

A PHYLOGENETIC ANALYSIS AND REVISION OF THE *TELEONEMIA* COSTA
GENERIC COMPLEX (HEMIPTERA: HETEROPTERA: TINGIDAE)

A Dissertation
Submitted to the Graduate Faculty
of the
North Dakota State University
of Agriculture and Applied Science

By

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In Partial Fulfillment of the Requirements
for the Degree of
DOCTOR OF PHILOSOPHY

Major Department:
Entomology

October 2022

Fargo, North Dakota

North Dakota State University
Graduate School

Title
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The Supervisory Committee certifies that this *disquisition* complies with North Dakota
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ABSTRACT

The *Teleonemia* Costa generic complex includes the genera *Alveotingis* Osborn & Drake, *Eurypharsa* Stål, *Hesperotingis* Parshley, *Melanorhopala* Stål, *Teleonemia*, and two undescribed genera. A phylogenetic analysis and revision of all included genera is presented. Representatives of most included species were examined and a phylogenetic analysis, based on morphology, was undertaken to determine the interrelatedness of the included taxa. The results show a polyphyletic *Teleonemia* and *Hesperotingis*, and a paraphyletic *Melanorhopala*. A new genus, *Paramelanorhopala* is erected to accommodate *Hesperotingis illinoiensis* Drake, and *H. occidentalis* Drake. Another new genus will be proposed to accommodate some taxa previously placed in *Melanorhopala* and *Teleonemia*. The subgenus *Amaurosterphus* Stål is resurrected from synonymy and its morphological concept is greatly expanded to include taxa originally attributed to *Americia* Stål. Two new subgenera, *Teleonemia (Tapinonemia)* and *Teleonemia (Trichodonemia)*, are erected to accommodate the internal phylogenetic structure of *Teleonemia*.

Teleonemia chilensis (Reed) is resurrected from synonymy from *Leptostyla carmelana* Berg. *Eurypharsa circumdata* (Blanchard, 1842) [new combination, reinstated status], which was placed as a synonym of *Tingis nobilis* Guérin-Méneville 1944, has priority. *Hesperotingis antennata borealis* Parshley, is resynonymized with *H. antennata* Parshley. *Hesperotingis duryi confusa* Drake is resynonymized and *Melanorhopala balli* Drake is now synonymized under *Hesperotingis duryi* (Osborn & Drake). *Hesperotingis mississippiensis* Drake is synonymized with *Hesperotingis floridana* Drake. *Teleonemia artiflava* Monte, *T. bierigi* Monte, *T. bondari* Monte, *T. crassispinosa* Monte, *T. jubata* Drake & Hambleton, and *T. ruthae* Monte are all synonymized under *Teleonemia forticornis* Champion. *Teleonemia granulosa* Monte is synonymized under *T. argentinensis* Drake & Poor. *Teleonemia huachucae* Drake is

synonymized under *Teleonemia nigrina* Champion. *Teleonemia novicia* Drake is synonymized under *Teleonemia vidua* Van Duzee. *Teleonemia sandersi* Drake & Hambleton is resynonymized under *Teleonemia inops* Drake & Hambleton. *Teleonemia schildi* Drake is synonymized under *Teleonemia rugosa* Champion. *Teleonemia scrupulosa haytiensis* Drake is resynonymized under *T. scrupulosa* Stål. *Teleonemia syssita* Drake & Cobben is synonymized under *Teleonemia sidae* (Fabricius). *Teleonemia teretis* Drake is synonymized under *Teleonemia multimaculata* Monte. Two new species of *Alveotingis*, one new species of *Hesperotingis*, one new species of *Melanorhopala*, and thirty nine new species of *Teleonemia* are described herein.

ACKNOWLEDGEMENTS

I must first acknowledge Drs. Alfred G. Wheeler, Jr., Thomas J. Henry, and David A. Rider for gifting me the taxonomic world of Heteroptera. Thank you, Al, for letting me tag along in the field between classes at The University of North Dakota (UND) to discover how details so small truly matter. Thank you, Tom, for always having time to help me with my projects and allowing me to help with a few of yours. And thank you for your continued generosity and present interest with my budding career. Thank you, Dave, for continuously pushing me to improve my writing, expand my knowledge of insects, and leave no literature source forgotten. Without the support and advice of these three great Heteropterists, I would have undoubtedly studied Lepidoptera.

I also would like to thank Drs. Marcus Guidoti, Jim Lewis, Sara Itzal Montemayor, and Laura Torres Miller for their support and encouragement of this revisionary attempt. Marcus, thank you for letting me tread the taxonomic waters with you and for the photos of specimens you have examined at the Museu Nacional do Rio de Janeiro. Jim, thank you for opening your heart and home to a budding taxonomist and for your continued support of Latin American Heteropterology. Thank you, Sara, for the photos of *Teleonemia* at the Museo de La Plata and for sharing your thoughts on this beautiful group of insects. Thank you, Laura, for your interest in my work, your sweet disposition, and for allowing me to work with your dear bugs, un abrazo.

I thank my co advisor, Dr. Janet J. Knodel, for broadening my experience, showing me the importance of meeting constituents' needs, and allowing me to study taxonomy. Thank you for teaching me that expanding knowledge is vital for everyone's needs. Lastly, thank you for pushing me into Extension and encouraging me to educate with passion and consideration.

Additionally, I am grateful that Dr. Rebecca B. Simmons advised me through much of my higher education. Thank you for serving as my McNair Advisor at UND, serving on my Masters and Ph.D. committees, and supporting my phylogenetic analyses. Most importantly, thank you for celebrating each of your students and providing them with the skills to succeed. I must also thank Dr. Julia Bowsher for serving as a member of my graduate committee and for her support and encouragement of my studies.

Furthermore, I thank Dr. Gerald M. Fauske for acting as a quasi-advisor through my graduate education. Thank you for your sage advice, astonishing wit, always lending an ear or hand, and teaching me that there is still much to learn. I treasure our rich friendship and hope to be nearly as helpful to other scientists one day.

A project this massive has called upon hundreds of entomologists worldwide, and I wish to acknowledge everyone who has contributed in even the slightest way. I am indebted to dozens of collections managers and museum curators who answered my queries, searched through cabinets, and sent material for examination even during the Covid-19 pandemic (see table 2.1 for an exhaustive list). All collections examined were of extreme importance to this project. However, this revisionary attempt would have been impossible without the help of Ed Riley, John Oswald and Karen Wright: TAMU; Shawn Clark: BYUC; Max Barclay and Mick Webb: NHMUK; and Tom Henry: USNM.

Many collection managers and researchers also provided me with photographs of type specimens housed in their respective collections. I am exceedingly grateful for receiving photographs of type specimens from Rachel Diaz-Bastin and Christopher Grinter: CASC; Christopher Wirth: PERC; Bo Delling and Gunvi Lindberg: Swedish Museum of Natural History, Stockholm; Thomas Henry: USNM; Gabriel Mejdalani: Universidade Federal do Rio de

Janeiro, Brazil; Amoret Spooner and Robert Douglas: Oxford University, Oxford, England; Vanessa Verdecia: CMNH; Mick Webb: NHMUK; and Katharina Zenz and Herbert Zettel: NHMW. Lars Vilhelmsen and Sree Gayathree Selvantharan University of Copenhagen, Natural History Museum.

I am also grateful for Veronica Calles Torrez with her assistance recording specimen label data, accompanying me in the field, and cracking the whip. I thank Ashley Smith for placing determination labels on hundreds of specimens of Tingidae I examined for this project.

I cannot fail to mention how fortunate I was to receive funding and support from John Rawlins: CMNH; John Oswald TAMU; the International Heteropterists' Society; North Dakota State University College of Graduate and Interdisciplinary Studies and the NDSU Department of Entomology for this project.

DEDICATION

This dissertation is dedicated to my family: for my mother, for supporting my curious inquisitive nature and for always providing answers to my endless questions, no matter how arduous or mundane. For my father, for spending countless hours in the parks and wilds of Minnesota and for his continued interest in my studies. For my brother, for our improvised last-minute trips, tagging along with me in the field, letting me tag along with you, and for always having my back. For my wife and her family, for accepting me as one of their own. For my son, Noel, may you be awestruck by the wonderful world we share with insects. Seek what's curious, interesting, and look where others dare to. Let no one hinder your curiosity and never give up on your passions.

DISCLAIMER

This manuscript in its entirety should not be recognized as a valid publication. Invoking chapter three, article 8.2 of the International Code of Zoological Nomenclature: any generic, subgeneric, or species names proposed herein are only manuscript names and should not be regarded as published until they appear elsewhere in a refereed taxonomic journal or monograph. Additionally, invoking chapter three, article 8.3 of the International Code of Zoological Nomenclature: any nomenclatural acts proposed herein are not to be regarded as valid until they appear elsewhere in a refereed taxonomic journal or monograph.

PREFACE

This dissertation project was first posited to me by Dr. Alfred “Al” G. Wheeler Jr. when I was an undergraduate student at UND and would not have come to be without his suggestions. In September 2013, after much of my fieldwork was over, Dr. Kathryn Yurkonis found me in the hallway and asked if I would be able to guide an entomologist out to Oakville Prairie later that day. I was delighted to share Oakville with an entomologist and agreed. Shortly after, I met Dr. Al Wheeler and was able to show him the prairie where I was conducting my research that summer. With my help, we found over a dozen individuals of an elusive stink bug species whose life history was poorly known. After fieldwork, Al suggested we have coffee and discuss my prospective interest for graduate school. I was still amazed by how the scientific community knows so little about the creatures found under our feet. Al was keen to press my interests and determined that I was fond of Tingidae. He suggested I stick with the group because few people were working with these insects then. I did not know what I would work with, but Al suggested the genus *Teleonemia* Costa needed revision even in North America, north of Mexico. I kept this idea in the back of my mind until 2018 when I began my Doctoral Degree at NDSU.

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**CHAPTER ONE: A PHYLOGENETIC ANALYSIS OF THE *TELEONEMIA* COSTA
GENERIC COMPLEX (HEMIPTERA: HETEROPTERA: TINGIDAE) WITH
DESCRIPTIONS OF GENERA, SUBGENERA, AND THEIR PLACEMENT WITHIN
THE TINGINAE**

Abstract

The *Teleonemia* Costa generic complex is distributed throughout the Western Hemisphere and several species have been introduced to Eastern Hemisphere countries. The *Teleonemia* generic complex is defined. Separation of the included genera, *Alveotingis* Osborn & Drake, *Eurypharsa* Stål, *Hesperotingis* Parshley, *Melanorhopala* Stål, and *Teleonemia* have historically relied on antennal morphology and the width of the costal areas of the hemelytra; however, the generic boundaries of most included genera have been modified through subsequent description of taxa during the past century. A phylogenetic analysis was undertaken to better define the generic boundaries within the complex. A 99-character (93 parsimony informative) multistate character matrix was created in Mesquite and analyzed in PAUP* 4.0 using non-additive parsimony. Out of 12,628,656 trees, 6,192 most parsimonious trees were retained. I present strict and 50% majority rule consensus trees. The results indicate that several genera of the *Teleonemia* generic complex, *Teleonemia*, *Hesperotingis*, and *Melanorhopala*, are not monophyletic and are herein redefined.

Introduction

The genus *Teleonemia* Costa was described by Costa (1864) for his new species *Teleonemia funerea* Costa, which differed from *Tingis* (*Tropidocheila* Fieber) by the longer antennae which have distinct, elongate clubs and by the more elongate appearance of the

hemelytra (Costa 1864). *Teleonemia* remained monotypic until Stål (1873) described four new species and transferred six previously described species to this genus bringing the total to 11. Stål (1873) also provided the first key to the species of *Teleonemia*, although it did not include a diagnosis for *T. funerea*. Twenty-five years later, Champion (1898a, 1898b) described a few new species and transferred several other species to this genus, bringing the total to 29 species. Many of Champion's species were described in the Biologia Centrali-Americana series, which included keys and illustrations of most Central American tingids at that time (1898b). Shortly thereafter, Kirkaldy (1905) described *Americia annae* Kirkaldy, but *Tingis* (*Americia*) Stål (1873) was previously synonymized with *Teleonemia* by Champion (1898b). Several other taxonomists have subsequently added species to *Teleonemia*: Distant 1907, 1909a, 1909b; Van Duzee 1918; Drake 1918, 1920, 1922, 1928, 1929, 1931a, 1931b, 1932, 1935, 1936, 1939a, 1939b, 1941, 1942a, 1942b, 1947, 1948, 1953; Horváth 1925; Schouteden 1925; Drake & Hambleton 1934, 1939, 1940, 1942, 1944, 1946; Monte 1940, 1941, 1942, 1943a, 1943b, 1943c, 1944, 1946 1947; Drake & Poor 1942; Drake & Carvalho 1944; Drake & Cobben 1960; Drake & Maldonado 1965; Froeschner 1970. Hurd (1946) asserted that the generic limits of *Teleonemia* had been distended even then, but taxonomists continued to describe additional species of *Teleonemia* (Fig 1.1). The vast majority of *Teleonemia* species were described by Drake and his collaborators (38 species). Stål described 13 species, Champion described 14 species, and Monte added an additional 13 species. Distant described five species; *Teleonemia lantanae* Distant (now synonymized under *Teleonemia scrupulosa* Stål), *T. assamensis* Distant, (now placed in *Ulonemia* Drake & Poor), *T.? elegantula* Distant (now placed in *Hegesidemus* Distant), *T. bimaculata* Distant and *T. borneensis* Distant, (both of which were subsequently transferred to *Perissonemia* Drake & Poor) (Distant 1907, 1909a, 1909b). Schouteden (1923) described *Teleonemia nigerrima*

Schouteden, now placed in *Gitava* Drake. Other workers only described one or, in the case of Van Duzee, three taxa. Froeschner (1970) was the last heteropterist to describe a new species of *Teleonemia*. In an unpublished thesis, however, Knudson (2018) described four new species from southern Central America, provided a key to the species of that region, and suggested *Teleonemia bierigi* Monte was a synonym of *Teleonemia forticornis* Champion. No current identification resources exist for North or South American species. Drake (1918) provided a key to the species of *Teleonemia* of North America north of Mexico at that time, but it was published the same year that Van Duzee (1918) described two new species from North America (neither of which were included in his key): *Teleonemia monile* Van Duzee or *Teleonemia vidua* Van Duzee. Additionally, *Teleonemia novicia* Drake (1920) and *Teleonemia huachucae* Drake (1941) were both later described from North America.

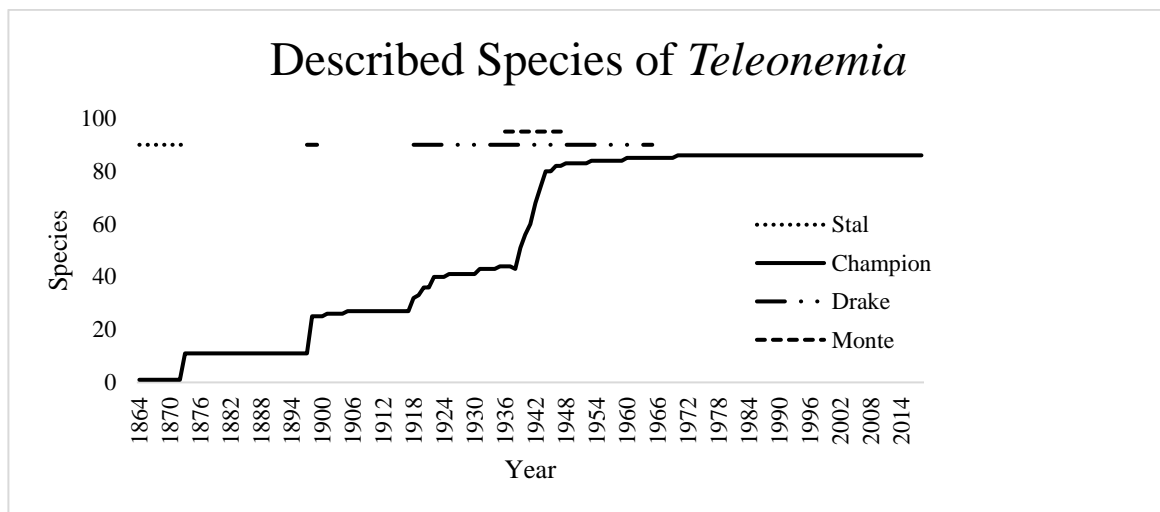


Figure 1.1. Described Species of *Teleonemia* through time. Total number per year was tabulated based on the Lace bug catalog of the world (Drake & Ruhoff 1965) and from pertinent literature.

Three additional western hemisphere genera of Tingidae have been suggested related to *Teleonemia* and share several morphological characters. Hurd (1946) speculated that *Alveotingis* Osborn & Drake, *Hesperotingis* Parshley, and *Melanorhopala* Stål are closely related to

Teleonemia and can only be separated from *Teleonemia* by the differing antennal morphologies. Previous entomologists (Stål 1873, Summers 1891) used uniseriate costal areas of the hemelytra to separate *Teleonemia* from other genera, but now several species of *Teleonemia* have more than one, and in some species even more than three complete rows of areolae in their costal areas and the three aforementioned genera also have species with uniseriate costal areas of their hemelytra. The anterior margin of the pronotum, whether medially convex or truncate, was used by Hurd (1946), but this character varies from truncate to a swollen hood in species of *Teleonemia*. Also, the constricted [sinuate] and rounded apex of the hemelytra (Hurd 1946) can sometimes be used to separate *Teleonemia* from related genera, but several species of *Teleonemia* exhibit hemelytra that are broadly expanded without a sinuate costal area. It is apparent that the generic limits of all of these genera need clarification.

Two genera found in the Eastern Hemisphere have also been suggested to be related to *Teleonemia*. The genus *Perissonemia* Drake & Poor was first published and diagnosed in 1936 (Drake & Poor 1936) and subsequently redescribed (Drake & Poor 1937). The genus *Ulonemia* was first described (Drake & Poor 1937) as a subgenus of *Perissonemia* and subsequently elevated to generic status by Drake (1942c). Drake & Poor (1936, 1937) indicated that *Perissonemia* was closely related to *Teleonemia*, but could be separated by a strongly raised and prominent pronotal collar, deeply depressed calli, differently shaped paranota, the narrower antennae, and by the longer distiflagellomeres. It should be noted that several species of *Teleonemia* have narrow antennae and elongate distiflagellomeres that superficially look like those found in several species of *Perissonemia* and are not reliable diagnostic characters. The genus *Ulonemia* is most closely related to *Perissonemia* and differs by the more swollen pronotal collar, wider vertically reflexed paranota, and by the more elevated pronotal carinae (Drake &

Poor 1937). In an unpublished dissertation, Schofner (2018) revised the Australian species included in *Ulonemia* and documented that *Ulonemia* is polyphyletic.

Few exhaustive revisionary studies of Tingidae have been completed prior to 2000 Common Era. Previous authors (e.g. Drake and Monte) focused primarily on the description of new species and genera. Very little revisionary progress was made until after the completion of the Lace bug Genera of the World and the Lace bugs of the World by Drake & Ruhoff (1960, 1965). Just over a dozen studies have been published in which phylogenetic analyses took place. Smith (1996) revised the genus *Gargaphia* Stål, and included a phylogenetic analysis, but Smith's revisionary work did not include all species then included in the genus. Using parsimony analysis, Smith (1996) concluded that *Leptopharsa* Stål and *Gargaphia* were sister groups and that *Gargaphia* was further subdivided into four clades. The next phylogenetic study, using parsimony analysis, was conducted by Lis (1999) which focused on the tribe Cantacaderini Stål (*sensu* Froeschner 1996). They concluded that the Cantacaderini deserved family status, and thus proposed the Cantacaderidae. No other entomologists has accepted this proposal. Shortly thereafter, Guilbert's (2000) revision and phylogenetic analysis of the genus *Parada* Horváth, was the first detailed phylogenetic investigation focused on one genus. Qi & Zhang (2000) conducted a small phylogenetic analysis which included genera of Tingidae found in northern China. Guilbert (2001) conducted a parsimony analysis of exaggerated traits in immature Tingidae. Schuh et al. (2006) described a new species of Vianadinae and conducted a phylogenetic analysis of the Tingidae to provide clarity to the previous work conducted by Lis (1999). The genus *Inoma* Hacker has also been studied phylogenetically, using morphological characters, using a parsimony analysis (Cassis & Symonds 2008). Montemayor & Costa (2009) conducted a phylogenetic analysis of the genera *Macrotingis* Champion and *Ceratotingis*

Montemayor based on implicit enumeration of gross morphology. Muriene *et al.* (2009) tested if the New Caledonian genera *Cephalidiosus* Guilbert and *Nobarnus* Distant were both monophyletic with parsimony analysis, using multiple tree bisection–reconnection. Guilbert (2012) revisited the phylogenetics of the Cantacaderinae using similar parameters as Schuh *et al.* (2006). Guilbert *et al.* (2014) used parsimony analysis to conduct the first phylogenetic study of the family which included both morphological and molecular data. This study was the first attempt at determining interrelationships of tribes and genera within the Tinginae. Cassis *et al.* (2017, 2019) investigated *Nethersia* Horváth and *Epimixia* Kirkaldy. Lastly, Guidoti *et al.* (2020) conducted a phylogenetic analysis of the Vanaidinae. In 2014, I attempted a small maximum likelihood analysis of several species of Tingidae using Cox I sequences, but my taxon selection was sparse and the analysis resulted in several polytomies (Knudson unpublished data).

Materials and Methods

Specimens were examined using a Wild M5 stereo microscope or a Leica microscope illuminated with fiber lights. For a detailed list of collections and material examined, consult tables 2.1 and A.1. Measurements were taken using Microcode Digital Dials (IKL Inc., Newport Beach, California) connected to Precision Digital Positioners (Model 3486-1. Boeckler Instruments, Tucson, AZ). Multiple photographs were acquired using a Cannon EOS 7D (Tokyo, Japan), with an automatic extension tube set and a macro photo lens attached to a Stack Shot Macro Rail (Cognisys Inc., Traverse City, MI). Photographs were then montaged and edited in Adobe Photoshop CS 6 (San Jose, CA).

A phylogenetic analysis of the *Teleonemia* generic complex was conducted using a 98-character multistate character matrix (Table 1.3 & 1.4) created in Mesquite 3.7. (Madison & Madison 2021). Select characters were developed based on previous studies (Lis 1999, Schuh et al. 2006, Cassis et al. 2019). However, many characters and character states used by previous studies were developed to determine phylogenetic relationships of the taxa involved in those studies and therefore are not optimized for the *Teleonemia* generic complex. Many additional characters were developed based on examined specimens and most taxa included in the analysis were physically examined, except 23 species that were examined from photographs of type specimens and are marked with an asterisk (“*”) in table 1.4. This included species described by Oscar Monte that were lost in the fire that destroyed the Museu Nacional, Universidade do Rio de Janeiro, Rio de Janeiro, Brazil. Species in which polymorphisms are documented such as *Teleonemia prolixa* (Stål) (Champion 1898a, Froeschner 1970) were scored based on photographs of the type specimens and comparison of material that agreed with type specimens. One hundred fifty taxa were included in the dataset which represented most described species of the generic complex.

Lygus lineolaris (Palisot de Beauvois) (Miridae) and *Thaumastocoris peregrinus* Carpintero & Dellapé (Thaumastocoridae) were selected as family outgroup taxa. Tingidae outgroup taxa were selected from representative species of subfamilies and tribes of the family including *Annomatocoris seratus* Guidoti et al. (Tingidae: Vianadinae), *Cantacader quadricornis* (Le Peletier & Serville) (Tingidae: Cantacaderinae: Cantacaderini), *Phatnoma marmorata* Champion (Tingidae: Tinginae: Phatnomatini), and eleven species in ten genera (Tingidae: Tinginae: Tingini).listed in table 1.2.

The data matrix was analyzed in PAUP* 4.0 (Swofford 2002) via the CIPRESS web portal (Miller *et al.* 2010) using non-additive parsimony analysis (Fitch 1981). Characters were treated as unordered and without weights. I performed a heuristic search with 500 random replications, with one starting tree per replication and tree-bisection-reconnection. Additionally, we performed 10 independent heuristic searches each with 100 random replications, with one starting tree per replication and tree-bisection-reconnection (Figures A.1.1-A.8.2.). Iterations three and ten failed. Ancestral state reconstruction was conducted and visualized with Mesquite 3.7 (Madison & Madison 2021). I also conducted a maximum likelihood analysis using IQ-TREE 2.1.2 (Minh *et al.* 2020) via the CIPRESS web portal (A.9.1.).

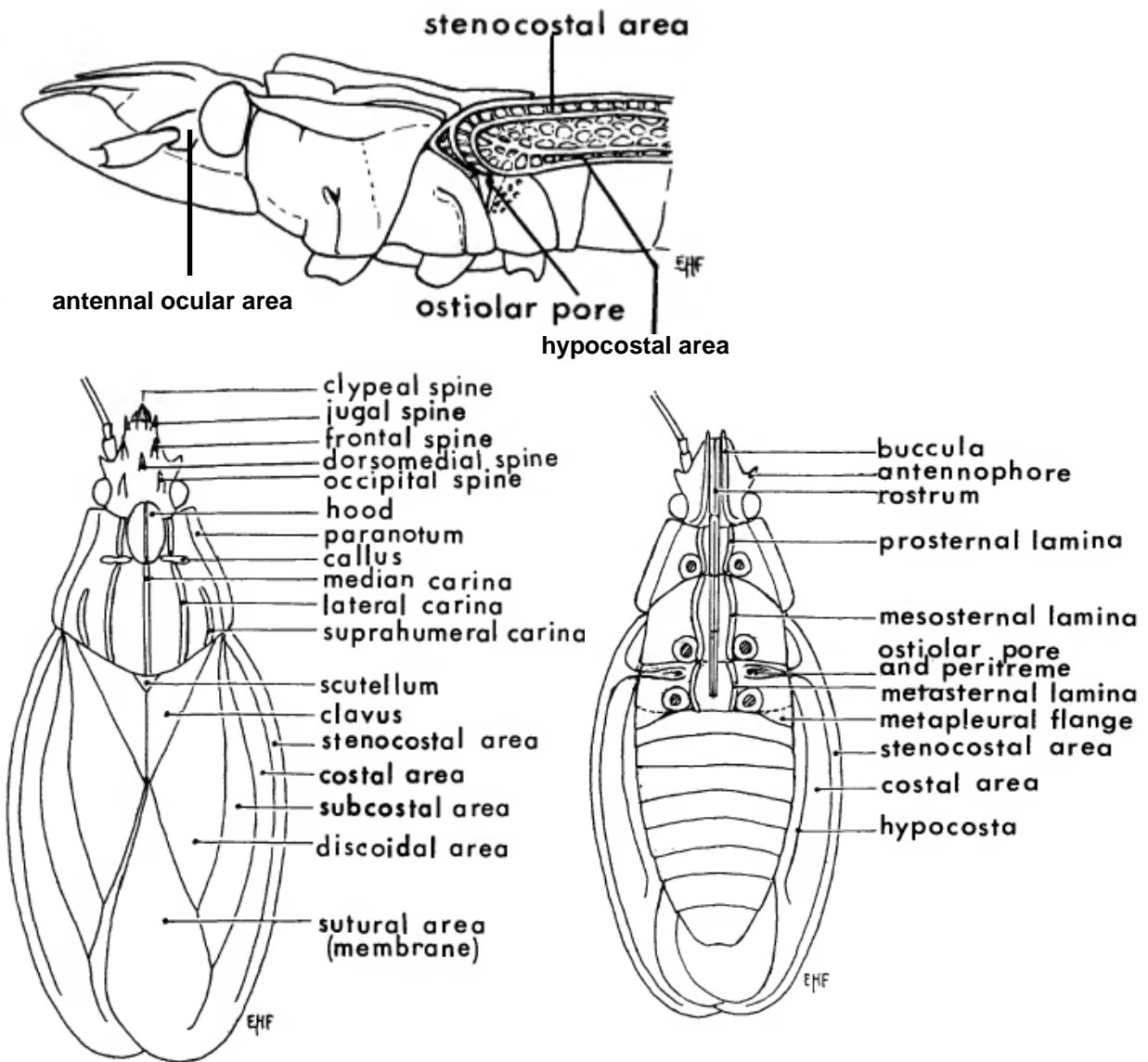


Figure 1.2. General Tingidae anatomy adapted from Froeschner (1996). The antennal ocular area is the combined area of the lateral margin of antennophore and its base to the anterior margin of the compound eye.

Table 1.1. Character states for *Teleonemia* Costa generic complex. Character numbers with “U” signify phylogenetically uninformative characters.

Character	Characteristics
1	<i>Dorsal coloration</i> : (0) tan; (1) mottled light-brown; (2) dark red-brown; (3) blackish; (4) ashen.
2	<i>Antennal sexual dimorphism (shape)</i> : (0) no; (1) yes.
3	<i>Scape vestiture</i> : (0) setae similar to pedicel; (1) setae smaller and less setose than pedicel; (2) thicker setae than pedicel.
4	<i>Base of basiflagellomere</i> : (0) cylindrical; (1) thicker than rest of basiflagellomere (may only be present in one sex).
5	<i>Apex of basiflagellomere</i> : (0) slightly clavate for distiflagellomere attachment; (1) strongly clavate apically (may only be present in one sex).
6	<i>Entire basiflagellomere</i> : (0) nearly uniformly cylindrical; (1) gradually thicker throughout length.
7	<i>Distiflagellomere shape</i> : (0) short, clavate; (1) elongate (distinctly longer than scape and pedicel combined), spindle shaped; (2) elongate blunt club; (3) obclavate.
8 U	<i>Distiflagellomere base</i> : (0) straight; (1) ante-apically enlarged.
9	<i>Distiflagellomere color</i> : (0) similarly colored as basiflagellomere; (1) darker infusate.
10	<i>Dorsum of head</i> : (0) smooth; (1) punctate.
11	<i>Occipital spines orientation</i> : (0) parallel; (1) incurved; (2) diverging.
12	<i>Occipital spines size</i> : (0) short, not as long as scape; (1) subequal to scape; (2) distinctly longer.
13	<i>Medial spine</i> : (0) erect; (1) porrect; (2) adpressed to head.
14	<i>Paired frontal spines</i> : (0) parallel; (1) incurved; (2) incurved at base, thenceforth touching and parallel with medial spine; (3) strongly incurved and hook shaped.
15 U	<i>Clypeal spine</i> : (0) not present; (1) short; (2) elongate, longer than width of an eye. Modified from (Lis 1999).
16 U	<i>Jugal spines</i> : (0) not present; (1) short; (2) elongate, longer than width of an eye.
17	<i>Antenniferous tubercles</i> : (0) truncate, rounded, short; (1) tuberculate; (2) spiniform.
18	<i>Antennal ocular space (including length of antenniferous tubercle)</i> : (0) narrower than width of eye; (1) subequal to width of eye; (2) distinctly wider than eye.
19	<i>Bucculae apex</i> : (0) open; (1) closed; (2) only partially closed at apex.
20	<i>Bucculae shape</i> : (0) produced anteriorly beyond head; (1) in line with apex of clypeus; (2) truncate, not in line with clypeus. Modified from Lis (1999).
21	<i>Rostrum length</i> : (0) extending to procoxae; (1) extending to middle of mesosternum; (2) extending to mesocoxae; (3) extending to metacoxae; (4) extending onto abdomen. Modified from Cassis et al. (2019).
22	<i>Fourth rostral segment</i> : (0) Unicolorous with preceding; (1) apical fourth or less, infusate; (2) one-third to one half infusate; (3) completely infusate, distinctly darker than preceding.
23	<i>Pronotal hood</i> : (0) low, collar like; (1) low, roof-like; (2) small, globose; (3) globose, more elevated than pronotal disc; (4) not globose, more elevated than pronotal disc.
24	<i>Cali</i> : (0) glabrous; (1) wax covered only; (2) surrounded by setae only; (3) wax covered and surrounded by setae.
25	<i>Prothorax vestiture</i> : (0) glabrous; (1) sparsely setose throughout; (2) heavily setose throughout; (3) setae restricted to triangular posterior projection (tpp); (4) more setose on propleuron; (5) more setose on pronotal disc; (6) setae on tpp and more setose on pronotal disc.
26	<i>Supera-humeral carinae</i> : (0) present; (1) absent. Modified from Lis (1999).

Table 1.1. continued. Character states for *Teleonemia* Costa generic complex (continued).

Character	Characteristics
27	<i>Lateral pronotal carinae height</i> : (0) carinate, not appearing punctate on lateral margins; (1) low, appearing punctate on lateral margins; (2) carinae higher, areolae distinct throughout, separate from pronotal disc; (3) carinae elevated, more than two times as tall as thickness of occipital spines.
28	<i>Median carina</i> : (0) Carinate, distinctly lower than lateral pronotal carinae; (1) carinate, areolate only along apical margin, or on tpp, lateral carinae subequal in height; (2) areolate, uniseriate, subequal in height to lateral carinae; (3) distinctly more elevated than lateral carinae.
29	<i>Lateral pronotal carinae on tpp</i> : (0) subparallel with median carina; (1) divergent; (2) sinusoidal; (3) convergent on.
30	<i>Carinae vestiture</i> : (0) glabrous; (1) setose; (2) sparsely setose; (3) minutely pubescent.
31	<i>Lateral carinae coloration</i> : (0) unicolorous with median carina; (1) infuscate on posterior third; (2) completely infuscate, contrasting with median carina; (3) infuscate on pronotal disc.
32	<i>Paranota</i> : (0) explanate; (1) reflexed, adpressed to lateral margin of pronotum; (2) reflexed, adpressed to lateral margin near middle; (3) reflexed, not adpressed to lateral margin of pronotum; (4) formed as in preceding state, but more than two complete rows of areolae; (5) character state three, but carinate posterior of calli; (6) completely carinate; (7) reflexed onto itself, but not pronotal disc, e.g. <i>Leptodictya</i> spp.; (8) reflexed onto pronotal disc, e.g. <i>Dictyla</i> spp.
33	<i>Paranota basal fold</i> : (0) present; (1) absent.
34	<i>Paranota vestiture</i> : (0) nearly glabrous; (1) dorsal veins with setae; (2) venter setose; (3) dorsal surface with elongate, slender setae.
35	<i>Posterior projection of pronotum</i> : (0) not covering scutellum or clavi; (1) expanded posteriorly, not completely covering scutellum; (2) covering scutellum posteriorly, but not clavi; (3) completely covering scutellum and both clavi.
36	<i>Posterolateral margin of propleuron</i> : (0) similarly punctate with pronotal disc; (1) distinctly larger, areolate posteriorly.
37	<i>Hemelytra (most common condition)</i> : (0) brachypterous; (1) macropterous, brachyptery occurs but rare; (2) submacropterous; (3) macropterous; (4) coleopteroid.
38	<i>Hemelytra shape</i> : (0) costal area straight, rounded near apex; (1) narrow, but outer margin sinusoidal; (2) costal area greatly expanded near base, but rounded; (3) costal area greatly expanded after base and sinusoidal; (4) coleopteroid.
39 U	<i>Stenocostal area</i> : (0) present; (1) absent. (Lis 1999)
40	<i>Areolae of hypocostal area</i> : (0) subequal to those of costal area; (1) nearly all distinctly smaller (or shorter); (2) distinctly larger; (3) larger on basal half; (4) larger on basal third; (5) ridge-like, without areolae.
41	<i>Hypocostal area vestiture</i> : (0) glabrous; (1) sparsely setose; (2) heavily setose; (3) setose near base; (4) covered in minute pubescence.
42	<i>Hypocostal area formation</i> : (0) uniseriate throughout; (1) biseriate near middle; (2) formed without areolae, may be punctate.
43	<i>Costal area position</i> : (0) moderately reflexed throughout; (1) explanate; (2) extremely reflexed, nearly adpressed to subcostal area on basal third; (3) extremely reflexed on basal third, thenceforth explanate.
44	<i>Costal area size</i> : (0) uniseriate; (1) biseriate beyond middle; (2) with three to five rows of areolae at widest; (3) more than five rows of areolae at widest; (4) carinate, without areolae; (5) completely biseriate.
45	<i>Dorsal costal area vestiture</i> : (0) glabrous; (1) few setae along costa; (2) setose on basal third; (3) sparsely setose throughout; (4) moderately setose throughout.
46	<i>Costal area areolae color</i> : (0) transparent or translucent; (1) infuscate at most on apical third; (2) infuscate on apical and basal third; (3) completely infuscate; (4) infuscate along costal margin; (5) variegate.

Table 1.1. continued. Character states for *Teleonemia* Costa generic complex (continued).

Character	Characteristics
47	<i>Costal area areolae size</i> : (0) similarly sized; (1) irregular in size throughout; (2) distinctly larger near base and on apical half; (3) gradually increasing in size towards apical third; (4) abruptly larger on apical half.
48	<i>Costal area veins coloration</i> : (0) unicolorous; (1) alternating light and dark veins; (2) one or several infuscate veins near apex of discoidal area; (3) infuscate on basal third and apical fourth; (4) apical fourth to third of veins darker infuscate; (5) basal third infuscate.
49	<i>Subcostal area along discoidal area</i> : (0) uniseriate; (1) biseriate; (2) more than two complete rows of areolae; (3) punctate, without areolae.
50	<i>Subcostal area vestiture</i> : (0) glabrous; (1) setose on subcostal vein; (2) subcostal area setose on basal third; (3) subcostal area sparsely setose throughout; (4) subcostal area moderately setose throughout; (5) subcostal area setose on basal third and near apex of discoidal cell; (6) subcostal area minute pubescence.
51	<i>Discoidal area</i> : (0) cubitus vein absent or appearing absent; (1) cubitus vein distinct; (2) cubitus vein distinct, discoidal area with one raised cross vein; (3) cubitus vein distinct, discoidal area with multiple cross veins; (4) cubitus vein distinct, but shape of cubitus vein strongly influenced by adjacent areolae; (5) cubitus vein distinct, but R+M vein weakly developed and not distinct throughout.
52	<i>Discoidal area areolae vestiture</i> : (0) glabrous; (1) minute pubescence present along veins inside areolae; (2) elongate setae; (3) elongate, thickened setae; (4) sparsely setose.
53	<i>Discoidal area veins vestiture</i> : (0) glabrous; (1) setae present along R+M and cubitus veins; (2) erect simple setae; (3) simple, downcurved setae; (4) few thickened setae; (5) many thickened setae; (6) minute pubescence.
54	<i>Cubitus vein</i> : (0) in similar plane as R+M vein; (1) not in similar plane, e.g. <i>Alveotingis</i> ; (2) distinctly elevated above R+M vein; (3) clearly below R+M vein.
55	<i>Areolae adjacent to postcubitus</i> : (0) subequal in length and width; (1) irregular in size; (2) regular in size, longer than wide; (3) regular in size, wider than long.
56	<i>Ostiolar peritrema</i> : (0) Y or T shaped; (1) simple opening with surrounding flange, but no transverse connection. Modified from Lis (1999) and Schuh <i>et al.</i> (2006).
57	<i>Metasternal laminae apex</i> : (0) open; (1) with transverse carina.
58	<i>Sternal laminae vestiture</i> : (0) glabrous; (1) setose; (2) setose with wax in areolae; (3) minutely pubescent; (4) setae only inside areolae.
59	<i>Sternal laminae coloration</i> : (0) unicolorous with sternum; (1) lighter than sternum; (2) ventral margin darker than sternum.
60	<i>Metasternal laminae width</i> : (0) similar width as mesosternal laminae; (1) wider, but straight or diverging; (2) similar width, but near middlesinusoidal; (3) wider, but crescentic; (4) wider apart, but near middlesinusoidal.
61	<i>Metasternal laminae, posterior margin</i> : (0) straight; (1) strongly incurved.
62	<i>Metasternum</i> : (0) concave; (1) flat; (2) convex.
63	<i>Metasternal vestiture</i> : (0) slender setae; (1) thickened setae; (2) minute pubescence; (3) one and two; (4) glabrous.
64	<i>Coxae vestiture</i> : (0) glabrous; (1) distal margin setose; (2) covered with setae; (3) with wax or spatulate setae; (4) sparsely setose with long slender setae; (5) minutely pubescent.
65	<i>Femora</i> : (0) smooth; (1) wax covered; (2) granulose; (3) punctate.
66	<i>Tibiae color</i> : (0) unicolorous, light-brown; (1) unicolorous, dark-brown to black; (2) apically or basally infuscate; (3) dark-brown with light annulations; (4) apically and basally infuscate; (5) lighter infuscate apically.
67	<i>Distal tarsal segment</i> : (0) unicolorous with tibiae; (1) apically infuscate; (2) completely infuscate; (3) lighter than tibiae.
68	<i>Abdominal sutures between two & three and three & four</i> : (0) glabrous; (1) setose, but not different than other abdominal setae; (2) with scale like setae not present on other sutures; (3) scale like setae, but also present on other sutures.

Table 1.1. continued. Character states for *Teleonemia* Costa generic complex (continued).

Character	Characteristics
69	<i>Abdominal segment eight in male</i> : (0) each posterolateral angle not expanded; (1) each posterolateral angle expanded laterally into triangular projection; (2) each posterolateral angle expanded laterally into a trapezoidal projection; (3) each posterolateral angle expanded posteriorly.
70	<i>Width of pygophore at widest</i> : (0) slightly wider or subequal to maximum width of preceding abdominal segment; (1) slightly narrower than preceding; (2) one-third narrower than preceding.
71	<i>Ninth paratergite</i> : (0) medial groove along length; (1) basally flat; (2) with raised tubercle or digitiform process; (3) without a raised tubercle, but basal raised bump present; (4) apically with a depression and a triangular extension.
72	<i>Ninth paratergite vestiture</i> : (0) glabrous; (1) uniformly setose with fine setae, similar to other abdominal segments; (2) heavily setose, contrasting with most abdominal segments; (3) setose near apex, may be similar to other abdominal segments; (4) with long thickened setae, similar to abdominal segments; (5) wax covered; (6) longer setae near apex.
73	<i>Setae general</i> : (0) simple elongate slender setae; may be erect, or adpressed to surface; (1) thickened curved setae; (2) thickened flattened setae; (3) one and two; (4) zero and two; (5) zero, one, and two,; (6) minute pubescence.
74	<i>Abdominal segmental tagma</i> : (0) sternite and tergite without additional sclerite; (1) additional intersegmental sclerite between sternite and tergite. (Lis 1999)
75	<i>Ocelli</i> : (0) present; (1) absent. (Schuh <i>et al.</i> 2006)
76 U	<i>Juga</i> : (0) not developed; (1) pronounced.
77	<i>Distiflagellomere apex</i> : (0) rounded; (1) acuminate, ending in a sharp spine.
78	<i>Base of paranota opposite calli</i> : (0) carinate; (1) with one row of cells; (2) with row of minute areolae, bordered by one row of areolae; (3) with row of minute areolae, bordered by multiple rows of areolae; (4) with one to two large areolae bordered by a row of areolae.
79	<i>Discoidal area, length</i> : (0) midpoint before apex of tpp; (1) midpoint at apex of tpp; (2) midpoint beyond apex of tpp.
80	<i>Punctures at apex of pronotum</i> : (0) uniformly round; (1) areolate, nearly two times as long as wide; (2) large areolae, more than two times longer than wide.
81	<i>Ostiolar peritreme</i> : (0) dorsal margin terminating far from hypocostal area; (1) nearly reaching hypocostal area; (2) distinctly reaching hypocostal area or stennocostal area.
82	<i>Base of medial spine</i> : (0) glabrous; (1) with minute setae; (2) with thickened setae.
83	<i>Scape, length</i> : (0) shorter than eye width; (1) subequal to two times eye width; (2) more than two times longer than eye width; (3) five or more times longer than eye width.
84	<i>Basiflagellomere, length</i> : (0) two to four times as long as eye width; (1) five to ten times as long as eye width; (2) eleven to twenty times as long as eye width; (3) more than twenty times as long as eye width.
85	<i>Distiflagellomere, length</i> : (0) short, subequal to eye width; (1) more than two times longer than eye width; (2) five or more times as long as eye width.
86	<i>Occipital spines, orientation</i> : (0) erect; (1) adpressed to head; (2) porrect.
87	<i>Pronotum, length vs width ratio</i> : (0) $l/w < 1$; (1) $l/w \sim 1$; (2) $l/w 1.2-1.3$; (3) $l/w 1.4-1.74$; $l/w 1.75-2.0$.
88	<i>Pronotal carinae, width</i> : (0) narrower than occipital spines; (1) subequal in width to occipital spines; (2) wider than width of occipital spines.
89	<i>Pronotum, middle apex in dorsal view</i> : (0) apex terminating before posterior margins of eyes; (1) apex at posterior margins of eyes; (2) apex produced beyond posterior margins of eyes, but not surpassing anterior margins of eyes; (3) apex surpassing anterior margins of eyes.
90	<i>Cells in costal area, length</i> : (0) wider than long; (1) length and width subequal; (2) two times longer than wide.
91	<i>Posterior margins of eyes in dorsal view</i> : (0) about perpendicular to midline; (1); at 30-degree angle from midline; (2) > 30 -degree angle from midline.

Table 1.1. continued. Character states for *Teleonemia* Costa generic complex (continued).

Character	Characteristics
92	<i>Bucculae, height:</i> (0) less than eye width; (1) subequal to eye width; (2) about two times eye width.
93	<i>Mesosternal laminae, posterior margin:</i> (0) Mostly straight or slightly incurved; (1) extremely incurved, nearly touching and closing rostral canal.
94	<i>Pronotal hood, color:</i> (0) unicolorous with paranota; (1) lighter in color, contrasting with darker pronotum; (2) darker than pronotum.
95	<i>Medial cephalic spine, length:</i> (0) not produced; (1) tuberculate, extremely short; (2) moderately elongate, nearly reaching base of frontal spines; (3) longer, distinctly surpassing base of frontal spines; (4) surpassing middle of scape.
96	<i>8th paratergite, posterolateral angle:</i> (0) short, not reaching apex of abdomen; (1) extremely large, extended to near apex of abdomen.
97	<i>Width between mesosternal laminae:</i> (1) slightly wider than prothoracic laminae; (2) one half the width of prothoracic laminae gap wider; (3) nearly twice as wide as prothoracic laminae; (4) narrower than prothoracic laminae.
98	<i>Pronotal disc, density of punctures between pronotal carinae at apex:</i> (0) three or fewer punctures wide; (1) four punctures wide; (2) more than four punctures wide.

Table 1.2. Character matrix for *Teleonemia* generic complex, characters 1-49. Species marked with asterisks (*) were scored from photographs of type specimens and/or the original species descriptions. Missing data is signified by question marks (?) and gaps are signified by em dashes (-).

Species	123456789	1111111111	2222222222	3333333333	4444444444
		0123456789	0123456789	0123456789	0123456789
<i>Lygus lineolaris</i> (Palisot de Beauvois 1818)	101000200	0—00—00	243001—	—00101	—1433—3
<i>Thaumastocoris peregrinus</i> Carpintero & Dellapé 2006	000000001	1—00—00	201021—	—00111	—1433—3
<i>Annomatocoris seratus</i> Guidoti <i>et al.</i> 2019	201000200	000—00—00	242021—	—60300441	5—21403—3
<i>Alveotisingis brevicornis</i> Osborn & Drake 1917	2?1001300	1011300011	0121111220	1010230301	1401010001
<i>Alveotisingis grossocerata</i> Osborn & Drake 1916	2?2001300	1011300011	0101111220	1010230001	1401010001
<i>Alveotisingis minor</i> Osborn & Drake 1917	202001300	1011300011	0121111220	1010230001	1401010001
<i>Alveotisingis pantex</i> Knudson new species	2?1012301	1000100021	0401121200	1010130001	1400000012
<i>Alveotisingis rileyorum</i> Knudson new species	200012300	1012300021	0411131220	1110230001	1400010012
<i>Atheas mimeticus</i> Heidemann 1909	402000001	1—00211	0011311220	2300031101	1401100111
<i>Cantacader quadricornis</i> (Le Peletier & Serville 1828)	000000001	1—001201	0410000220	0000021100	1001200002
<i>Coleopteroides lilliputianum</i> (Signoret 1863)	200000000	100—000110	1301110003	0600304412	301403—23
<i>Copium teucarii</i> (Host 1788)	000111010	0201110001	2221221220	3000231301	1101010112
<i>Corythucha marmorata</i> (Uhler 1878)	000000001	0—00001	2323041233	0001030131	1003200412
<i>Corythucha mollicula</i> Osborn & Drake 1916	000000001	0—00001	2323041233	0301030131	1003240412
<i>Dictyla echii</i> (Schränk 1781)	101000001	100—00001	0321001220	0380030101	1001110112
<i>Eurypharsa championi</i> Bergroth 1922	100000101	1011200011	0322211220	1120231321	1301212231
<i>Eurypharsa fenestrata</i> Champion 1898	1?2000100	1021200011	0322211230	1030231321	1401212230
<i>Eurypharsa farouki</i> Silva 1956	???? ?????	???????????	???????????	???????????	???????????
<i>Eurypharsa nobilis</i> (Guérin-Méneville 1844)	102000100	1020200011	0222211230	1230231321	1001314231
<i>Eurypharsa phyllophila</i> Drake 1922	???? ?????	???????????	???????????	???????????	???????????
<i>Eurypharsa quadrifenestrata</i> Bergroth 1898*	10200010?	?020200011	0?22211230	1230231321	1?01314231
<i>Gargaphia tiliae</i> (Walsh 1864)	002000201	0200100001	0222221320	1030331301	1001230452
<i>Hesperotisingis antennata</i> Parshley 1917	100012301	1112300011	1321111220	1010230001	1400010022
<i>Hesperotisingis duryi</i> (Osborn & Drake 1916)	111012300	1102300021	1321211230	1110230001	2400010011
<i>Hesperotisingis floridana</i> Drake 1928	112012301	1111300011	1321231220	1010230001	1400030011
<i>Hesperotisingis fuscata</i> Parshley 1917	201012301	1112300011	1421211220	1030230001	1400010021
<i>Hesperotisingis illinoiensis</i> Drake 1918	001012301	1011100021	0221211220	1230230001	1400210001
<i>Hesperotisingis</i> sp.	201012301	1011300011	0421231220	1210230001	1400010011
<i>Hesperotisingis occidentalis</i> Drake 1922	001012301	1011100021	0221211220	1030230001	1400110101
<i>Hesperotisingis scudderii</i> Knudson new species	201012301	1102300001	1421211220	1030230001	1400010021
<i>Leptodictya lenahoi</i> (Kirkaldy 1905)	100000201	0210000111	0314001230	0060230321	1101315310
<i>Leptoypa mutica</i> (Say 1832)	200000001	0012100001	0220101—1—	1—60030301	2301400352
<i>Melanorhopala clavata</i> (Stål 1873)	010011301	1011100021	0221211220	1130230001	3100010001
<i>Melanorhopala froeschneri</i> Henry & Wheeler 1986	100100200	1021100011	1421211220	2110231311	1100110412

Table 1.2. Continued. Character matrix for *Teleonemia* generic complex, characters 1-49 (continued).

Species	1111111111 2222222222 3333333333 4444444444					
	123456789	0123456789	0123456789	0123456789	0123456789	0123456789
<i>Melanorhopala</i> new species	010011301	1011100021	0321111221	1130230001	3100010011	
<i>Melanorhopala infuscata</i> Parshley 1917	100100201	1011100011	1411211221	1110230301	1100111111	
<i>Perrissonemia kietana</i> Drake & Ruhoff 1961	2?0000201	?001100001	1131261130	3030230311	1401011231	
<i>Phatnoma marmorata</i> Champion 1897	000000001	112?022211	0411141220	2000010301	1001205112	
<i>Physatocheila variegata</i> Parshley 1916	100000001	0011000001	0421111220	2180231301	1101510112	
<i>Stephanitis rhododendri</i> Horváth 1905	000000201	0001100001	0324211230	1000131321	1111240452	
<i>Teleonemia abdita</i> Drake 1939*	1?2000201	1001100001	0221211230	2010231311	0000015010	
<i>Teleonemia absimilis</i> Drake & Hambleton 1944	2?00 ?????	0110100011	1111221220	1030230301	1100113143	
<i>Teleonemia adelphe</i> Drake & Maldonado 1965*	1?0000201	?010100011	04?12?1220	2330?30311	1100011000	
<i>Teleonemia aemula</i> Monte 1942*	1?2000001	1122100001	1322221221	2130230301	1300110251	
<i>Teleonemia altilis</i> Drake & Hambleton 1944*	3?2 ??????	?111100001	21?1011220	2010231311	1000011440	
<i>Teleonemia amazonica</i> Horváth 1925*	1?0000200	1010100011	1??2211320	2330230301	1300211342	
<i>Teleonemia angustata</i> Monte 1943*	100000201	1011100001	12?1221220	1320231311	1200015010	
<i>Teleonemia annae</i> (Kirkaldy 1905)	2?3000100	1110100001	0222261221	1230230301	1300312332	
<i>Teleonemia argentinensis</i> Drake & Poor 1942*	201000001	111110000?	22?1321140	1250231311	3302012431	
<i>Teleonemia aterrima</i> Stål 1873	300000200	1110100001	1201221220	1010230301	1100013000	
<i>Teleonemia atrata</i> Champion 1898	302000200	1111200001	2231221223	1210231311	0100011040	
<i>Teleonemia bahiana</i> Drake 1942*	302000100	1200100001	12?2221223	1010231311	1300010001	
<i>Teleonemia barberi</i> Drake 1918	200100200	1012000010	2431261221	1010230301	1100010011	
<i>Teleonemia belfragii</i> Stål 1873	000000001	1120100011	1221221220	1320230301	1300010310	
<i>Teleonemia bifasciata</i> Champion 1898	102000201	1110100001	1221221220	1310230311	1200012030	
<i>Teleonemia boliviana</i> Drake 1939	202000200	1111100001	1231241220	1010230301	1300011000	
<i>Teleonemia bosqi</i> Monte 1943	111100201	1111100011	1321261230	1110230301	0300012331	
<i>Teleonemia brevipennis</i> Champion 1898	2?1001201	1112100001	1321211220	1210230301	1200012231	
<i>Teleonemia carmelana</i> (Berg 1892)	100000000	1010100011	1222221232	1330330331	1300212131	
<i>Teleonemia chacoana</i> Drake 1942*	1?0000101	1010100001	1222221331	1040330331	1100222232	
<i>Teleonemia chapadiana</i> Drake 1922*	1?2000001	1122100011	3321211221	2330230301	1100110111	
<i>Teleonemia chilensis</i> (Reed)	100000001	1110200011	2222221332	1330331331	1300122231	
<i>Teleonemia consors</i> Drake 1918	300100000	1012100010	2421221221	1110231301	1200010111	
<i>Teleonemia cylindricornis</i> Champion 1898	100100100	1011200021	1321221221	1110230301	1300111111	
<i>Teleonemia dulcis</i> Drake 1939	102000101	1111100011	0421261221	1110231301	1300012421	
<i>Teleonemia elata</i> Drake 1935	101000201	1020200011	0223251322	1330331331	1100222211	
<i>Teleonemia elevata</i> (Fabricius 1803)*	202000201	1111100001	1221221223	1010231301	1300011040	
<i>Teleonemia forticornis</i> Champion 1898	202000200	1112100001	0321221221	1210230311	2100011411	
<i>Teleonemia funerea</i> Costa 1864	302000200	1000100001	1231221221	1310230301	1300011440	

Table 1.2. Continued. Character matrix for *Teleonemia* generic complex, characters 1-49 (continued).

Species	123456789	1111111111	2222222222	3333333333	4444444444
		0123456789	0123456789	0123456789	0123456789
<i>Teleonemia guyanensis</i> Drake & Carvalho 1944*	2?0000201	1112100001	1321001221	0010031301	1000112231
<i>Teleonemia harleyi</i> Froeschner 1970	1?2000201	1011100001	1221221223	1310231311	1200011340
<i>Teleonemia hasemani</i> Drake 1922*	2?2000101	1112100011	1112100011	1010230311	11002?2331
<i>Teleonemia huachucae</i> Drake 1941	402000000	1001000011	1201221223	1010230311	1200010011
<i>Teleonemia inops</i> Drake & Hambleton 1944	200000201	1110100001	0221221223	1010230311	0300011040
<i>Teleonemia inornata</i> Monte 1941	300000201	1111100001	1422261221	1210231301	1300111401
<i>Teleonemia jucunda</i> Drake 1939	102000100	1011100011	0321261220	1010230311	1300011411
<i>Teleonemia leitei</i> Drake & Hambleton 1939*	0?1000201	1011100021	2321241140	?020230311	1000010020
<i>Teleonemia limbata</i> Stål 1873	102000101	1011100001	0321221232	1330330311	1300122211
<i>Teleonemia longicornis</i> Champion 1898	102000101	1111100011	0321261221	2110230311	4110011231
<i>Teleonemia luctuosa</i> (Stål 1858)*	2?0000200	1111100001	1201211130	2010231311	0100015010
<i>Teleonemia lustrabilis</i> Drake 1953*	3?0000100	?121100001	0222321330	3040330301	1300525102
<i>Teleonemia lutzi</i> Drake 1941	202000200	1010100011	0422321321	1330230301	1300211042
<i>Teleonemia mera</i> Drake & Hambleton 1942*	3?0000100	?001100001	2222211221	2020031311	1000111340
<i>Teleonemia molinae</i> Drake 1940	202000200	1000000001	0221321220	1010230311	0300010000
<i>Teleonemia monile</i> Van Duzee 1918	100001000	1000100001	1221221223	1310231311	1200010011
<i>Teleonemia montivaga</i> Drake 1920	102000200	1010000001	1001221220	1310231311	1300010011
<i>Teleonemia morio</i> (Stål 1855)	302000100	1121100001	0403221220	1030230301	1300011000
<i>Teleonemia multimaculata</i> Monte 1940	002000001	1011100001	1021361221	1010231311	1200011210
<i>Teleonemia nigrina</i> Champion 1898	100001000	1100100001	1221221220	1310230311	1300010011
<i>Teleonemia notata</i> Champion 1898	100000001	1111100001	1231221223	1010231311	1300011040
<i>Teleonemia ochracea</i> Champion 1898*	1?0000 ???	1111100011	?4?1221220	101023?311	???00?0040
<i>Teleonemia paraguayana</i> Drake 1942	1?2000201	1020000021	0322221232	1330330331	1100222211
<i>Teleonemia patagonica</i> Drake 1948*	1?0000000	1011100011	12?2011332	2330031331	1?001?2212
<i>Teleonemia picta</i> Champion 1898	202000200	1121100001	1422361221	1330230301	1300212032
<i>Teleonemia pilicornis</i> Champion 1898	2?2000200	1001100001	0211221220	1010230311	1400001011
<i>Teleonemia proluxa</i> (Stål 1858)	202000201	1111100001	1221221223	1010231301	1300011040
<i>Teleonemia prunellae</i> Drake & Hambleton 1946	202020000	1111100001	1221241220	0010231311	1200011111
<i>Teleonemia quechua</i> Monte 1943	202000201	1111100001	1422261221	1230231301	1100111231
<i>Teleonemia rugosa</i> Champion 1898	202000000	1011100011	2221261111	0050231311	4300011341
<i>Teleonemia sacchari</i> (Fabricius 1794)	100000001	1110100001	1221221220	1310231311	1300010010
<i>Teleonemia sandersi</i> Drake & Hambleton 1944	200000201	1110100001	1221221223	1110230311	1200011140
<i>Teleonemia schwarzi</i> Drake 1918	102000201	1002100011	0221221220	1310231311	4200010111
<i>Teleonemia scrupulosa</i> Stål 1873	102000001	1111100001	0221221323	1030231311	1200012040
<i>Teleonemia sidae</i> (Fabricius 1794)	101000001	1110100001	1331261223	1320231311	1300010210
<i>Teleonemia simillima</i> Monte 1941*	3?1000100	1112100001	22?2211220	1030230301	1100111441
<i>Teleonemia simulans</i> Drake 1922*	1?1000001	1011000011	12?2211332	1340330331	1100221211

Table 1.2. Continued. Character matrix for *Teleonemia* generic complex, characters 1-49 (continued).

Species	123456789	111111111	222222222	333333333	444444444
		0123456789	0123456789	0123456789	0123456789
<i>Teleonemia tellus</i> Drake & Hambleton 1939*	202000201	1121100001	13?1241131	2010230311	1300011441
<i>Teleonemia triangularis</i> (Blanchard 1842)	2?2000201	1111100011	0221261220	2230231331	1300211341
<i>Teleonemia tricolor</i> (Mayr 1865)	202000100	1111100001	0322261230	2230231301	1100211142
<i>Teleonemia validicornis</i> Stål 1873	110100201	1122100011	2321361221	2010230311	1100011421
<i>Teleonemia variegata</i> Champion 1898	100100201	1111100010	2421261221	1010231301	1400011111
<i>Teleonemia veneris</i> Drake 1939*	3?2000100	1111100001	14?1261221	2010230301	1100111240
<i>Teleonemia vidua</i> Van Duzee 1918	202000000	1001000001	1231221223	1010231311	1200010011
<i>Teleonemia vulgata</i> Drake & Hambleton 1940	102000201	1100100001	2221221221	1320231311	1100011240
<i>Teleonemia vulsa</i> Drake & Hambleton 1944*	100000201	1011100011	10?2411131	2050230311	4300011341
<i>Teleonemia</i> n. sp. 1 [<i>ceronotus</i>]	102000000	1012100011	2221361221	1010230311	2102011011
<i>Teleonemia</i> n. sp. 2 [<i>radagasti</i>]*	202000100	1111100111	?2?1241230	201023?311	1101011300
<i>Teleonemia</i> n. sp. 3 [<i>rhoplocera</i>]	2?1000201	1111100011	1321261231	1020231301	1100011241
<i>Teleonemia</i> n. sp. 4 [<i>omrio</i>]	302000100	1111100001	1302261120	1030230301	1400011000
<i>Teleonemia</i> n. sp. 5	202000200	1111100011	1321261231	2220231301	1400111141
<i>Teleonemia</i> n. sp. 6	2?2000200	1111100011	2221261221	1210230301	1400511141
<i>Teleonemia</i> n. sp. 7	2?2000100	1021000011	0321261130	1130230301	1000112132
<i>Teleonemia</i> n. sp. 8	202000100	1100100011	0321261223	1230230301	1100112432
<i>Teleonemia</i> n. sp. 9	2?2000101	1111100011	0321361220	2110231311	1300012441
<i>Teleonemia</i> n. sp. 10	2?2100100	1111100011	1321361331	2320231311	0401011461
<i>Teleonemia</i> n. sp. 11	2?0000200	1111100001	1321321223	1210231301	1400111111
<i>Teleonemia</i> n. sp. 12	102000201	1111100011	1221361220	2110230311	1410012431
<i>Teleonemia</i> n. sp. 13	1?2000001	0011100011	1221241120	2310031311	1400012330
<i>Teleonemia</i> n. sp. 14	3?2000100	1121100001	0322221220	1030230311	1400011400
<i>Teleonemia</i> n. sp. 16	1?0000001	1111100011	1231261111	2050230311	4000012331
<i>Teleonemia</i> n. sp. 17	200000201	1110100001	2121221220	1010230311	0300011040
<i>Teleonemia</i> n. sp. 18	1?2000101	1111100011	1321361220	2110230311	0413011441
<i>Teleonemia</i> n. sp. 19	2?2000 ???	1112100001	0432261221	2250230311	1101111241
<i>Teleonemia</i> n. sp. 20	1?2000101	1111100011	1321261221	2110231311	4101011241
<i>Teleonemia</i> n. sp. 21	2?2000100	1111100001	0??2361221	2030231301	1201111241
<i>Teleonemia</i> n. sp. 22	2?2 ??????	1111100001	0321341220	2010230311	1301011430
<i>Teleonemia</i> n. sp. 23	1?2000100	1012000011	0331261121	2010230311	2103011411
<i>Teleonemia</i> n. sp. 24	0?0000001	1111000001	2331321220	1010231311	0101010020
<i>Teleonemia</i> n. sp. 25	102000001	1100100001	1231221223	1310231311	1100011230
<i>Teleonemia</i> n. sp. 26	1?1000001	1110100011	2321221221	1110230301	1300112211
<i>Teleonemia</i> n. sp. 27	1?2000101	1111100011	1221211223	2050230301	0001111441
<i>Teleonemia</i> n. sp. 28	100000201	1111100001	1331221223	1310230311	0200011340
<i>Teleonemia</i> n. sp. 29	101100201	1111000022	1411211141	1110231301	1400110312

Table 1.2. Continued. Character matrix for *Teleonemia* generic complex, characters 1-49 (continued).

Species	123456789	1111111111	2222222222	3333333333	4444444444
		0123456789	0123456789	0123456789	0123456789
<i>Teleonemia</i> n. sp. 30	202000001	1000100011	1231221223	2010231311	0300011140
<i>Teleonemia</i> n. sp. 31	400000201	1110100001	0221261220	1310231311	1300011040
<i>Teleonemia</i> n. sp. 32	400000201	1111100001	0221261220	1310231311	0300011040
<i>Teleonemia</i> n. sp. 33	102000201	1110100001	1221221220	1310230311	1200012030
<i>Teleonemia</i> n. sp. 34	402000201	1112100001	2331221220	1310231311	1200011040
<i>Teleonemia</i> n. sp. 35	200000101	1110100001	1231161220	1310231311	0300111140
<i>Teleonemia</i> n. sp. 36	400000201	1111100001	0221221220	1310231311	1200011440
<i>Teleonemia</i> n. sp. 37	400000001	1121100001	1221221220	2010231311	1300011040
<i>Tingis cardui</i> (Linnaeus 1758)	100000001	1001100010	1231221220	1100131301	0101220031

Table 1.3. Character matrix for *Teleonemia* generic complex, characters 50-98. Species marked with asterisks (*) were scored from photographs of type specimens and the original species description. Missing data is signified by question marks (?) and gaps are signified by em dashes (-).

Species	555555555	666666666	777777777	888888888	999999999
	0123456789	0123456789	0123456789	0123456789	012345678
<i>Lygus lineolaris</i> (Palisot de Beauvois 1818)	3—0—	—00400110	21100000—0	00—201—0—0	—200—00—
<i>Thaumastocoris peregrinus</i> Carpintero & Dellapé 2006	3—0—	—10420110	21100010—0	00—001—0—0	—200—00—
<i>Annomatocoris seratus</i> Guidoti <i>et al.</i> 2019	3—0002	000440030?	?110010000	01—201—0—0	—000—002—
<i>Alveotingsis brevicornis</i> Osborn & Drake 1917	3004111021	010131222?	?112110120	0211101200	101003000
<i>Alveotingsis grossocerata</i> Osborn & Drake 1916	3004111021	010131222?	?132110120	0211101200	101003000
<i>Alveotingsis minor</i> Osborn & Drake 1917	3004?11021	0101312220	0132110120	0211101200	101003000
<i>Alveotingsis pantex</i> Knudson new species	4114111021	0002311?2?	?142110122	1111101300	101001010
<i>Alveotingsis rileyorum</i> Knudson new species	3114121021	0002312120	1112110122	1211101200	101003000
<i>Atheas mimeticus</i> Heidemann 1909	6110011041	3122100100	0156110122	01—211—2—0	201020030
<i>Cantacader quadricornis</i> (Le Peletier & Serville 1828)	0200011000	0004000101	2100010032	00—110—1—0	101000001
<i>Coleopteroides lilliputianum</i> (Signoret 1863)	01—10403	1211210200	1521100020	0—20011101	010000010
<i>Copium teucarii</i> (Host 1788)	6114011011	0001200210	1132110021	0111011200	201000001
<i>Corythucha marmorata</i> (Uhler 1878)	0000310001	3110100100	1110010031	20—211—0—3	201000021
<i>Corythucha mollicula</i> Osborn & Drake 1916	0000310001	3110100100	1110010031	20—211—0—3	201000021
<i>Dictyla echii</i> (Schränk 1781)	0101001?00	1011410010	1100110030	0—000—3—0	201000011
<i>Eurypharsa championi</i> Bergroth 1922	0101011011	4002101210	1114110122	1111211200	111004021
<i>Eurypharsa fenestrata</i> Champion 1898	2113021011	4003101120	1??3110022	1221211302	111004?21
<i>Eurypharsa farouki</i> Silva 1956	??????????	??????????	??????????	??????????	??????????
<i>Eurypharsa nobilis</i> (Guérin-Méneville 1844)	2204021011	3020311020	1114110032	0211111212	111004021
<i>Eurypharsa phyllophila</i> Drake 1922	??????????	??????????	??????????	??????????	??????????
<i>Eurypharsa quadrifenestrata</i> Bergroth 1898*	220?021??1	????? 110?0	1??4110032	0211211212	111004??1
<i>Gargaphia tiliae</i> (Walsh 1864)	3102011111	3024100100	1130110032	0212210121	102003001
<i>Hesperotingsis antennata</i> Parshley 1917	3204021021	3012300120	1122110122	0111101200	211003021
<i>Hesperotingsis duryi</i> (Osborn & Drake 1916)	3114221021	0002312220	0132110122	0211101300	111003020
<i>Hesperotingsis floridana</i> Drake 1928	1400030011	3002312120	0032110122	0111101300	111003000
<i>Hesperotingsis fuscata</i> Parshley 1917	3214221021	0002311020	0132110122	0211101300	111003010
<i>Hesperotingsis illinoiensis</i> Drake 1918	3104121021	3022102220	1112110122	1111101300	111003000
<i>Hesperotingsis</i> sp.	3104121021	1002302120	1312110122	1011101300	111003010
<i>Hesperotingsis occidentalis</i> Drake 1922	3101121011	3020102210	1110110122	1111101310	111003010
<i>Hesperotingsis scudderii</i> Knudson new species	3214221021	0002311220	0132110122	1211101200	111003010
<i>Leptodictya lenahoi</i> (Kirkaldy 1905)	0100011011	3102100100	1000110032	1212220303	112004022
<i>Leptoypa mutica</i> (Say 1832)	2101011011	0121110100	2052110011	0011111300	111001022
<i>Melanorhopala clavata</i> (Stål 1873)	0304121020	3012302221	2132110122	1212201300	011003010
<i>Melanorhopala froeschneri</i> Henry & Wheeler 1986	2104011021	0002302223	1131110122	0211111200	111003010

Table 1.3. Continued. Character matrix for *Teleonemia* generic complex, characters 50-98 (continued).

Species	555555555 0123456789	666666666 0123456789	777777777 0123456789	888888888 0123456789	999999999 012345678
<i>Melanorhopala</i> new species	0304111020	3002302221	2112110122	1212201300	111003010
<i>Melanorhopala infuscata</i> Parshley 1917	3214111011	1002302211	2112110122	1211211000	111003020
<i>Perrissonemia kietana</i> Drake & Ruhoff 1961	6116011041	00201022?0	1??6110141	1211111312	010001?21
<i>Phatnoma marmorata</i> Champion 1897	0001301031	2022500013	2110110032	00-0112300	111000012
<i>Physatocheila variegata</i> Parshley 1916	3114011021	1002102120	1132110031	0211101300	200003021
<i>Stephanitis rhododendri</i> Horváth 1905	4102011011	0010000100	1110110031	2212221213	001003021
<i>Teleonemia abdita</i> Drake 1939*	1104011011	4121101020	1??1110122	1121101402	210103?00
<i>Teleonemia absimilis</i> Drake & Hambleton 1944	2111011011	311031211?	?131110?22	11211?1310	111003021
<i>Teleonemia adelphe</i> Drake & Maldonado 1965*	?1?30110?0	?0??? 0023?	1??? 110?21	1011110301	211004??0
<i>Teleonemia aemula</i> Monte 1942*	4104011010	????? 0213?	?202110122	1211101302	1110020?1
<i>Teleonemia altilis</i> Drake & Hambleton 1944*	31060110?1	???? 10101?	1??0110?21	1011??1302	211003??1
<i>Teleonemia amazonica</i> Horváth 1925*	21110210?0	????? 110??	??2110121	11?1210312	111003??1
<i>Teleonemia angustata</i> Monte 1943*	3104021011	????? 04133	1341110121	1121111301	2110030?1
<i>Teleonemia annae</i> (Kirkaldy 1905)	2004111011	410130101?	?152110121	1210211412	112013111
<i>Teleonemia argentinensis</i> Drake & Poor 1942*	2514001010	???? 311130	1141110122	1221101400	2110030?0
<i>Teleonemia aterrima</i> Stål 1873	3404011011	3120301010	0140110121	0021111302	111003021
<i>Teleonemia atrata</i> Champion 1898	2114011011	312210101?	?141110121	0021111401	111013021
<i>Teleonemia bahiana</i> Drake 1942*	3106011011	???? 10101?	?310110122	1021112412	2110130?1
<i>Teleonemia barberi</i> Drake 1918	0104011021	1002103211	1110110121	0111211401	101003020
<i>Teleonemia belfragii</i> Stål 1873	0101011011	3101122221	1111110121	1021112312	211003011
<i>Teleonemia bifasciata</i> Champion 1898	4101011011	3101302210	1232110121	0021111322	111004021
<i>Teleonemia boliviana</i> Drake 1939	3104001000	3111101020	0140110121	0021111300	211003021
<i>Teleonemia bosqi</i> Monte 1943	3104011011	0101312211	2151110121	1221211401	112003001
<i>Teleonemia brevipennis</i> Champion 1898	5114011021	000211102?	?132110022	1111212302	111002011
<i>Teleonemia carmelana</i> (Berg 1892)	0104001011	3123112221	1110110131	1211211312	212004021
<i>Teleonemia chacoana</i> Drake 1942*	4122011011	????? 0211?	?110110132	1211111212	1120040?1
<i>Teleonemia chapadiana</i> Drake 1922*	11??021011	10111010??	?100110121	0111111302	111004011
<i>Teleonemia consors</i> Drake 1918	4114011021	1013103220	1132110122	0121111300	111003021
<i>Teleonemia chilensis</i> (Reed)	2114011011	3122102211	2110110121	1211211112	212003022
<i>Teleonemia cylindricornis</i> Champion 1898	4144011011	0002112221	2131110121	0221111401	112003010
<i>Teleonemia dulcis</i> Drake 1939	2144011011	2002112221	2231110121	0121211401	011003001
<i>Teleonemia elata</i> Drake 1935	2112011011	3122112210	2110110131	1111112112	011004021
<i>Teleonemia elevata</i> (Fabricius 1803)*	3116021011	???? 10221?	?341110121	1221111?12	1110030?1
<i>Teleonemia forticornis</i> Champion 1898	4114011021	0002111111	1432110121	1211111302	111003011
<i>Teleonemia funerea</i> Costa 1864	3104031011	3120201010	1441110121	0021121322	111003011

Table 1.3. Continued. Character matrix for *Teleonemia* generic complex, characters 50-98 (continued).

Species	5555555555 0123456789	6666666666 0123456789	7777777777 0123456789	8888888888 0123456789	9999999999 012345678
<i>Teleonemia guyanensis</i> Drake & Carvalho 1944*	0101011001	?0??? 0422?	?130110122	11?1211402	1110130?0
<i>Teleonemia harleyi</i> Froeschner 1970	4114011011	302110221?	?441110021	0020110402	111003021
<i>Teleonemia hasemani</i> Drake 1922*	21??131011	311110102?	?110110122	1121111301	111003021
<i>Teleonemia huachucae</i> Drake 1941	4114111011	3021103210	0341110120	1021011300	211001001
<i>Teleonemia inops</i> Drake & Hambleton 1944	4114011010	3123102210	2340110121	0021111402	211003011
<i>Teleonemia inornata</i> Monte 1941	4114011011	0002101011	1??1110121	1120111302	211002011
<i>Teleonemia jucunda</i> Drake 1939	4104011011	0002112221	2430110122	0121211400	212003011
<i>Teleonemia leitei</i> Drake & Hambleton 1939*	0004011011	???? 31211?	?110110122	1221111401	2110030?1
<i>Teleonemia limbata</i> Stål 1873	4113011011	0012122211	2430110121	1221111302	111003010
<i>Teleonemia longicornis</i> Champion 1898	2101011031	0102311122	1112110121	1111211411	111003011
<i>Teleonemia luctuosa</i> (Stål 1858)*	1104011011	4121102130	2??1110122	1011111402	210103?31
<i>Teleonemia lustrabilis</i> Drake 1953*	21??031030	311231101?	?150110130	1111111303	112002022
<i>Teleonemia lutzi</i> Drake 1941	2111021010	2012111011	2332110121	0211111322	111003012
<i>Teleonemia mera</i> Drake & Hambleton 1942*	01??031011	40??? 01010	1??0110121	1011111412	211013??1
<i>Teleonemia molinae</i> Drake 1940	6114011011	3113111010	2441110121	0021110422	111003011
<i>Teleonemia monile</i> Van Duzee 1918	3111011011	3120103210	2331110121	1021011301	211001011
<i>Teleonemia montivaga</i> Drake 1920	3114111011	3020103210	1241110121	1021111301	211001011
<i>Teleonemia morio</i> (Stål 1855)	4114011011	0002111311	2441110122	0221211422	111003002
<i>Teleonemia multimaculata</i> Monte 1940	4114011011	3023111010	1?42110122	1011001300	211003?00
<i>Teleonemia nigrina</i> Champion 1898	4114111011	3021103210	1241110121	0121011301	211001001
<i>Teleonemia notata</i> Champion 1898	4116011011	0120102210	1441110121	0021111302	211002021
<i>Teleonemia ochracea</i> Champion 1898*	?1?? 0010??	10??? 022??	??? 1110?21	0?111?1302	11?003?01
<i>Teleonemia paraguayana</i> Drake 1942	4112011011	301010222?	?130110132	0221210123	012004021
<i>Teleonemia patagonica</i> Drake 1948*	?1??011011	?0??? 0212?	??? 0110122	1211111422	211003??2
<i>Teleonemia picta</i> Champion 1898	2111311011	200011101?	?332110121	1221111312	111001021
<i>Teleonemia pilicornis</i> Champion 1898	3104011011	3121304220	1??1110121	1121111402	111001?22
<i>Teleonemia proluxa</i> (Stål 1858)	0116021011	3021102211	1341110121	1021111411	221003011
<i>Teleonemia prunellae</i> Drake & Hambleton 1946	3116011011	3023114210	1341110121	1121111301	212001022
<i>Teleonemia quechua</i> Monte 1943	4114011011	0002102121	1421110121	1111111402	211003011
<i>Teleonemia rugosa</i> Champion 1898	0114011011	3021102220	2331110112	1011111302	112003011
<i>Teleonemia sacchari</i> (Fabricius 1794)	3114111011	3021102210	1331110121	1021111422	211003011
<i>Teleonemia sandersi</i> Drake & Hambleton 1944	4114021011	3021102210	1142110121	0021111402	211003011
<i>Teleonemia schwarzi</i> Drake 1918	4113011011	3021104210	1141110121	1021011311	211002021
<i>Teleonemia scrupulosa</i> Stål 1873	4114011011	3020202210	1131110021	1021111302	211003021
<i>Teleonemia sidae</i> (Fabricius 1794)	3113011011	3011122210	1042110121	1021111302	111003011
<i>Teleonemia simillima</i> Monte 1941*	24?4031010	????? 01320	1??1110121	1111101402	211013??1
<i>Teleonemia simulans</i> Drake 1922*	3122011011	????? 0011?	?110110131	0211111223	0120040?1

Table 1.3. Continued. Character matrix for *Teleonemia* generic complex, characters 50-98 (continued).

Species	555555555 0123456789	666666666 0123456789	777777777 0123456789	888888888 0123456789	999999999 012345678
<i>Teleonemia telluris</i> Drake & Hambleton 1939*	21?4031111	000?30121?	?111110121	1121211400	1110040?1
<i>Teleonemia triangularis</i> (Blanchard 1842)	2116011011	302111212?	?110110122	1211211301	112003021
<i>Teleonemia tricolor</i> (Mayr 1865)	3016311011	3021115121	2111110121	0211212302	112013121
<i>Teleonemia validicornis</i> Stål 1873	4116011011	2010114120	2011110121	0221111401	111003001
<i>Teleonemia variegata</i> Champion 1898	4113011011	3002123211	2131110122	1121111300	211003021
<i>Teleonemia veneris</i> Drake 1939*	21??031011	?00??1532?	?151110122	1011111401	1110130?1
<i>Teleonemia vidua</i> Van Duzee 1918	4114011011	3021103210	1242110121	1121011301	211001011
<i>Teleonemia vulgata</i> Drake & Hambleton 1940	0101011011	3111101210	1341110121	0021101402	211013021
<i>Teleonemia vulsa</i> Drake & Hambleton 1944*	?4??011011	?0??101220	1??1110121	1?11111402	111003??2
<i>Teleonemia</i> n. sp. 1 [<i>ceronotus</i>]	3514011031	3123112110	1152110122	0221111411	212003010
<i>Teleonemia</i> n. sp. 2 [<i>radagasti</i>]*	1113011011	?01?1010??	11?1110122	1?11111311	111003???
<i>Teleonemia</i> n. sp. 3 [<i>rhoplocera</i>]	0114011031	2000102221	1??1110121	1111111401	011003?11
<i>Teleonemia</i> n. sp. 4 [<i>omrio</i>]	4114011030	0002111311	1151110121	0011111402	111013011
<i>Teleonemia</i> n. sp. 5	3111011021	3022112021	1111110121	1211211311	111003011
<i>Teleonemia</i> n. sp. 6	2114011011	302211101?	?151110121	1221211321	112003011
<i>Teleonemia</i> n. sp. 7	2501311021	402210101?	?331110121	1121212401	111003011
<i>Teleonemia</i> n. sp. 8	2114011021	0002101021	1121110121	0111212412	111002022
<i>Teleonemia</i> n. sp. 9	2116011011	400211221?	?141110121	1121211401	112003?21
<i>Teleonemia</i> n. sp. 10	3116011110	2103311033	1??1110121	1221211422	111003?21
<i>Teleonemia</i> n. sp. 11	4114011011	0002112221	1??5110121	1211211411	211003?11
<i>Teleonemia</i> n. sp. 12	2516011011	4002112211	1151110121	1221211301	011003011
<i>Teleonemia</i> n. sp. 13	6116011021	3022312210	1??2110121	0011211300	211003?21
<i>Teleonemia</i> n. sp. 14	4111011010	2002111311	2??2110122	1111111412	111003?01
<i>Teleonemia</i> n. sp. 16	0111011011	302110222?	?032110111	1111111411	111003002
<i>Teleonemia</i> n. sp. 17	3104011011	4121104210	1311110121	1021111411	211003021
<i>Teleonemia</i> n. sp. 18	6516011011	0002212220	1??2110122	1111211402	011003?11
<i>Teleonemia</i> n. sp. 19	3103001021	001230103?	?464110?21	12111?2412	111003011
<i>Teleonemia</i> n. sp. 20	4116021021	000231103?	?133110121	1221211411	012003011
<i>Teleonemia</i> n. sp. 21	21130310??	????? 110??	?430110122	1111211302	1110030?1
<i>Teleonemia</i> n. sp. 22	3111001011	011311103?	?433110?22	1121??1411	211003021
<i>Teleonemia</i> n. sp. 23	2411111021	000230022?	?421110122	0211111400	211003010
<i>Teleonemia</i> n. sp. 24	3123011011	301110013?	?241110121	0120001311	211001011
<i>Teleonemia</i> n. sp. 25	3116211011	3111102210	1341110121	1021112402	211001021
<i>Teleonemia</i> n. sp. 26	4114011011	001210222?	?132110121	1121111302	111003021
<i>Teleonemia</i> n. sp. 27	1401001011	311050221?	?110110112	1111111412	112003021
<i>Teleonemia</i> n. sp. 28	4116011011	3113102210	1210110121	1011111312	211003021
<i>Teleonemia</i> n. sp. 29	2110401001	1102312223	0111110122	0211111301	210003010

Table 1.3. Continued. Character matrix for *Teleonemia* generic complex, characters 50-98 (continued).

Species	5555555555 0123456789	6666666666 0123456789	7777777777 0123456789	8888888888 0123456789	9999999999 012345678
<i>Teleonemia</i> n. sp. 30	2104011011	3121102211	1341110121	0021112302	211002021
<i>Teleonemia</i> n. sp. 31	3103021011	3111112210	1241110121	0021101401	211021022
<i>Teleonemia</i> n. sp. 32	3103011011	3101212210	1241110121	0021111301	211022022
<i>Teleonemia</i> n. sp. 33	4101011011	3101302210	1232110121	0021111322	111002021
<i>Teleonemia</i> n. sp. 34	4116021011	3120102230	1231110121	0021111301	211003021
<i>Teleonemia</i> n. sp. 35	3103021011	3110102210	0331110121	0021111312	211001021
<i>Teleonemia</i> n. sp. 36	2103021011	3113304210	0361110121	0021111322	111003021
<i>Teleonemia</i> n. sp. 37	3103021011	3120102111	1341110121	1011111301	211003021
<i>Tingis cardui</i> (Linnaeus 1758)	4113001011	3120200100	1110110031	1121011312	101004002

Results

One trillion, ninety-five billion, eight hundred million (1,095,800,000,000) rearrangements were attempted, and twelve million, six hundred twenty-eight thousand, six hundred fifty-six (12,628,656) trees were retained from the five hundred random replication analysis. The shortest trees were 2,327 steps. A strict consensus and 50% majority rule consensus from 6,192 most parsimonious trees are presented in Figures 1.2. and 1.3. Additional strict consensus and 50% majority rule consensus trees for all other attempted analyses are presented in figures A.1.1. to A.9.1.

Hesperotingis, *Melanorhopala*, and *Teleonemia* were each recovered as not monophyletic in all attempted analyses. *Hesperotingis* and *Melanorhopala* are paraphyletic and *Teleonemia* is polyphyletic. *Alveotingis* and *Eurypharsa* were recovered as monophyletic. *Alveotingis*, *Hesperotingis*, and *Melanorhopala* constitute one major clade of the generic complex that is sister to *Teleonemia* sensu lato and herein referred to as the *HAM* clade. The very base of the generic complex constitutes a new unnamed genus Henry, that is sister to the *HAM* clade and comprised of taxa from *Melanorhopala* sensu lato and *Teleonemia* sensu lato. *Alveotingis* was recovered as monophyletic, but is sister to two new species of Tingidae from the southern United States, that are described in chapter two. The *Alveotingis* group is sister to a clade containing *Melanorhopala* sensu stricto, two species of *Hesperotingis* that are herein transferred to a new genus, *Paramelanorhopala* Knudson & Henry, and an unidentified species of *Hesperotingis*.

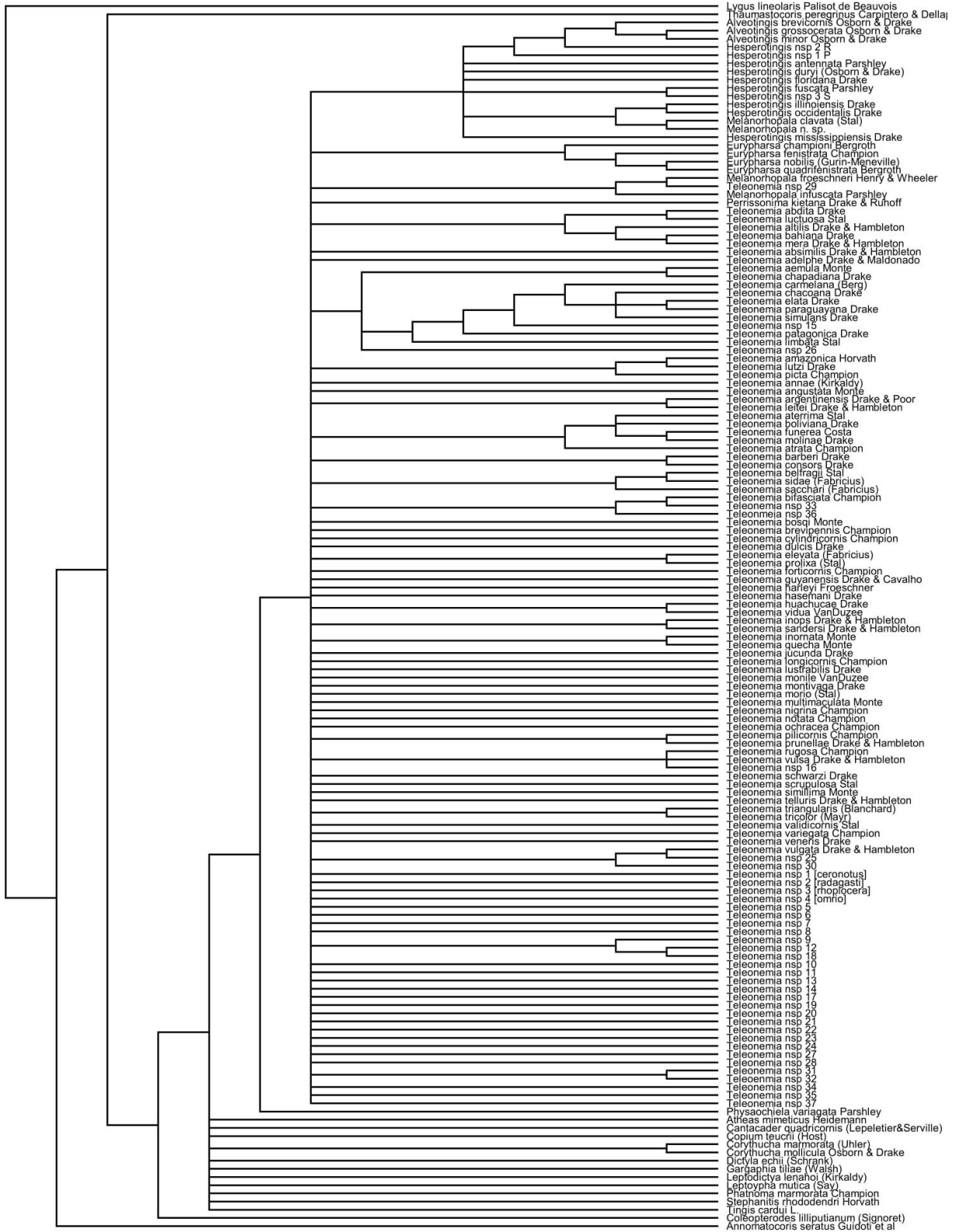


Figure 1.3. Resulting strict consensus of 500 random replications with one starting tree per replication.

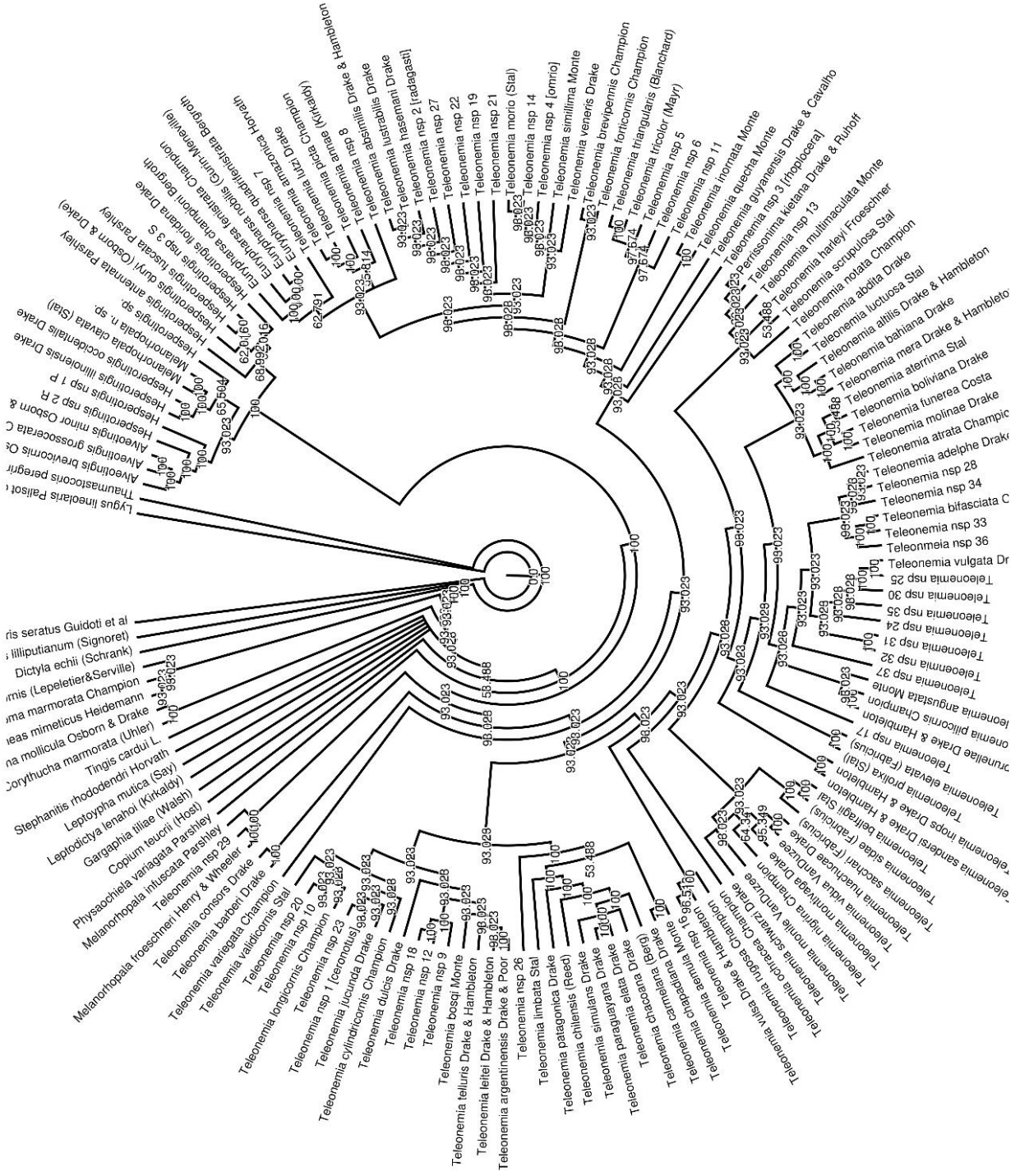


Figure 1.4. Resulting 50% majority rule consensus of 500 random replications with one starting tree per replication. Numbers at nodes indicates percent recovery of node during 500 random replications. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.

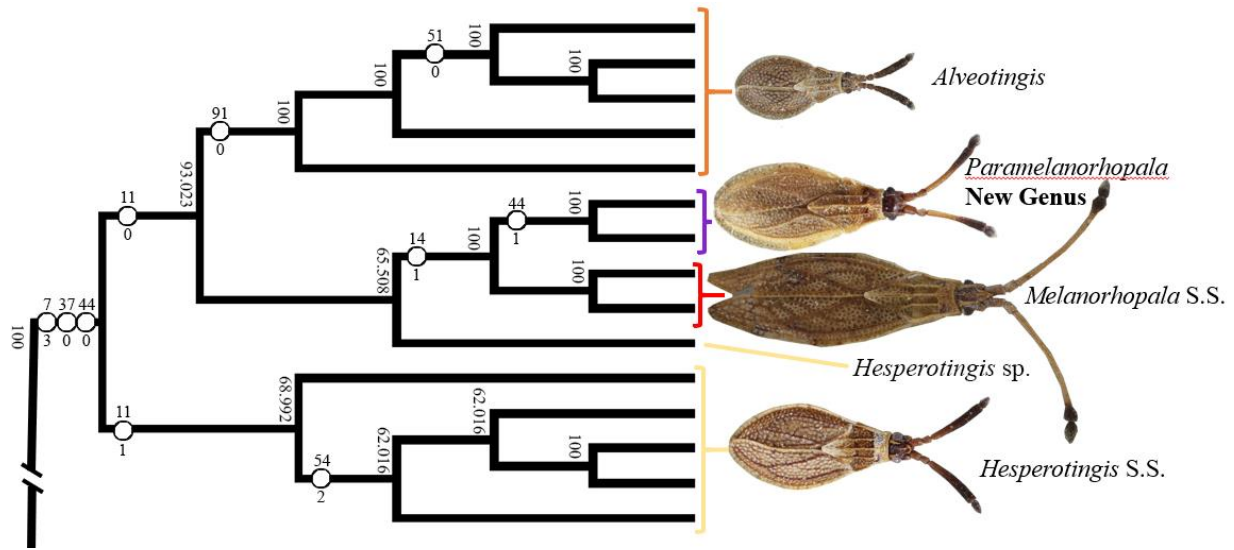


Figure 1.5. *Alveotingis*, *Hesperotingis*, and *Melanorhopala* [HAM] clade. Genera are designated by brackets and are as follows: *Alveotingis*: orange; *Hesperotingis*: gold; *Melanorhopala*: red; and *Paramelanorhopala* New Genus: purple. Fracture at base continues to *Teleonemia* sensu lato on figure 1.6. Numbers above circles refer to character number, numbers below circles indicate character state. Numbers at nodes indicates percent recovery of node from 500 random replications.

Hesperotingis sensu lato is paraphyletic and bisected by *Melanorhopala*. The core *Hesperotingis* sensu stricto is the basal portion of and sister to the rest of the *HAM* clade (Figure 1.4). One unidentified species of *Hesperotingis* is sister to *Melanorhopala* sensu stricto and a new genus, *Paramelanorhopala*, described herein, which includes the type species, *Hesperotingis occidentalis* Drake, and *Hesperotingis illinoiensis* Drake. *Melanorhopala* is paraphyletic with two distinct clades. The first clade, *Melanorhopala* sensu stricto includes the type species *M. clavata* (Stål) and an undescribed species from western North America. The second clade represents the aforementioned unnamed new genus Henry, that is comprised of taxa from *Melanorhopala* and *Teleonemia*.

Eurypharsa was recovered as monophyletic, but the analysis did not include two species, *E. farouki* Silva and *E. phyllophila* Drake. *Eurypharsa* falls within a section of *Teleonemia* sensu

lato but its placement was recovered in 63% of the most parsimonious trees. Additional analyses (Figs. A.7.2 & A.8.2) placed *Eurypharsa* sister to *Teleonemia guyanensis* Drake & Carvalho, near the base of the generic complex.

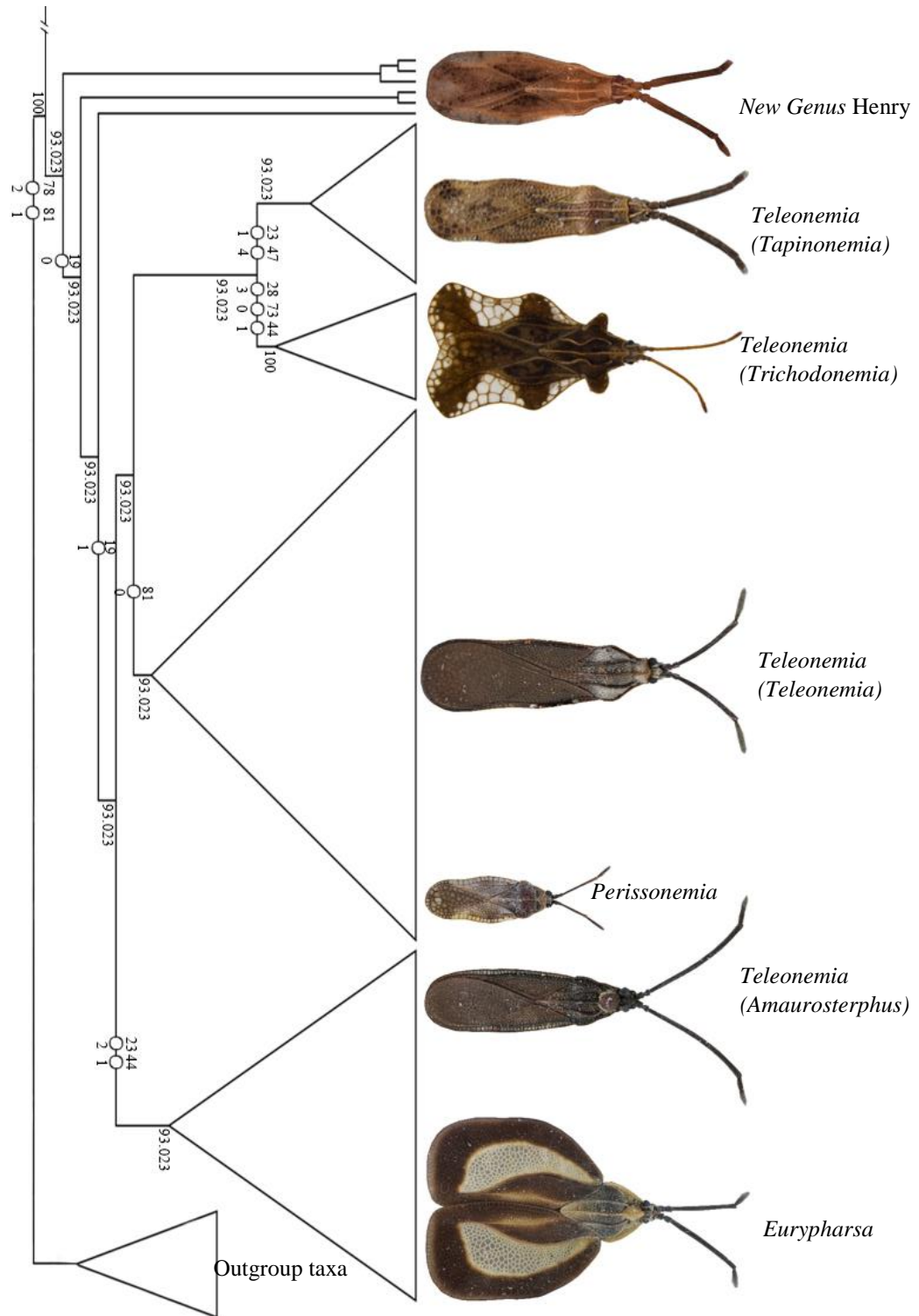


Figure 1.6. *Teleonemia* and related new genus Henry. Each subgeneric clade has been transformed to triangles. See figure 1.3 For specific phylogenetic relationships within subgenera. Fracture at base continues to *HAM* clade on figure 1.5. Numbers above circles refer to character number, numbers below circles indicate character state. Numbers at nodes indicates percent recovery of node from 500 random replications.

Teleonemia sensu lato is polyphyletic and separated by species of *Eurypharsa*, *Melanorhopala*, and *Perissonemia kietana* Drake and Poor. *Teleonemia* is represented by five major clades; the new unnamed genus Henry, two new subgenera described herein, the nominate subgenus, and a new interpretation of *Amaurosterphus* Stål (Figure 1.5). The resurrection of *Amaurosterphus* is necessary because of the polyphyly of *Teleonemia*, however its morphological concept is vastly expanded herein to accommodate related taxa.

***Teleonemia* Costa Generic Complex**

Diagnosis. Species of the *Teleonemia* generic complex are tan to brown or blackish in color. Head with five cephalic spines and vertex of head punctate. The antenniferous tubercles are broad and rounded apically. The antennae are setose, with the pedicel shortest and basiflagellomere the longest segments of the antennae, respectively. The distiflagellomeres are moderately elongate and weakly clavate to obclavate. The paranota have two to five rows of areolae, but the basal row is always explanate with minute areolae and the lateral margin beyond the basal row is reflexed vertically and occasionally adpressed against the lateral margin of the pronotum. Pronotum with three longitudinal carinae, lateral carinae are always uniseriate and median carina is uniseriate to biseriate near middle. Coxae with dense setae or minute pubescence at least on mesal margins. Ostiolar peritremes are well developed and occasionally reach the base of each hypocostal area. The subcostal area of each hemelytra with one to four rows of areolae. Abdomen ovate to elongate and usually widest near middle. The pygophore with two basal depressions and parameres broadly curved, left and right parameres usually similarly shaped, but right paramere is occasionally larger. Female gonocoxae are similar to other

Tingidae genera, but some members of *Teleonemia* sensu lato may have raised bumps, tubercles or projections on their 8th lateral tergites.

Included genera

A key to the genera and subgenera of the *Teleonemia* Costa generic complex

- 1. Basiflagellomeres increasing in diameter throughout length 2
 - Basiflagellomeres not increasing in diameter throughout length, occasionally clavate at apex or base..... 3
- 2. Paired frontal spines strongly uncinata; R+M and cubitus veins strongly developed in brachypterous individuals *Hesperotingis* Parshley
 - Paired frontal spines incurved, not strongly uncinata; R+M and cubitus veins usually appearing absent in brachypterous individuals and weakly developed in macropterous individuals.....*Alveotingis* Osborn & Drake
- 3. Each basiflagellomere bicolored, clavate at apex, even weakly..... 4
 - Each basiflagellomere unicolorous, not clavate at apex, slightly enlarged for distiflagellomere attachment, base of basiflagellomere may be clavate or thickened near base..... 5
- 4. Costal areas of hemelytra uniseriate; apices of sutural areas acuminate in brachypterous individuals *Melanorhopala* Stål
 - Costal areas of hemelytra with more than one row of areolae; apices of sutural areas rounded in brachypterous individuals
.....*Paramelanorhopala* Knudson & Henry **New Genus**

5. Basiflagellomere distinctly narrowed near apex, may be weakly clavate near base, but cylindrical *New Genus* Henry
- Basiflagellomere, if narrowed near apex and clavate near base, not uniformly cylindrical, curved or excavate in ventral margin near base, otherwise uniform in thickness throughout 6
6. Costal areas of hemelytra in part with eight or more rows of areolae .. *Eurypharsa* Stål
- Costal areas of hemelytra with fewer than eight rows of areolae 7
7. Antennae sparsely setose; pronotal carinae and dorsal surface of costal areas of hemelytra with elongate slender setae;
..... *Teleonemia (Trichodonemia)* Knudson) **New Subgenus**
- Antennae usually densely setose, but occasionally setae may be sparse; pronotal carinae and dorsal surfaces of costal areas of hemelytra glabrous or with stout thickened setae, never with elongate, slender setae 8
8. Pronotal hood usually v shaped, not rounded in lateral view; lateral margin of costa sinusoidal, or rounded laterad near apical fourth; dorsal margin of each ostiolar peritreme terminating far from base of hypocostal area
..... *Teleonemia (Teleonemia)* Costa
- Pronotal hood may be v-shaped, but lateral margin of costa either mostly straight or broadly rounded; dorsal margin of each ostiolar peritreme nearly touching or touching base of hypocostal area 9

9. General color light brown variegated with darker brown markings; pronotal hood always only slightly elevated*Teleonemia* (*Tapinonemia* Knudson) **New Subgenus**
- General color dark-brown or black, never variegated in color, but occasionally light-brown on costal areas; pronotal hood variable, but usually tumid, at times nearly as elevated as pronotal disc*Teleonemia* (*Amaurosterphus* Stål) **Reinstated Status**

***Alveotingis* Osborn & Drake, 1916**

(Fig. 1.7)

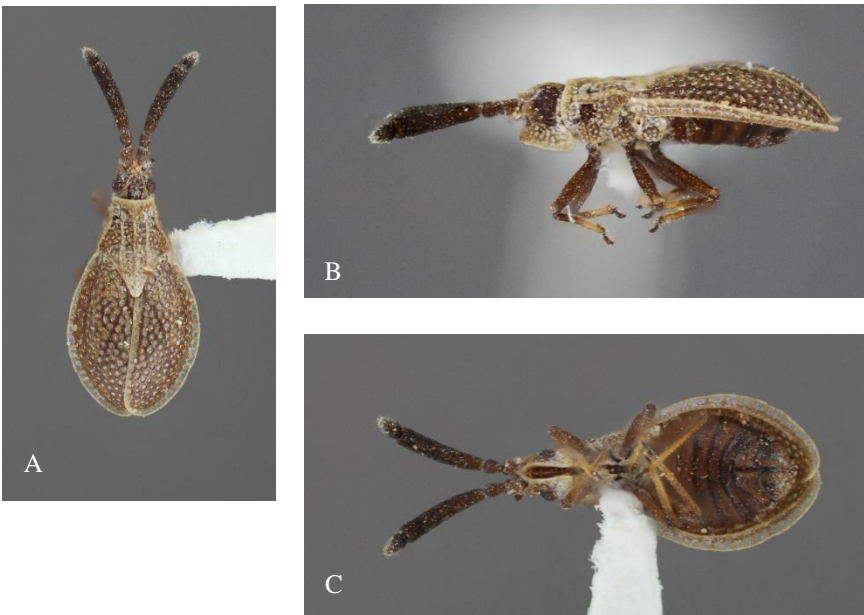


Figure 1.7. *Alveotingis grossocerata* Osborn & Drake, type species of *Alveotingis*. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Alveotingis grossocerata* Osborn & Drake, 1916 by original designation and monotypy.

Diagnosis. Most species are separated from related genera by the extremely clavate basiflagellomeres, by the paired frontal spines that are only slightly incurved at base, but not

uncinate and by the weakly developed R+M and cubitus veins. The two new species described in chapter two, *A. pentax* and *A. rileyorum*, differ by the more slender antennae, occasionally reduced cephalic spines, and the strongly raised R+M and cubitus veins.

Redescription. Dark chocolate brown to shining gray-brown. Occipital spines moderately elongate, surpassing anterior margins of eyes, subparallel to converging; medial spine shorter than occipital spines, downcurved, adpressed to head; paired frontal spines weakly uncinata and strongly incurved. Antenniferous tubercles stout; antennal ocular space moderately elongate, as long as width of eye. Each scape one and one-third as long as width of eye; each pedicel three-quarters length of scape; each basiflagellomere stout throughout its length, widest near apex, short, three times as long as scape, with dense rows of darker colored, stout, curved setae; each distiflagellomere obclavate, subequal in length with scape. Bucculae contiguous apically with two to three rows of areolae, produced slightly apically in lateral view; rostrum extending to middle of mesosternum. Pronotal hood only slightly elevated, truncate apically, not covering base of head; paranota reflexed upwards, adpressed against pronotum, widest opposite calli, with basal row of minute areolae and one row of larger areolae; lateral pronotal carinae uniseriate with short, elongate areolae, with minute pubescence, subparallel in dorsal view; median carina subequal in height with lateral carinae, uniseriate. Legs tan to brown, tibiae lighter tan on apical half; tarsi contrastingly infusate. Ostiolar peritreme ovate, each nearly reaching base of hypocostal area. Hemelytra ovate in brachypterous individuals, obovate in macropterous individuals; each hypocostal area uniseriate; costal areas uniseriate, areolae quadrate to rectangular, hyaline; R+M and cubitus veins indistinct in brachypterous forms and weakly developed in macropterous individuals (except *Alveotingis* new species one and two); subcostal-discoidal-sutural areas with six to eight rows of areolae at widest, areolae uniform in size in

brachypterous individuals, increasing in size near middle in macropterous specimens, many areolae bordered with one to four minute, stout, downcurved setae. Abdomen red-brown, ovate, widest near middle.

Included species.

Alveotingis brevicornis Osborn & Drake 1917

Alveotingis grossocerata Osborn & Drake 1916

Alveotingis minor Osborn & Drake 1917

Alveotingis pantex new species one

Alveotingis rileyorum new species two

Comments. The inclusion of the two new species mentioned above necessitate amending the generic description to include species that have well developed R+M and cubitus veins in brachypterous individuals. The two basal species included in *Alveotingis* have narrow and elongate discoidal areas of their hemelytra, which differs from the three other species which have triangular discoidal areas that are five to six areolae at widest.

New Genus Henry

(Fig. 1.8)



Figure 1.8. *Melanorhopala froeschneri* Henry & Wheeler, type species of new genus. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Melanorhopala froeschneri* Henry & Wheeler 1986.

Diagnosis. Separated from *Teleonemia* and *Melanorhopala* by the elongate rostrum that reaches the abdomen, by the basiflagellomeres which are weakly clavate near their bases and narrowed near their apices, and by the distiflagellomeres which are elongate, ovate, or spindle-shaped.

Description. Tannish brown to cinereous. Occipital spines variable in length, ranging from surpassing anterior margins of eyes to surpassing bases of paired frontal spines, subparallel to weakly convergent; medial spine two-thirds to subequal in length of occipital spines, porrect; paired frontal spines incurved. Antenniferous tubercles stout; antennal ocular space moderately elongate, one and one-quarter to one and one-third times as long as width of eye. Each scape one to one and one-third times as long as width of eye; each pedicel three-quarters length of scape; each basiflagellomere stout near basal quarter, then narrowed throughout length towards apical third, slightly expanded near apex, moderately elongate, four and one-half to ten times as long as scape, with dense rows of darker concolorous, stout, curved setae; each distiflagellomere ovate, one and one quarter to two times longer than length of scape. Bucculae not completely contiguous apically with two to three rows of areolae, produced slightly apically but appearing truncate near apex in lateral view; rostrum extending to first or second abdominal sternite. Pronotal hood only slightly elevated, not truncate apically, not covering base of head; paranota reflexed upwards, adpressed against pronotum, widest opposite calli, with basal row of minute areolae and one row of larger areolae; lateral pronotal carinae uniseriate with short, elongate areolae, with minute pubescence, weakly divergent posteriorly in dorsal view; median carina subequal in height with lateral carinae, uniseriate. Legs light-brown to gray-brown, tibiae concolorous to somewhat lighter than femora; tarsi contrastingly infusate. Ostiolar peritremes ovate to obovate, each reaching base of hypocostal area. Hemelytra ovate; each hypocostal area

uniseriate; costal areas uniseriate on basal half sometimes biseriate beyond middle, areolae rectangular to trapezoidal, hyaline, veins variegated with dark brown; R+M and cubitus veins distinct regardless of wing formation; subcostal area with two rows of areolae; discoidal areas weakly sinusoidal with five to six rows of areolae at widest, several areolae bordered with one or more minute, stout, downcurved setae; sutural areas with seven to ten rows of areolae at widest, areolae increasing in size beyond basal third towards apex. Abdomen red-brown, ovate, widest near middle.

Included species.

Melanorhopala froeschneri Henry & Wheeler 1986

Melanorhopala infuscata Parshley 1917

Teleonemia barberi Drake 1918

Teleonemia consors Drake 1918

Teleonemia *New species* 29

Teleonemia variegata Champion 1898a

Comments. The apically narrowed basiflagellomeres are not as easily seen in females of the type species and several other included species. See the species accounts in chapter two for detailed discussions on sexual dimorphism. Based on the analysis presented in figure 1.3, this genus may represent several genera at the base of the *Teleonemia* generic complex. However, several additional analyses grouped these species together in one clade (*e.g.* figs. A.6.2 and A.7.2).

Hesperotingis Parshley 1917

(Fig. 1.9)

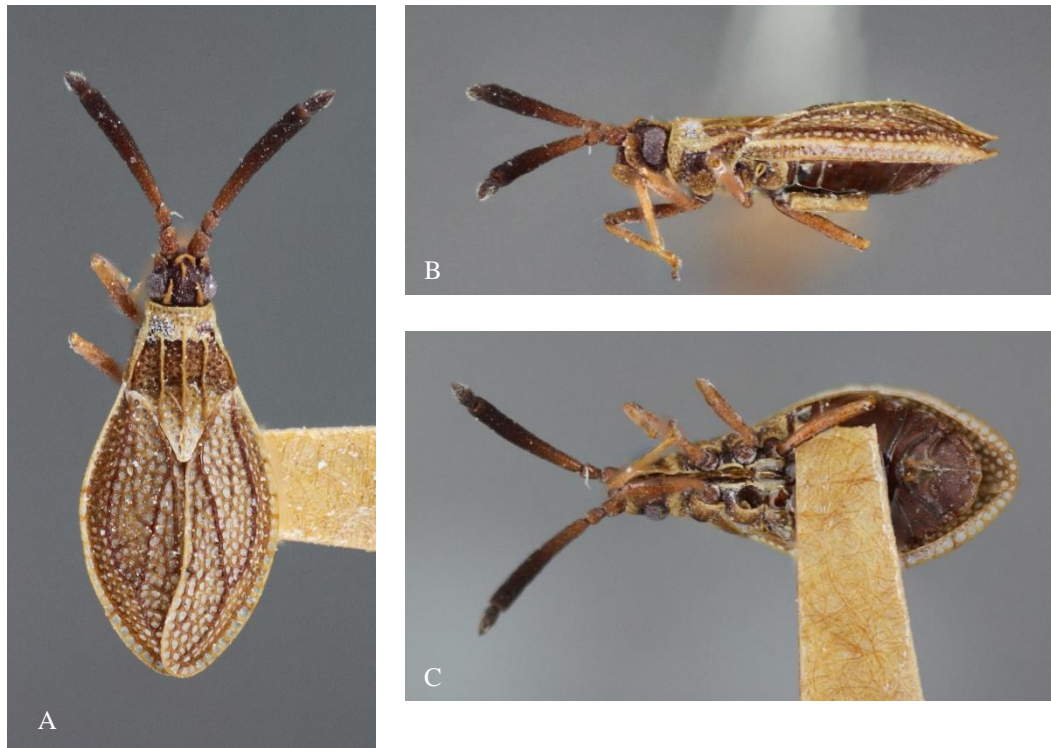


Figure 1.9. *Hesperotingis antennata* Parshley, type species of *Hesperotingis*. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Hesperotingis antennata* Parshley, 1917, by original designation.

Diagnosis. Easily separated from related genera by the thickened antennal segments that gradually expand towards apex, and by the strongly uncinuate paired frontal spines.

Redescription. Tannish brown to dark-brown. Occipital spines variable in length, ranging from surpassing middle of eyes to surpassing anterior margins of eyes, sub-parallel to weakly converging apically; medial spine subequal in length of occipital spines, downcurved, adpressed to head (porrect in an unidentified species of *Hesperotingis*); paired frontal spines strongly uncinuate and incurved. Antenniferous tubercles stout; antennal ocular space moderately

elongate, one and one-quarter to one and one-half as long as width of eye. Each scape one and one-half as long as width of eye; each pedicel three-quarters length of scape; each basiflagellomere stout throughout its length, widest near apex, moderately elongate, five to six times as long as scape, with dense rows of darker colored, stout, curved setae, apical half darker infuscate; each distiflagellomere obclavate, subequal to slightly longer than length of scape. Bucculae contiguous apically with two to three rows of areolae, produced slightly apically but appearing truncate near apex in lateral view; rostrum extending to metacoxae or onto first abdominal segment. Pronotal hood only slightly elevated, weakly truncate apically, not covering base of head; paranota reflexed upwards, adpressed against pronotum, widest opposite calli, with basal row of minute areolae and one row of larger areolae; lateral pronotal carinae subparallel in dorsal view, uniseriate with short, elongate areolae, with minute pubescence,; median carina subequal in height with lateral carinae, uniseriate. Legs tan to brown, tibiae concolorous or somewhat paler than femora; tarsi contrastingly infuscate. Ostiolar peritremes ovate to obovate, each nearly reaching or reaching base of hypocostal area. Hemelytra ovate in brachypterous individuals, obovate in macropterous individuals; each hypocostal area uniseriate; costal areas uniseriate, areolae quadrate to rectangular, hyaline; R+M and cubitus veins distinct regardless of wing formation; subcostal area with two to three rows of areolae; discoidal areas weakly sinusoidal with four to six rows of areolae at widest, several areolae bordered with one or more minute, stout, downcurved setae; sutural areas areolae uniform in size in brachypterous individuals, increasing in size near middle in macropterous specimens. Abdomen red-brown, ovate, widest near middle.

Included species.

Hesperotingis antennata Parshley 1917

Hesperotingis duryi (Osborn & Drake 1916)

Hesperotingis floridana Drake 1928

Hesperotingis fuscata Parshley 1917

Hesperotingis scudderi Knudson **new species**

Comments. Species of *Hesperotingis* exhibit morphological variation and sexual dimorphism, but this is difficult to observe due to few numbers of individuals collected during any collection event. *Hesperotingis antennata* can have macropterous to brachypterous males and females. More discussion regarding morphological variation is detailed in chapter two under individual species accounts. An unidentified species of *Hesperotingis* is tentatively placed in this genus due to the morphology that this species shares with other *Hesperotingis* species. More work is needed to determine the phylogenetic placement of this species.

***Melanorhopala* Stål 1873**

(Fig. 1.10)



Figure 1.10. *Melanorhopala clavata* (Stål), type species of *Melanorhopala* Stål. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Tingis (Melanorhopala) clavata* Stål, 1873 by subsequent designation (Van Duzee 1916).

Diagnosis. Easily separated from other related genera, by the extremely elongate and curved basiflagellomeres that are weakly clavate in males and strongly clavate in females. Also diagnostic are the uniseriate costal areas of the hemelytra and acuminate sutural areas of the hemelytra at each apex of hemelytra in brachypterous individuals.

Redescription. Tan to tan brown species. Occipital spines variable in length, surpassing anterior margins of eyes, subparallel to divergent; medial spine two-thirds to three-quarters the length of occipital spines, porrect; paired frontal spines weakly incurved, stout. Antenniferous tubercles stout; antennal ocular space moderately elongate, one and one-quarter to one and one-half as long as width of eye. Each scape two or more times as long as width of eye; each pedicel three-quarters length of scape; each basiflagellomere slender throughout much of its length, widest near apex, there weakly clavate in males, strongly clavate in females, elongate, seven to eight times as long as scape, with rows of lighter colored, slender, curved setae, the apical fifth or less, darker infusate; each distiflagellomere obclavate, one to one and one half as long as scape. Bucculae contiguous apically with two to three rows of areolae, produced anteriorly beyond head in lateral view; rostrum extending to mesocoxae. Pronotal hood extremely low, weakly truncate apically, not covering base of head; paranota reflexed upwards, subvertical to adpressed against pronotum, widest opposite calli, with basal row of minute areolae and one row of larger areolae; lateral pronotal carinae uniseriate with short, elongate areolae, weakly constricted near middle in brachypterous individuals and weakly divergent posteriorly in macropterous specimens in dorsal view; median carina subequal in height with lateral carinae,

uniseriate. Legs tannish-brown, tibiae concolorous to somewhat lighter in color than femora; tarsi contrastingly infusate. Ostiolar peritremes ovate, each nearly reaching or reaching base of hypocostal area. Hemelytra lanceolate in brachypterous individuals, ovate in macropterous individuals; each hypocostal area uniseriate; areolae tall and rectangular, hyaline; costal areas uniseriate, areolae hyaline; subcostal area with two rows of areolae; R+M and cubitus veins distinct regardless of wing formation; discoidal areas weakly sinusoidal with five to six rows of areolae at widest, several areolae bordered with one or more minute, stout, downcurved setae; sutural areas with seven to eight rows of areolae at widest, areolae increasing in size beyond middle. Abdomen brown, ovate, widest near middle.

Included species.

Melanorhopala clavata (Stål 1873)

Melanorhopala new species Henry

Comments. Both included species of *Melanorhopala* exhibit sexual dimorphism. Male specimens are typically not as wide or robust and their basiflagellomeres are not as strongly clavate near apex. Additionally, both sexes can be brachypterous or macropterous, but brachypterous forms are most commonly collected.

***Paramelanorhopala* Knudson & Henry [New Genus]**

(Fig. 1.11)



Figure 1.11. *Hesperotingis occidentalis* Drake, type species of *Paramelanorhopala* Knudson & Henry New genus. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Hesperotingis occidentalis* Drake, 1922, by present designation.

Diagnosis. Easily separated from other related genera, by the elongate and curved basiflagellomeres that are weakly clavate near apex. Also separated by the costal areas of the hemelytra with two to three rows of areolae and the broad sutural areas of the hemelytra at apex of brachypterous individuals.

Description. Tan to tannish-brown. Occipital spines variable in length, surpassing anterior margins of eyes, subparallel to weakly divergent; medial spine one-half to three-quarters the length of occipital spines, porrect to adpressed to head; paired frontal spines incurved, stout, spinose. Antenniferous tubercles stout; antennal ocular space moderately elongate, one to one and one-quarter times as long as width of eye. Each scape two times as long as width of eye; each pedicel one-half to three-quarters length of scape; each basiflagellomere tannish-brown, slender on basal half, then gradually darker infusate and dilated towards apex, widest near apex, four and one-half times as long as scape; each distiflagellomere ovate to weakly obclavate, subequal in length to scape. Bucculae contiguous apically with three rows of areolae, produced anteriorly beyond apex of head in lateral view; rostrum extending to mesocoxae. Pronotal hood only slightly elevated, weakly truncate apically, not covering base of head; paranota reflexed upwards, subvertical to adpressed against pronotum, widest opposite calli, with basal row of minute areolae and one row of larger areolae; lateral pronotal carinae uniseriate with short, rounded areolae, weakly divergent posteriorly in dorsal view; median carina twice as elevated as lateral carinae, uniseriate. Legs brown, tibiae concolorous with femora; tarsi contrastingly infusate. Ostiolar peritremes narrow, each elongate to obovate, reaching base of hypocostal area. Hemelytra ovate; each hypocostal area uniseriate, areolae rectangular; costal areas bi-to triseriate beyond middle, hyaline; subcostal areas with two rows of areolae; R+M and cubitus veins distinct regardless of wing formation; discoidal areas weakly sinusoidal with five to seven

rows of areolae at widest, few areolae bordered with one or multiple minute, stout, downcurved setae; sutural areas with eight to ten rows of areolae at widest, areolae increasing in size beyond basal third. Abdomen brown, ovate, widest near middle.

Included species.

Hesperotingis illinoensis Drake 1918

Hesperotingis occidentalis Drake 1922

Comments. Similar to *Melanorhopala*, species of *Paramelanorhopala* exhibit sexual dimorphism. Male specimens are typically not as wide or robust and their basiflagellomeres are not as strongly clavate near apex. Additionally, both sexes can be brachypterous or macropterous, but brachypterous forms are most commonly collected.

***Eurypharsa* Stål 1873 [*Incertae sedis*]**

(Fig. 1.12)



Figure 1.12. *Eurypharsa nobilis* (Guérin-Méneville), type species of *Eurypharsa* Stål **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species: *Tingis nobilis* Guerin-Méneville 1844 = *Tingis circumdata* Blanchard
1842

Diagnosis. *Eurypharsa* can easily be separated from all other genera by the presence of long cephalic spines, the dorsally reflexed multi-seriate paranota, by the broadly expanded costal areas of the hemelytra with more than eight rows of areolae at widest, and by the elongate sutural areas that are similar in width throughout length.

Redescription. Brown to black and yellow. Occipital spines variable in length, reaching or surpassing bases of paired frontal spines, subparallel to weakly divergent; medial spine subequal in length to one and one-half times as long as occipital spines, porrect to adpressed to dorsal surface of paired frontal spines; paired frontal spines strongly incurved near base, then contiguous and parallel beyond middle, slender, tuberculate. Antenniferous tubercles stout; antennal ocular space short, subequal in length as width of eye. Each scape one and one-fourth to one and one-half times as long as width of eye; each pedicel two-thirds to three-quarters length of scape; each basiflagellomere, nine to eleven times as long as scape; each distiflagellomere weakly clavate on apical third, one and one-half to two times as long as scape. Bucculae contiguous apically with three to four rows of areolae, truncate apically, weakly produced beyond apex of head in lateral view; rostrum extending to mesocoxae or middle of metasternum. Pronotal hood moderately tumid, v-shaped, rounded dorsally in lateral view, covering base of head, subequal in height to height of pronotal disc; paranota reflexed upwards (adpressed near middle in *E. championi*), widest opposite calli, with basal row of minute areolae and one to three rows of larger areolae; lateral pronotal carinae uniseriate with short, rounded areolae, subparallel in dorsal view; median carina one and one-half to two times as elevated as lateral carinae, uniseriate. Legs brown, tibiae lighter in color than femora; tarsi concolorous with tibiae.

Ostiolar peritremes obovate, each reaching base of hypocostal area. Hemelytra broad, appearing rectangular, but rounded; each hypocostal area uniseriate, areolae rectangular; costal areas with ten to eighteen rows or areolae, lateral margins in part fuscous brown or blackish (interrupted in *E. championi* and *E. phyllophila*); subcostal areas with one to two rows of areolae; R+M and cubitus veins distinct regardless of wing formation; discoidal areas weakly sinusoidal with six to ten rows of areolae at widest; sutural areas elliptical, with five to six rows of areolae at widest, areolae increasing in size beyond basal two-thirds; Abdomen brown to blackish-brown, ovate, widest near middle.

Included species.

Eurypharsa championi Bergroth 1922

Eurypharsa farouki Silva 1956

Eurypharsa fenestrata Champion 1898a

Eurypharsa nobilis (Guérin-Ménéville 1844)

Eurypharsa phyllophila Drake 1922

Eurypharsa quadrifenestrata Bergroth 1898

Comments. Species of the genus *Eurypharsa* do not exhibit striking sexual dimorphism, but females are typically larger than males. The biology of all species is unknown or poorly understood, except that Silva (1956) recorded *E. farouki* from a type of vine.

***Teleonemia* Costa 1864**

Teleonemia aemula Monte 1942 Incertae sedis

Teleonemia chapadiana Drake 1922 Incertae sedis

Teleonemia lustrabilis Drake 1953 Incertae sedis

Teleonemia new species 13 Incertae sedis

Teleonemia new species 26 Incertae sedis

Comments. The five species listed above fall within *Teleonemia* sensu lato, but their current systematic placement is uncertain and not easily assigned to a subgenus or species group based on each species unique morphologies. *Teleonemia aemula* and *T. chapadiana* fell sister to *Teleonemia (Trichodonemia)* **New Subgenus**, but differ considerably by their clavate distiflagellomeres, the slightly elevated median carina, by the uniformly rounded and not sinusoidal costal veins of each hemelytron, and by the lack of elongate, slender hairs. *Teleonemia lustrabilis* looks superficially similar to *Teleonemia (Trichodonemia)*, but is much darker than all other included species and differs by the thicker, curved setae present on the paranota. The two new species mentioned above are detailed in chapter two.

***Teleonemia (Amaurosterphus) Stål* [Revised Status]**

Tingis (Amaurosterphus) Stål 1868: 92.

Teleonemia (Amaurosterphus): Stål 1873: 131.

Tingis (Americia) Stål 1873: 131. [**New Synonymy**]

(Fig. 1.13)



Figure 1.13. *Teleonemia (Amaurosterphus) morio* (Stål), type species of *Amaurosterphus* Stål. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Teleonemia (Amaurosterphus) morio* (Stål), by subsequent designation (Van Duzee 1917).

Diagnosis. Dark colored, dark-brown to blackish, or bicolored species with occasional yellowish markings. Rostrum moderately elongate, usually reaching metacoxae or onto abdomen. Dorsal margin of hood rounded or angulate near apex in dorsal view, but distinctly tumid. Ostiolar peritremes lanceolate shaped, dorsal margins nearly reaching or reaching hypocostal areas.

Redescription. Dark brown or black species. Occipital spines variable in length, moderately long, surpassing base of medial spine to reaching bases of paired frontal spines, convergent; medial spine one-half to two-thirds length of occipital spines, erect or porrect; paired frontal spines incurved, tuberculate, erect. Antenniferous tubercles stout; antennal ocular space narrower than or subequal in length to width of eye. Each scape subequal to one and one-third times as long as width of eye; each pedicel two-thirds to three-quarters length of scape; each basiflagellomere six to eleven times as long as scape; each distiflagellomere weakly clavate near middle or beyond apical third, two and one-half to three times as long as scape. Bucculae contiguous apically with two to four rows of areolae, truncate on apical-ventral margin, sometimes weakly produced beyond apex of head in lateral view; rostrum variable in length extending to mesocoxae or onto abdomen. Pronotal hood variable, usually produced into a small tumid hood, dorsal margin distinctly rounded flat or angled in lateral view, covering base of head, usually subequal in height or more elevated more elevated than pronotal disc; paranota reflexed upwards and adpressed against lateral sides of pronotum, or not adpressed, widest opposite calli, with basal row of minute areolae and one to several additional rows of larger areolae; lateral pronotal carinae uniseriate with short, ovate areolae, sub-parallel in dorsal view,

occasionally divergent posteriorly; median carina subequal to more than two times as tall as lateral carinae, uniseriate with similar or tall rectangular areolae. Legs brown to blackish, tibiae concolorous with femora; tarsi concolorous or darker infusate than tibiae. Ostiolar peritremes ovate to obovate, each dorsal margin ending near hypocostal area or distinctly touching hypocostal area. Hemelytra narrow to weakly broadened, appearing straight or broadly rounded; each hypocostal area uniseriate, areolae rectangular; costal areas with one to seven rows of areolae at widest, hyaline, usually infusate on apical third, sometimes with additional fuscous band near middle; subcostal areas with one to four or more rows of areolae; R+M and cubitus veins usually distinct regardless of wing formation (cubitus weakly developed in *T. annae* and *T. tricolor*); discoidal areas weakly sinusoidal with four to eight rows of areolae at widest; sutural areas tear dropped shaped, with six to ten rows of areolae at widest, areolae increasing in size beyond basal two-thirds; Abdomen red-brown to blackish-brown, elongate, ovate, widest near middle.

Included species.

Teleonemia absimilis Drake & Hambleton 1944

Teleonemia amazonica Horváth 1925

Teleonemia annae (Kirkaldy 1905)

Teleonemia atriflava Monte 1943b

Teleoneima bierigi Monte 1943c

Teleonemia brevipennis Champion 1898

Teleonemia bondari Monte 1943c

Teleonemia forticornis Champion 1898b

Teleonemia guyanensis Drake & Carvalho 1944

Teleonemia hasemani Drake 1922
Teleonemia inornata Monte 1941
Teleonemia jubata Drake & Hambleton 1939
Teleonemia lutzi Drake 1941
Teleonemia morio (Stål 1855)
Teleonemia picta Champion 1898a
Teleonemia quechua Monte 1943a
Teleonemia ruthae Monte 1942
Teleonemia simillima Monte 1941
Teleonemia triangularis (Blanchard 1842)
Teleonemia tricolor (Mayr 1865)
Teleonemia new species 2
Teleonemia new species 3
Teleonemia new species 4
Teleonemia new species 5
Teleonemia new species 6
Teleonemia new species 7
Teleonemia new species 8
Teleonemia new species 11
Teleonemia new species 14
Teleonemia new species 19
Teleonemia new species 21
Teleonemia new species 22

Teleonemia new species 27

Comments. The generic concept of *Amaurosterphus* is broadly expanded to include species with shorter rostra that reach the end of the thorax, but do not extend onto the abdomen and also have broad costal areas of the hemelytra, like species *T. annae*, *T. tricolor*, and *T. triangularis*.

***Teleonemia* (*Tapinonemia* Knudson) [New subgenus]**

(Fig. 1.14)



Figure 1.14. *Teleonemia (Tapinonemia) validicornis* Stål, type species of *Teleonemia (Tapinonemia)* Knudson new subgenus. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species. *Teleonemia validicornis* Stål 1873, by present designation.

Diagnosis. Species are typically lighter brown in color with variegated darker brown markings. Hood always only slightly elevated, at times appearing truncate apically.

Description. Tan to variegated light-brown species. Occipital spines variable in length, moderately elongate, apices surpassing base of medial spine and usually reaching bases of paired frontal spines, weakly to strongly incurved (occasionally subparallel); medial spine two-thirds to subequal in length as occipital spines, porrect to adpressed to head; paired frontal spines strongly incurved, apices usually touching, spinose to tuberculate, erect. Antenniferous tubercles stout, antennal ocular space subequal in length to two times width of eye. Each scape one and one-quarter to one and one-third times as long as width of eye; each pedicel two-thirds to three-quarters the length of scape; each basiflagellomere, six to eight times as long as scape; each distiflagellomere weakly clavate at or beyond middle, two to two and one-half times as long as scape. Bucculae contiguous apically with three rows of areolae, truncate apically, not produced beyond apex of head in lateral view; rostrum variable in length extending to mesocoxae to abdomen, most extend to metacoxae. Pronotal hood only slightly elevated, only weakly tumid posteriorly, dorsal margin weakly rounded in lateral view, not covering base of head (except *T. bosqi*), less elevated than height of pronotal disc; paranota reflexed upwards and adpressed against lateral sides of pronotum, (occasionally adpressed only near middle), widest opposite calli, with basal row of minute areolae and one additional row of larger areolae; lateral pronotal carinae uniseriate with elongate, rounded areolae, sub-parallel in dorsal view, occasionally divergent posteriorly; median carina subequal to one and one-half times as tall as lateral carinae, uniseriate. Legs, brown to dark-brown, unicolorous, tibiae concolorous with femora; tarsi concolorous or darker infusate than tibiae. Ostiolar peritremes ovate to obovate, dorsal margin of each ending near hypocostal area or touching hypocostal area. Hemelytra narrow, appearing

constricted beyond middle; each hypocostal area uniseriate to biseriate near middle, areolae rectangular; costal areas with one row or areolae, hyaline, occasionally with fuscous band near middle, infusate on apical third; subcostal areas with two rows of areolae (uniseriate in *T. leitei* Drake and Hambleton); R+M and cubitus veins distinct regardless of wing formation; discoidal areas weakly sinusoidal with four to six rows of areolae at widest; sutural areas tear drop shaped, with eight to ten rows of areolae at widest, areolae increasing in size beyond basal two-thirds; Abdomen red-brown to dark-brown, elongate, ovate, widest near middle.

Included species.

Teleonemia argentinensis Drake & Poor 1942

Teleonemia bosqi Monte 1943b

Teleonemia cylindricornis Champion 1898a

Teleonemia dulcis Drake 1939

Teleonemia granulosa Monte 1942

Teleonemia jucunda Drake 1939

Teleonemia leitei Drake & Hambleton 1939

Teleonemia longicornis Champion 1898b

Teleonemia telluris Drake & Hambleton 1939

Teleonemia validicornis Stål 1873

Teleonemia new species 1

Teleonemia new species 9

Teleonemia new species 10

Teleonemia new species 12

Teleonemia new species 18

Teleonemia new species 20

Teleonemia new species 23

Etymology. Named for the less elevated pronotal hood.

Comments. *Teleonemia validicornis* and *T. cylindricornis* are similar to New Genus Henry.

Teleonemia (Teleonemia) Costa, 1864

(Fig. 1.15)



Figure 1.15. *Teleonemia (Teleonemia) funerea* Costa, type species of *Teleonemia* Costa. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Ventral habitus.

Type species: *Teleonemia funerea* Costa, 1864 by monotypy.

Diagnosis. Separated from other subgenera of *Teleonemia* by the combination of the following characters: Rostrum usually not as long as thorax, costal area of hemelytra typically uniseriate and lateral margin sinusoidal, and ostiolar peritremes which dorsal margins terminating before reaching hypocostal areas.

Redescription. Tan to dark-brown or black. Occipital spines variable in length, ranging from extremely short to reaching bases of paired frontal spines, subparallel to convergent; medial spine two-thirds to subequal in length of occipital spines, erect to adpressed to head; paired frontal spines incurved, tuberculate, erect. Antenniferous tubercles stout; antennal ocular space shorter than or subequal in length to width of eye. Each scape subequal to one and one-half times as long as width of eye; each pedicel two-thirds to three-quarters length of scape; each basiflagellomere, two to eleven times as long as scape; each distiflagellomere weakly clavate on apical third, one and one-half to three times as long as scape. Bucculae contiguous apically with two to three rows of areolae, truncate apically, sometimes weakly produced beyond apex of head in lateral view; rostrum variable in length ranging from reaching procoxae to reaching abdomen. Pronotal hood not usually tumid, v-shaped, dorsal margin flat or angled in lateral view, covering base of head, less elevated than height of pronotal disc; paranota reflexed upwards and adpressed against lateral sides of pronotum, (occasionally adpressed only near middle or not adpressed in *Teleonemia scrupulosa* Stål), widest opposite calli, with basal row of minute areolae and one additional row of larger areolae; lateral pronotal carinae uniseriate with short, rounded areolae, sub-parallel in dorsal view, occasionally divergent posteriorly; median carina subequal to two times as tall as lateral carinae, uniseriate. Legs variable in color, brown to annulated light and dark-brown, tibiae lighter in color than femora; tarsi concolorous or darker infuscate than tibiae.

Ostiolar peritremes circular to ovate, each with dorsal margin ending far from base of hypocostal area. Hemelytra narrow, appearing constricted or rounded near apex; each hypocostal area uniseriate, areolae rectangular; costal areas with one row of areolae, hyaline, usually infusate on apical third; subcostal areas with one to two rows of areolae; R+M and cubitus veins distinct regardless of wing formation; discoidal areas weakly sinusoidal with four to six rows of areolae at widest; sutural areas tear drop shaped, with eight to ten rows of areolae at widest, areolae increasing in size beyond basal two-thirds; Abdomen red-brown to blackish-brown, elongate, ovate, widest near middle.

Included species.

Teleonemia abdita Drake 1939

Teleonemia adelphe Drake & Maldonado 1965

Teleonemia altilis Drake & Hambleton 1944

Teleonemia angustata Monte 1943

Teleonemia aterrima Stål 1873

Teleonemia atrata Champion 1898a

Teleonemia bahiana Drake 1942

Teleonemia belfragii Stål 1873

Teleonemia bifasciata Champion 1898a

Teleonemia boliviana Drake 1939

Teleonemia elevata (Fabricius 1803)

Teleonemia funerea Costa 1864

Teleonemia harleyi Froeschner 1970

Teleonemia huachucae Drake 1941

Teleonemia inops Drake & Hambleton 1944
Teleonemia luctuosa (Stål 1858)
Teleonemia mera Drake & Hambleton 1942
Teleonemia molinae Drake 1940
Teleonemia monile Van Duzee 1918
Teleonemia montivaga Drake 1920
Teleonemia multimaculata Monte 1940
Teleonemia nigrina Champion 1898a
Teleonemia notata Champion 1898a
Teleonemia novicia Drake 1920
Teleonemia ochracea Champion 1898a
Teleonemia pilicornis Champion 1898a
Teleonemia prolixa (Stål 1858)
Teleonemia prunellae Drake & Hambleton 1946
Teleonemia rugosa Champion 1898a
Teleonemia sacchari (Fabricius 1794)
Teleonemia sandersi Drake & Hambleton 1944
Teleonemia schildi Drake 1940
Teleonemia schwarzi Drake 1918
Teleonemia scrupulosa Stål 1873
Teleonemia sidae (Fabricius 1794)
Teleonemia syssita Drake & Cobben 1960
Teleonemia teretis Drake 1940

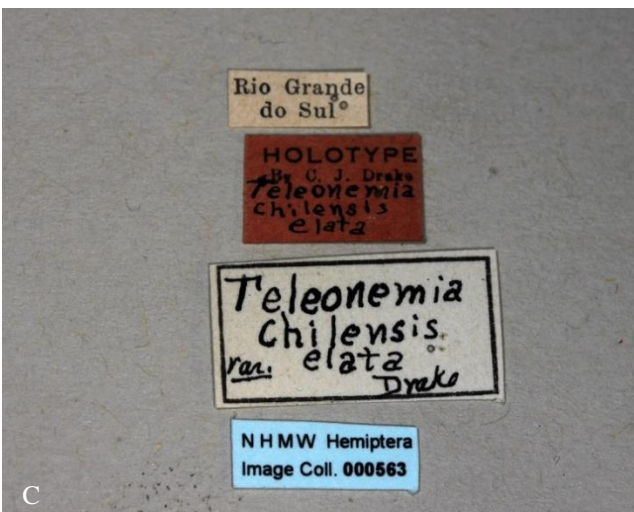
Teleonemia veneris Drake 1939
Teleonemia vidua Van Duzee 1918
Teleonemia vulgata Drake & Hambleton 1940
Teleonemia vulsa Drake & Hambleton 1944
Teleonemia new species 16
Teleonemia new species 17
Teleonemia new species 24
Teleonemia new species 25
Teleonemia new species 28
Teleonemia new species 30
Teleonemia new species 31
Teleonemia new species 32
Teleonemia new species 33
Teleonemia new species 34
Teleonemia new species 35
Teleonemia new species 36
Teleonemia new species 37
Teleonemia new species 38

Comments. Species of the nominate subgenus usually have a shorter rostrum which ends at the mesosternum, but it may be longer in some species like *T. adelphe* and *T. ochracea* (the rostrum reaches the abdomen in these species). There also seems to be a general trend that the included species have less elevated pronotal hoods that are V-shaped, but there are some exceptions to the general trend. Additionally, most species have uniseriate sinusoidal costal areas

on their hemelytra, but a few specie in other subgenera which may be similar. Thus, the only reliable character to separate the nominate subgenus is the smaller ostiolar peritremes which do not extend to near the bases of the hypocostal areas of the hemelytra.

***Teleonemia* (*Trichodonemia* Knudson) [New Subgenus]**

(Fig. 1.16)



Figures 1.16. *Teleonemia* (*Trichodonemia*) *elata* Drake, type species of *Trichodonemia* Knudson new subgenus. **A.** Dorsal habitus. **B.** Lateral habitus. **C.** Type labels.

Type species: *Teleonemia elata* Drake, 1935, by present designation.

Diagnosis. Easily separated from other subgenera of *Teleonemia* by the elongate slender hair-like structures found on the paranota, pronotal carinae, and hemelytra. Also, species of *T.* (*Trichodonemia*) are light-brown with variegated brown markings and the costal areas are at least biseriate to multiseriate and sinusoidal.

Description. Occipital spines moderately elongate, subparallel to diverging, (convergent in *T. carmelana*); medial spine elongate, as long as or longer than occipital spines, porrect to erect; paired frontal spines variable in length and position, usually straight and incurved. Scape nearly twice as long as width of eye, pedicel one-half to three-quarters length of scape; basiflagellomere elongate, more than five times as long as scape, with several rows of darker colored setae. distiflagellomere wide, infusate on apical third, two times length of scape. Bucculae contiguous apically with three to four rows of areolae, slightly truncate apically in lateral view; rostrum extending to mesocoxae or metacoxae. Pronotal hood moderately tumid, curved in lateral view, produced anteriorly covering base of head; paranota reflexed upwards, not adpressed against pronotum, widest at or beyond humeral angles, with two or more rows of large areolae; lateral pronotal carinae uniseriate with tall quadrate to rectangular areolae, beset with elongate, slender setae, sinusoidal in dorsal view, appearing constricted at base of triangular posterior projection; median carina more elevated than lateral carinae and pronotal hood in lateral view, weakly biseriate near middle. Legs tan to brown; tarsi contrastingly infusate. Ostiolar peritremes elongate, each nearly reaching base of hypocostal area. Hemelytra broadly expanded; each hypocostal area uniseriate; costal areas with two to five rows or areolae at broadest, areolae mostly hyaline, except for one fuscous band on basal half and one fuscous band near apical fourth, dorsal surface of areolae borders with erect, elongate, slender setae; subcostal

areas with two to four rows of areolae at widest, darker infusate near middle; discoidal areas darker infusate near middle, with four to five rows of areolae at widest; R+M and cubitus veins occasionally with elongate slender setae; sutural areas broadly expanded, nearly completely overlapping except near apex of subcostal extension. Abdomen ovate,

Included species.

Teleonemia carmelana (Berg 1892)

Teleonemia chacoana Drake 1942

Teleonemia chilensis (Reed)

Teleonemia elata Drake 1935

Teleonemia limbata Stål 1873

Teleonemia paraguayana Drake 1942

Teleonemia patagonica Drake 1948

Teleonemia simulans Drake 1922

Etymology. Named for the elongate hair like structures present on the pronotum and hemelytra of the included species.

Comments. Several species of *T.* (*Trichodonemia*) have been reported feeding on *Lantana* spp. and *T. elata* has been introduced into Australia to combat the spread of *Lantana camara* L.

Discussion

My results demonstrate that *Melanorhopala* sensu lato is paraphyletic whereas *Teleonemia* sensu lato and *Hesperotingis* sensu lato, are polyphyletic. The taxa of *Teleonemia* sensu lato are spread among five main clades (Figure 1.5). Several species are placed in a new

undescribed genus Henry, the reinstated subgenus *Teleonemia* (*Amaurosterphus*), a new subgenus *Teleonemia* (*Tapinonemia*), the nominate subgenus, and another additional new subgenus *Teleonemia* (*Trichodonemia*).

The genera and subgenera described above are morphologically distinct, but lack many apomorphic traits. This is likely due to homoplasy which is apparent within several characters such as the rostrum extending on to the abdomen, sinuate costa, or the biseriate subcostal areas of the hemelytra. The synapomorphies for the *Teleonemia* generic complex are those mentioned in the above diagnoses, but the most crucial are: presence of occipital spines, medial spine, paired frontal spines; rounded and truncate antenniferous tubercles; vertically reflexed paranota with basal row of minute areolae and at least one additional row of larger areole; uniseriate lateral carinae; well-developed ostiolar peritremes; pygophore with two basal depressions.

Alveotingis is monophyletic, but its description is now amended to include two new species described in chapter two. The synapomorphies for *Alveotingis* are: paired frontal spines weakly uncinata; posterior margins of eyes perpendicular to midline; calli covered with wax; mesosternal thoracic laminae slightly wider than prothoracic sternal laminae; metasternal thoracic laminae similar in width to mesothoracic sternal laminae. The only known host association for any species of *Alveotingis* is *Antennaria virginica* Stebbins and *Antennaria* sp. [Asteraceae] which were reported for *A. grossocerata* (Wheeler 1998). *Antennaria* spp. are low prostrate plants that are often obscured in grassland or woodland settings due to underbrush. *Alveotingis* species likely feed on the abaxial surfaces of lower leaves of prostrate Asteraceae plants, which make them very difficult to collect. In 2017 and 2021, I manually searched for and ran pitfall traps near *Antennaria* spp. in North Dakota and Minnesota respectively, but never collected any *Alveotingis* even though *A. minor* had previously been collected at one of the sites

in Clay county, MN. One new species described in chapter two was collected from pitfall traps, suggesting that this new species feeds on plants which may occupy similar niches as *Antennaria* spp.

Eurypharsa was also recovered as monophyletic, but its placement fell within *Teleonemia* sensu lato, and in the 500-replication analysis, was placed near taxa I have transferred to the subgenus *Amaurosterphus*. However, its placement was only recovered in 63% of our most parsimonious trees. Most species included in *Eurypharsa* have broadly expanded multiseriate paranota in addition to their broad hemelytra. Although, the synapomorphies for *Eurypharsa* only include the extremely long medial spine that surpasses the middle of the scape and the broadly expanded costal areas of the hemelytra, which can occasionally be found in other genera. The type species *E. nobilis* and morphologically similar species are distinctly separated from *Teleonemia* sensu lato by the characters mentioned above, yet *E. fenestrata* and *E. championi* exhibit narrower hemelytra and paranota which approach some members of *Teleonemia* (*Trichodonemia*) new subgenus. This may suggest that *Eurypharsa* is a highly derived section of *Teleonemia* (*Amaurosterphus*), but further evidence is needed to determine the phylogenetic placement of this genus with relation to the *Teleonemia* generic complex.

The genus *Hesperotingis* sensu stricto is closely allied to the genus *Alveotingis* as described herein and differs only by the strongly uncinately paired frontal spines. Two species previously placed in *Hesperotingis* differ considerably by weakly uncinately paired frontal spines and the bi- to triseriate costal areas of the hemelytra, now constitute the new genus *Paramelanorhopala* Knudson & Henry. The generic concept of *Melanorhopala* has now been restricted to its original definition provided by Stål (1873) and several species formally placed

there now belong in a new undescribed genus or will be documented in synonymy in chapter two.

Teleonemia sensu lato is now divided into one new genus and four subgenera. As mentioned above, the concept of *Teleonemia (Amaurosterphus)* has been broadly expanded to accommodate a number of morphologically similar species. The synapomorphies for this subgenus are less obvious due to homoplasy, but are: general dark color with occasional light markings; elongate rostrum that nearly reaches or reaches the abdomen; rounded and tumid pronotal hood; and elongate ostiolar peritremes that each overlap or nearly overlap with the base of the hypocostal area.

The new subgenus *Teleonemia (Tapinonemia)* is a southern Central American and South American subgenus that is extremely similar to the new genus Henry will be describing, but shares several other traits with members of *Teleonemia (Amaurosterphus)*. Species of *Teleonemia (Tapinonemia)* all have a variegated color; a low pronotal hood; elongate rostra that nearly reach the abdomen; and ostiolar peritremes that nearly reach the base of the hypocostal area. The hood in *Teleonemia (Tapinonemia)* is always truncate, broad and low, much lower than species of *Teleonemia (Amaurosterphus)*.

Teleonemia (Teleonemia) sensu stricto is variable in color, but species are typically either dark-black to tan-brown. The only reliable synapomorphy that separates this sub genus from others are the small ovate ostiolar peritremes which end abruptly far from the base of the hypocostal areas. Other characters are stable within *Teleonemia (Teleonemia)*, but some are also found in some members of other subgenera. The pronotal hood is always produced anteriorly onto the base of the head and appears roof-like in lateral view. The costa is also sinusoidal and

each costal area of the hemelytra are uniseriate, however several species of related subgenera also exhibit these characters.

Teleonemia (*Trichodonemia*) is easily recognized by the broad, sinusoidal hemelytra with at least biseriate costal areas, and the elongate, slender whitish hairs that are found on the pronotum and hemelytra. The only synapomorphy unique to this subgenus is the elongate, slender setae or hairs covering the paranota, pronotal carinae, and hemelytra. Other species of *Teleonemia* have sinusoidal costal areas of their hemelytra with two or even more rows of areolae.

The placement of *Perissonemia kietana* was not consistent among all analyses and in several results fell basal to the *Teleonemia* generic complex. *Perissonemia* is superficially similar to *Teleonemia* and may be part of the *Teleonemia* generic complex. However, *Perissonemia* differs greatly from the complex studied herein by the shorter head, shorter anterior margin of pronotum, and by the paranota that have a basal row of large areolae. The basal row of areolae of all members of the *Teleonemia* generic complex have paranota each with basal row of minute areolae and at least one additional row of areolae. Interestingly, as far as I know, no entomologist has ever mentioned this basal row of minute areolae and most species of *Teleonemia* sensu lato are described as having uniseriate paranota. The characters of head and pronotum length were not part of my analyses, but the basal row of areolae in the *Teleonemia* generic complex was included (Tables 1.1 and 1.2).

The shape and morphology of paranota are extremely important characters for defining the generic boundaries of several genera of Tingidae. *Acanthocheila* Stål and *Carvalhotingis* Froeschner are separated from all other tingid genera by the extremely stout spines that arm the lateral margins of their paranota (Froeschner 1996). All *Corythucha* Stål species have rounded

and undulating paranota with a basal fold (Hurd 1946). *Ambotingsis* Drake and Poor is separated from *Dictyla* Stål by the paranota which are each expressed into two linear carinaform processes (Knudson *et al.* 2017) and *Acanthomoplax* Souma is separated from *Omomoplax* Horváth by the uniformly rounded paranota (Souma 2022). There are several other examples of paranota shape defining generic boundaries of Tingidae, as such, the current placement of *Perissonemia* requires additional investigation.

The *Teleonemia* generic complex falls near *Physatocheila variegata* Parshley. However, several analyses placed *Copium teucree* (Host) or *Perissonemia kietana* Drake and Ruhoff as sister groups to the *Teleonemia* generic complex. In a prior phylogenetic analysis of the entire family, *Teleonemia* was placed near *Corythucha* or a clade containing *Dulinius conchatus* Distant and *Nobarnus picarti* Guilbert (Guilbert *et al.* 2014). However, several genera that are morphologically similar to *Teleonemia* were not included in their analyses (Guilbert *et al.* 2014). In this analysis, *Corythucha* may be less closely related to *Teleonemia* because it was sister to a basal polytomy of several genera. This may be due to the data that was used. The character matrix developed in this study was created to investigate the interrelationships of the *Teleonemia* generic complex and did not include diverse morphological characters for diverse outgroups to determine the phylogenetic relationships within the family Tingidae. This may also explain why *Thaumastocoris peregrinis* Carpintero & Dellapé 2006 [Thaumastocoridae] was sister to all Tingidae and except *Annomatocoris seratus* Guidoti *et al.* 2019. Schuh *et al.* (2009) found that the Thaumastocoridae were either sister to Tingidae or sister to the Pentatomomorpha, but their results were not consistent across all analyses. Few studies have tried to determine the interrelationships of the large subfamily Tinginae, containing over 2,000 described species in approximately 230 genera. Guilbert *et al.* (2014) conducted a phylogenetic analysis, but only

included 46 taxa from 23 genera of this subfamily. The dataset in this study had seven taxa in common with Guilbert *et al.* (2014) and four taxa that were representatives of genera also included in their analyses.

Molecular data was obtained from specimens donated or collected during the study, however the data acquired was not clean and unusable to augment the morphological analysis. Current work of obtaining new or recently collected examples of all major clades of the *Teleonemia* generic complex is underway. To date, several species of the generic complex have been barcoded for COX1; *Alveotingis grossocerata*, *Hesperotingis antennata*, *Hesperotingis scudderi* n. sp., *Melanorhopala clavata*, and *Teleonemia scrupulosa*. I am also in the process of re-extracting and sequencing select gene regions for *Hesperotingis fuscata*, *Melanorhopala* n. sp., *Teleonemia nigrina*, *Teleonemia notata*, and *Teleonemia validicornis*. It should be noted that COX1 has been demonstrated to have pseudogene paralogs in several groups of taxa (Leite 2012). Other gene regions may be needed to create a robust phylogenetic signal.

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**CHAPTER TWO: A REVISION OF THE *TELEONEMIA* COSTA GENERIC COMPLEX
(HETEROPTERA: TINGIDAE) WITH DESCRIPTIONS OF NEW TAXA, KEYS TO
SPECIES AND NEW STATUSES**

Abstract

The genera *Alveotingis* Osborn & Drake, *Eurypharsa* Stål, *Hesperotingis* Parshley, *Melanorhopala* Stål, and *Teleonemia* Costa are revised. Keys to species for all genera and subgenera are provided. Diagnoses and measurements for males and females of most species included in the *Teleonemia* generic complex are provided.

Lectotype designations are made for the following taxa: *Eurypharsa quadrifenestrata* Bergroth, *Tingis* (*Melanorhopala*) *clavata* Stål, *Teleonemia albomarginata* Champion, *Teleonemia bifasciata* Champion, *Teleonemia cylindricornis* Champion, *Teleonemia nigrina* Champion, *Teleonemia notata* Champion, *Teleonemia picta* Champion, *Teleonemia rugosa* Champion, *Teleonemia scrupulosa* Stål, *Teleonemia variegata* Champion, *Tingis circumdata* Blanchard, *Tingis* (*Americia*) *limbata* Stål, and *Tropidocheila morio* Stål.

Teleonemia chilensis (Reed) is resurrected from synonymy. *Eurypharsa circumdata* (Blanchard) [new combination, reinstated status] has priority over *Tingis nobilis* Guérin-Méneville. *Hesperotingis antennata borealis* Parshley, is resynonymized with *H. antennata* Parshley. *Hesperotingis duryi confusa* Drake is resynonymised and *Melanorhopala balli* Drake, is now synonymized under *Hesperotingis duryi* (Osborn & Drake). *Hesperotingis mississippiensis* Drake is synonymized with *Hesperotingis floridana* Drake. *Teleonemia atriflava* Monte, *T. bierigi* Monte, *T. bondari* Monte, *T. crassispinosa* Monte, *T. jubata* Drake & Hambleton and *T. ruthae* Monte are all synonymized under *Teleonemia forticornis* Champion.

Teleonemia granulosa Monte is synonymized under *T. argentinensis* Drake & Poor. *T. huachucae* Drake is synonymized under *Teleonemia nigrina* Champion. *Teleonemia novicia* Drake is synonymized under *Teleonemia vidua* Van Duzee. *Teleonemia sandersi* Drake & Hambleton is synonymized under *Teleonemia inops* Drake & Hambleton. *Teleonemia schildi* Drake is synonymized under *Teleonemia rugosa* Champion. *Teleonemia scrupulosa haytiensis* Drake is resynonymized under *T. scrupulosa* Stål. *Teleonemia syssita* Drake & Cobben is synonymized under *Teleonemia sidae* (Fabricius). *Teleonemia teretis* Drake is synonymized under *Teleonemia multimaculata* Monte. Descriptions of two new species of *Alveotingis*, one new species of *Hesperotingis*, and thirty nine new species of *Teleonemia* are presented herein.

Introduction

The Tingidae (Hemiptera), commonly called lace bugs, is currently comprised of over 2500 species in more than 300 genera, most of which are classified in the tribe Tingini. Lace bugs are relatively small- (2-12mm) insects distributed worldwide. They are all plant feeders, possessing beak-like sucking mouthparts which they insert into leaf tissue and suck out important plant nutrients. Many species of lace bugs are specialists that feed on a few plant species or genera. Also, due to their high reproductive rate and cryptic egg laying habits, they can occur in huge populations. As such, they can cause tremendous damage to herbaceous plants and tree species; however, several species have been studied for their potential as biological control agents for noxious weeds. *Teleonemia* Costa is the second largest genus of Tingidae in the Western Hemisphere with 86 described species and is only rivaled in diversity by *Leptopharsa* Stål (100+ species), and *Gargaphia* Stål (67 species). The genus is broadly distributed from southwestern Canada through western and southern United States to south

central Argentina and Chile, as well as most islands in the Caribbean. Species of *Teleonemia* can be found in diverse habitats from grasslands, riparian areas, deserts, and temperate to tropical rainforests. Despite the fact that for the vast majority of species, their life-histories are unknown, there are several major trends of feeding exhibited by members of this group. Like all Tingidae, members of *Teleonemia* and related genera feed on plants, however, feeding habits may differ considerably from well-known or documented foliage feeders of different genera. *Teleonemia morio* (Stål) has been reported from young shoots and branches of *Annonia* spp. [Annonaceae] (Bondar 1936), while *Teleonemia tricolor* (Mayr) feeds on stems, the petioles of leaves, and even the peduncles of several species of Cucurbitaceae (Silva 1956). *Melanorhopala clavata* (Stål) has been reported from *Solidago* spp. [Asteraceae] and is more commonly encountered lower on its host, possibly associated with the stem (Bailey 1951). These differing feeding behaviors make collecting these insects very difficult without prior knowledge of the host plant and also make determining hosts difficult in the field.

The plant host records for members of this group span 10 orders and 19 families (Drake & Ruhoff 1965). Despite the immense diversity of host records (some may be doubtful) there are several important groups of plants that provide sustenance and harborage for these insects. Several species of *Teleonemia* can be found on members of the Verbenaceae such as *Lantana camara* Linnaeus, which has invaded subtropical and tropical grasslands and several Pacific island chains. Due to its impact on vegetation diversity and plant community composition (Ruwanza 2020), several species of *Teleonemia* have been considered for biological control efforts of *Lantana* spp. (Day et al. 2003; Klein 2011). Most notable being *Teleonemia scrupulosa* Stål, which has been introduced into Africa, Asia, Australia, and multiple Pacific islands to control *Lantana* spp. (Harley & Kassulke 1971). Other species used for the biological control of

Lantana spp. include *Leptobyrsa decora* Drake, *Teleonemia elata* Drake, *Teleonemia harleyi* Froeschner, *Teleonemia prolixa* (Stål) (Henry & Kassulke 1971), and *Teleonemia vulgata* Drake & Hambleton (Baars 2002). Several other families of the Lamiales have been reported as hosts for *Teleonemia* species, namely Bignoniaceae, Lamiaceae, Plantaginaceae, Scrophulariaceae, (Drake & Ruhoff 1965) and others reported under species accounts.

The genus *Teleonemia* needs revision for numerous reasons, but principally there are few resources available for the identification of most species aside from the original descriptions. The first key to species of *Teleonemia* was provide by Stål (1873). Later, Champion (1898) authored the second volume of Rhynchota for the Biologia Centrali-Americana series in which he provided a key, descriptions, and wonderful illustrations of many new species. Drake (1918) provided a key to the then known species of North America, north of Mexico. Since these works, there have been no further attempts to address this genus in its entirety. Nearly all taxonomists who worked on *Teleonemia* focused on alpha taxonomy. Froeschner (1970) described *Teleonemia harlyi* to aid continued biological control efforts in Australia, whereas Harley and Kassulke (1973) evaluated the host range of this species for consideration for biological control of the widely invasive plant *Lantana camara* (Verbenaceae).

Teleonemia scrupulosa is by far the most wide-spread species of this genus. Its native range extends from the southern United States to Argentina and most of the Caribbean islands. This species has been introduced into many different countries of the world to help combat lantana (Harley & Kassulke 1971) and has subsequently spread to adjoining countries. Now *T. scrupulosa* can be found throughout southern Africa, south Asia, several Pacific islands, and Australia (Guilbert 2019).

Only one species has been considered a pest; *Teleonemia nigrina* Stål has been reported as a pest of snapdragon [*Antirrhinum* sp., Plantaginaceae] in greenhouses (Hixson, 1942) and has been collected from sugar beets [*Beta vulgaris* L., Amaranthaceae] in California (Drake 1918). *Teleonemia forticornis* Champion has been reported from sweet potato [*Ipomoea batatas* (L.) Lam., Convolvulaceae] (Monte 1939) and *T. tricolor* (Mayer) has been reported from *Cucurbita moschata* (Duchesne) Poir [Cucurbitaceae] (Drake & Hambleton, 1939), but no studies have evaluated the aforementioned species economic effects on these plants, although *T. tricolor* has been reported to feed on peduncles and petioles causing premature leaf drop (Silva 1956).

Materials and Methods

Specimens examined for this study came from the following collections listed in table 2.1; the curators who prepared loans or provided access to collections are listed in parenthesis. Several museums were not visited in person or were able to provide material loans due to the Covid-19 pandemic or the lack of material transfer agreements between North Dakota State University and several international collections. Collections marked with asterisk were examined via photographs of specimens housed in their respective collections. Individuals that have passed away during the span of this study are marked with double daggers (‡).

Table 2.1. Collections examined for included genera of the *Teleonemia* generic complex.

Collection	Name and Location
AHKC	Alexander H. Knudson Personal Collection, Fargo, ND, U.S.A.
AJSC	Ashley J. Schmitz Personal Collection, Corpus Christi, TX, U.S.A. (Ashley J. Schmitz)
AMNH	American Museum of Natural History, New York, NY, U.S.A. (R. Toby Schuh, Ruth Salas)
BPBM	Bernice P. Bishop Museum, Honolulu, HI, U.S.A. (James H. Boone‡)
BYUC	Monte L. Bean Life Science Museum, Brigham Young University, Provo, UT, U.S.A. (Shawn Clark)
CASC	California Academy of Sciences, San Francisco, CA, U.S.A. (Norm Penny‡; Rachel Diaz-Bastin)
CMNH	Carnegie Museum of Natural History, Pittsburgh, PA, U.S.A. (John Rawlins‡, Jim Fetzner, Jr.)
CNC	Canadian National Collection of Insects, Arachnids, and Nematodes, Ottawa, Ontario, Canada (Joel Kits)

Table 2.1. Collections examined for included genera of the *Teleonemia* generic complex (continued).

Collection	Name and Location
CSUC	C. P. Gillette Museum of Arthropod Diversity, Colorado State University, Fort Collins, CO, U.S.A. (Chuck Harp)
CUIC	Cornell University Insect Collection, Ithaca NY, U.S.A. (Jason Dombroskie)
CUAC	Clemson University Arthropod Collection, Clemson, SC, U.S.A. (Mike Ferro)
DARC	David A. Rider Personal Collection, Fargo, ND, U.S.A. (David A. Rider)
EMEC	Essig Museum of Entomology, University of California Berkeley, Berkeley, CA, U.S.A. (Casey Hubble)
FMNH	Field Museum of Natural History, Chicago, IL, U.S.A. (Crystal Maier)
FSCA	Florida State Collection of Arthropods, Gainesville, FL, U.S.A. (Susan Halbert)
INBio [MNCR]	Instituto Nacional de Biodiversidad, Santo Domingo, Costa Rica (Jim Lewis); [Now in Museo Nacional de Costa Rica: MNCR]
INSOY	Illinois Natural History Survey, University of Illinois, Champaign, IL, U.S.A. (Christopher C. Grinter)
ISIC	Iowa State Insect Collection, Iowa State University, Ames, IA, U.S.A. (Gregory W. Courtney)
JBWM	J. B. Wallis/ R. E. Roughley Museum of Entomology, University of Manitoba, Winnipeg, Canada (Barb Sharanowski)
JMLC	John M. Leavengood, Jr. Personal Collection, Tampa, FL, U.S.A. (John M. Leavengood, Jr.)
KSUC	Kansas State University, Manhattan, KS, U.S.A. (Gregory Zolnerowich)
LSAM	Louisiana State Arthropod Museum, Louisiana State University, Baton Rouge, LA, U.S.A. (Victoria M. Bayless)
MACN*	Museo Argentina de Ciencias Naturales "Bernardino Rivadavia", Buenos Aires, Argentina (Diego Carpintero)
MCZC*	Museum of Comparative Zoology, Harvard University, Cambridge, MS, U. S. A [Hemiptera types currently housed at AMNH]
MEMC	Mississippi Entomological Museum, Mississippi State University, Starkville, MS, U.S.A. (Terence L. Schiefer)
MLPA*	Museo de La Plata, Universidad Nacional de La Plata, La Plata, Argentina (Sara Montemayor)
MNHN	Muséum National d'Histoire Naturelle, Paris, France (Eric Guilbert)
MNRJ*	Museu Nacional, Universidade do Rio Janeiro, Rio do Janeiro, Brazil (Marcus Guidoti, Gabriel Mejdalani)
MRCC	Marcos Roca-Cusachs Personal Collection, Spain (Marcos Roca-Cusachs)
MSUC	Albert J. Cook Arthropod Research Collection, Michigan State University, East Lansing, MI, U.S.A. (Gary Parsons, Anthony Cognato)
MUSM	Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima, Peru (Caroline Chaboo)
MZFN*	Museo Zoologico dell'Università "Federico II", Naples, Italy (Roberta Improta)
MZH*	Finnish Natural History Museum, Helsinki, Finland (Heidi Viljanen, Pekka Malinen)
MZLU	Museum of Zoology, Lund University, Lund, Sweden (Rune Bygebjerg)
MZUCR	Museo de Zoologia, University of Costa Rica, San Jose, Costa Rica (Paul Hanson)
NCSU	Insect Museum, North Carolina State University, Raleigh, NC, U.S.A. (Robert L. Blinn)
NDSIRC	North Dakota State Insect Reference Collection, North Dakota State University, Fargo, ND, U.S.A. (Gerald M. Fauske, David A. Rider)
NHMUK	The Natural History Museum, London, England (Mick Webb, Max Barclay)
NHMW*	Naturhistorisches Museum Wien, Vienna, Austria (Herbert Zettel; Katharina Zenz)

Table 2.1. Collections examined for included genera of the *Teleonemia* generic complex (continued).

Collection	Name and Location
NHRS*	Naturhistoriska riksmuseet [Swedish Museum of Natural History], Stockholm, Sweden (Gunvi Lindberg)
NMPC	National Museum of Natural History, Prague, Czech Republic (Petr Kment)
NMSU	The Arthropod Collection, New Mexico State University, Las Cruces, NM, U.S.A. (C. Scott Bundy)
OSEC	K. C. Emerson Entomology Museum, Oklahoma State University, Stillwater, OK, U.S.A. (Charles Konemann)
OSUC	Triplehorn Insect Collection, The Ohio State University, Columbus, OH, U.S.A. (Luciana Musetti)
OUMNH*	University Museum of Natural History, Oxford, United Kingdom (Amooret Spooner, Robert Douglas)
PASU	The Frost Entomological Museum, Pennsylvania State University, University Park, PA, U.S.A. (Laura Porturas)
PERC	Perdue Entomological Research Collection, West Lafayette, IN, U.S.A. (Chris Worth)
SDSU	Severin-McDaniel Insect Research Collection, South Dakota State University, Brookings SD, U.S.A. (Paul Johnson)
SEMC	Snow Entomological Museum, University of Kansas, Lawrence, KS, U.S.A. (Jennifer Thomas)
SMNS	Stuttgart State Museum of Natural History, Stuttgart, Germany (Tanja Schweizer)
TAMU	Texas A & M University Insect Collection, College Station, TX, U.S.A. (Ed Riley, John Oswald, Karen Wright)
UAIC	University of Arizona Insect Collection, Tucson, AZ, U.S.A. (Gene Hall)
UCDC	Bohart Museum of Entomology, University of California Davis, Davis, CA, U.S.A. (Steve Heydon)
UCMS	University of Connecticut Biodiversity Research Insect Collection, Storrs, CT, U.S.A. (Katrina Minard)
UDCC	University of Delaware Insect Research Collection, Newark, DE, U. S. A. (Charles Bartlett)
UGCA	University of Georgia Collection of Arthropods, Athens, GA, U.S.A. (Joseph V. McHugh)
UIDC	William F. Barr Entomological Museum, University of Idaho, Moscow, ID, U.S.A. (Luc Leblanc)
UMRM	University of Missouri Insect Collection, Columbia, MO, U.S.A. (Robert Sites)
UMSP	University of Minnesota Insect Collection, St. Paul, MN, U.S.A. (Robin Elizabeth Thomson)
UPRM	University of Puerto Rico, Mayagüez, Puerto Rico, U.S.A. (Alex VanDam)
USNM	Smithsonian Institution, United States National Museum of Natural History, Washington D.C. U.S.A (Thomas J. Henry)
UTIC	University of Texas Biodiversity Center: Entomology, Austin, TX, U.S.A. (Alex Wild)
UWYC	University of Wyoming Insect Museum, Laramie, WY, U.S.A. (Scott R. Shaw)
WIRC	Wisconsin Insect Research Collection, University of Wisconsin, Madison, WI, U.S.A. (Craig M. Brabant)
WSUC	M.T. James Entomological Collection, Washington State University, Pullman, WA, U.S.A. (Richard Zack)
WVDA	West Virginia Department of Agriculture, Charleston, WV, U. S. A. (Laura Torres Miller)
ZMHC	Zoological Museum, University of Hamburg, Hamburg, Germany (Viktor Hartung, Martin Husemann)
ZMUC*	Natural History Museum of Denmark, University of Copenhagen, Copenhagen, Denmark (Henrik Enghoff, Lars Vihelmsen, Sree Gayathree Selvantharan)

Specimens were examined using a Wild M5 Stereo Microscope Illuminated with fiber lights. Measurements were taken using Microcode Digital Dials (IKL Inc., Newport Beach,

California) connected to Precision Digital Positioners (Model 3486-1. Boeckler Instruments, Tucson, AZ) and are presented in millimeters. Measurements were recorded to two decimals or three if the third was 5 or greater. To provide a size range, the smallest and largest representatives of both sexes were selected to measure. Measurements presented herein are as follows; total length (not including antennae); width at widest; all antennal segments; interocular distance; thickness of thorax (most elevated part of pronotal disc to maximum ventral extent of mesosternal laminae); width at humeral angles (including paranota); medial length of pronotum (dorsal view); length of hemelytron; length of discoidal area; width of discoidal area (leg of a triangle from maximum lateral to maximum mesial margins); length of abdomen; width of genitalia, length of genitalia. Measurements in parentheses correspond to the holotype. Photographs were acquired using a Cannon EOS 7D (Tokyo, Japan), with an automatic extension tube set and a macro photo lens attached to a Stack Shot motorized rail. Photographs were then montaged and edited in Adobe Photoshop CS 6 (San Jose, CA).

Geographic distributions of each species are presented by country and next major geopolitical division i.e. Department, state, province. The provinces and states for Canada and the United States are abbreviated following two letter postal abbreviations. Host plant records from published literature are catalogued as they first appeared in the literature, under the list of synonymies for each species. Under the Ecology sections of the species accounts, the current accepted names for host plants are presented. For detailed generic descriptions and diagnoses, see chapter one.

Results

Alveotingis Osborn & Drake, 1916

Alveotingis Osborn & Drake 1916: 245; 1917: 305 (key); Van Duzee 1917: 221, 818 (note); Parshley 1917: 24 (note); 1923: 707 (note); Blatchley 1926: 486 (note); Hurd 1946: 445 (key); Monte 1947:4 (cat.); Bailey 1951: 20 (note); Drake & Ruhoff 1960: 35 (cat.); 1965:79 (cat.); Slater & Baranowski 1978: 113-114 (note); Froeschner 1988: 712 (cat.); Wheeler 1998: 829-830 (note); Maw et al. 2000: 126 (checklist); Scudder 2012: 297 (key).

Type species. *Alveotingis* Osborn & Drake, 1916: *Alveotingis grossocerata* Osborn & Drake, 1916 by monotypy and original designation.

Comments. The three original species included in this genus are redescribed below, from material that matches the original type specimens. Further investigation is needed to determine the validity of the species in this genus as several species like *Alveotingis brevicornis* Osborn & Drake and *Alveotingis minor* Osborn & Drake are only known from macropterous and brachypterous specimens respectively. The type for the genus *Alveotingis grossocerata* Osborn & Drake is known from both brachypterous and macropterous individuals. Therefore, it is possible that the two species described from Iowa may correspond to the same species.

Geographic Distribution. Canada (ON, QC) and the United States (CT, IA, KS, MA, ME, MD, MN, MO, NH, NY, PA, VA)

Key to the species of *Alveotingis*

1. Discoidal areas of hemelytra elongate, reaching two-thirds to three quarters the length of hemelytra 2
- Discoidal areas of hemelytra shorter, not reaching beyond middle of hemelytra 3

2. Larger species; medial spine extremely short, tuberculate; basiflagellomere longer than length of pronotum; discoidal cell without a raised infusate vein.....
.....*Alveotingis pantex* Knudson new species
- Smaller species; medial spine elongate, porrect; basiflagellomere shorter than length of pronotum; discoidal cell with one or more raised infusate veins
.....*Alveotingis rileyorum* Knudson new species
3. Macropterous individuals from central United States
.....*Alveotingis brevicornis* Osborn & Drake
- Brachypterous individuals, or if macropterous, not from central United States.....
.....*Alveotingis grossocerata* Osborn & Drake

Alveotingis brevicornis Osborn & Drake 1917

Alveotingis brevicornis Osborn & Drake 1917: 305 (n. sp.) [IA]; Froeschner 1944: 670 (note) [MO]; Drake & Ruhoff 1965:79 (cat.) [MN]; Froeschner 1988: 712 (cat.).

Redescription. Head. Blackish brown, vertex with a few cream-colored setae; occipital spines tannish-brown, stout, porrect, moderately elongate, surpassing base of medial spine and anterior margins of eyes; medial spine lighter tannish-brown, slender, porrect, not adpressed to head, moderately elongate, two-thirds length of occipital spines, apex passing between paired frontal spines; frontal spines similarly colored as medial spine, as wide as occipital spines, incurved at base, short, one-third length of occipital spines; antenniferous tubercles brown, dorsal margins with downcurved cream-colored pubescence, moderately elongate, subequal in length to width of eye. Antennae: scape brown, stout, barrel-shaped, one and one-third as long width of eye, with slender, tan setae; pedicel concolorous with and slightly narrower than scape,

two-thirds length of scape, with stout curved setae; basiflagellomere darker infusate on apical half, stout throughout entire length, broadest near apex, three and one-half to four times length of scape, beset with stout, curved setae; distiflagellomere concolorous with apex of basiflagellomere, obclavate, broadest near base, acuminate at apex, subequal in length to scape, with elongate, erect, white setae. Eyes large, ovate. Maxillary plates concolorous with rest of head, punctate, punctures filled with white pubescence; clypeus brown, with a few scattered setae; bucculae concolorous with head except along ventral margin, contiguous apically, produced anteriorly beyond apex of clypeus, biseriate to triseriate, ventral margin in lateral view mostly straight, weakly sinusoidal on third; rostrum brown, fourth segment infusate on apical third, moderately elongate, extending to posterior margin of mesosternum.

Thorax. Pronotal collar narrow, anterior margin light tan, posteriorly brown; pronotum punctate, punctures deep, filled with cream-colored setae, interpunctural distance at most elevated area of pronotal disc one-half to one times as wide as puncture diameter, pronotal disc shining-brown; calli dark-brown to black, surrounded by downcurved, cream-colored setae; pronotal hood only slightly elevated, three areolae tall in lateral view only three areolae tall in lateral view in lateral view, short, four areolae long in dorsal view, v-shaped, apically truncate, not covering bases of occipital spines; paranota biseriate opposite calli, basal row explanate with minute areolae, lateral margin reflexed upwards adpressed against lateral margin of pronotum; carinae tan, uniseriate, lateral pronotal carinae subparallel posteriorly; triangular posterior projection brown near base, lighter in color apically, areolate basally, areolae gradually increase in size towards apex; each propleuron brown, punctate on anterior margin, punctures with downcurved cream-colored setae near anterior margin. Prothoracic sternal laminae widest anteriorly, directed mesally posteriorly; mesothoracic sternal laminae subparallel, elevated;

metathoracic sternal laminae diverging throughout length, curving mesally posteriorly; metasternum brown, flat, with adpressed cream-colored setae. Coxae brown, mesal margins with cream-colored pubescence; trochanters concolorous with and subequal in length to coxae; femora brown, short, widest beyond middle; tibiae brown on basal half, then lighter in color distally; tarsi brown, basitarsi minute, distitarsi elongate, one-fifth the length of tibiae. Ostoliar peritremes ovate, nearly reaching base of hypocostal area. Hemelytra extend beyond apex of abdomen by the length of abdomen; each hypocostal area uniseriate, areolae quadrate, base with whitish pubescence; each costa tan; costal areas uniseriate, areolae hyaline, veins tan to brown; each subcosta brown; subcostal areas biseriate, areolae translucent, veins brown; each R+M vein weakly developed; discoidal areas five to six areolae at widest, midpoint beyond apex of triangular posterior projection, areolae translucent, veins brown, with one to four slender downcurved setae; cubitus vein indistinct; sutural areas broad with eight areolae at widest, areolae at base subequal to areolae in discoidal area, then abruptly larger towards apex. Metathoracic wings tannish brown, extending beyond abdomen two-thirds length between abdomen and apex of hemelytra.

Abdomen. Blackish-brown, basal abdominal segment with downcurved, thickened setae; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; 8th paratergites flat throughout much of length, apical fourth with a weak depression along posterior apical margin; 9th paratergites weakly depressed near base, then rounded beyond, apical third excavate, beset with cream-colored pubescence.

Measurements. Female. (n =1) Length: 3.76; width at widest: 1.63; Head: Scape: 0.23; pedicel: 0.16; basiflagellomere: 0.86; distiflagellomere: 0.23; interocular distance: 0.29; Thorax: Thickness of thorax: 0.84; width at humeral angles: 1.02; length of pronotum in dorsal view:

1.39; length of hemelytron: 2.54; length of discoidal area: 1.71; width of discoidal area: 0.51; Abdomen: Length: 1.44; length of female terminalia: 0.56; width of female terminalia: 0.79.

Type specimen. Lttl. Rck., Ia, Jy.2, [18]97; H. Osborn Collector; TYPE; Fig. by Janson; HOLOTYPE *Alveotingis brevicornis* Drake; C J Drake Coll. 1956; USNMENT, 00866860 (♀ USNM). Specimen examined.

Comments. The type specimen of this species was collected near Little Rock, Iowa in the north western region of the state. The types is a teratological example; the pedicel of the right antenna is missing. No male specimens are known.

Geographic distribution. The United States (IA, MN, MO, OK). The specimens in appendix table A.1. from Oklahoma represent a new state record. Drake & Ruhoff (1965) first reported this species from Minnesota.

Ecology. This species has been intercepted in a Lindgren funnel trap from data below and has been collected via aerial net (Osborn & Drake 1917). Plant associations: None recorded..

Etymology. *Brev-* (L.): short, *corn* (L.): horn, or horny. Probably named for the short antennae which are shorter than the type species *A. grossocerata*.

Material examined. See appendix A.1.

Alveotingis grossocerata Osborn & Drake 1916

Alveotingis grossocerata Osborn & Drake 1916: 245 (n. sp.) [ME]; Osborn & Drake 1917: 306 (note); Froeschner 1988: 712 (cat.); Wheeler 1998:829-830 (note) [VA, *Antennaria virginica*]; Maw et al 2000: 126 (checklist) [ON, QC].

Redescription. Head. Dark red-brown, vertex with a few tan colored setae; occipital spines tannish-brown, stout, porrect, moderately elongate, reaching base of medial spine and anterior margins of eyes; medial spine tannish-brown, slender, adpressed to head, moderately elongate, thirds length two-thirds length of occipital spines, apex passing between the paired frontal spines; frontal spines similarly colored as medial spine, as wide as occipital spines, incurved at base, short, one-third length of occipital spines, apices touching; antenniferous tubercles brown, dorsal margins with downcurved cream-colored pubescence, moderately elongate, subequal in length to width of eye. Antennae: scape brown, stout, barrel-shaped, one and one-half as long width of eye, with slender, tan setae; pedicel concolorous with and slightly narrower than scape, two-thirds length of scape, with stout curved setae; basiflagellomere darker infusate on apical half, stout throughout entire length, broadest near apex, three and one-half to four times length of scape, beset with stout, curved setae; distiflagellomere concolorous with apex of basiflagellomere, obclavate, broadest near base, acuminate at apex, three quarters length of scape, with elongate, erect, white setae. Eyes large, ovate. Maxillary plates concolorous with rest of head, punctate, punctures filled with cream-colored pubescence; clypeus brown, with minute white pubescence; bucculae lighter tan in color, contiguous apically, produced anteriorly beyond apex of clypeus, biseriate to triseriate, ventral margin in lateral view sinusoidal with a notch in posterior third; rostrum brown, fourth segment infusate on apical third, moderately elongate, extending to basal third of metasternum in brachypterous individuals and the base of the mesosternum in macropterous individuals.

Thorax. Pronotal collar narrow, apical margin light tan, posteriorly brown; pronotum punctate, punctures deep, filled with cream-colored setae, interpunctural distance at most elevated area of pronotal disc one-half as wide as puncture diameter in brachypterous, one-half

to one times in macropterous, pronotal disc shining brown; calli dark-brown to black, surrounded by downcurved, cream-colored setae; pronotal hood only slightly elevated, three areolae tall in lateral view only three areolae tall in lateral view in lateral view, short, four areolae long in dorsal view, v-shaped, apically truncate, not covering bases of occipital spines; paranota mostly biseriate in brachypterous individuals and biseriate opposite calli in macropterous individuals, basal row explanate with minute areolae, lateral margin reflexed upwards adpressed against lateral margin of pronotum; carinae tan, uniseriate, lateral pronotal carinae subparallel posteriorly; triangular posterior projection brown near base, lighter in color apically, areolate abruptly enlarged near base then areolae gradually increase in size towards apex; propleuron brown, punctate on anterior margin, punctures with downcurved cream-colored setae near anterior margin. Prothoracic sternal laminae widest at middle, directed mesally posteriorly. mesothoracic sternal laminae subparallel, elevated, slightly wider than prothoracic sternal laminae; metathoracic sternal laminae diverging throughout length, curving mesally posteriorly; metasternum brown, flat, with adpressed cream-colored setae. Coxae brown, mesal margins with cream-colored pubescence; trochanters concolorous with and subequal in length to coxae; femora brown, short, widest beyond middle; tibiae brown on basal half, then lighter in color; tarsi dark infusate: basitarsi minute; distitarsi elongate, one-fifth the length of tibiae. Ostoliar peritremes ovate, one and one-half times as long as wide, each touching base of hypocostal area. Hemelytra extending beyond apex of abdomen slightly in brachypterous and one times length of abdomen in macropterous; each hypocostal area uniseriate, areolae quadrate, basal half with whitish pubescence; each costa tan; costal areas uniseriate, areolae hyaline, veins light-brown; each subcosta light-brown; subcostal areas triseriate in posterior third, areolae translucent, veins brown; each R+M vein weakly developed; discoidal areas five to six areolae at widest, midpoint

beyond apex of triangular posterior projection, areolae translucent, veins brown with one to four slender downcurved setae; cubitus vein indistinct; sutural areas broad with eight areolae at widest, areolae at base subequal to areolae in discoidal area, and mostly uniform in size in brachypterous, the areolae abruptly enlarged after base in macropterous individuals. Metathoracic wings tan brown, extend beyond abdomen thirds length two-thirds length between abdomen and apex of hemelytra in macropterous individuals.

Abdomen. Light-brown, widest near middle, basal abdominal segment with downcurved, thickened setae; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; 8th paratergites flat throughout much of length, apical fourth with a weak depression on posterior apical margin; 9th paratergites weakly depressed near base, then rounded beyond, the apical third excavate and beset with dense cream-colored pubescence.

Measurements. Female. (n =4) Length: 2.96–3.67; width at widest: 1.46–2.45; Head: Scape: 0.21–0.25; pedicel: 0.12–0.16; basiflagellomere: 0.79–0.88; distiflagellomere: 0.18–0.22; interocular distance: 0.23–0.29; Thorax: Thickness of thorax: 0.61–0.82; width at humeral angles: 0.81–0.97; length of pronotum in dorsal view: 1.13–1.32; length of hemelytron: 1.80–2.50; length of discoidal area: 1.14–1.45; width of discoidal area: 0.42–0.51; Abdomen: Length: 1.32–1.62; length of female terminalia: 0.60–0.68; width of female terminalia: 0.58–0.76.

Type specimen. Orono, Me., 5 Aug. '13; C J Drake Coll. 1956; ORIGINAL TYPE; *Alveotingis grossocerata* O & D, HOLOTYPE; USNMMENT 00866861 (Brachypterous ♂ USNM). Specimen examined.

Comments. This species can be macropterous or brachypterous, however the macropterous forms are very rare.

Geographic distribution. USA: CT, KS, MA, MD, ME, MO, NH, NY, PA, VA;
Canada: ON, QC.

Ecology. Plant associations: Wheeler (1998) collected nymphs and adults from *Antennaria virginica* Stebbins [Asteraceae]. *Antennaria* sp. from label data below.

Material examined. See appendix A.1.

Alveotingis minor Osborn & Drake 1917

Alveotingis minor Osborn & Drake 1917: 305 (n. sp.) [IA]; Drake & Ruhoff 1965:79 (cat.);
Froeschner 1988: 712 (cat.).

Alveotingis grossocerrata: Slater & Baranowski 1978: 114 (note) [misdet].

Redescription. Head. Dark-brown, vertex with a few tan colored setae; occipital spines tannish-brown, slender, porrect, moderately elongate, not reaching base of medial spine,; medial spine tannish-brown, slender, adpressed to head, moderately elongate, thirds length two-thirds length of occipital spines, apex passing between the paired frontal spines; frontal spines similarly colored as medial spine, as wide as occipital spines, incurved at base, short, two-thirds length of occipital spines; antenniferous tubercles brown, dorsal margins with downcurved cream-colored pubescence, moderately elongate, subequal in length to width of eye. Antennae: scape brown, stout, barrel-shaped, one and one-third as long width of eye, with slender, tan setae; pedicel concolorous with, and slightly narrower than scape, slightly less than two-thirds length of scape, with stout curved setae; basiflagellomere darker infusate on apical half, stout throughout entire length, broadest near apex, three and one-half to four times length of scape, beset with stout, curved setae; distiflagellomere concolorous with apex of basiflagellomere, obclavate, broadest near base, acuminate at apex, three quarters length of scape, with elongate, erect, white setae.

Eyes large, ovate. Maxillary plates concolorous with rest of head, punctate, punctures filled with cream-colored pubescence; clypeus brown, with minute cream-colored pubescence; bucculae lighter brown in color, contiguous apically, produced anteriorly beyond apex of clypeus, biseriate with a few extra areolae, ventral margin in lateral view relatively straight; rostrum brown, fourth segment infusate on apical third, moderately elongate, extending to middle of metasternum in brachypterous individuals.

Thorax. Pronotal collar narrow, apical margin light tan, posteriorly brown; pronotum punctate, punctures deep, filled with cream-colored setae, interpunctural distance at most elevated area of pronotal disc one-half to one times as wide as diameter of punctures, pronotal disc shining brown; calli dark-brown-black, surrounded by downcurved, cream-colored pubescence; pronotal hood only slightly elevated, three areolae tall in lateral view only three areolae tall in lateral view in lateral view, short, four areolae long in dorsal view, apically truncate, not covering bases of occipital spines, weakly tumid posteriorly, with minute cream-colored pubescence; paranota biseriate opposite calli, basal row explanate with minute areolae, lateral margin reflexed upwards weakly adpressed against lateral margins of pronotum opposite calli; carinae tan, uniseriate, lateral pronotal carinae subparallel posteriorly; triangular posterior projection brown near base, lighter in color apically, areolate gradually increase in size towards apex; propleuron brown, narrow, with two to three rows of punctures, punctures with downcurved cream-colored setae near anterior margin. Prothoracic sternal laminae widest at apex, directed mesally posteriorly. mesothoracic sternal laminae more elevated, slightly wider at base subparallel, elevated, slightly wider than prothoracic sternal laminae; metathoracic sternal laminae diverging throughout length, curving mesally posteriorly; metasternum brown, flat, with adpressed white pubescence. Coxae dark-brown, mesal margins with white pubescence;

trochanters brown, subequal in length to coxae; femora brown, short, widest beyond middle, with minute pubescence; tibiae brown on basal half, then lighter in color, subequal in length to femora; tarsi dark infuscate: basitarsi minute; distitarsi elongate, one-fifth length of tibiae. Ostoliar peritremes ovate, anterior margin thicker, each one and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra extending beyond apex of abdomen slightly in brachypterous individuals; each hypocostal area uniseriate, areolae quadrate, basal few areolae margined with whitish pubescence; each costa light-brown; costal areas uniseriate, areolae hyaline, veins light-brown; each subcosta light-brown; subcostal areas biseriate, areolae tan colored, veins brown; each R+M vein weakly developed; discoidal areas five areolae at widest, midpoint beyond apex of triangular posterior projection, areolae tan, veins brown with one to four slender downcurved setae; cubitus veins indistinct; sutural areas broad with six areolae at widest, areolae at base subequal to areolae in discoidal area, and mostly uniform in size in brachypterous, the areolae abruptly enlarged after base in macropterous individuals. Metathoracic wings not visible.

Abdomen. Light-brown, widest on basal third or middle, basal abdominal segment with downcurved, pubescence; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; 8th paratergites flat throughout much of length, apical fourth with a weak depression on posterior apical margin; 9th paratergites weakly depressed near base, then rounded beyond, apical third excavate and beset with dense cream-colored pubescence. Pygophore concolorous with abdomen, broad, slightly narrower than preceding abdominal segment, longer than combined length of two preceding abdominal segments, with a few scattered downcurved setae; parameres stoutest near base, concolorous with pygophore near

base, narrowed and curved beyond basal half, but appear stout posteriorly, left paramere stouter than right paramere.

Measurements. Male. (n =2) Length: 2.54–3.80; width at widest: 1.21–1.81; Head: Scape: 0.17–0.21; pedicel: 0.15–0.16; basiflagellomere: 0.84–0.86; distiflagellomere: 0.17–0.21; interocular distance: 0.20–0.23; Thorax: Thickness of thorax: 0.54–0.55; width at humeral angles: 0.71–0.77; length of pronotum in dorsal view: 0.89–0.94; length of hemelytron: 1.62–1.79; length of discoidal area: 1.02–1.21; width of discoidal area: 0.35–0.36; Abdomen: Length: 1.20–1.51; length of pygophore: 0.37–0.39; width of pygophore: 0.51–0.53. Female. (n =1) Length: 2.80; width at widest: 1.50; Head: Scape: 0.23; pedicel: 0.14; basiflagellomere: 0.78; distiflagellomere: 0.22; interocular distance: 0.26; Thorax: Thickness of thorax: 0.60; width at humeral angles: 0.80; length of pronotum in dorsal view: 1.07; length of hemelytron: 1.82; length of discoidal area: 1.18; width of discoidal area: 0.44; Abdomen: Length: 1.40; length of female terminalia: 0.65; width of female terminalia: 0.74.

Type specimen. Exp. Sta., 6/4/[18]97, Ames Ia.; TYPE; HOLOTYPE *Alveotingis minor* Osb & Drake HOLOTYPE C J Drake Coll. 1956; USNM, 00866863 (brachypterous ♂ USNM). Specimen examined. Note that Osborn & Drake (1917) originally stated that the holotype was macropterous, but they provided a figure of their only specimen which was brachypterous.

Comments. The specimens listed in appendix A.1 from Minnesota represent a new state record. This species may be synonymical with *A. brevicornis*, but further field work is needed to uncover if field populations exhibit hemelytral polymorphisms.

Geographic distribution. USA: IA, MN.

Ecology. Specimens listed in appendix A. 1 were collected in pitfall traps on grazed grasslands. Plant associations: unrecorded.

Etymology. Likely named for its small size.

Material examined. See appendix A.1.

Alveotingis pantex Knudson, **new species**

Diagnosis. Easily separated from all congeners by the short tuberculate median and frontal spines, and by the extremely long and sinusoidal discoidal areas.

Description. Generally ovate, dark red-brown species, with cream-colored pubescence.
Head. Dark red-brown, vertex with whitish wax; occipital spines brown, subparallel to weakly diverging, moderately slender, adpressed to head, short, not surpassing anterior margins of eyes or reaching base of medial spine, two-thirds as long as width of eye; medial spine dark-brown, slender, porrect, short, one-third as long as occipital spines, apex not reaching bases of paired frontal spines; frontal spines concolorous with occipital spines, weakly incurved at base, moderately elongate, two-thirds length of occipital spines; antenniferous tubercles red-brown, elongate, one and one-fourth as long as width of eye. Antennae dark red-brown; scape, stout, barrel-shaped, one and one-third times as long as width of eye, with whitish wax and brown slender setae; pedicel concolorous with, and slightly narrower than scape, thirds length two-thirds length of scape, with slender curved setae; basiflagellomere dark red-brown, slender near base, gradually widening throughout entire length, broadest near apex, four and one-half times length of scape, beset with stout, curved setae; distiflagellomere darker infuscate, weakly obclavate, broadest near base, acuminate at apex, subequal to length to scape, one-fourth narrower than apex of basiflagellomere, with elongate, erect, brown setae. Eyes narrow, ovate,

anterior margins truncate near bases of antenniferous tubercles. Maxillary plates red-brown, punctate, covered with whitish pubescence; clypeus red-brown, with some whitish-grey pubescence; bucculae red-brown, contiguous apically, apex projecting slightly beyond apex of clypeus, biseriate, ventral margin in lateral view mostly flat, weakly rounded. Rostrum red-brown, fourth segment infusate on apical half, moderately elongate, extending to first abdominal sternite.

Thorax. Pronotal collar dark red-brown, extremely low, truncate apically, narrow; pronotum punctate, punctures deep, minute, filled with white pubescence, interpunctural distance at most elevated area of pronotal disc as wide as diameter of punctures, pronotal disc red-brown; calli dark red-brown, surrounded by minute pubescence; pronotal hood red-brown, extremely low, only two areolae tall in lateral view, short, four areolae long in dorsal view, apically truncate, not covering bases of occipital spines, weakly tumid near middle, with minute white-colored setae on margin; paranota biseriate opposite calli, basal row explanate with minute areolae, lateral margin reflexed upwards, subvertical, not adpressed against lateral margins of pronotum; pronotal carinae red-brown, uniseriate, median carina slightly lower than lateral carinae; lateral carinae mostly subparallel; triangular posterior projection concolorous with disc near base, lighter brown in posterior-lateral margins, areolae abruptly larger beyond disc, gradually increasing towards apex; propleuron red-brown, with three rows of punctures, punctures with minute white pubescence. Prothoracic sternal laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at anterior margins, weakly crescentic-shaped, elevated; metathoracic sternal laminae slightly narrower than mesothoracic sternal laminae basally, widening throughout length, weakly curving mesally posteriorly; metasternum dark-brown, flat, with adpressed white pubescence. Legs dark red-brown; coxae with minute, whitish-

colored pubescence; trochanters as long as coxae; femora red-brown, short, widest near middle, with minute pubescence and whitish wax; tibiae concolorous with femora, subequal in length to length of femora and trochanter combined, slightly curved on apical fourth; basitarsi minute, concolorous with preceding; distitarsi wanting. Ostoliar peritremes broadly ovate, one and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra extending beyond apex of abdomen only slightly beyond in brachypterous individuals, macropterous individuals unknown; each hypocostal area uniseriate, areolae ovate, margined with whitish pubescence; each costa dark red-brown with variegated light-brown markings; costal areas uniseriate, areolae hyaline, veins red-brown with light-brown markings; each subcosta red-brown; subcostal areas red-brown, triseriate areolae margined with minute pubescence; each R+M vein red-brown, sinusoidal; discoidal areas elongate, reaching three quarters length of hemelytra, five areolae at widest, midpoints beyond apex of triangular posterior projection, areolae tan-grey, veins dark red-brown, margined with minute pubescence; cubitus veins weakly raised, mostly straight beyond basal third; sutural areas concolorous with discoidal areas, but lighter in color near lateral margins, broad with five areolae at widest, areolae at base mostly uniform in size.

Abdomen. Dark red-brown, ovate, widest near middle, basal abdominal segment with whitish downcurved, pubescence, lateral margins of sternites above spiracular peritremes with dense patches of minute white-colored setae; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; eighth paratergites weakly depressed near base; ninth paratergites with one vertical furrow towards middle, near mesal margins, proximal margins very broad, stout, weakly rugose along distal margins, apical third excavate, with dense whitish pubescence.

Measurements. Female. (n =1) Length: (3.06); width at widest: (1.40); Head: Scape: (0.17); pedicel: (0.15); basiflagellomere: (0.90); distiflagellomere: (0.22); interocular distance: (0.31); Thorax: Thickness of thorax: (0.55); width at humeral angles: (0.71); length of pronotum in dorsal view: (0.97); length of hemelytron: (2.13); length of discoidal area: (1.45); width of discoidal area: (0.35); Abdomen: Length: (1.57); length of female terminalia: (0.71); width of female terminalia: (0.82).

Type specimen. Holotype: USA: TEXAS: *Carson Co.* Pantex Plant, Site 8 Pantex Lake Grassland, 9-16-VII-2001, D. Sissom, S. Cox, pitfall traps (♀ TAMU). Holotype will be deposited in the TAMU Type collection.

Geographic distribution. Only known from the type locality in Carson county, Texas.

Ecology. The holotype was collected in a pitfall trap. Plant associations are unknown.

Etymology. Named after the type locality near the nuclear weapons assembly Pantex Plant in the Texas Panhandle.

Alveotingis rileyorum Knudson, **new species**

Diagnosis. Easily separated from all congeners by the smaller size (2.33mm), the more elongate median and frontal spines, and by the extremely long and sinusoidal discoidal areas.

Description. Generally slender, ovate, dark variegate species, with cream-colored pubescence. **Head.** Dark red-brown, vertex devoid of pubescence; occipital spines dark-brown, subparallel to weakly converging, moderately slender, adpressed to head to porrect, short, not surpassing anterior margins of eyes or reaching base of medial spine, as long as width of eye; medial spine dark-brown, slender, porrect, moderately elongate, two-thirds as long as occipital spines, apex reaching bases of paired frontal spines; frontal spines concolorous with occipital

spines, incurved at base, moderately elongate, two-thirds length of occipital spines; antenniferous tubercles dark-brown, elongate, one and one-fourth as long as width of eye. Antennae dark red-brown; scape, stout, barrel-shaped, one and one-half times as long as width of eye, with minute brown slender setae; pedicel concolorous with, and slightly narrower than scape, nearly thirds length two-thirds length of scape, with slender curved setae; basiflagellomere dark-brown, moderately widening throughout entire length, broadest near apex, four and one-half times length of scape, beset with stout, curved setae; distiflagellomere concolorous with basiflagellomere, obclavate, broadest near base, acuminate at apex, subequal to length of scape, one-fourth narrower than apex of basiflagellomere, with elongate, erect, tan setae. Eyes large, narrow, ovate, anterior margins truncate near bases of antenniferous tubercles. Maxillary plates red-brown, punctate, with scattered minute tan setae; clypeus red-brown, with some tan downcurved setae; bucculae red-brown, contiguous apically, apex subparallel with apex of clypeus, biseriate, ventral margin in lateral view mostly flat, weakly rounded. Rostrum dark-brown, fourth segment infusate on apical third, moderately elongate, extending to first abdominal sternite.

Thorax. Pronotal collar dark red-brown, low, truncate apically, narrow; pronotum punctate, punctures deep, minute, filled with white pubescence, interpunctural distance at most elevated area of pronotal disc as wide as diameter of punctures, pronotal disc red-brown; calli dark-brown, surrounded by whitish wax; pronotal hood red-brown, extremely low, only two areolae tall in lateral view, short, four areolae long in dorsal view, apically truncate, not covering bases of occipital spines, weakly tumid near middle, with minute white-colored setae on margin; paranota biseriate opposite calli, basal row explanate with minute areolae, lateral margin reflexed upwards, subvertical, not adpressed against lateral margins of pronotum; pronotal carinae tannish-brown variegated with red-brown, uniseriate, median carina subequal in height to lateral

carinae; lateral carinae mostly subparallel; triangular posterior projection concolorous with disc near base, lighter brown in posterior-lateral margins, areolae abruptly larger beyond disc, gradually increasing towards apex; propleuron red-brown, with two rows of punctures, punctures with minute white pubescence. Prothoracic sternal laminae low, subparallel; mesothoracic sternal laminae slightly wider apart near base, weakly crescentic-shaped, more elevated; metathoracic sternal laminae slightly narrower than mesothoracic sternal laminae basally, diverging throughout length, weakly curving mesally posteriorly; metasternum dark-brown, flat, with minute white pubescence on lateral margins. Legs dark red-brown; coxae elongate, with minute, whitish-colored pubescence; trochanters as long as coxae; femora red-brown, short, widest near middle, with minute pubescence and whitish wax; tibiae lighter brown, subequal in length to length of femora, slightly curved on apical fourth; basitarsi minute, darker brown; distitarsi concolorous with basitarsi, elongate, one-fourth length of tibiae, moderately expanded near apical third. Ostoliar peritremes broadly ovate, each slightly taller than width, nearly touching base of hypocostal area. Hemelytra extending beyond apex of abdomen only slightly in brachypterous individuals, macropterous individuals unknown; each hypocostal area uniseriate, areolae ovate, margined with whitish pubescence; each costa dark red-brown with variegated light-brown markings; costal areas uniseriate, areolae hyaline, veins red-brown with lighter brown markings; each subcosta red-brown; subcostal areas lighter brown, irregularly triseriate in males, nearly completely triseriate in females, areolae margined with minute pubescence on basal third; each R+M vein dark red-brown, weakly sinusoidal; discoidal areas elongate, reaching two-thirds length of hemelytra, narrow, three to four areolae at widest, midpoints beyond apex of triangular posterior projection, areolae tan-grey, veins brown to dark red-brown, margined with minute pubescence; cubitus veins raised, mostly straight beyond basal third;

sutural areas concolorous with discoidal areas, but lighter in color near lateral margins, broad with four to five areolae at widest, areolae mostly uniform in size.

Abdomen. Dark red-brown, ovate, widest before middle, basal abdominal segment with whitish downcurved, pubescence; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; eighth paratergites broadly depressed near base; ninth paratergites with one vertical furrow towards middle, near mesal margins, proximal margins very broadly rounded, stout, weakly rugose along distal margins, apical third excavate, with minute whitish pubescence. Pygophore concolorous with abdomen, broad, slightly narrower than preceding abdominal segment, slightly shorter than combined length of two preceding abdominal segments, with a few scattered short, slender setae, basal depressions mostly devoid of pubescence; parameres stoutest near base, darker in color than pygophore on basal fourth, abruptly red-brown and narrowed beyond basal half, weakly angulate and directed ventrally beyond basal two-thirds, lateral and ventral margins beset with short slender setae.

Measurements. Male. (n =3; holotype in parentheses) Length: (2.23)–2.33; width at widest: 0.91(0.92)–0.94; Head: Scape: (0.14) –0.19; pedicel: 0.12–(0.14); basiflagellomere: (0.68)–0.76; distiflagellomere: (0.20)–0.21; interocular distance: 0.21–(0.22); Thorax: Thickness of thorax: (0.42)–0.43; width at humeral angles: (0.59)–0.60; length of pronotum in dorsal view: (0.75)–0.77; length of hemelytron: (1.41)–1.53; length of discoidal area: (0.73)–0.92; width of discoidal area: (0.16)–0.20; Abdomen: Length: 1.20(1.21)–1.22; length of pygophore: (0.24)–0.32; width of pygophore: 0.39–(0.42)0.45. Female. (n =2) Length: 2.43–2.59; width at widest: 1.07–1.16; Head: Scape: 0.13–0.20; pedicel: 0.13–0.14; basiflagellomere: 0.70–0.71; distiflagellomere: 0.17–0.19; interocular distance: 0.22–0.24; Thorax: Thickness of thorax: 0.46–0.51; width at humeral angles: 0.62–0.63; length of pronotum in dorsal view: 0.86–0.88; length

of hemelytron: 1.68; length of discoidal area: 1.08–1.21; width of discoidal area: 0.25;
Abdomen: Length: 1.31–1.37; length of female terminalia: 0.57–0.62; width of female
terminalia: 0.62–0.74.

Type Specimen. Holotype: USA: TEXAS: *Brazos Co.* College Sta., Riley Estate,
30.58849°N, 96.25366°W, E.G. & M. L. Riley, 10-17-VI-2020, pit-fall trap, post oak savanna (♂
USNM).

Geographic distribution. USA: MS, TX.

Ecology. The holotype and five specimens were collected in pitfall traps in Post Oak
Savana. Plant associations: unrecorded.

Etymology. Named after Ed and Maureen Riley who collected the holotype and several
paratypes.

Material examined. Paratypes: Same data as Holotype (1♂ AHKC; 1♀ USNM); USA:
TEXAS: *Brazos Co.* College Sta., Riley Estate, 30.58849°N, 96.25366°W, E.G. & M. L. Riley,
1-9-VII-2020, pit-fall trap, post oak savanna (2♀ TAMU); TEXAS: *Wharton Co.* 2 mi NW East
Bernard, 10-VII-1984, Prairie, Marlin E. Rice (1♂ IUIC); MISSISSIPPI: *Chickasaw Co.* Buena
Vista, 33°53'45"N, 88°49'08"W, 12-19-VI-2014, J. Hill, N. Ridlen, J. Busby, Pulliam Prairie,
Pitfall trap in unburned prairie (1♂ MEMC); *Chickasaw Co.* Buena Vista, 33°53'45"N,
88°49'08"W, 19-VI-3-VII-2014, J. Hill, N. Ridlen, J. Busby, Pulliam Prairie, Pitfall trap in
unburned prairie (1♂ MEMC)

Euryparsa Stål, 1873

Eurypharsa Stål 1873: 122, 133; Drake & Poor 1936: 386 (note); Monte 1939a: 69 (note);
 1941b: 94 (note); 1947: 12 (checklist); Hurd 1946: 441, 468-469 (key); Drake & Ruhoff
 1960: 56–57 (cat.), Drake & Ruhoff 1965:213 (cat.).

Type species. *Eurypharsa* Stål, 1873: *Tingis nobilis* Guérin-Méneville, 1844 (= *Tingis circumdata* Blanchard, 1842), by monotypy.

Geographic Distribution. Trinidad, Costa Rica south to Paraguay.

Key to the species of *Eurypharsa*

1. Costal areas of hemelytra with many rows (more than 15) of similarly sized areolae. 2
 - Costal areas of hemelytra with fewer rows of areolae (less than 15) areole distinctly larger on basal fourth and apical third 3
2. Lateral margins of costal areas completely infusate 4
 - Lateral margins of costal areas not completely infusate *E. phyllophila* Drake
3. Subcostal areas uniseriate *E. fenestrata* Champion
 - Subcostal areas biseriate *E. championi* Bergroth
4. Costal areas of hemelytra each with transverse fuscous band on basal third 5
 - Costal areas of hemelytra each without transverse fuscous band on basal third
 *E. circumdata* Blanchard
5. Costal areas of hemelytra each with trapezoidal-shaped hyaline area on apical half.....
 *E. quadrifenestrata* Bergroth
 - Costal areas of hemelytra each with boot shaped hyaline area on apical half.....
 *E. farouki* Silva

Eurypharsa championi Bergroth 1922

Eurypharsa championi Bergroth, 1922:151-152 [Brazil] (n. sp.); Drake & Hambleton 1938b: 53 (note); Monte 1940: 375 (note), 1941: 94 (cat.); Silva 1956: 27 (note); Drake & Ruhoff 1965: 214 (cat.).

Diagnosis. *Eurypharsa championi* can be easily separated from all related species by the irregularly sized areolae of the costal areas of the hemelytra and by the biseriate subcostal area.

Measurements. Male. (n =1) Length: 4.63; width at widest: 3.07; Head: Scape: 0.23; pedicel: 0.19; basiflagellomere: 1.79; distiflagellomere: 0.52; interocular distance: 0.33; Thorax: Thickness of thorax: 0.89; width at humeral angles: 1.30; length of pronotum in dorsal view: 1.77; length of hemelytron: 3.16; length of discoidal area: 1.95; width of discoidal area: 0.56; Abdomen: Length: 2.15; length of pygophore: 0.46; width of pygophore: 0.66. Female. (n =2) Length: 4.79–5.18; width at widest: 3.12–3.49; Head: Scape: 0.21–0.24; pedicel: 0.17–0.19; basiflagellomere: 1.58–1.72; distiflagellomere: 0.44–0.45; interocular distance: 0.33–0.38; Thorax: Thickness of thorax: 0.86-0.95; width at humeral angles: 1.33–1.42; length of pronotum in dorsal view: 1.93; length of hemelytron: 3.26-3.30; length of discoidal area: 2.03-2.30; width of discoidal area: 0.63–0.80; Abdomen: Length: 2.13–2.30; length of female terminalia: 0.66–0.88; width of female terminalia: 0.79–1.17.

Type specimen. Bergroth (1922) listed Brazil (Minas Gerais) as the type locality and provided range for the measurements, suggesting that he had more than one specimen. The type specimens were listed as deposited in the Helsinki museum (MZH) by Drake & Ruhoff (1965), but personal communication with Heidi Viljanen (MZH) could not confirm the presence of the types in their collection. Examination of specimens from NHMUK and MNHN resulted in specimens from Brazil, but it is unclear if these are from the original type series.

Comments. The specimens listed in appendix A.1 represent a new country record for Bolivia.

Geographic distribution. Bolivia, Brazil.

Ecology. Plant associations: None recorded..

Etymology. Presumably, this species was named in honor of G. C. Champion Esquire, British entomologist who authored the second volume of Rhynchota for the Biologia Centrali Americana series (Champion 1897, 1898a).

Material examined. See appendix A.1.

Eurypharsa circumdata (Blanchard, 1842 [“1847”]) [**Revised Status & New Combination**]

Tingis circumdata Blanchard 1842: pl. 29, fig. 9 [not fig. 7 as stated in text] (n. sp.); Blanchard 1847: 219 [Bolivia], Stål 1873: 134 (note); Leithierry & Severin 1896: 26 (cat.).

Tings nobilis Guérin-Méneville 1844 (n. sp.) [Colombia; Bolivia]. (synonymized by Champion 1898a, but used *nobilis* as valid name)

Eurypharsa nobilis: Stål 1873: 133 (note) [Brazil]; Leithierry & Severin 1896: 23 (cat.);

Champion 1898a:44 (note); 1898b:63; Horváth 1925: 220 (note) [Peru]; Drake 1931a:226 (note); Drake & Hambleton 1938b:53 (note); Monte 1941: 94 (cat.); Drake & Ruhoff 1965: 214 (cat.); Ojeda & Neciosup 1974: 115 (checklist); Cazorla & Knudson 2021: 24 (checklist) [Venezuela].

Diagnosis. *Eurypharsa circumdata* can be separated from all other species of *Eurypharsa* by the broadly expanded costal areas of the hemelytra with lateral margins completely infuscate and by lack of a transverse fuscous band in the costal area of hemelytra.

Measurements. Male. (n =2) Length: 7.71–7.97; width at widest: 6.20–6.55; Head: Scape: 0.31–0.36; pedicel: 0.19–0.22; basiflagellomere: 2.81–3.00; distiflagellomere: 0.75–0.77; interocular distance: 0.38–0.41; Thorax: Thickness of thorax: 1.31–1.47; width at humeral angles: 2.02–2.19; length of pronotum in dorsal view: 2.84–3.00; length of hemelytron: 5.72–6.09; length of discoidal area: 3.64–3.95; width of discoidal area: 0.92–0.94; Abdomen: Length: 3.44–3.54; length of pygophore: 0.60–0.66; width of pygophore: 1.00–1.04. Female. (n =2) Length: 6.42–7.59; width at widest: 5.64–6.00; Head: Scape: 0.32–0.34; pedicel: 0.17–0.18; basiflagellomere: 2.01–2.30; distiflagellomere: 0.61–0.72; interocular distance: 0.34–0.41; Thorax: Thickness of thorax: 1.14–1.35; width at humeral angles: 1.75–1.90; length of pronotum in dorsal view: 2.41–2.76; length of hemelytron: 4.71–5.56; length of discoidal area: 2.68–3.51; width of discoidal area: 0.74–0.92; Abdomen: Length: 2.71–2.93; length of female terminalia: 1.12–1.15; width of female terminalia: 1.14–1.38. Immature. (n =1) Length: 2.67; width at widest: 2.04; Head: Scape: 0.27; pedicel: 0.34; basiflagellomere: 0.31; distiflagellomere: 0.43; interocular distance: 0.86; Thorax: Thickness of thorax: 0.28; width at humeral angles: 1.78; length of pronotum in dorsal view: 0.37. Abdomen: Length: 1.55.

Type specimen. MUSEUM PARIS, BOLIVIA, (CHIQUITOS), D'ORBIGNY 1834; [Circular label] 8431, 34; *Tingis circumdata*; *Eurypharsa nobilis* (Guer-Men) J. PERICART det. 1979; Museum Paris, MNHN (EH) 20499; LECTOTYPE: *Tingis circumdata* Blanchard, Det. A. H. Knudson. Herein designated as lectotype. Specimen examined.

Comments. Sherborn & Griffin (1934) list the publication dates for the natural history portions of Alcide d'Orbigny's 'Voyage Amérique méridionale.' Blanchard's description of *Tingis circumdata* Blanchard, was not published until 1847, however plate 29 where this species is beautifully illustrated along with the first appearance of the name, was published in livraison

59 in 1842 (Sherborn & Griffin, 1934: 132). Blanchard incorrectly lists plate 28 for the location of the accompanying figure to the description found on page 219. Banks (1909) and Kirkaldy (1919) give the correct publication date for Guérin-Méneville (1844) *Iconographie du Règne Animal de G. Cuvier* for *Tingis nobilis*. Therefore, the oldest name for this species is *Tingis circumdata* which the illustration and first use of the name were published two years before *Tingis nobilis*. Drake & Ruhoff (1965) state that the type is unknown, but Champion (1898) suggests that one specimen in the Oxford collection represents one of Blanchard's types. Examination of Tingidae and MNHN revealed specimens from Alcide d'Orbigny' collected in Chiquitos Bolivia, or just Bolivia, see type specimen section. No specimens were found that corresponded directly with Guérin-Méneville (1844) and no specimens of this species were found at MNHN from Colombia, one of Guérin-Méneville (1844) type locations. The specimens listed in appendix A.1 from Trinidad and Costa Rica represent new country records.

Geographic distribution. Bolivia, Brazil, Colombia, Costa Rica, Paraguay, Peru, Trinidad, and Venezuela.

Ecology. Plant associations: No plant associations: have been recorded for this species, however several photographs of this species have recently been uploaded to iNaturalist.org, which suggest this species inhabits a ground dwelling vine.

Etymology. *Circumdata* (L.): enclosed or encircled, likely named for the infuscate markings along the lateral margins of the hemelytra that are unbroken.

Material examined. See appendix A.1.

Eurypharsa farouki Silva 1956

Eurypharsa farouki Silva, 1956:27 (n. sp.) [Brazil]; Drake & Ruhoff 1965: 214 (cat.).

Diagnosis. *Eurypharsa farouki* can be separated from all other species of *Eurypharsa* by the broadly expanded costal areas of the hemelytra with lateral margins completely infusate and by the boot-shaped hyaline area on the apical half of each costal area.

Measurements. Not taken in this study.

Type specimen. Was held at Centro Tecnológico Agropecuário da Bahia (CETAB), but is currently missing. One paratype is currently in the USNM.

Comments. The type specimens were originally deposited in the collection of the Instituto Biológico da Bahia, but this collection was subsequently transferred to the entomology collection at the Centro Tecnológico Agropecuário da Bahia (CETAB) (personal communication, Dr. Favízia Freitas de Oliveira, Universidade Federal da Bahia, Brazil). Dr. Cristiane de Jesus Barbosa (CETAB) has confirmed that the type series of this species is not present in their collection and may be lost or donated to other museums.

Geographic distribution. Known only from the type locality near Correntina, Bahia, Brazil.

Ecology. Plant associations: Silva (1956) mentions that the type specimens were collected from a vine, possibly a species of Malpighiaceae.

Etymology. Named in honor of Farouk Habib Silva (Silva 1956).

Material examined. See appendix A.1.

Eurypharsa fenestrata Champion 1898a

Eurypharsa fenestrata Champion, 1898a: 44 (n. sp.) [Panama]; Drake & Ruhoff 1965: 214 (cat.).
Froeschner 1999: 264 (cat.).

Diagnosis. *Eurypharsa fenestrata* can be easily separated from all related species by the irregularly sized areolae of the costal areas of the hemelytra and by the uniseriate subcostal area.

Measurements. Male. (n =2) Length: 5.28–5.27; width at widest: 3.61–4.01; Head: Scape: 0.24–0.25; pedicel: 0.15–0.18; basiflagellomere: 1.70–1.84; distiflagellomere: 0.43; interocular distance: 0.31–0.33; Thorax: Thickness of thorax: 0.85–0.89; width at humeral angles: 1.27–1.43; length of pronotum in dorsal view: 1.87–1.99; length of hemelytron: 3.24–3.65; length of discoidal area: 1.44–2.15; width of discoidal area: 0.52–0.57; Abdomen: Length: 2.31–2.33; length of pygophore: 0.44–0.48; width of pygophore: 0.59–0.62.

Type specimen. Holotype; Type; Bugaba, Panama, Champion; B.C.A. Rhyn. II., *Eurypharsa fenestrata* Ch.; Sp. figured; ♀; NHMUK 010748247 (♀ NHMUK). Specimen examined.

Comments. This species is known only from the type and the four specimens listed in appendix A.1 from Costa Rica and Ecuador, which represent new country records. The female terminalia were not described because the ventral surface of the type specimen is obstructed by a card.

Geographic distribution. Costa Rica, Panama and Ecuador.

Ecology. Plant associations: It is herein recorded from insecticidal fogging of *Virola koschnyi* Warburg [Myristicaceae].

Etymology. Likely named for the patches of large hyaline areole on the hemelytra.

Material examined. See appendix A.1.

Eurypharsa phyllophila Drake 1922

Eurypharsa phyllophila Drake, 1922: 359 (**n. sp.** .) [Brazil]; Monte 1941: 95 (cat.); Drake & Ruhoff 1965: 214 (cat.).

Diagnosis. *Eurypharsa phyllophila* can be separated from all other species of *Eurypharsa* by the lateral margin of hemelytra not completely infusate.

Measurements. Not taken in this study.

Type specimen. Type, *Eurypharsa, phyllophila*, D. Drake; figured, by Janson; Rio Guaporé, near [,] Forto Principe, Brazil, VIII, 25, 1909. [,] J. D. Haseman.; Carn. Mus. [,] Acc. 4043 (♂ CMNH). Specimen examined.

Comments. Drake 1922 lists the type as deposited in the CMNH, but several searches by Dr. John Rawlins, Vanessa Verdecica, and myself could not locate the type specimen. Inspection of material borrowed by Dr. Richard Froeschner revealed that all CMNH missing Tingidae holotypes are currently still on loan to the USNM. Examination of this specimen shows that it is most similar to *E. circumdata* and may be synonymical with *E. circumdata* as it only differs by the slightly larger areolae near the costal margin of the hemelytra which are not infusate for a brief section.

Geographic distribution. Known only from the type collected near Forte Príncipe Da Beira, on the Guaporé River in Rondônia, Brazil.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Eurypharsa quadrifenestrata Bergroth 1898

Eurypharsa quadrifenestrata Bergroth, 1898: 9 (n. sp.) [Brazil].

Eurypharsa quadrifenestrata: Bergroth 1922: 151 (note); Drake & Hambleton 1938b; 53 (note);
Monte 1941: 95 (cat.); Silva 1956: 30 (checklist); Drake & Ruhoff 1965: 214 (cat.).

Diagnosis. *Eurypharsa quadrifenestrata* can be separated from all other species of *Eurypharsa* by the broadly expanded costal areas of the hemelytra with lateral margins completely infusate and by trapezoidal-shaped hyaline area on the apical half of each costal area.

Measurements. Not taken in this study.

Type specimen. Brasil; type; *Eurypharsa 4-fenestrata*, type Berg. Mus. Zool. H:fors, Spec. typ. No 11799, *Eurypharsa 4-fenestrata* Bergr; Syntype; Photographed 2020 Pekka Malinen; <http://id.luomus.fi/GZ.50337>; BRAZIL (♂ MZH). Herein designated as lectotype. Photograph of specimen examined.

Geographic distribution. Brazil.

Ecology. Plant associations: None recorded..

Etymology. Likely named for the four hyaline areas of the hemelytra.

Material examined. See appendix A.1.

Hesperotingis Parshley, 1917

Hesperotingis Parshley, 1917: (n. g.); Monte 1947: 13 (checklist); Slater & Baranowski 1978: 114 (note);

Type species. *Hesperotingis Parshley*, 1917: *Hesperotingis antennata* Parshley, 1917 by original designation.

Geographic Distribution. Canada (AB, BC, MB, SK); United States: (CO, CT, D.C., FL, ME, MN, MO, NC, NE, NJ, NY, PA, TX).

Key to the species of *Hesperotingis*

- 1. Basiflagellomere longer than length of pronotum 2
 - Basiflagellomere as long or distinctly shorter than length of pronotum in dorsal view
..... 3
- 2. Basiflagellomere always longer than length of pronotum in dorsal view; south western North America *Hesperotingis duryi* (Osborn & Drake)
 - Basiflagellomere as long or shorter than length of pronotum in dorsal view of macropterous individuals, basiflagellomere elongate and longer than pronotum in brachypterous individuals; south eastern United States.....
..... *Hesperotingis floridana* Drake [In part]
- 3. Median carina distinctly lighter than lateral carinae.....
..... *Hesperotingis floridana* Drake [In part]
 - Median carina unicolorous with lateral carinae on pronotal disc, lateral carinae may be infuscate on posterior third..... 4

4. Dark gray to dark infusate species; basiflagellomeres distinctly shorter than one millimeter, abruptly dilated beyond middle and appearing fusiform at least near dilation 5
- Tan to red-brown species; basiflagellomeres distinctly one millimeter or longer, gradually dilated beyond middle not appearing weakly fusiform 6
5. Postero-mesial margins of eighth paratergites elongate, narrowly pointed; male pygophore usually without wax on basal depressions; eastern side of Rocky Mountains *Hesperotingis fuscata* Parshley
- Postero-mesial margins of eighth paratergites short, not as narrowly pointed; male pygophore with wax on basal depressions; Pacific northwest.....
.....*Hesperotingis scudderi* Knudson
6. Pronotal collar and calli usually with wax; triangular posterior projection distinctly lighter in color than disc throughout much or length; costal areas usually with few infusate veins beyond discoidal areas *Hesperotingis antennata* Parshley
- Pronotal collar and calli usually devoid wax; triangular posterior projection lighter in color than disc only beyond middle; costal areas usually several infusate veins throughout length *Hesperotingis floridana* Drake [In part]

***Hesperotingis antennata* Parshley 1917a**

Hesperotingis antennata Parshley, 1917a: (n. sp.) [CT; NJ; NY; PA]; 1917b: 57 (note); 1923: 707 (note); Barber 1922a: 17 (note); 1922b: 23 (note); Olsen 1923: 163 (note), McAtee 1923: 145 (note) [D.C.], Blatchley 1926: 493 (note); Drake 1928:102 (note); Froeschner 1944: 670 [MO]; 1988: 724 (cat.), Torre-Bueno 1946: 96; Bailey 1951: 22 (note) [MA;

NH; *Andropogon*]; Drake & Ruhoff 1965: 242 (cat.); Froeschner 1988: (cat.); Maw et al. 2000: 126 (checklist); Wheeler 2020 (note) [NC; NE].

Hesperotingis antennata Var *borealis* Parshley 1917a: 24 (n. sp.) [NH]; 1917b: 57; Froeschner 1944: 670 [MO]; Hurd 1946: 447 [DC]; Bailey 1951: 22 (note); Drake & Ruhoff 1965: 242 (cat.).

Hesperotingis antennata borealis: Froeschner 1988: 724 (cat.); [**Resynonomised**].

Diagnosis. *Hesperotingis antennata* can be separated from all congeners by a combination of the following characters; basiflagellomere usually as long or shorter than length of pronotum, pronotal collar and calli usually with wax, median carina concolorous with lateral carinae, triangular posterior projection distinctly lighter in color than disc throughout much or length and costal areas usually with few infusate veins beyond discoidal areas.

Measurements. Male. (n =2) Length: 3.10–3.26; width at widest: 1.21–1.30; Head: Scape: 0.25–0.26; pedicel: 0.19; basiflagellomere: 1.22–1.39; distiflagellomere: 0.24–0.26; interocular distance: 0.22–0.26; Thorax: Thickness of thorax: 0.58–0.67; width at humeral angles: 0.70–0.82; length of pronotum in dorsal view: 1.08–1.16; length of hemelytron: 2.04–2.13.; length of discoidal area: 1.17–1.23; width of discoidal area: 0.29–0.34; Abdomen: Length: 1.55–1.58; length of pygophore: 0.34–0.36; width of pygophore: 0.56–0.58. Female. (n =4) Length: 3.66–4.50; width at widest: 1.67–1.82; Head: Scape: 0.21–0.26; pedicel: 0.17–0.19; basiflagellomere: 1.11–1.24; distiflagellomere: 0.24–0.30; interocular distance: 0.32–0.34; Thorax: Thickness of thorax: 0.66–0.93; width at humeral angles: 0.94–1.82; length of pronotum in dorsal view: 1.22–1.73; length of hemelytron: 2.49–2.95; length of discoidal area: 1.58–1.79; width of discoidal area: 0.43–0.51; Abdomen: Length: 1.77–1.97; length of female terminalia: 0.66–0.84; width of female terminalia: 0.80–0.99.

Type specimen. Lakehurst, N. J. VI, 27; C J Drake , Coll. 1956; HOLOTYPE, *Hesperotingis antennata* Parsh.; USNMENT, 00871228 (♀ USNM). Specimen examined.

Comments. A single specimen I have examined from NE corresponds well with *Hesperotingis fuscata* Parshley and not *H. antennata*. Examination of additional specimens is needed to confirm state specific localities.

Geographic distribution. USA: AL, CT, DC, MA, MI, MO, MS, NC, NE?, NH, NJ, NY, PA, SC, TN.

Ecology. Plant associations: Collected from crowns of *Schizachyrium scoparium* (Michx.) Nash [Poaceae] and *Andropogon gerardi* Vitman [Poaceae] (Wheeler 2020)

Etymology. Likely named for its large broadly dilated basiflagellomeres.

Material examined. See appendix A.1.

Hesperotingis duryi (Osborn & Drake) 1916

Melanorhopala duryi Osborn & Drake 1916:15 (n. sp.) [USA: TX]; 1917: 159 (note); Parshley 1917: 19.

Hesperotingis duryi: Hurd 1946: 447 (key); Drake & Ruhoff 1965: 242; Froeschner 1988: 724 (cat.).

Hesperotingis (Melanorhopala) duryi var. *confusa* Drake 1922: (n. var.) [USA: TX].

Hesperotingis duryi var. *confusa*: Drake & Ruhoff 1965: 242 (cat.);

Hesperotingis duryi confusa: Froeschner 1988: 724 (cat.). [Resynonomised]

Melanorhopala balli Drake 1928: 3 (n. sp.) [USA: CO]; Drake & Ruhoff 1965: 297 (cat.); Henry & Wheeler 1986: 235, 236, 239 fig. 5 (note); Froeschner 1988: 724 (cat). [**New**

Synonymy]

Diagnosis. *Hesperotingis duryi* can be easily separated from all congeners by the long basiflagellomeres which are always longer than length of pronotum in dorsal view, and by the strongly raised cubitus veins in brachypterous individuals.

Measurements. Male. (n =2) Length: 3.34–3.43 width at widest: 1.21–1.31; Head: Scape: 0.24–0.32; pedicel: 0.23–0.28; basiflagellomere: 1.53–1.69; distiflagellomere: 0.31–0.36; interocular distance: 0.33–0.34; Thorax: Thickness of thorax: 0.57–0.58; width at humeral angles: 0.74–0.78; length of pronotum in dorsal view: 1.15–1.16; length of hemelytron: 2.21–2.24; length of discoidal area: 1.16–1.29; width of discoidal area: 0.38–0.41; Abdomen: Length: 1.69–1.75; length of pygophore: 0.35–0.46; width of pygophore: 0.52–0.59. Female. (n = 4) Length: 3.38–4.39; width at widest: 1.48–1.66; Head: Scape: 0.23–0.27; pedicel: 0.19–0.24; basiflagellomere: 1.26–1.32; distiflagellomere: 0.25–0.30; interocular distance: 0.35–0.40; Thorax: Thickness of thorax: 0.64–0.93; width at humeral angles: 0.81–1.16; length of pronotum in dorsal view: 1.12–1.55; length of hemelytron: 2.25–3.00; length of discoidal area: 1.4–1.61; width of discoidal area: 0.46–0.50; Abdomen: Length: 1.78–1.95; length of female terminalia: 0.74–0.86; width of female terminalia: 0.88–0.96.

Type specimen. Brownsville, Texas, Apr 12 may 20; Type, *Melanorhopala duryi* O&D.; C J Drake, Coll. 1956; USNMMENT 00866892 (♀ USNM). Specimen examined.

Comments. I have not seen specimens from Florida, however specimens listed in appendix A.1 under *H. floridana* Drake were confused with *H. confusa*, which may explain Hurd's (1946) report of this species from Florida. The specimens listed in appendix A.1 from

Eddy County New Mexico are represented by one macropterous individual, several specimens that agree with the type of *H. duryi*, several specimens that agree with the type *H. d. confusa*, and intermediate specimens as well. The male specimens from the series mentioned above do not differ from the type of *Melanorhopala balli*. I hereby resynonymize *Hesperotingis duryi confusa* with *H. duryi* and synonymize *Melanorhopala balli* with *H. duryi*.

The combination presented in Drake (1922) is ambiguous by modern standards. Drake suggested to move *Melanorhopala duryi* to *Hesperotingis* and also stated that the two genera *Hesperotingis* and *Melanorhopala* should be treated as separate genera. As such, the original combination *Hesperotingis (Melanorhopala) duryi* var. *confusa*, likely was an indication of previous placement of *duryi* and was not an indication of subgeneric consideration for *Melanorhopala*.

Geographic distribution. USA: AZ, CO, NM, TX, UT.

Ecology. Collected from *Atriplex canescens* (Pursh) Nutt., *Gutierrezia sarothrae* (Pursh) Britt. & Rusby, *Isocoma tenuisecta* Greene; from label data in appendix.

Etymology. Presumably, this species was originally named for its collector.

Material examined. See appendix A.1.

Hesperotingis floridana Drake 1928

Hesperotingis floridana Drake 1928:4 (n. sp.) [USA: FL]; Drake & Ruhoff 1965: 243 (cat.);

Froeschner 1988: 724 (cat.).

Hesperotingis antennata: Blatchley 1928:5 [misdet.] [*Tillandsia* sp. on *Quercus rubera*]

Hesperotingis duryi: Hurd 1946: 447 (key) [FL] [misdet.].

Hesperotingis mississippiensis Drake 1928: 4 (n. sp.) [USA: MS]; Drake & Ruhoff 1965: 243

(cat.) [FL]; Beshear 1974 [USA: GA, SC; *Tillandsia usneoides*]; Beshear et al. 1976: 11,

23 fig.12. Froeschner 1988: 724 (cat.). [**New Synonymy**]

Diagnosis. *Hesperotingis floridana* can be easily separated from its congeners by the mostly dark-brown posterior triangular projection of pronotum that abruptly transitions to white on apex, by the transverse fuscous markings of the costal area of the hemelytra, and by the transverse veins (there may be one or two) that cross the subcostal area of the hemelytra near the apex of discoidal area.

Male. (n =2) Length: 2.76–3.02 width at widest: 1.146–1.16; Head: Scape: 0.22–0.25; pedicel: 0.16–0.16; basiflagellomere: 1.21–1.40; distiflagellomere: 0.21–0.27; interocular distance: 0.25–0.26; Thorax: Thickness of thorax: 0.52–0.54; width at humeral angles: 0.69–0.70; length of pronotum in dorsal view: 0.96–1.08; length of hemelytron: 1.88–1.98; length of discoidal area: 1.01–1.10; width of discoidal area: 0.27–0.30; Abdomen: Length: 1.45–1.55; length of pygophore: 0.29–0.42; width of pygophore: 0.50–0.52. Female. (n = 3) Length: 3.04–3.67; width at widest: 1.34–1.58; Head: Scape: 0.17–0.28; pedicel: 0.15; basiflagellomere: 0.87–1.21; distiflagellomere: 0.22–0.25; interocular distance: 0.29–0.35; Thorax: Thickness of thorax: 0.60–0.82; width at humeral angles: 0.75–1.02; length of pronotum in dorsal view: 1.01–1.37; length of hemelytron: 2.04–2.50; length of discoidal area: 1.31–1.47; width of discoidal area: 0.40–0.44; Abdomen: Length: 1.37–1.67; length of female terminalia: 0.57–0.74; width of female terminalia: 0.77–0.81.

Type specimen. E. Fla. Ashmead.; C J Drake Coll. 1956; HOLOTYPE *Hesperotingis floridana* Drake; *Hesperotingis floridana* Drake. Type.; USNM, 00871123 (♀ USNM).

Specimen examined.

Comments. The labels of the type specimen indicate that this species was first collected in E. Fla. [East Florida], east of the Suwanee River, but a specific location for the type specimen is not known. The collector of the type, William Harris Ashmead, was an American entomologist who worked for the Ministry of Agriculture of Florida in 1887 and spent some time in Florida for several years (Howard 1908). During 1888 Ashmead was an Entomologist for the Agriculture research station at Lake City Florida (Howard 1908). This suggests that the type was collected sometime in the 1880's or early 1890's. All specimens aside for the holotype are brachypterous, but these specimens do not match brachypterous specimens of any other species of *Hesperotingis* and the pattern of the costal area of the hemelytra and the infuscation of the posterior triangular posterior projection match the holotype of *H. floridana*. The type of *Hesperotingis mississippiensis* is a brachypterous male and conforms with the general morphology of *H. floridana*. I hereby subjectively synonymize *H. mississippiensis* with *H. floridana*.

Geographic distribution. USA: FL, GA, MS, SC.

Ecology. Plant associations: *Tillandsia* sp. (Blatchley 1928), *Tillandsia usneoides* (Beshear 1974), and label data below.

Etymology. This species was described from Florida.

Material examined. See appendix A.1.

Hesperotingis fuscata Parshley, 1917a

Hesperotingis fuscata Parshley 1917a (n. sp.) [CO]; Hurd 1946: 447 (note) [KS]; Drake &

Ruhoff 1965: 243 (cat.); Froeschner 1988: 724 (cat.); Maw et al 2000: 126 (checklist).

Hesperotingis antennata: Rider et al. 2000 (faunistic study) [MN].

Hesperotingis sp.: Rider et al. 2000.

Diagnosis. *Hesperotingis fuscata* can be separated from all other species by the general gray to dark infusate color, by the basiflagellomeres distinctly shorter than one millimeter which are abruptly dilated beyond middle and appearing fusiform at least near dilated areas, by the median carina which is mostly concolorous with lateral carinae, by apical mesial margins of eighth paratergites elongate, and by the narrowly pointed male pygophore usually without wax on basal depressions.

Measurements. Male. (n =2) Length: 2.90–2.93 width at widest: 1.24–1.32; Head: Scape: 0.21–0.23; pedicel: 0.15–0.16; basiflagellomere: 0.93–1.02; distiflagellomere: 0.20–0.24; interocular distance: 0.27–0.28; Thorax: Thickness of thorax: 0.56–0.63; width at humeral angles: 0.76–0.78; length of pronotum in dorsal view: 1.02–1.08; length of hemelytron: 1.91–1.96; length of discoidal area: 1.10–1.16; width of discoidal area: 0.32–0.35; Abdomen: Length: 1.43–1.54; length of pygophore: 0.37–0.42; width of pygophore: 0.58–0.6. Female. (n = 3) Length: 3.46–4.16; width at widest: 1.64–1.75; Head: Scape: 0.25–0.26; pedicel: 0.15–0.18; basiflagellomere: 1.01–1.04; distiflagellomere: 0.23–0.24; interocular distance: 0.30–0.32; Thorax: Thickness of thorax: 0.69–0.94; width at humeral angles: 0.89–1.16; length of pronotum in dorsal view: 1.27–1.42; length of hemelytron: 2.42–2.91; length of discoidal area: 1.55–1.71; width of discoidal area: 0.43–0.48; Abdomen: Length: 1.83–1.92; length of female terminalia: 0.78–0.80; width of female terminalia: 0.89–1.05.

Type specimen. Golden, Col., VII: 21: [19]09; Col. By W. J. Gerhard; C J Drake Coll. 1956; *Hesperotingis fuscata* Parsh. Det. Drake; HOLOTYPE: ♀ *Hesperotingis fuscata* Parshley USNM 00871229 (brachypterous ♀ USNM) Specimen examined.

Comments. Parshley's (1917a) description was based on one melanistic female specimen and he described the subcostal area of the hemelytra as biseriate with a few additional cells, but the holotype has nearly three complete rows of areolae in both subcostal areas of the hemelytra. Most specimens are lighter ferruginous to tan and appear superficially similar to *H. antennata*. The specimens listed in appendix A.1 from Manitoba, Minnesota, North Dakota, Nebraska, Saskatchewan, South Dakota, and Wisconsin represent new state and provincial records.

Geographic distribution. Canada: SK, MB; USA: CO, KS, ND, NE, SD, WI.

Ecology. Plant associations: Swept from stands of *Schizachyrium scoparium* (Michx.) Nash (Poaceae).

Etymology. Likely named for this species uniform dark *fusc*- color.

Material examined. See appendix A.1.

Hesperotingis scudderi Knudson, **new species**

Hesperotingis fuscata: Maw et al 2000: 126 (checklist) [Canada: BC].

Diagnosis. *Hesperotingis scudderi* can be separated from *Hesperotingis fuscata*, by the slightly longer basiflagellomeres, the slightly smaller size and the more vertical paranota.

Description. Generally ovate, dark fuscous species, with cream-colored pubescence.

Head. Dark brown, vertex with mostly devoid of setae; occipital spines dark-brown, subparallel to weakly diverging, moderately stout, adpressed to head, short, not surpassing base of medial spine, subequal in length to width of eye; medial spine dark-brown, slender, porrect, short, subequal to length of occipital spines, apex not passing beyond bases of paired frontal spines; frontal spines concolorous with occipital spines, incurved at base, moderately elongate, as long

as or longer than occipital spines; antenniferous tubercles brown, lighter near antennal insertions, moderately elongate, as long as width of eye. Antennae dark-brown to black; scape dark-brown, stout, barrel-shaped, slightly thicker near base than apex, as long as to one and one-third times as long as width of eye, with whitish wax and brown slender setae; pedicel concolorous with, and slightly narrower than scape, thirds length two-thirds length of scape, with slender curved setae; basiflagellomere dark infuscate nearly throughout, slender near base, abruptly dilated beyond basal fourth, broadly dilated towards apex, almost uniformly dilated in males, but broadest near apex, four and one-half to five times length of scape, beset with stout, curved setae; distiflagellomere concolorous with apex of basiflagellomere, obclavate, broadest near base, acuminate at apex, subequal to length to scape, one-third narrower than apex of basiflagellomere, with elongate, erect, tan setae. Eyes large, ovate. Maxillary plates brown, punctate, areolae filled with pubescence; clypeus brown, covered with whitish-grey pubescence; bucculae brown, contiguous apically, apex subparallel with apex of clypeus, triseriate, ventral margin in lateral view mostly flat, weakly rounded, with a slight notch below each eye. Rostrum brown, fourth segment infuscate on apical half, moderately elongate, extending to first or second abdominal sternite.

Thorax. Pronotal collar dark red-brown, low, truncate apically, narrow; pronotum punctate, punctures deep, minute, filled with white pubescence, interpunctural distance at most elevated area of pronotal disc as wide as diameter of punctures, pronotal disc red-brown; calli dark-brown, surrounded by minute pubescence; pronotal hood red-brown, low, only two areolae tall in lateral view, short, four to five areolae long in dorsal view, apically truncate, not covering bases of occipital spines, weakly tumid near middle, with minute white-colored setae on; paranota biseriate opposite calli, basal row explanate with minute areolae, lateral margin reflexed

upwards, subvertical, not adpressed against lateral margins of pronotum; carinae gray-brown, uniseriate, median carina slightly more elevated than lateral carinae; lateral carinae mostly subparallel; triangular posterior projection concolorous with disc, areolae similarly sized to punctured of disc near base abruptly larger on apical half towards apex; propleuron brown, with four or five rows of punctures, punctures with minute white pubescence. Prothoracic sternal laminae widest at apex, directed mesally posteriorly; mesothoracic sternal laminae weakly crescentic-shaped, elevated, slightly wider than prothoracic sternal laminae; metathoracic sternal laminae wider than mesothoracic sternal laminae, subequal near base, but widening throughout length, weakly curving mesally posteriorly; metasternum dark-brown, concave, with adpressed white pubescence. Legs dark-brown; coxae dark-brown, with minute, whitish-colored pubescence; trochanters brown, shorter in length to coxae; femora brown, short, widest beyond middle, with minute pubescence and whitish wax; tibiae lighter brown, subequal in length to length of femora and trochanter combined, slightly curved on apical fourth; basitarsi minute, dark infusate; distitarsi darker infusate on apical half. Ostoliar peritremes ovate, one and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra extending beyond apex of abdomen only slightly beyond in brachypterous individuals; each hypocostal area uniseriate, areolae ovate, areolae margined with whitish pubescence; each costa dark-brown with variegated infusate markings; costal areas uniseriate, areolae hyaline, veins brown with dark infusate markings; each subcosta brown; subcostal areas biseriate in males to irregularly triseriate in females, areolae tan-grey margined with minute pubescence; veins brown with some darker brown markings; each R+M vein brown, sinusoidal; discoidal areas, three four in males to four to five areolae at widest in females, midpoints beyond apex of triangular posterior projection, areolae tan-grey, veins dark-brown, margined with minute pubescence, one darker

brown transverse vein occasional in one or both discoidal areas; cubitus veins weakly raised, thickest near middle; sutural areas concolorous with discoidal areas, but lighter in color near lateral margins, broad with five (brachypterous) areolae at widest, areolae at base slightly larger than areolae in discoidal area, and mostly uniform in size in.

Abdomen. Dark red-brown, ovate, widest near middle, basal abdominal segment with whitish downcurved, pubescence, lateral margins of sternites above spiracular peritremes with dense patches of minute white-colored setae; sutures between abdominal segments II & III and III & IV with downcurved cream-colored setae; eighth paratergites weakly rounded, not depressed near base; ninth paratergites with one very weak diagonal vertical furrow throughout length, proximal margins very broad, weakly depressed along distal margins; apical third excavate, with dense whitish pubescence. Pygophore slightly darker than abdomen, broad, slightly narrower than preceding abdominal segment, subequal in length to combined length of two preceding abdominal segments, with a few scattered short, slender setae, basal depressions with whitish pubescence; parameres stoutest near base, darker in color than pygophore on basal fourth, abruptly red-brown and narrowed beyond basal half, weakly angulate and directed ventrally beyond basal two-thirds, lateral margins beset with elongate slender setae.

Measurements. Male. (n =4; holotype in parentheses) Length: 2.98(3.02)–3.20; width at widest: 1.30– (1.35)1.38; Head: Scape: 0.17–(0.22); pedicel: 0.16(0.17)–0.19; basiflagellomere: 0.99(1.07)–1.16; distiflagellomere: 0.18(0.21)–0.25; interocular distance: 0.26–(0.28)0.32; Thorax: Thickness of thorax: 0.58(0.61)–0.64; width at humeral angles: 0.75–(0.81)0.84; length of pronotum in dorsal view: (1.05)–1.19; length of hemelytron: (1.96)–2.12; length of discoidal area: 1.16–(1.22); width of discoidal area: 0.29–(0.35); Abdomen: Length: (1.54)–1.71; length of pygophore: (0.39)–0.45; width of pygophore: (0.61)–0.47. Female. (n =2) Length: 3.10–3.16;

width at widest: 1.51–1.55; Head: Scape: 0.19–0.21; pedicel: 0.16–0.20; basiflagellomere: 0.90–0.93; distiflagellomere: 0.20–0.21; interocular distance: 0.29; Thorax: Thickness of thorax: 0.62–0.70; width at humeral angles: 0.84–0.89; length of pronotum in dorsal view: 1.10–1.13; length of hemelytron: 2.15–2.18; length of discoidal area: 1.25–1.40; width of discoidal area: 0.37–0.47; Abdomen: Length: 1.54–1.76; length of female terminalia: 0.71–0.81; width of female terminalia: 0.82–0.94.

Type specimen. BC, Fairview, White L[ake]. 11.VII-10.VIII.1995, J. Jarrett; SATH Habitat, SWm, BGxh1, Pitfall trap, WL 2-3; *Hesperotingis fuscatus* Parsh. G. G. E. Scudder det. 1998; SEM-UBC, TIN-1210 (♂ UBCZ)

Comments. This species has been previously reported as *H. antennata* and *H. fuscata* by Maw et al. (2000). It may also occur in Alberta, but specimens need to be examined to confirm the extent of this species geographic distribution.

Geographic distribution. Canada: BC.

Ecology. Collected in pitfall traps. Plant association: unrecorded.

Etymology. Named after the great Canadian Heteropterist, G.G. E. Scudder, for his monumental work towards documenting Canadian Heteroptera.

Material examined. Paratypes: CANADA: BRITISH COLUMBIA: Cranbrook, 23-VII-1959, L. A. Kelton, Ponderosa pine, CNC 1176779, *Hesperotingis antennata* Parsh, G. G. E. Scudder det. 2000 (brachypterous 1♂, CNC); Cranbrook, 23-VII-1959, L. A. Kelton, Ponderosa pine, CNC 1176780, *Hesperotingis antennata* Parshley, Froeschner '99 (brachypterous 1♂, CNC). Kilpoola L, 15-VII-16-VIII-1996, J. Jarrett & G. G. E. Scudder, PPxh1, 8WJ:F/2SS:F, Pitfall trap KL 3-5; Barcode of Life DNA Voucher specimen Sample ID: CNC-HEM-1198, BOLD Proc ID: HCNC723-09; *Hesperotingis fuscatus* [sic] Parsh G.G.E. Scudder det. 1998

(brachypterous 1♀, CNC). Kilpoola L, 15-VII-16-VIII-1996, J. Jarrett & G. G. E. Scudder, PPxh1; 8WJ:F/2SS:F, Pitfall trap KL 3-4; Barcode of Life DNA Voucher specimen Sample ID: CNC-HEM-1199, BOLD Proc ID: HCNC724-09; *Hesperotingis fuscatus* [sic] Parsh G.G.E. Scudder det. 1998 (brachypterous 1♀, CNC).

***Melanorhopala* Stål, 1873**

Melanorhopala Stål 1873: (n. g.); Monte 1947: 18 (checklist); Slater & Baranowski 1978: 114-115 (note);

Type species. *Melanorhopala* Stål 1873: *Tingis (Melanorhopala) clavata* Stål, 1873 by subsequent designation.

Geographic Distribution. North America north of Mexico

Key to the species of *Melanorhopala*

A key will be provided in a future publication

Melanorhopala clavata (Stål 1873)

Tingis (Melanorhopala) clavata Stål 1873: 131 (n. sp.) [NY, WI].

Tingis (Melanorhopala) lurida Stål 1873: 131 (n. sp.) [IL].

Tingis (Melanorhopala) uniformis Stål 1873: 131 (n. sp.).

Cantacader henshawi Ashmead 1886: 20 (n. sp.) [MA]. Synonymized by Horváth 1908: 564.

Lasiacantha clavata: Lethierry & Severin 1886: 19 (cat.).

Lasiacantha lurida: Lethierry & Severin 1886: 19 (cat.).

Lasiacantha uniformis: Lethierry & Severin 1886: 19 (cat.).

Melanorhopala clavata: Torre-Bueno 1908: 231 (checklist), 1910: 30 (checklist); Smith 1910: 149 [NJ]; Osborn & Drake 1916: 244, 1917: 159 [IA, NE]; Van Duzee 1917: 220 [Canada: MB]; Parshley: 1917: 56 [CT, RI], 1919: 102, 1920: 274, 1923: 706; Barber 1922: 17; Drake 1922: 66, 1926: 376, 1928: 102, 1930: 269; Blatchley 1926: 491 [IN]; Froeschner 1944: 670 [MO]; Proctor 1946: 75; Hurd 1946: 446; Bailey: 21 [FL, NH, *Solidego*]; Drake & Ruhoff 1965: 297 (cat.); Froeschner 1988: 728 (cat.); Torrez-Miller 1989: 10; Maw et. al 2000: 127; Hanson 2009: 11.

Tingis clavata: Crevecoeur 1905: (checklist) [KS]; Osborn & Drake 1915: 506 [OH].

Melanorhopala lurida: Osborn & Drake 1916: 244, 1917: 160; Van Duzee 1916: 220 [KS]; Parshley 1917: 19; Hussy 1922: 11 [ND]; Drake 1926: Plate 34, fig. a.

Melanorhopala uniformis: Osborn & Drake 1916: 245 [SD], 1917: 160; Parshley 1917: 19; Drake 1926: Plate 34, fig. c.

Melanorhopala obscura Parshley 1916: 167 (n. sp.) [MA], 1917a: 57, 1917b: 47. Synonymized by Parshley 1919: 102.

Melanorhopala reflexa Blatchley 1926: 492 (n. sp.) [IN]. Synonymized by Drake 1930: 269.

Diagnosis. Can be separated from its only congener by the slightly larger size, and slightly longer basiflagellomeres.

Measurements. Male. (n =4) Length: 4.22–5.27; width at widest: 1.38–1.56; Head: Scape: 0.32–0.40; pedicel: 0.20–0.24; basiflagellomere: 2.30–2.64; distiflagellomere: 0.33–0.46; interocular distance: 0.35–0.42; Thorax: Thickness of thorax: 0.61–1.00; width at humeral angles: 0.96–1.23; length of pronotum in dorsal view: 1.36–1.79; length of hemelytron: 2.92–3.69; length of discoidal area: 1.49–1.84; width of discoidal area: 0.40–0.44; Abdomen: Length: 1.94–2.21; length of pygophore: 0.33–0.47; width of pygophore: 0.61–0.66. Female. (n = 4)

Length: 4.65–6.18; width at widest: 1.65–2.11; Head: Scape: 0.36–0.43; pedicel: 0.22–0.26; basiflagellomere: 2.21–2.62; distiflagellomere: 0.41–0.46; interocular distance: 0.40–0.45; Thorax: Thickness of thorax: 1.02–1.07; width at humeral angles: 0.94–1.29; length of pronotum in dorsal view: 1.44–2.11; length of hemelytron: 3.04–4.31; length of discoidal area: 1.95–2.67; width of discoidal area: 0.51–0.73; Abdomen: Length: 2.32–2.08; length of female terminalia: 0.76–0.91; width of female terminalia: 1.00–1.24.

Type specimen. Wiscon-sin.; Kimli-en.; clavata Stål; Typus; NHRS-GULI 000075722 (♀ NHRS) herein designated as lectotype. Photograph of specimen examined.

Comments. Stål (1873) listed New York and Wisconsin for specimens examined.

Geographic distribution. Canada: AL, MB, NB, NS, OT, QB, SK; USA: CT, FL, IA, IL, IN, KS, MA, ME, MI, MN, MO, MS, NB, ND, NH, NJ, NY, OH, PA, RI, SD, WI, WV.

Ecology. Plant associations: I have personally collected specimens from *Soledego missouriensis* Nutt.

Etymology. Likely named for the extremely clavate apex of each basiflagellomere.

Material examined. See appendix A.1.

***Melanorhopala new species* Henry**

Melanorhopala clavata: Drake 1926: 376 [CO]; Hurd 1946: 446 [WY]; Maw et al. 2000: 127 [BC].

Diagnosis. Separated from *M. clavata* by the slightly smaller size (4.01) the wider base of the basiflagellomeres that are subequal to basal width of fore femora, by the eyes that are uniformly ovate, and the lighter color.

Description. A description will appear in a future publication with Tom Henry.

Measurements. Male. (n =3) Length: 4.01–4.83; width at widest: 1.38–1.45; Head: Scape: 0.30–0.38; pedicel: 0.19–0.24; basiflagellomere: 1.99–2.41; distiflagellomere: 0.38–0.46; interocular distance: 0.36–0.38; Thorax: Thickness of thorax: 0.66–0.96; width at humeral angles: 0.89–1.13; length of pronotum in dorsal view: 1.27–1.85; length of hemelytron: 2.71–3.72; length of discoidal area: 1.39–1.74; width of discoidal area: 0.39–0.41; Abdomen: Length: 1.90–2.02; length of pygophore: 0.41–0.48; width of pygophore: 0.66–0.67. Female. (n = 4) Length: 4.21–5.52; width at widest: 1.75–1.98; Head: Scape: 0.30–0.38; pedicel: 0.19–0.24; basiflagellomere: 1.71–2.23; distiflagellomere: 0.38–0.44; interocular distance: 0.40–0.48; Thorax: Thickness of thorax: 0.77–1.07; width at humeral angles: 1.09–1.33; length of pronotum in dorsal view: 1.56–1.97; length of hemelytron: 3.19–3.79; length of discoidal area: 1.50–2.11; width of discoidal area: 0.48–0.65; Abdomen: Length: 2.05–2.40; length of female terminalia: 0.82–0.92; width of female terminalia: 1.04–1.19.

Type specimen. not yet selected.

Comments. Most western records of *M. clavata* correspond to this species.

Geographic distribution. Canada: AB. USA: CA, CO, MT, ND, NV, SD, UT, WY.

Ecology. Plant associations: I have personally collected three specimens from *Ericameria nauseosa* (Pall. ex Pursh) G.L.Nesom & G.I.Baird [Asteraceae].

Material examined. See appendix A.1.

New Genus Henry

Key to the species of New Genus Henry

1. Costal area of each hemelytron biseriate beyond discoidal cell; eastern United States 2
 - Costal area of each hemelytron entirely uniseriate or occasionally uni-biseriate beyond discoidal area; southwestern United States to northern Central America and Caribbean .. 3
2. (Adapted from couplet 2 of Henry & Wheeler 1986) pedicel distinctly shorter and slenderer than scape; basiflagellomere nearly uniformly slender weakly dilated beyond base in male specimens; lateral height of eye distinctly less than distance from lower margin of eye to lower margin of buccula *Melanorhopala infuscata* Parshley
 - Pedicel subequal to length and thickness of scape; basiflagellomere distinctly dilated on basal half of male specimens; lateral height of eye distinctly greater than distance from lower margin of eye to lower margin of buccula
.....*Melanorhopala froeschneri* Henry & Wheeler
3. Dark brown or ashen colored insects, costal areas always uniseriate 4
 - Lighter brown with variegate markings, costal areas uniseriate to uni-biseriate beyond discoidal cell 5
4. Antennae slender and densely pilose, total length short (3.8 to 4.3mm)
.....*Teleonemia consors* Drake
 - Antennae stouter and more moderately pilose, total length longer than 4.7mm
.....*Teleonemia barberi* Drake

5. Small species, male not longer than 3.8mm, female not longer than 4mm; basiflagellomere no longer than (1.49); male pygophore only slightly narrower than width of preceding abdominal segment; Jamaica *Teleonemia* n. sp. 28
- Larger species, male longer than 4.2mm, female longer than 4.6mm; basiflagellomere longer than (1.49); male pygophore one-third narrower than width of preceding abdominal segment; Southern United States to Northern Central America
.....*Teleonemia variegata* Champion

***Teleonemia barberi* Drake 1918**

Teleonemia barberi Drake 1918: 325, 328 (n. sp.) [AZ, TX, *Chilopsis*]; Drake & Ruhoff, 1965: 372 (cat.); Froeschner 1988: 731 (cat.).

Diagnosis. *Teleonemia barberi* can be separated from all related species by the dark ashen color, the basiflagellomeres broadly dilated near base that become slender towards apex, the large size (over 4mm), the long rostrum reaching the base of the abdomen, and the bucculae which are not completely contiguous apically in a front on view.

Measurements. Male. (n =2) Length: 4.50–4.62; width at widest: 1.49–1.60; Head: Scape: 0.25–0.26; pedicel: 0.20; basiflagellomere: 1.50–1.57; distiflagellomere: 0.41–0.46; interocular distance: 0.34–0.38; Thorax: Thickness of thorax: 0.88–0.93; width at humeral angles: 1.15–1.21; length of pronotum in dorsal view: 1.84–1.98; length of hemelytron: 3.16–3.25; length of discoidal area: 1.43–1.63; width of discoidal area: 0.44–0.45; Abdomen: Length: 2.02–2.13; length of pygophore: 0.50–0.54; width of pygophore: 0.75–0.78. Female. (n = 2) Length: 4.39–4.81; width at widest: 1.59–1.71; Head: Scape: 0.21–0.26; pedicel: 0.19–0.21; basiflagellomere: 1.27–1.42; distiflagellomere: 0.39–0.43; interocular distance: 0.34–0.39;

Thorax: Thickness of thorax: 0.91–0.94; width at humeral angles: 1.12–1.23; length of pronotum in dorsal view: 1.76–1.97; length of hemelytron: 3.05–3.34; length of discoidal area: 1.75–1.91; width of discoidal area: 0.49–0.57; Abdomen: Length: 2.10–2.36; length of female terminalia: 0.98–0.99; width of female terminalia: 1.13–1.15.

Type specimen. Huachuea Mts., Ariz. July 23' [19]05; Collection of H. G. Barber; TYPE; Type No 64723 USNM; *Teleonemia barberi* Drake Type; USNMENT 00871149 (♀ USNM). Specimen examined.

Comments. The specimen listed in appendix A.1 from Mexico, represents a new country record.

Geographic distribution. Mexico: Chihuahua. USA: AZ, NM, and TX.

Ecology. Plant associations: *Chilopsis* sp. [Bignoniaceae] (Drake 1918). One specimen below may have been collected from *Nepeta cataria* L. [Lamiaceae]. and one specimen from TAMU was collected from *Mimosa aculeaticarpa*. Also *Ortega* var. *biuncifera* (Benth.) Barneby, Photo# 1745032 on bugguide.net.

Etymology. Named in honor of H. G. Barber.

Material examined. See appendix A.1.

***Teleonemia consors* Drake 1918**

Teleonemia consors Drake 1918: 324 (n. sp.) [AZ]; Drake & Ruhoff 1965: 374 (cat.). Froeschner 1988: 731 (cat.).

Diagnosis. *Teleonemia consors* can be separated from all other similar species by the dark ashen color, by the bucculae which are not completely contiguous apically in a front on view, by the slender and densely pilose basiflagellomeres, by the short total length (3.8 to 4.3mm), and by the uniseriate costal areas of the hemelytra.

Measurements. Male. (n =2) Length: 3.96–4.24; width at widest: 1.40–1.45; Head: Scape: 0.24; pedicel: 0.18–0.19; basiflagellomere: 1.37–1.59; distiflagellomere: 0.32–0.40; interocular distance: 0.32–0.34; Thorax: Thickness of thorax: 0.81–0.88; width at humeral angles: 1.07–1.10; length of pronotum in dorsal view: 1.59–1.72; length of hemelytron: 2.74–2.96; length of discoidal area: 1.50; width of discoidal area: 0.37–0.44; Abdomen: Length: 1.86–2.00; length of pygophore: 0.50; width of pygophore: 0.66–0.67. Female. (n = 2) Length: 3.83–4.26; width at widest: 1.60–1.84; Head: Scape: 0.21–0.22; pedicel: 0.17; basiflagellomere: 1.20–1.21; distiflagellomere: 0.35–0.41; interocular distance: 0.34; Thorax: Thickness of thorax: 0.77–0.86; width at humeral angles: 1.08–1.14; length of pronotum in dorsal view: 1.57–1.74; length of hemelytron: 2.62–2.95; length of discoidal area: 1.50–1.67; width of discoidal area: 0.43–0.50; Abdomen: Length: 1.77–1.97; length of female terminalia: 0.76–0.91; width of female terminalia: 0.96–1.00.

Type specimen. Bonita, Ariz. Post Cr. Can., July 16, 1917, H. H. Knight; TYPE; HOLOTYPE by C. J. Drake, *Teleonemia consors* C J Drake Coll. 1956; USNMENT 00866658 (♀ USNM). Specimen examined.

Comments. The specimens presented from Arizona and Utah represent new state records.

Geographic distribution. USA: AZ, TX, UT.

Ecology. Plant associations: None recorded..

Material examined. See appendix A.1.

Melanorhopala froeschneri Henry & Wheeler 1986

Melanorhopala froeschneri Henry & Wheeler 1986

Diagnosis. *Melanorhopala froeschneri* can be separated from all similar species by the pedicels subequal to the length and thickness of scapes, by the basiflagellomere broadly dilated on basal half of male specimens, by the lateral height of eye distinctly greater than distance from lower margin of eye to lower margin of buccula, and by the costal areas of the hemelytra that are biseriate beyond discoidal area.

Measurements. Female. (n = 2) Length: 4.49–4.82; width at widest: 1.80–1.92; Head: Scape: 0.21–0.24; pedicel: 0.15–0.19; basiflagellomere: 1.50–1.51; distiflagellomere: 0.44–0.47; interocular distance: 0.32–0.34; Thorax: Thickness of thorax: 0.94–0.99; width at humeral angles: 1.16–1.24; length of pronotum in dorsal view: 1.94–2.00; length of hemelytron: 3.01–3.12; length of discoidal area: 1.74–1.82; width of discoidal area: 0.46–0.54; Abdomen: Length: 2.19–2.45; length of female terminalia: 0.95–0.97; width of female terminalia: 1.02–1.04.

Type specimen. USA: TN. Tipton Co, Covington, Rt. 51, 2 June 1985, TJ Henry & AG Wheeler, Jr.; Taken of Trumpet creeper *Campsis radicans*; HOLOTYPE ♂ *Melanorhopala froeschneri* Henry & Wheeler; USNM 00871216 (♂ USNM). Specimen examined.

Comments. This species is very similar to *Teleonemia cylindricornis* Champion and may be easily confused with *M. froeschneri*. I suspect that the Illinois and North Carolina records of *T. cylindricornis* likely correspond to this species.

Geographic distribution. USA: AL, AR, DE, GA, IL, IN, KY, MD, MO, MS, OH, SC, TN, VA.

Ecology. Plant associations: *Campsis radicans* Seemann (Bignoniaceae).

Etymology. Named after Dr. Richard Froeschner, long tenured Heteroptera curator at the Smithsonian's UNSM.

Material examined. See appendix A.1.

Melanorhopala infuscata Parshley 1917

Diagnosis. *Melanorhopala infuscata* can be separated from all similar species by the pedicels distinctly shorter and more slender than scapes, by the basiflagellomeres nearly uniformly slender, but weakly dilated beyond base in male specimens, by the lateral height of eye distinctly less than distance from lower margin of eye to lower margin of buccula, and by the costal area of each hemelytra that are biseriate beyond the basal-third.

Measurements. Male. (n =2) Length: 4.95–5.17; width at widest: 1.89–1.91; Head: Scape: 0.25; pedicel: 0.20–0.22; basiflagellomere: 2.08–2.27; distiflagellomere: 0.43–0.52; interocular distance: 0.33–0.36; Thorax: Thickness of thorax: 0.86–0.98; width at humeral angles: 1.20–1.26; length of pronotum in dorsal view: 1.92–2.02; length of hemelytron: 3.37–3.42; length of discoidal area: 1.74–1.77; width of discoidal area: 0.41–0.44; Abdomen: Length: 2.25–2.64; length of pygophore: 0.46–0.60; width of pygophore: 0.75–0.84. Female. (n = 2) Length: 4.95–5.08; width at widest: 2.02–2.10; Head: Scape: 0.25–0.31; pedicel: 0.18–0.19; basiflagellomere: 1.80–1.81; distiflagellomere: 0.38–0.39; interocular distance: 0.37–0.41; Thorax: Thickness of thorax: 0.90–1.04; width at humeral angles: 1.24–1.28; length of pronotum

in dorsal view: 1.95–2.00; length of hemelytron: 3.35–3.48; length of discoidal area: 1.82–1.84; width of discoidal area: 0.55–0.58; Abdomen: Length: 2.48–2.72; length of female terminalia: 1.17–1.25; width of female terminalia: 1.22–1.27.

Type specimen. Falls Church, Va. (♂ MCZ/ AMNH). Photograph of specimen examined.

Comments. Specimens examined from Delaware, Indiana, and Ohio represent new state records for this species.

Geographic distribution. USA: DE, DC, IL, IN, KY, MD, NC, OH, PA, SC, VA.

Ecology. Plant associations: *Ceanothus americanus* L., *Ceanothus* sp. [both Rhamnaceae], *Liriodendron* sp., *Liriodendron tulipifera*, *Magnolia* sp. [Magnoliaceae]

Material examined. See appendix A.1.

New Genus n. sp. 29

Teleonemia jamaicans [Nomen nudem]

Teleonemia jamaicans Hurd 1946: 448.

Diagnosis. New genus, new species 29 can be separated from all related species by the small size, male not longer than 3.8mm, female not longer than 4mm, by the basiflagellomere no longer than 1.49, and by the male pygophore only slightly narrower than width of preceding abdominal segment.

Description. Generally smaller, elongate, ovate, variegated brown species with cream-colored setae. **Head.** Moderately elongate, vertex with cream-colored pubescence; occipital

spines slender, subparallel, adpressed to head, apices surpassing anterior margins of eyes and base of medial spine, one and one-half longer than width of eye; medial spine elongate, surpassing bases and passing between paired frontal spines, adpressed to head, at times porrect, subequal in length of occipital spines; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices usually touching one-half the length of occipital spines; antenniferous tubercles moderately elongate, one and one-third longer than width of eye, dorsal margins with some setae; scape barrel-shaped, one and one-third times as long as eye width; pedicel three quarters the length of scape; basiflagellomere stout near base, tapering towards apical third, then weakly clavate at apex, seven to eight times length of scape; distiflagellomere one and one-half times length of scape, uniformly fusiform, slightly wider near middle, truncate apically. Eyes large, D-shaped; maxillary plates with few scattered setae; bucculae narrow, slightly more elevated than eye width near middle, triseriate, lateral margins straight, produced anteriorly, truncate near apical margin, contiguous apically; rostrum light-brown, elongate, basal segment nearly reaching posterior margin of bucculae, entire rostrum extending to second abdominal sternite, apical fourth infuscate.

Thorax. Pronotal collar narrow, yellow brown, variegated with brown; pronotum coarsely punctate, appearing rugose, punctures deep, conical, interpunctural distance at apex of disc one-half to one times diameter of punctures; calli red-brown, shining, margined with minute pubescence; pronotal hood only slightly elevated, two areolae tall, roof-like, broad, not extending above bases of occipital spines, four areolae long, very weakly tumid posteriorly; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate, basal row extremely small, explanate, lateral row much larger; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc, elongate, slightly more elevated on

posterior projection; lateral carinae slightly divergent posteriorly, more elevated on posterior projection; areolae of triangular posterior projection slightly larger than punctures near base, abruptly larger near middle; propleuron similarly punctured like pronotal disc, punctures filled with minute setae. Prothoracic rostral laminae low, wider apart near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, then abruptly widening on basal fourth, still slightly widening posteriorly, at least two times width of preceding; metasternal laminae subparallel, weakly constricted near middle, posterior margins slightly incurved; metasternum flat, with short, fine pubescence. Legs light-brown; coxae short, globose, distal margins with dense cream-colored pubescence; trochanters, short; femora short, stout, with cream-colored wax and short adpressed setae; tibiae slender, setose on ventral margin, and dense at apex, subequal in length to femora; basitarsi minute; distitarsi elongate, expanded broadly near apex, dark infuscate. Ostoliar peritreme projecting far from thorax, weakly lanceolate, two times as long as wide. Hemelytra narrow, extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae margined with minute pubescence, areolae larger near base, becoming smaller near apex; costa light-brown, variegated with dark-brown, setose along lateral margin; costal area uniseriate to irregularly biseriate beyond discoidal area, areolae hyaline, larger beyond apex of discoidal area, interveinal areas variegated; subcosta brown, to variegated brown; subcostal area biseriate, subvertical, with setae surrounding areolae on basal half to entire length along discoidal cell; R+M vein variegated brown, setose, with slender brown setae; discoidal cell midpoint at triangular posterior projection, narrow, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; cubitus vein mostly straight; sutural areas moderately large, six to seven to rows of areolae at widest, cells subequal to the those of apical margin of discoidal

area, dramatically increase in size towards apex. Metathoracic wing brown, extending slightly beyond apex of abdomen.

Abdomen. Red brown, ovate, widest near middle, with minute cream-colored pubescence; eighth paratergites extremely wide near base, slightly depressed on basal area, abruptly thickened two-thirds near apex, there with a weak invagination; ninth paratergites with basal vertical furrow on lateral margins, uniformly rounded beyond, excavate on apical third, there more densely setose. Pygophore red-brown, proportionally very large, slightly narrower than preceding abdominal segment, produced ventrally, and dorsally, apical dorsal margin with two obtuse minute protrusions; parameres dark-brown, stout near base, lighter in color near apex, extremely slender and curved beyond middle, curved ventrally in postero-lateral view.

Measurements. Male. (n = 2) Length: (3.66) –3.83; width at widest: (1.21) –1.27; Head: Scape: (0.14) –0.17; pedicel: (0.14) –0.14; basiflagellomere: (1.40) –1.49; distiflagellomere: (0.41) –0.45; interocular distance: 0.28– (0.31); Thorax: Thickness of thorax: (0.71)–0.78; width at humeral angles: (0.87) –0.98; length of pronotum in dorsal view: (1.48) –1.55; length of hemelytron: (2.51) –2.57; length of discoidal area: (1.30) –1.32; width of discoidal area: (0.34) –0.37; Abdomen: Length: (1.58) –1.70; length of pygophore: (0.42) –0.46; width of pygophore: (0.60) –0.60. Female. (n = 2) Length: 3.94–4.12; width at widest: 1.44–1.49; Head: Scape: 0.19–0.24; pedicel: 0.13–0.14; basiflagellomere: 1.33; distiflagellomere: 0.37; interocular distance: 0.35–0.36; Thorax: Thickness of thorax: 0.81–0.83; width at humeral angles: 1.00–1.05; length of pronotum in dorsal view: 1.65–1.70; length of hemelytron: 2.62–2.69; length of discoidal area: 1.47–1.52; width of discoidal area: 0.39–0.45; Abdomen: Length: 2.00–2.33; length of female terminalia: 0.83–0.85; width of female terminalia: 0.86–0.93.

Type specimen. Not yet selected.

Comments. This species was previously recorded as a nomen nudem in Hurd (1946) see above and previous records of *Teleonemia variegata* from Jamaica likely correspond to this species.

Geographic distribution. Jamaica.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia variegata* Champion 1898a**

Teleonemia variegata Champion 1898a: 42 (n. sp.) [Guatemala, Mexico]; Barber 1910: 38 [AZ] (note); Drake 1918: 328 (note); Perkins & Swezey 1924: 52 (note) [Lantana]; Hurd 1946: 449 (cat.) [Honduras]; Froeschner 1988:732 (cat.); Maes & Knudson 2016: 58 (cat.) [Nicaragua].

Diagnosis. *Teleonemia variegata* can be separated from all similar species by the large size, male longer than 4.2mm, female longer than 4.6mm, by the basiflagellomere longer than (1.40), and by male pygophore one-third narrower than width of preceding abdominal segment.

Measurements. Male. (n =2) Length: 4.13–4.68; width at widest: 1.01–1.02; Head: Scape: 0.23–0.30; pedicel: 0.19–0.21; basiflagellomere: 1.84–1.99; distiflagellomere: 0.39–0.43; interocular distance: 0.33–0.32; Thorax: Thickness of thorax: 0.82–0.90; width at humeral angles: 1.01–1.02; length of pronotum in dorsal view: 1.70–1.87; length of hemelytron: 2.73–3.20; length of discoidal area: 1.43–1.58; width of discoidal area: 0.34–0.41; Abdomen: Length: 1.92–2.10; length of pygophore: 0.33–0.50; width of pygophore: 0.60–0.61. Female. (n = 2)

Length: 4.45–5.45; width at widest: 1.71–1.97; Head: Scape: 0.22–0.25; pedicel: 0.16–0.21; basiflagellomere: 1.34–1.93; distiflagellomere: 0.47; interocular distance: 0.31–0.37; Thorax: Thickness of thorax: 0.86–1.06; width at humeral angles: 1.14–1.27; length of pronotum in dorsal view: 1.85–2.24; length of hemelytron: 3.09–3.87; length of discoidal area: 1.64–2.27; width of discoidal area: 0.50–0.60; Abdomen: Length: 2.18–2.33; length of female terminalia: 0.85–0.95; width of female terminalia: 0.97–1.09.

Type specimens. SYNTYPE; Type; Capetillo, Guatemala. G, C, Champion; B. C. A. Rhyn. II., *Teleonemia variegata* Ch.; ♂; NHMUK 011254000; LECTOTYPE (♂) *Teleonemia variegata* Champion, Det. A. H. Knudson 20 (NHMUK). Herein designated as lectotype. Specimen examined.

Geographic distribution. Guatemala; Honduras; Mexico; Nicaragua; USA: AZ.

Ecology. Plant associations: *Lantana* sp. [Verbenaceae].

Etymology. Likely named for the variegated infusate markings of the hemelytra.

Material examined. See appendix A.1.

***Paramelanorhopala* Knudson & Henry New Genus**

Key to the species of *Paramelanorhopala* Knudson & Henry

1. Occipital spines extremely elongate, nearly reaching bases of frontal spines; costal area of each hemelytron with at least two complete rows of areolae; eastern United States
..... *Paramelanorhopala illinoiensis* (Drake)

- Occipital spines much shorter, not reaching bases of frontal spines; costal area of each hemelytron with two rows of areolae beyond middle; western North America.....
..... *Paramelanorhopala occidentalis* (Drake)

***Paramelanorhopala illinoiensis* (Drake 1918) [New Combination]**

Hesperotingis illinoiensis Drake 1918: 88 (n. sp.) [IL]; Blatchley 1926: 498 (note); Bailey 1951: 24 (note) [CT]; Drake & Ruhoff 1965: 243 (cat) [IN]; Froeschner 1988: 724 (cat.).
Wheeler 1994: 533-536 (note) [PA, VA, *Penstemon hirsutus*, *P. canescens*].

Diagnosis. *Paramelanorhopala illinoiensis* can be separated from its congener by the longer basiflagellomere (0.25-0.30), by the long occipital spines surpassing anterior margins of eyes, nearly reaching or surpassing paired frontal spines and by the costal areas of hemelytra that are mostly biseriate to triseriate.

Measurements. Male. (n =1) Length: 4.07 width at widest: 1.76; Head: Scape: 0.27; pedicel: 0.18; basiflagellomere: 1.58; distiflagellomere: 0.35; interocular distance: 0.35; Thorax: Thickness of thorax: 0.73; width at humeral angles: 1.03; length of pronotum in dorsal view: 1.58; length of hemelytron: 2.72; length of discoidal area: 1.46; width of discoidal area: 0.42; Abdomen: Length: 1.89; length of pygophore: 0.48; width of pygophore: 0.67. Female. (n = 4) Length: 3.89–4.89; width at widest: 1.87–2.20; Head: Scape: 0.25–0.30; pedicel: 0.17–0.20; basiflagellomere: 1.41–1.58; distiflagellomere: 0.33–0.39; interocular distance: 0.32–0.38; Thorax: Thickness of thorax: 0.73–0.96; width at humeral angles: 0.98-1.35; length of pronotum in dorsal view: 1.56–1.97; length of hemelytron: 2.35–3.12; length of discoidal area: 1.52–1.83; width of discoidal area: 0.43–0.58; Abdomen: Length: 1.86–2.12; length of female terminalia: 0.67–0.97; width of female terminalia: 0.98–1.16.

Type specimen. Palos Park, VII:16:08 ILL; Col. by W J Gerhard; TYPE; HOLOTYPE
H. illinoensis, Drake; C J Drake Coll. 1956; USNMMENT 08663110 (♀ USNM). Specimen
examined.

Comments. The specimens listed in appendix A.1 from Arkansas, Iowa, Missouri,
Tennessee, and Wisconsin represent new state records.

Geographic distribution. United States: AR, CT, IA, IL, IN, MO, PA, TN, VA, WI.

Ecology. Plant associations: *Penstemon hirsutus* (L.) Willd. and *P. canescens* (Britt.)
Britt] (Wheeler 1994).

Etymology. The type specimen was collected in Illinois.

Material examined: See appendix A.1.

***Paramelanorhopala occidentalis* (Drake 1922) [New Combination]**

Hesperotingis occidentalis Drake 1922: (n. sp.); Drake & Ruhoff 1965: 243 (cat.); Froeschner
1988: 724 (cat.); Maw et al 2000: 126 (checklist); Scudder 2012b: 57 [MT], 2014: 293
(checklist).

Diagnosis. *Paramelanorhopala occidentalis* can be separated from its only known
congener by the short occipital spines not reaching bases of frontal spines, and by the costal area
of each hemelytron with two rows of areolae beyond middle.

Measurements. Male. (n =4) Length: 3.33–4.52; width at widest: 1.36–1.56; Head:
Scape: 0.21–0.29; pedicel: 0.18–0.24; basiflagellomere: 1.25–1.51; distiflagellomere: 0.29–0.41;
interocular distance: 0.27–0.37; Thorax: Thickness of thorax: 0.71–0.90; width at humeral
angles: 1.36–1.56; length of pronotum in dorsal view: 1.22–1.60; length of hemelytron: 2.25–

3.15; length of discoidal area: 1.28–1.68; width of discoidal area: 0.35–0.44; Abdomen: Length: 1.53–1.91; length of pygophore: 0.50–0.57; width of pygophore: 0.60–0.69. Female. (n = 4) Length: 3.69–4.77; width at widest: 1.61–1.83; Head: Scape: 0.21–0.30; pedicel: 0.18–0.21; basiflagellomere: 1.28–1.47; distiflagellomere: 0.26–0.37; interocular distance: 0.35–0.42; Thorax: Thickness of thorax: 0.79–0.98; width at humeral angles: 1.07–1.23; length of pronotum in dorsal view: 1.45–1.72; length of hemelytron: 2.48–3.36; length of discoidal area: 1.60–1.89; width of discoidal area: 0.42–0.51; Abdomen: Length: 1.79–2.07; length of female terminalia: 0.69–0.89; width of female terminalia: 0.74–1.01.

Type specimen. Colo[rado] -2325; HOLOTYPE, *Hesperotingis occidentalis*, HOLOTYPE; Type; Figured, Janson; C J Drake Coll. 1956; USNMMENT 00866311 (♀ USNM).
Specimen examined.

Geographic distribution. Canada: AB, BC. USA: CA, CO, ID, MT, NM, NV.

Ecology. Plant associations: *Penstemon* sp. from label data herein.

Material examined. See appendix A.1.

Teleonemia Costa, 1864

Teleonemia Costa 1864: 144; Summers 1891: 89 (key); Monte 1947: 20 (checklist); Slater & Baranowski 1978: 113 (note);

Tingis (*Amaurosterphus*) Stål 1868: 92.

Teleonemia (*Amaurosterphus*) Stål 1873: 131; Monte 1947: 6 (checklist). Synonymized by Champion, 1897.

Tingis (*Americia*) Stål 1873: 131; Monte 1947: 6 (checklist).

Americia Stål in Kirkaldy 1905. Synonymized. by Drake & Ruhoff 1960.

Type species. *Teleonemia* Costa, 1864: *Teleonemia funerea* Costa, 1864 by monotypy.
***Amaurosterphus* Stål, 1868:** *Tropidocheila morio* Stål, 1855, by subsequent designation (Van Duzee 1917). ***Americia* Stål 1873:** *Tingis (Americia) albilatera* Stål, 1873 by subsequent designation (Van Duzee 1917) = *Teleonemia triangularis* (Blanchard).

Diagnosis. *Teleonemia* is large genus in which members vary greatly in form. In general, nearly all have pilose antennae, the occipital spines are curved downwards or adpressed to the head, the pronotal collar is at times tectiform and produced into a small hood-like structure, the paranota are always reflexed upwards, and at times adpressed to the sides of the prothorax, the costal areas of the hemelytra are generally narrow in most forms, but are wider in a few species. Ostiolar peritremes are always present, but vary in shape and form. Male pygophore always with two basal depressions.

Geographic Distribution. Native range: Most Caribbean islands, Canada: BC, Western and Southern United States, to Chile and Argentina (Drake and Ruhoff 1965). Several species included in this genus have been introduced to many locations for biological control of *Lantana* spp. in Hawaii (Perkins & Sweezy 1924), India (Gardner 1944), Australia (Fyfe 1937, Harley & Kassulke 1971), South Africa (Oosthuizen 1964) and other countries, see Harley & Kassulke (1971) for a partial list.

***Teleonemia aemula* Monte 1942 [Incertae sedis]**

Teleonemia aemula Monte 1942: 137 (n. sp.) [Brazil]; Drake & Ruhoff, 1965: 370 (cat.).

Diagnosis. *Teleonemia aemula* can be separated from all other species of *Teleonemia* by the combination of the following characters; ovate appearance, general tan brown color,

distiflagellomere moderately clavate and widest near apical third, occipital spines stout, incurved nearly reaching bases of paired frontal spine, pronotal hood nearly as elevated as apex of disc, dorsal margin uniformly rounded in lateral view, paranota biseriate opposite calli, pronotum densely setose near calli and posterior projection, ostiolar peritreme nearly reaching base of hypocostal area, costal areas uniseriate, biseriate beyond middle, subcostal areas biseriate, setose throughout.

Measurements. Not taken in this study.

Type specimen. Typus; 10 5 1938, Brasilien, Nova Teutonia, 27° 11' B. 52° 23' L, Fritz Plaumann; 19; ♀; *Teleonemia aemula* Monte, Det. Oscar Monte; 1019; NMRJ-ENT3-268 (♀ MNRJ). Photograph of specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National Museum of Brazil on September 2, 2018. Monte incorrectly stated that the female paratype was collected at the same time, but the paratype was collected on May 4th 1938. One specimen in the USNM has the subcostal areas of the hemelytra biseriate, with an additional areolus beyond the discoidal cell. Examination of this species indicates it may be closely related to *Teleonemia forticornis* Champion, but differs by the slightly more dilated distiflagellomeres and the lighter tan color. [Rostral laminae subparallel throughout, like *forticornis*].

Geographic distribution. Brazil: Santa Catarina.

Ecology. Plant associations: None recorded..

Material examined. See appendix A.1.

***Teleonemia chapadiana* Drake 1922 [Incertae sedis]**

Teleonemia chapadiana Drake 1922: 356 (n. sp.) [Brazil]; Monte 1941b: 136 (cat.); Drake & Ruhoff 1965: 374 (cat.).

Diagnosis. *Teleonemia chapadiana* can be separated from all other species of *Teleonemia* by the combination of the following characters; broadly ovate appearance, general tan brown color, distiflagellomere strongly clavate and widest near apical third, occipital spines slender, incurved reaching bases of paired frontal spines, pronotal hood only slightly elevated, not as elevated as apex of disc, dorsal margin weakly sinusoidal in lateral view, paranota biseriate opposite calli, ostiolar peritremes nearly reaching each base of hypocostal areas, costal areas uniseriate, biseriate beyond middle, some veins darker infuscate, subcostal areas biseriate, mostly devoid of setae.

Measurements. Not taken in this study.

Type specimen. Chapada Brazil, Acc. No. 2966; Oct.; type; Figured by Janson; Type *Teleonemia chapadiana* Dke. Dke; *Teleonemia chapidana* Drake, Type, Det. Drake; CMNH-IZ , 724,104 (♀ CMNH). Photograph of specimen examined.

Comments. Drake (1922) states that the type is from Chapada Brazil and was collected by Mr. and Ms. H. H. Smith, but does not list additional details regarding the type locality. There are several locations in Brazil that bear the name Chapada in conjunction with other location names. Monte (1941) cites Drake (1922) and listed the state of Mato Grosso for this species distribution in Brazil. Additionally, Nearn & Androw (2013) state that extensive collecting by Herbert H. Smith in Santarém (Pará, Brazil), Chapada and Corumbá (Matto Grosso, Brazil), and other locations resulted in specimens deposited in CMNH. Monte's (1941) interpretation is likely

correct, and the type may have been collected near Chapada dos Guimarães in the Brazilian state of Mato Grosso.

Geographic distribution. Brazil: Mato Grosso.

Ecology. Plant associations: None recorded..

Material examined. See appendix A.1.

***Teleonemia lustrabilis* Drake 1953 [Incertae sedis]**

Teleonemia lustrabilis Drake 1953: 151 (n. sp.); Drake & Ruhoff 1965: 378 (cat.). Perez-Gelabert 2008: 184 (checklist).

Diagnosis. *Teleonemia lustrabilis* is superficially similar to species of *Teleonemia* (*Trichodonemia*), but can be easily separated from all included species by the much darker red-brown color, by the stout and thick basiflagellomeres, by the pronotal hood which projects to apex of head, and by the pronotum and hemelytra with extremely short minute pubescence.

Measurements. Not taken in this study.

Type specimen. Constanza, Aug.'38, Dom. Rep. 3-4,000 ft. Darlington; Holotype *Teleonemia lustrabilis* Drake; *Teleonemia lustrabilis* Drake Type; M. C. Z. type 29104 (♀ MCZC, currently on permanent loan to AMNH). Photograph of specimen examined.

Geographic distribution. Known only from the type locality in the La Vega province of the Dominican Republic.

Ecology. Plant associations: None recorded..

Material examined. The species was not encountered during the present study.

Teleonemia n. sp. 13 [Incertae sedis]

Diagnosis. *Teleonemia n. sp. 13* can be separated from all other species of *Teleonemia* by the combination of the following characters; elongate, 5mm, narrow 1.4 mm, general color tannish-brown, occipital spines stout, subparallel, medial spine distinctly dark-brown, stout, porrect, dorsal margins of antenniferous tubercles beset with dense wax, basiflagellomeres elongate 1.85 mm, extremely slender and noticeably thin near apical third, abruptly clavate and broadest near apex, distiflagellomeres elongate broadly clavate, costal and subcostal areas uniseriate, dark black infusate band near middle, each sutural area of hemelytra with a large hyaline patch near apex, and ostiolar peritremes lanceolate.

Description. Generally elongate, tannish-brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines tannish-brown, stout, subparallel, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-quarter as long as width of eye; medial spine distinctly dark-brown, short, one-half length of occipital spines, nearly reaching apices of frontal spines, porrect, base mostly devoid of setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine, lateral bases with wax and thickened setae; antenniferous tubercles subequal in length to width of eye, dorsal margins beset with wax and downcurved setae. Antennae brown; scape barrel-shaped, one and one-quarter as long as eye width; pedicel short, two-thirds length of scape; basiflagellomere elongate, nine to ten times length of scape, extremely slender throughout much of length, clavate and infusate near apex; distiflagellomere dark infusate, two and one-

half times length of scape, fusiform, distinctly wider near middle, truncate apically. Eyes very large, D-shaped, anterior margin not truncate at bases of antenniferous tubercles; maxillary plates obscured by setae; clypeus completely obscured by thickened downcurved setae; bucculae broad, height one and one-half wider than width of eye, triseriate, lateral margins with thickened downcurved setae, extending beyond apex of clypeus, contiguous apically, ventral margin weakly curved in lateral view; rostrum light-brown, elongate, extending to posterior margin of mesosternum, apical fourth of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc one-half diameter of punctures; calli dark-brown, shining, margined with thickened setae; pronotal hood only slightly elevated than disc, two areolae tall, narrow, produced anteriorly covering bases of occipital spines, five areolae long, not tumid posteriorly, with setae on posterior-lateral margins, dorsal margin straight in lateral view; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate throughout, basal row extremely small, explanate, lateral row much larger; median carina not quite extending to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly darker at apex of disc, slightly more elevated than lateral carinae, the dorsal vein comprising less than one-half of median carina height, median carina slightly lower on posterior margin of disc; lateral carinae slightly divergent posteriorly, infusate at apex of disc and posterior third; areolae of triangular posterior projection gradually increase in size near base to apex, margined with minute pubescence; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, mostly subparallel; mesothoracic sternal laminae much wider apart at base than prothoracic laminae, subparallel; metasternal laminae much wider

apart, crescentic-shaped, posterior margin incurved; metasternum convex, with dense setae. Legs brown; coxae dark-brown, short, globose, distal margins with dense thickened pubescence; trochanters, short, setose; femora brown, moderately elongate, stout, widest beyond middle, with whitish wax; tibiae slender, brown, dark-brown near apex, subequal to length of femora; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes lanceolate, elongate, two times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, elongate, extending nearly one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae bordered by minute pubescence near base, largest on basal third, smaller near apex; costa light tannish-brown, darker black-brown near middle, brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous bands near middle and apical fourth, areolae slightly larger beyond apex of discoidal cell; subcosta light-brown, dark-brown near middle; subcostal area tan with black-brown band near middle, uniseriate, subvertical, with minute pubescence; R+M vein brown, darker near middle, sinusoidal; discoidal cell tan basally, dark-brown throughout much of extant, midpoint slightly beyond apex of triangular posterior projection, broad, each comprised of seven rows of areolae at widest, areolae margined with some minute pubescence; each cubitus vein mostly straight beyond middle, dark infusate near middle; sutural areas gray-brown, variegated with dark-brown, moderately large, ten rows of areolae at widest, areolae near base slightly smaller than those of discoidal area, abruptly larger and gradually increase in size towards apex. Metathoracic wings dark-brown, tornus whitish, extending halfway between apices of abdomen and hemelytra.

Abdomen. Dark brown, ovate, widest near middle, covered with gray-green wax and setae near sternal sutures, last abdominal segment in male without prominent triangular projection on each dorso-posterio-lateral margin. Pygophore red-brown, broad, subequal in width

to preceding abdominal segment, ventral basal depressions not deep, not extending vertically on lateral margins, ventral midline with deep furrow beyond basal third, dorsal posterior margin obscured by minute pubescence; parameres dark red-brown, lighter red-brown near apical third, stout near base, slender near apex, curved, after middle, setose on postero-lateral margins.

Measurements. Male. (n = 1) Length: (5.08); width at widest: (1.40); Head: Scape: (0.23); pedicel: (0.178); basiflagellomere: (1.85); distiflagellomere: (0.58); interocular distance: (0.31); Thorax: Thickness of thorax: (1.01); width at humeral angles: (1.20); length of pronotum in dorsal view: (1.99); length of hemelytron: (3.64); length of discoidal area: (2.04); width of discoidal area: (0.51); Abdomen: Length: (2.34); length of pygophore: (0.41); width of pygophore: (0.72).

Type specimen. BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Rio Cerdo Mayo, nr. Cerdo Mayo, 16.231°S, 67.749°W, 30-IV-2005, S. M. Clark (♂ BYUC)

Comments. This species is very distinctive in form and is not easily confused with other species of the genus.

Geographic distribution. Known only from the type locality near Cerdo Mayo, Nor Yungas Province, Bolivia.

Ecology. Plant associations: None recorded.

***Teleonemia* n. sp. 26 [Incertae sedis]**

Diagnosis. *Teleonemia* n. sp. 26 can be separated from all other species of *Teleonemia* by the combination of the following characters; broadly ovate appearance, general tan brown color,

distiflagellomere weakly clavate and widest near apical third, occipital spines stout, incurved reaching bases of medial spine, pronotal hood only slightly elevated, not as elevated as apex of disc, dorsal margin curved in lateral view, paranota biseriate opposite calli, ostiolar peritreme nearly reaching base of hypocostal area, costal areas uniseriate, biseriate beyond middle, some veins darker infusate, subcostal areas biseriate, mostly devoid of setae.

Description. Generally elongate, ovate, tannish-brown species with cream-colored setae.

Head. Moderately elongate; occipital spines tannish-brown, stout, incurved, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-quarter as long as width of eye; medial spine concolorous with occipital spines, stout, moderately elongate, two-thirds length of occipital spines, porrect, apex extending above occipital spines; base with elongate, curved, cream-colored setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices nearly touching, subequal to length of medial spine, lateral bases with thickened setae; antenniferous tubercles one and one-third as long as width of eye, dorsal margins beset with downcurved setae. Antennae tannish-brown; scape goblet-shaped, wider near base, tapering towards apex, one and one-half as long as eye width; pedicel short, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, eight and one-half to nine times length of scape, slender throughout much of length, weakly clavate near apex; distiflagellomere infusate on apical half, nearly three times length of scape, fusiform, very wide near middle, truncate apically. Eyes narrow, ovate, anterior margins not truncate at bases of antenniferous tubercles; maxillary plates with downcurved setae; clypeus completely obscured by thickened downcurved setae; bucculae narrow, height one and one-half wider than width of eye, biseriate, lateral margins with thickened downcurved setae near base, extending beyond apex of clypeus, contiguous apically, ventral margin weakly curved in lateral view; rostrum

light-brown, elongate, extending to base of first abdominal sternite, apical fourth of apical segment infusate.

Thorax. Pronotal collar broad, yellow-brown; pronotum punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc two times diameter of punctures; calli dark-brown, shining, margined with thickened setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, very broad, roof-like, produced anteriorly covering bases of occipital spines, six areolae long, slightly tumid posteriorly, with downcurved stout setae, dorsal margin weakly downcurved in lateral view; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, uniseriate near humeral angles; median carina extending to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc, elongate; median carina slightly more elevated than lateral carinae, the dorsal vein very thick, comprising more than two-thirds of median carina height, median carina slightly lower on posterior margin of disc; lateral carinae slightly divergent posteriorly, infusate on posterior third; areolae of triangular posterior projection gradually increase in size near base to apex, margined with thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal two-thirds. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae much wider apart at base than prothoracic laminae, subparallel in base, slightly diverging beyond posterior half; metasternal laminae slightly wider than mesothoracic sternal laminae subparallel; metasternum flat, with minute pubescence. Legs brown; brown, elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, setose; femora brown, moderately elongate, stout, widest beyond middle, with whitish wax; tibiae slender, brown,

slightly darker near apex, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each not touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending nearly one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae bordered by minute pubescence near base, largest on basal third, smaller near apex; costa light tannish-brown, darker black-brown near middle, brown on apical fourth; costal area uniseriate on basal third, mostly bi- to triseriate beyond, triseriate at widest, areolae hyaline, except fuscous bands near middle and apical fourth, areolae slightly larger beyond apex of discoidal cell; subcosta light-brown, dark-brown near middle; subcostal area tan with brown band near middle, bi- to triseriate, weakly subvertical, with thickened curved setae along discoidal cell; R+M vein brown, slightly darker near middle, sinusoidal; discoidal cell mostly tan, midpoint beyond apex of triangular posterior projection, broad, each comprised of five to six rows of areolae at widest, some areolae margined with thickened setae; each cubitus vein mostly straight beyond middle; sutural areas tan, variegated with brown, moderately large, six to eight rows of areolae at widest, areolae near base slightly larger than those of discoidal area, abruptly larger and gradually increase in size towards apex. Metathoracic wings light-brown, extending slightly beyond apex of abdomen.

Abdomen. Dark brown, ovate, widest near middle, covered with cream-colored setae. Each eighth paratergite with an elongate transverse basal depression, apical lateral margins triangular, extremely projected posteriorly; ninth paratergites each with a V-shaped groove near base towards middle, excavate near apical third, there beset with thickened cream-colored setae.

Measurements. Female. (n = 1) Length: (5.04); width at widest: (2.19); Head: Scape: (0.24); pedicel: (0.16); basiflagellomere: (1.95); distiflagellomere: (0.53); interocular distance:

(0.35); Thorax: Thickness of thorax: (1.13); width at humeral angles: (1.46); length of pronotum in dorsal view: (2.36); length of hemelytron: (3.51); length of discoidal area: (1.98); width of discoidal area: (0.578); Abdomen: Length: (2.41); length of female terminalia: (0.86); width of female terminalia: (1.07).

Type specimen. Ibicaresic Brazil, Sept. 60, Plaumann; CNC 1188682 (♀ CNC)

Comments. The type specimen is damaged, the apices of the sutural areas of each hemelytron are missing. The number of areolae of the sutural area at widest should be taken with caution and the actual number may vary slightly from what is presented in the description above.

Geographic distribution. Known only from the type locality Ibicare, Santa Catarina, Brazil.

Ecology. Plant associations: Unknown.

Teleonemia (Amaurosterphus) Stål

Key to the species of *Teleonemia (Amaurosterphus)*

1. Costal area of each hemelytron with only one row of areolae..... 2
 - Costal area of each hemelytron with two or more rows of areolae at widest 9
2. Lighter colored species; basiflagellomeres clavate near bases
 - *Teleonemia (Amaurosterphus)* n. sp. 3
 - Darker colored or variegated species; basiflagellomeres not clavate near bases..... 3
3. Subcostal area of each hemelytron biseriate
 - *Teleonemia (Amaurosterphus) forticornis* Champion [in part]
 - Subcostal area of each hemelytron uniseriate 4

4. Pronotal hood only slightly elevated, not tumid or rounded..... 5
- Pronotal hood tumid, slightly globose and rounded 6
5. Pronotal collar and triangular posterior projection with thick, dense, whitish setae
- *Teleonemia (Amaurosterphus)* n. sp. 22
- Pronotal collar and triangular posterior projection with few, minute, slender setae
- *Teleonemia (Amaurosterphus)* n. sp. 2
6. Rostrum extremely elongate, extending onto abdomen.....
- *Teleonemia (Amaurosterphus) morio* (Stål)
- Rostrum long, but not surpassing posterior margin of metasternum..... 7
7. Pronotal collar and hood orange to red-brown, contrasting with dark thorax and hemelytra.....
- *Teleonemia (Amaurosterphus)* n. sp. 4
- Pronotal collar and hood dark black, concolorous with dark thorax and hemelytra..... 8
8. Median carina angulate at most elevated area of pronotal disc
- *Teleonemia (Amaurosterphus)* n. sp. 40
- Median carina not very tall and rounded *Teleonemia (Amaurosterphus)* n. sp. 14
9. Subcostal area of each hemelytron with more than two rows of areolae..... 10
- Subcostal area of each hemelytron with one to two rows of areolae..... 16
10. Costal area of each hemelytron infusate near middle (even weakly) and near apex 11
- Costal area areolae each hemelytron not infusate near middle and only infusate near apex..... 14
11. Costal area of each hemelytron with more than four rows of areolae at widest
- *Teleonemia (Amaurosterphus) annae* (Kirkaldy)

- Costal area of each hemelytron with two to three rows of areolae at widest..... 12
- 12. Apex of pronotal hood distinctly projecting forward beyond bases of occipital spines in dorsal view 13
 - Apex of pronotal hood subparallel with bases of occipital spines in dorsal view
..... *Teleonemia (Amaurosterphus) n. sp. 7*
- 13. Medial spine porrect or adpressed to paired frontal spines.....
..... *Teleonemia (Amaurosterphus) picta* Champion
 - Medial spine erect, not adpressed to paired frontal spines
..... *Teleonemia (Amaurosterphus) n. sp. 8*
- 14. Medial spine porrect or adpressed to head; lateral margin of hemelytra mostly straight throughout length..... *Teleonemia (Amaurosterphus) tricolor* (Mayr)
 - Medial spine clearly erect; lateral margin of hemelytra broadly rounded..... 15
- 15. Medial spine extremely stout, thicker than occipital spines; dorsal margins of pronotal carinae distinctly thicker than thickness of costa
..... *Teleonemia (Amaurosterphus) lutzi* Drake
 - Medial spine slender, similar thickness as occipital spines; dorsal margins of pronotal carinae distinctly subequal in thickness of costa
..... *Teleonemia (Amaurosterphus) amazonica* Horváth
- 16. Costal area of each hemelytron with three or more rows of areolae at widest..... 17
 - Costal area of each hemelytron at least partially biseriate..... 18
- 17. Costal area of each hemelytron infuscate near middle and near apex
..... *Teleonemia (Amaurosterphus) hasemani* Drake
 - Costal area of each hemelytron only infuscate near apex.....

.....	<i>Teleonemia (Amaurosterphus) triangularis</i> (Blanchard)	
18. Subcostal area of each hemelytron uniseriate.....		
.....	<i>Teleonemia (Amaurosterphus) absimilis</i> Drake & Hambleton	
- Subcostal area of each hemelytron biseriate.....		19
19. Triangular posterior projection of pronotum only slightly lighter in color or concolorous with pronotal disc.....		20
- Triangular posterior projection distinctly lighter in color than pronotal disc.....		24
20. Pronotum and hemelytra tan colored, sutural areas with few light colored infusate markings.....	<i>Teleonemia (Amaurosterphus) n. sp.</i>	27
- Hemelytra distinctly dark infusate, or bicolored.....		21
21. Veins of costal area dark-brown throughout.....		
.....	<i>Teleonemia (Amaurosterphus) inornata</i> Monte	
- Veins of costal area lighter in color than discoidal area, at least near base and after middle		22
22. Costal area infusate near middle and near apex		
.....	<i>Teleonemia (Amaurosterphus) guyanensis</i> Drake & Carvalho	
- Costal area only infusate near apex.....		23
23. Total length not greater than 5.1mm.....	<i>Teleonemia (Amaurosterphus) n. sp.</i>	6
- Total length 5.3mm or greater	<i>Teleonemia (Amaurosterphus) n. sp.</i>	5
24. Each discoidal cell short, their apices not reaching midpoint of hemelytra		
.....	<i>Teleonemia (Amaurosterphus) n. sp.</i>	11
- Each discoidal cell longer, reaching or surpassing midpoint of hemelytra		25

25. Each 9th paratergite with a median apical tooth
..... *Teleonemia (Amaurosterphus)* n. sp. 19
- Each 9th paratergite with a without an apical tooth or tubercle 26
26. Basiflagellomeres nearly uniformly cylindrical
..... *Teleonemia (Amaurosterphus) brevipennis* Champion
- Basiflagellomeres may appear uniformly cylindrical in males, but usually widening throughout length or at least weakly clavate near apex 27
27. Distiflagellomeres less than two times the combined length of scape and pedicel
..... *Teleonemia (Amaurosterphus) forticornis* Champion [in part]
- Distiflagellomeres nearly two or more times the combined length of scape and pedicle 28
28. Hemelytra distinctly dark black brown with yellowish costa; legs dark black.....
..... *Teleonemia (Amaurosterphus) simillima* Monte
- Hemelytra variable, but not usually dark black with a yellowish costa; legs red-brown, not black.....*Teleonemia (Amaurosterphus) quechua* Monte

***Teleonemia absimilis* Drake & Hambleton 1944**

Teleonemia absimilis Drake & Hambleton 1944: 122 (n. sp.) [Colombia]; Drake & Ruhoff, 1965: 370 (cat.).

Diagnosis. Easily separated from all congeners by the biseriate straw colored costal areas of the hemelytra that are relatively narrow compared to other biseriate species, the uniseriate subcostal areas of the hemelytra, and by the contrasting dark-brown color of the rest of the hemelytra.

Measurements. Female. (n=1) Length: 5.44; width at widest: 1.76; Head: Scape: 0.21; pedicel: 0.19; basiflagellomere: 1.19; distiflagellomere: ?; interocular distance: 0.37; Thorax: Thickness of thorax: 1.06; width at humeral angles: 1.35; length of pronotum in dorsal view: 2.13; length of hemelytron: 3.74; length of discoidal area: 2.11; width of discoidal area: 0.53 ; Abdomen: Length: 2.40; length of female terminalia: 0.69; width of female terminalia: 0.93.

Type specimen. Columbien Villa Vicenzio; Prof. O. Bürger Leg, vend. 1.1. 1898.; Holotype *Teleonemia absimilis* D. & H.; C J Drake Coll. 1956; USNMENT 00866652 (♀ USNM). Specimen examined.

Comments. So far as I can tell, this species is only known from the type, which is missing basi- and distiflagellomeres, and the specimens listed in appendix A.1, which are missing sections of basiflagellomeres and distiflagellomeres.

Geographic distribution. Colombia: Meta; Costa Rica: Puntarenas, and Panamá: Panamá.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) amazonica* Horváth 1925**

Teleonemia (Americia) amazonica Horváth 1925: 220 (n. sp.) [Brazil].

Teleonemia amazonica: Monte 1941b: 134 (cat.); Drake & Ruhoff, 1965: 371 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) amazonica* can be separated from all other similar species by the combination of the following characters; ovate appearance, medial spine

slender, similar thickness as occipital spines, by the dorsal margins of pronotal carinae being distinctly subequal to the thickness of the costal veins, by the triseriate costal areas beyond discoidal areas, and by the triseriate subcostal areas.

Measurements. Not taken in this study.

Type specimen. Manáos (♀ NHRS). Drake & Ruhoff (1965) indicate that the type was deposited in the Hungarian Museum, however it is currently at NHRS. Photograph of specimen examined.

Comments. Horváth (1925) lists one specimen of *Teleonemia amazonica*. Therefore, the type above is a holotype.

Geographic distribution. Known only from the type locality near Manaus, in the state of Amazonas, Brazil.

Ecology. Plant associations: None recorded..

Etymology. Supposedly, named for the region and state the type specimen was collected.

***Teleonemia (Amaurosterphus) annae* (Kirkaldy 1905)**

Americia annae Kirkaldy 1905: 216 (n. sp.) [Peru].

Teleonemia annae: Drake & Hambleton 1938b: 52 (note) [Brazil]; Monte 1941b: 134 (cat.);

Drake & Ruhoff, 1965: 371 (cat.).

Diagnosis. This species can be separated for all members of the genus by the wide costal margin of the hemelytra that is tan in color, but interrupted by a large infusate black band on the basal third.

Measurements. Female. (n=2) Length: 6.36–6.79; width at widest: 2.46–2.66; Head: Scape: 0.22–0.23; pedicel: 0.18; basiflagellomere: 2.50–2.55; distiflagellomere: 0.74–0.83; interocular distance: 0.39–0.40; Thorax: Thickness of thorax: 1.43–1.45; width at humeral angles: 1.48–1.52; length of pronotum in dorsal view: 2.82–2.89; length of hemelytron: 4.71–4.91; length of discoidal area: 2.32–2.35; width of discoidal area: 0.50–0.62 ; Abdomen: Length: 2.76–2.95; length of female terminalia: 0.74–0.85; width of female terminalia: 1.13–1.15.

Type specimen. type; Marcapata Peru type; *Americia annae* Kirkaldy Type; USNMENT 00866856 (♀ USNM). Specimen examined.

Comments. Kirkaldy (1905) clearly presented that he had only one specimen, therefore the specimen above is a holotype. The specimens in appendix table A.1. from Bolivia and Ecuador represent new country records.

Geographic distribution. Bolivia: Santa Cruz; Brazil: Pará; Ecuador: Napo; Peru: Junjin.

Ecology. Plant associations: None recorded..

Etymology. Possibly named after one of Kirkaldy's love interests. See Bainbridge (1934) for interpretation of some Kirkaldy generic names.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) brevipennis* Champion 1898b**

Teleonemia brevipennis Champion 1898b: 63 (n. sp.) [Brazil]; Drake 1922: 357 [Peru]; 1929: 35; 1930b: 1; Drake & Hambleton 1934: 438 [*Cassia*]; 1938a: 45 [*Vernonia polyanthes*]; Costa Lima 1936: 130; Monte 1938: 45; 1939a: 79; 1939b: 59; 1940: 191; 1940: 101; 1941b: 135 (cat.); Drake & Poor 1939: 96 [*Buddleia*]; Silva 1956: 51 [*Ipomoea fistulosa*]; Drake & Ruhoff 1965: 373 (cat.); Montemayor & Coscarón 2005: 43 (checklist); Cazorla & Knudson 2021: 36 (checklist).

Teleonemia brevicornis [sic]: Drake 1935: 10.

Diagnosis. *Teleonemia (Amaurosterphus) brevipennis* can be separated from all other species of *Amaurosterphus* by the combination of the following characters; general color brown and orange-brown, basiflagellomeres nearly uniformly cylindrical throughout, posterior projection noticeably lighter in color than disc, hemelytra brown, veins of costal areas lighter brown, darker near apex, costal areas with two rows of areole beyond apex of discoidal areas, subcostal areas biseriate, apices of discoidal areas reaching midpoints of hemelytra.

Measurements. Male. (n=1) Length: 3.87; width at widest: 1.27; Head: Scape: 0.18; pedicel: 0.21; basiflagellomere: 1.96; distiflagellomere: 0.61; interocular distance: 0.33; Thorax: Thickness of thorax: 0.99; width at humeral angles: 1.10; length of pronotum in dorsal view: 1.89; length of hemelytron: 2.94; length of discoidal area: 1.31; width of discoidal area: 0.44; Abdomen: Length: 2.01; length of pygophore: 0.40; width of pygophore: 0.70. Female. (n=1) Length: 4.47; width at widest: 1.56; Head: Scape: 0.17; pedicel: 0.16; basiflagellomere: 1.62; distiflagellomere: 0.56; interocular distance: 0.28; Thorax: Thickness of thorax: 0.96; width at humeral angles: 1.09; length of pronotum in dorsal view: 1.89; length of hemelytron: 3.08;

length of discoidal area: 1.51; width of discoidal area: 0.42; Abdomen: Length: 2.04; length of female terminalia: 0.65; width of female terminalia: 0.92.

Type specimen. TYPE. ♀. CHAMPION, *Teleonemia brevipennis*. Trans. Ent. Soc. Lud., 1898, p.63, pl.iii, fig.9.; Amazonas Bates. 1861; *Teleonemia brevipennis*, ♀. Type CH. TYPE. ♀. CHAMPION, *Teleonemia brevipennis*. Trans. Ent. Soc. Lud., 1898, p.63, pl.iii, fig.9.; 17; TYPE HEM: 405 TELEONEMIA BREVIPENNIS CHAMPION HOPE DEPT. OXFORD (♀ OUMNH). Photograph of specimen examined.

Comments. Champion (1898) presented that he had at least one female specimen, but did not list a number for how many specimens were observed for his manuscript, therefore I treat the specimen presented above as a syntype and herein designate the above specimen as a Lectotype. Drake & Ruhoff (1965) incorrectly cite BMNH (NHMUK) for deposition of the type.

Geographic distribution. Argentina; Brazil; Paraguay; Peru; Venezuela.

Ecology. Plant associations: *Vernonanthura polyanthes* (Spreng.) Vega & M.Dematteis [Asteraceae]; *Ipomoea carnea* Jacq. [Convolvulaceae]; *Cassia* sp. [Fabaceae] *Buddleja* sp. [Scrophularaceae].

Etymology. *Brevi*: short *pennis*: wing

Material examined. See appendix A.1. See appendix.

***Teleonemia (Amaurosterphus) forticornis* Champion 1898a**

Teleonemia forticornis Champion 1898a: 36 (n. sp.) [Panama]; Drake & Hambleton 1938b: 52

(note) [Argentina, Brazil, Peru]; Drake & Poor 1939: 95; Monte 1939a: 79 (note); 1939b:

59 (checklist) [*Ipomoea batatas*]; 1941b: 136 (cat.); Drake & Ruhoff 1965: 375(cat.);
Froeschner 1999: 269 (cat.); Montemayor & Coscarón 2005: 44 (checklist).

Teleonemia atriflava Monte 1943: 204 (n. sp.); Drake & Ruhoff, 1965: 372 (cat.); Montemayor
& Coscarón 2005: 43 (checklist). [**New Synonymy**]

Teleonemia bierigi Monte 1943: 269 (n. sp.); Drake & Ruhoff, 1965: 372 (cat.). [**New
Synonymy**]

Teleonemia bondari Monte 1943: 270 (n. sp.); Drake & Ruhoff 1965: 373 (cat.). [**New
Synonymy**]

Teleonemia crassispinosa Monte 1946: 285 (n. sp.); Silva 1956: 54 (cat.); Drake & Ruhoff 1965:
374 (cat.). [**New Synonymy**]

Teleonemia jubata Drake & Hambleton 1939: 153 (n. sp.) [Brazil]; Monte 1941b: 137 (cat.);
Drake & Ruhoff 1965: 376 (cat.). [**New Synonymy**]

Teleonemia ruthae Monte 1942: 136 (sp. n.); Drake & Ruhoff 1965: 381 (cat.). [**New
Synonymy**]

Diagnosis. Variable in color and size; red-brown ochraceous to black. Occipital spines
converging near middle, sometimes ending before anterior margins of eyes in lateral view.
Basiflagellomere slightly slenderer than pedicel, elongate. Distiflagellomere subequal in length
to the combined length of scape and pedicel. Bucculae slightly truncate apically, each lateral
margin with a slight notch on margin. Rostrum nearly reaching base of abdomen. When setose;
setae thick near pronotal hood and triangular posterior projection. Pronotal hood only slightly
elevated, slightly tumid, not rising above pronotal disc and not extending over base of head.

Costal area uniseriate, areolae abruptly larger in posterior third, with an occasional intercalary cell or two beyond apex of discoidal cell appearing biseriate at times. Subcostal areas uniseriate at base, then biseriate near middle, with setae at base or throughout. Sternal laminae subparallel.

Measurements. Male. (n = 2) Length: 3.99–4.20; width at widest: 1.12–1.31; Head: Scape: 0.16–0.17; pedicel: 0.15–0.17; basiflagellomere: 1.56–1.63; distiflagellomere: 0.50–0.54; interocular distance: 0.25; Thorax: Thickness of thorax: 0.79–0.85; width at humeral angles: 0.90–1.05; length of pronotum in dorsal view: 1.63–1.80; length of hemelytron: 2.51–2.90; length of discoidal area: 1.33–1.35; width of discoidal area: 0.35–0.39; Abdomen: Length: 1.89–1.93; length of pygophore: 0.42–0.46; width of pygophore: 0.63–0.67. Female. (n =4) Length: 4.19–4.60; width at widest: 1.33–1.50; Head: Scape: 0.17–0.21; pedicel: 0.16–0.17; basiflagellomere: 1.41–1.54; distiflagellomere: 0.50–0.57; interocular distance: 0.26–0.30; Thorax: Thickness of thorax: 0.89–1.03; width at humeral angles: 0.90–1.14; length of pronotum in dorsal view: 1.87–2.08; length of hemelytron: 2.69–3.14; length of discoidal area: 1.38–1.57; width of discoidal area: 0.38–0.46; Abdomen: Length: 2.00–2.19; length of female terminalia: 0.70–0.75; width of female terminalia: 0.86–1.01.

Type specimen. Holo-type; Type; Bugaba, Panama Champion.; B. C. A. Rhyn. II. *Teleonemia forticornis* Ch.; [Drawing of rostral canal]; ♂; NHMUK 011253981 (♂ NHMUK). Specimen examined.

Comments. *Teleonemia forticornis* varies in color, morphology, and exhibits sexual dimorphism as males are typically smaller, narrower and shorter. The color patterns of the hemelytra vary from light-brown to dark infusate brown or dark-brown with yellow markings on costal and discoidal areas of the hemelytra. Upon examination of photographs of type specimens, and all the specimens presented in the appendix, I cannot readily separate many

species that all share similar diagnostic morphologies covered in the diagnosis above. As such, I hereby subjectively synonymize the following species with *T. forticornis*; *T. atriflava* Monte, *T. bierigi* Monte, *T. bondari* Monte, *T. crassipinosa* Monte; *T. jubata* Drake & Hambleton, and *T. ruthae* Monte. The illustration of *T. ruthae* Monte (Monte 1942), does not accurately depict the width of the basiflagellomeres as they are slightly wider in the type specimen. The species status of the aforementioned taxa need to be investigated with topotypical material, morphological, and molecular evidence.

Geographic distribution. Honduras to Argentina.

Ecology. Plant associations: I have collected several adults from *Munnozia* sp.

[Asteraceae]; *Ipomoea batatas* (L.) Lam. [Convolvulaceae].

Etymology. Forti- (Strong) corni (horn); likely named for this species stout antennae.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) guyanensis* Drake & Carvalho 1944**

Teleonemia guyanensis Drake & Carvalho 1944: 41 (n. sp.) [Guyana]; Drake & Ruhoff 1965: 376 (cat.).

Diagnosis. *Teleonemia guyanensis* can be separated from all related species of *Amaurosterphus* by the combination of the following characters; general color mostly dark-brown and light orange-brown, posterior projection mostly concolorous with disc, hemelytra brown, veins of costal areas darker brown near middle and near apex, costal areas with two rows of areole beyond apex of discoidal areas, subcostal areas biseriate.

Measurements. Not recorded in this study.

Type specimen. Mallali Br. Guiana H. S. Parish; HOLOTYPE *Teleonemia guyanensis* Drake & C.; C J Drake Coll. 1956; USNMMENT 00866660 (♀ USNM). Specimen examined.

Geographic distribution. Known only from the type locality in Guyana.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) hasemani* Drake 1922**

Teleonemia hasemani Drake 1922: 357 (n. sp.) [Brazil]; Monte 1941b: 137 (cat.); Drake & Ruhoff 1965: 376 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) hasemani* can be separated from all other species of *Amaurosterphus* by the low pronotal hood, sinusoidal costal veins, by the costal areas that are three irregular rows of areolae beyond discoidal area, by the infusate band on the costal areas near middle and on apical fourth, and by the biseriate subcostal areas.

Measurements. Not taken during this study.

Type specimen. Brazil: São Antonio de Guaporé, 26-VII-1909, J. D. Haseman; “On Island in Rio Guaporé by sweeping” J. D. H.; Carn. Mus. Acc. 4043; Type *Teleonemia hasemani* Drake; CMNH-IZ, 724,105 (♀ CMNH). Photograph of specimen examined.

Geographic distribution. Known only from the type specimen collected near Comunidade Quilombola de Santo Antônio and the paratype (UNSM) collected near Forte Príncipe Da Beira, both locations on the Guaporé River in Rondônia, Brazil.

Ecology. Plant associations: unrecorded.

Etymology. Presumably named after its collector, J. D. Haseman.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) inornata* Monte 1941a**

Teleonemia inornata Monte 1941a: 377 (n. sp.) [Bolivia]; Drake & Ruhoff 1965: 376 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) inornata* can be separated from all other species of *Amaurosterphus* by the combination of the following characters; general color mostly dark-brown, pronotal hood with wax posteriorly and near calli, posterior projection only slightly lighter in color than disc, hemelytra dark-brown, veins of costal areas dark-brown throughout, costal areas with two rows of areolae beyond apex of discoidal areas, subcostal areas biseriate.

Measurements. Male. (n=1) Length: 4.86; width at widest: 1.52; Head: Scape: 0.21; pedicel: 0.17; basiflagellomere: 1.82; distiflagellomere: 0.67; interocular distance: 0.36; Thorax: Thickness of thorax: 1.03; width at humeral angles: 1.29; length of pronotum in dorsal view: 2.04; length of hemelytron: 3.32; length of discoidal area: 1.37; width of discoidal area: 0.50 ; Abdomen: Length: 2.16; length of pygophore: 0.48; width of pygophore: 0.76.

Type specimen. ♀; 1222; Typus; Caranavi; Bolivia- Caranavi 194 P.Denier, col.;
Teleonemia inornata Monte Det. Oscar Monte; MNRJ-ENT3-280 (♀MNRJ). Photograph of specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National. The specimen listed in appendix A.1 from Brazil looks similar to a photograph of a specimen, but may differ in the shape of the pronotal hood.

Geographic distribution. Originally described from Carannavi, Bolivia. One specimen from Ubatuba, São Paulo, Brazil represents a new country record.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) lutzi* Drake 1941**

Teleonemia lutzi Drake 1941: 139 (n. sp.); Drake & Ruhoff 1965: 378 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) lutzi* can be separated from all other similar species by the combination of the following characters; ovate appearance, medial spine stout, thicker than thickness as occipital spines, by the dorsal margins of pronotal carinae being distinctly thicker than thickness of costal veins, by the triseriate costal areas beyond discoidal areas, and by the triseriate subcostal areas.

Measurements. Male. (n = 1) Length: 5.35; width at widest: 2.27; Head: Scape: 0.21; pedicel: 0.14; basiflagellomere: 2.28; distiflagellomere: 0.72; interocular distance: 0.39; Thorax: Thickness of thorax: 1.14; width at humeral angles: 1.56; length of pronotum in dorsal view:

2.40; length of hemelytron: 3.69; length of discoidal area: 1.79; width of discoidal area: 0.53; Abdomen: Length: 2.06; length of pygophore: 0.57; width of pygophore: 0.84. Female. (n =2) Length: 5.20–5.55; width at widest: 2.16–2.38; Head: Scape: 0.20–0.22; pedicel: 0.11–0.16; basiflagellomere: 2.08–2.18; distiflagellomere: 0.67; interocular distance: 0.33–0.34; Thorax: Thickness of thorax: 1.14–1.21; width at humeral angles: 1.37–1.52; length of pronotum in dorsal view: 2.34–2.44; length of hemelytron: 3.73–4.02; length of discoidal area: 1.86–2.00; width of discoidal area: 0.53–0.57; Abdomen: Length: 2.30–2.36; length of female terminalia: 0.91–1.04; width of female terminalia: 1.08–1.27.

Type specimen. Horqueta Paraguay, 45 miles E.; Paraguay Riv. 1-2-1935, Alberto Schulze, Holotype By C. J. Drake, *Teleonemia lutzii* Drake; C J Coll. 1956; USNM 00866666 (♀ USNM). Specimen examined.

Geographic distribution. Bolivia: Santa Cruz; Paraguay: Concepción.

Ecology. Plant associations: unrecorded.

Etymology. Presumably named in honor of amateur entomologist and policeman J. C. Lutz of Pennsylvania whose extensive private collection was transferred to the USNM in 1961 (personal communication, Tom Henry).

Material examined. See appendix A.1.

Teleonemia (Amaurosterphus) morio (Stål 1855)

Tropidocheila morio Stål 1855: 187 (n. sp.) [Brazil]

Lacometopus morio: Stål 1858: 65 (note).

Tingis (Amaurosterphus) morio: Stål 1868: 92 (cat.).

Monanthia morio: Walker 1873: 193 (cat.).

Teleonemia (Amaurosterphus) morio Stål 1873: 131 (cat.); Horváth 1925: 219 (note).

Teleonemia morio: Champion 1898b: 62 (note); Drake 1922: 356 (note); 1930a: 25 (note); Drake & Hambleton 1934: 438 (note) [*Annona squamosa*]; Costa Lima 1936: 130 (note); Drake & Poor 1937: 302 [Paraguay]; Bondar 1936: 51 (note); Monte 1939b: 59 (checklist); 1941b: 138 (cat.); Silva 1956: 56 (cat.). Drake & Ruhoff 1965: 379 (cat). Broglio et al. 2012: 122 (note).

Teleonemia moria [sic.]: Monte 1938:131 [*Anona reticulata*].

Diagnosis. *Teleonemia (Amaurosterphus) morio* is easily separated from all related species by the extremely dark black-brown uniform color, by the elongate and slender basiflagellomeres, by the rostrum extending to the second abdominal sternite, and by the unicolorous dark black brown hemelytra which have uniseriate costal and sub-costal areas of the hemelytra.

Measurements. Male. (n = 2) Length: 5.00–5.01; width at widest: 1.37–1.47; Head: Scape: 0.18–0.22; pedicel: 0.14–0.15; basiflagellomere: 2.40–2.49; distiflagellomere: 0.67; interocular distance: 0.28–0.31; Thorax: Thickness of thorax: 0.84–0.93; width at humeral angles: 1.06–1.10; length of pronotum in dorsal view: 1.91–2.09; length of hemelytron: 3.32–3.80; length of discoidal area: 1.53–1.76; width of discoidal area: 0.43–0.47; Abdomen: Length: 2.25–2.34; length of pygophore: 0.48–0.66; width of pygophore: 0.64–0.67. Female. (n =2) Length: 5.36–5.51; width at widest: 1.76–1.83; Head: Scape: 0.20–0.21; pedicel: 0.15–0.16; basiflagellomere: 2.21–2.26; distiflagellomere: 0.81–0.84; interocular distance: 0.32–0.34;

Thorax: Thickness of thorax: 1.04–1.13; width at humeral angles: 1.30–1.31; length of pronotum in dorsal view: 2.27–2.28; length of hemelytron: 3.49–3.84; length of discoidal area: 2.07–2.11; width of discoidal area: 0.57–0.60; Abdomen: Length: 2.41–2.63; length of female terminalia: 0.67–0.92; width of female terminalia: 1.08–1.11.

Type specimen. Brasil; F. Sahtl.; Typus; *morio* Stål; NHRS-GULI 000029433(♂ NHRS). Herein designated as lectotype. Photograph of specimen examined.

Geographic distribution. Brazil: Bahia; Ecuador: Napo; Panama; Peru: Huánuco.

Ecology. Plant associations: This species has been recorded from several species of the genus *Annona* [Annonaceae]: *Annona cherimola* (Bondar 1936), *Annona reticulata* (Monte 1938), and *Annona squamosa* (Drake and Hambleton 1934, Broglio et al. 2012).

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) omrio*, new species** [*Teleonemia* n. sp. 4]

Diagnosis. *Teleonemia (Amaurosterphus) omrio* is easily separated from all related species by the smaller size, the lighter red-brown pronotal hood and prothorax, and by the rostrum not extending beyond the posterior margin of the metasternum.

Description. Entirely black except pronotal collar and hood yellow brown. **Head.** black, covered with minute amounts of wax, armed with five spines; occipital spines adpressed to head, reaching beyond eye, concolorous with head; medial spine short tuberculate, concolorous with head; frontal spines similar to medial spine, adpressed to medial spine. Basal antennal segment stout, not very elongate, black; second antennal segment shorter than first; third antennal

segment extremely long, slightly pilose; fourth antennal segment shorter, one-fourth length of third. Bucculae bi- to triseriate; rostrum long, just reaching anterior margins of metacoxae.

Thorax. Pronotum punctate, pores with wax, triangular posterior projection areolate, areolae margined with wax; pronotal collar produced to form a small, tumid hood; paranota uniseriate, adpressed to thorax; tricarinate, carinae subequal in height, subparallel. Hemelytra elongate, black; costal areas uniseriate each with a regular row of rectangular, hyaline cells, veins slightly lighter than rest of hemelytra; subcostal area uniseriate, elongate, infuscate; discoidal cell triangular, obtuse, five to six rows at widest, infuscate, with some wax. Sutural areas broad, ten to twelve areolae at widest, completely overlapping, entirely infuscate. Hypocostal area black uniseriate, veins. Metathoracic wings extending slightly beyond apex of abdomen, hemelytra extend slightly beyond wings. Thoracic sterna black, areolae of pleura with wax; rostral laminae uniseriate, diverging, with mild wax along lateral margins.

Abdomen. elongate, all black, covered in wax. Pygophore elongate, black with some waxy covering, with two indentations on ventral surface; parameres black, covered with wax, left paramere one-fourth longer than right paramere.

Measurements. Male. (n = 3) Length: 5.07(5.09)–5.59; width at widest: (1.40)–1.62; Head: Scape: 0.25–(0.28); pedicel: 0.16–(0.20); basiflagellomere: 2.12(2.19)–2.75; distiflagellomere: (0.71)–0.83; interocular distance: 0.28– (0.33); Thorax: Thickness of thorax: (0.97)–1.13; width at humeral angles: (1.21)–1.30; length of pronotum in dorsal view: (1.99)–2.25; length of hemelytron: 3.56(3.59)–4.06; length of discoidal area: (1.89)–2.04; width of discoidal area: (0.46)–0.53; Abdomen: Length: 2.35(2.36)–2.73; length of pygophore: 0.43–(0.48); width of pygophore: 0.65–(0.67). Female. (n =1) Length: 5.13; width at widest: 1.61; Head: Scape: 0.23; pedicel: 0.16; basiflagellomere: 2.12; distiflagellomere: 0.74; interocular

distance: 0.33; Thorax: Thickness of thorax: 1.03; width at humeral angles: 1.26; length of pronotum in dorsal view: 2.07; length of hemelytron: 3.52; length of discoidal area: 2.01; width of discoidal area: 0.53; Abdomen: Length: 2.40; length of female terminalia: 0.81; width of female terminalia: 0.89.

Geographic distribution. Costa Rica: Heredia; Panamá: Panamá.

Ecology. Plant associations: Collected from insecticidal fogging of *Ficus insipida* [Moraceae], *Luehea seemannii* [Malvaceae], *Spondias mombin* [Anacardiaceae], and *Cassia moschata* [Fabaceae].

Etymology. The species is named because of its similarity to *Teleonemia morio*. To tie these two species together, I propose the epithet (*omrio*), which is an anagram for *morio*.

Material examined. Holotype. PANAMA: Canal Zone: Panama City: Monsoon Forest, Canopy fogging, 15-30-VII-1979, E. Broadhead et al. B.M. 1979-125; on *Ficus insipida* W., No macro epiphytes on trunk, some lianas on crown (1♂ NHMUK). **Paratypes.** Same data as holotype (2♂ 2♀ NHMUK); PANAMA: Canal Zone: Pipeline Rd. Canopy Knockdown, *Luehea seemannii*, 24-X-1975 (1♀ USNM); PANAMA: Canal Zone: Colon: Humid Forest, Canopy fogging, 2-14-VII-1979, E. Broadhead et al. B.M. 1979-125; on *Spondias mombin* Linnaeus; A few macro epiphytes on trunk, many lianas on crown (3♂ 1♀ NHMUK); Canal Zone: Panama City: Monsoon Forest, Canopy fogging, 15-30-VII-1979, E. Broadhead et al. B.M. 1979-125; on *Cassia moschata* H. B. K., No macro epiphytes on trunk, many lianas on crown (4♂ 2♀ NHMUK). COSTA RICA: Prov. Heredia: F. La Selva: 3km S Pto. Viejo. 10°26'N, 84°01'W, 31-VII-1976, H. A. Hespenheide (1♂ USNM). Types will be conserved in their respective collections.

***Teleonemia (Amaurosterphus) picta* Champion 1898a**

Teleonemia picta Champion 1898a: 42 (sp. n.) [Panama]; (Drake & Ruhoff 1965: 380 (cat.);
Froeschner 1999: 269 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) picta* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; medial spine porrect to adpressed to paired frontal spines, anterior margin of pronotal hood distinctly projecting forward beyond bases of occipital spines in dorsal view, costal areas of hemelytra with two to three rows or areolae at widest, costal areas infusate near middle, and subcostal areas with more than two rows of areolae.

Measurements. Female. (n=2) Length: 4.41–4.46; width at widest: 1.74; Head: Scape: 0.22; pedicel: 0.15–0.16; basiflagellomere: 1.63–1.96; distiflagellomere: 0.42–0.47; interocular distance: 0.30; Thorax: Thickness of thorax: 0.95–0.98; width at humeral angles: 1.01–1.24; length of pronotum in dorsal view: 2.00–2.11; length of hemelytron: 3.12–3.13; length of discoidal area: 1.47–1.74; width of discoidal area: 0.40–0.43; Abdomen: Length: 2.02–2.04; length of female terminalia: 0.67–0.87; width of female terminalia: 0.84–0.86.

Type specimen. SYN- TYPE; Type; Caldera, 1200 ft. Champion.; Sp. figured; B. C. A. Rhyn. II. *Teleonemia picta* Ch.; ♂; ♀; NHMUK 011253992; NHMUK 011253993;
LECTOTYPE (♂) *Teleonemia picta* Champion Det. A. H. Knudson 20 (♂ NHMUK) Male specimen on card herein designated as lectotype. Specimen examined.

Geographic distribution. Costa Rica; Panama.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) quechua* Monte 1943**

Teleonemia quechua Monte 1943: 106 (sp. n.) [Peru]; Drake & Hambleton 1944: 21(note)
[Colombia]; 1945: 357(note); Drake & Ruhoff 1965: 381 (cat.).

Teleonemia brevipennis: Drake 1925: 35 [misdet]

Diagnosis. *Teleonemia (Amaurosterphus) quechua* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color brown and yellow, basiflagellomeres noticeably clavate near apices, distiflagellomeres nearly two or more times the combined length of scape and pedicel, posterior projection noticeably lighter in color than disc, hemelytra brown, veins of costal areas lighter brown, darker near apex, costal areas with two rows of areole beyond apex of discoidal areas, subcostal areas biseriate, apices of discoidal areas reaching midpoints of hemelytra, and legs red-brown.

Measurements. Male. (n = 3) Length: 4.83–5.04; width at widest: 1.47–1.61; Head: Scape: 0.20–0.23; pedicel: 0.16–0.18; basiflagellomere: 1.73–2.18; distiflagellomere: 0.72–0.78; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 1.01–1.06; width at humeral angles: 1.17–1.24; length of pronotum in dorsal view: 1.98–2.15; length of hemelytron: 3.30–3.56; length of discoidal area: 1.52–1.65; width of discoidal area: 0.39–0.44; Abdomen: Length: 2.24–2.35; length of pygophore: 0.43–0.52; width of pygophore: 0.75–0.80. Female. (n = 3) Length: 4.65–5.10; width at widest: 1.59–1.87; Head: Scape: 0.16–0.23; pedicel: 0.15–0.18; basiflagellomere: 1.78–1.92; distiflagellomere: 0.64–0.71; interocular distance: 0.30–0.35; Thorax: Thickness of thorax: 1.05–1.06; width at humeral angles: 1.23–1.28; length of pronotum in dorsal view: 2.13–2.18; length of hemelytron: 3.15–3.49; length of discoidal area: 1.62–1.83;

width of discoidal area: 0.52–0.53; Abdomen: Length: 2.22–2.51; length of female terminalia: 0.80–0.85; width of female terminalia: 0.99–1.07.

Type specimen. ♀; Typus; Satipo, Peru VIII-1942, P. Paprzycki; *Teleonemia quechua* Monte Det. Oscar Monte; MNRJ-ENT3-282 (♀ MNRJ). Photograph of specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National Museum on September 2, 2018.

Geographic distribution. Bolivia, Brazil, Colombia, and Peru.

Ecology. Plant associations: unrecorded.

Etymology. Possibly named after the Quechua people of Peru.

Material examined. See appendix A.1.

Teleonemia (Amaurosterphus) radagasti, new species [*Teleonemia* n. sp. 2]

Diagnosis. *Teleonemia (Amaurosterphus) radagasti* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color mostly dark chocolaty-brown, pronotal hood extremely low, pronotal collar and posterior projection with few, slender setae, costal and subcostal areas of hemelytra uniseriate.

Description. Uniformly colored dorsally, chocolate brown to black; general shape elongated, slightly widening from head to wing apices; body covered in short, thick pubescence.

Head. with moderately long occipital spines, adpressed to head. Antennae distinctly pilose, covered with thick stout hairs; segment one stout, short; segment two thinner, thirds length two-

thirds length of segment one; segment three long, thinner than segment two, but stout; segment four weakly clavate, more than one-third length of segment three. Eyes moderately large, brown. Bucculae contiguous anteriorly, triseriate; rostrum moderately long, extending to posterior margin of mesosternum.

Thorax. Pronotum brown, punctate, sharply tricarinate; lateral carinae low, uniseriate; median carina twice as tall as lateral pair, uniseriate; paranota narrow, reflexed alongside of pronotum, uniseriate, but appearing carinate from above; triangular posterior projection areolate. Wings chocolate brown, cells infusate with brown, elongate ovate; costal area uniseriate, areolae small, gradually increasing in size apically; subcostal area uniseriate, areolae similar to costal area; discoidal cell large, triangular, seven rows of areolae at widest, apex extending beyond middle of wing; sutural areas extremely large, comprising two-thirds of wing, ten rows of areolae at widest. Rostral laminae thick, pilose, diverging posteriorly. Legs uniform in color; femora thickened near middle, hairy, tibiae more slender, subequal in length to femora, pilose, apically with a thick tuft of setae; tarsi pilose ventrally; tarsal claws sharply curved, widely diverging.

Abdomen. red-brown with short, stout, tan setae; abdominal segments appearing rugose laterally; apex of abdomen broad, with long setae.

Measurements. (n=3): 5.5 long, 1.5-1.6 wide, antennal segments one through four, respectively: 0.22-0.25, 0.15-0.16, 1.63-1.105, 0.43-0.44. Holotype: 5.5 long, 1.5-1.6 wide, antennal segments one through four, respectively: 0.25, 0.165, 1.105, 0.43.

Geographic distribution. Costa Rica: Puntarenas.

Ecology. Plant associations: unrecorded.

Etymology. This species is almost uniformly brown, and is not as colorful or patterned as its congeners. I name it in honor of J. R. R. Tolkien's underappreciated fictional wizard, Radagast the Brown.

Material examined. Holotype. COSTA RICA: Prov. Puntarenas: Rancho Quemado, Pen. Osa, F. Quesada, IV-1991, L- S 292500_511000 (♂ INBio). **Paratypes.** Same data as holotype (1♂ 1♀ INBio). Types will be conserved in the INBio type collection.

Teleonemia (Amaurosterphus) rhopalocera, new species [*Teleonemia* n. sp. 3]

Diagnosis. *Teleonemia (Amaurosterphus) rhopalocera* is easily separated from all related species by the basal clavate areas of the basiflagellomeres in the male.

Description. Mostly brown, with lighter testaceous markings. **Head.** brown, armed with five spines; occipital spines downcurved, adpressed to head, extending beyond base of medial spine, concolorous with head; medial spine tuberculate, down curved, adpressed to head; frontal spines, directed towards each other, forming small tubercles. First antennal segment short, stout; second segment half as long as first, more pilose, darker brown; third segment pilose, basally clavate, swollen, but narrowing towards apex; fourth segment elongate, one-fourth length of third, slightly narrower than third. Bucculae quadriseriate, rather broad, extremely long, extending to near procoxae, basally covered with wax, ochraceous brown. Rostrum moderately long, mostly brownish, reaching base of abdomen.

Thorax. Pronotum dark-brown, hood and collar lighter yellow brown, fades on posterior triangular projection. Pronotal collar inflated apically to form a tectiform hood, nearly as tall as pronotal disc. Paranota uniseriate, adpressed to side of pronotum. Pronotum tricarinate, median

carina moderately tall, lateral carinae half as tall as median carina, uniseriate, constricted on posterior portion of pronotal disc and posterior triangular projection. Hemelytra elongate, mostly yellow brown basally, darker infusate on middle and apex; each costal area uniseriate, cells hyaline, apex infusate; subcostal areas biseriata, cells hyaline, veins brownish, subcostal extensions uniseriate; discoidal cell six areolae at widest, trapezoidal-shaped, basally hyaline to lightly infusate, infusate near apex; sutural are of wing extremely wide, 10 to 12 areolae at widest, mostly infusate, completely overlapping; hypocostal area uniseriate, elongate, with light-brown veins, cells hyaline. Legs subequal in length, unicolorous, but tarsi more darkly infusate; femora and tibiae with short fine hairs; tarsi extremely minute, with hairs on ventral surface of second tarsal segment. Thoracic pleurites elongate, brown, ostiolar peritremes elongate, light-brown.

Abdomen. light-brown, wax filling sutures between sternites. Pygophore ventrally with two small concavities with wax; parameres basally darker fuscous than pygophore. Basally in same plane, left paramere curved apically to overlap right paramere, with hairs along outside margins; dorsal margin of pygophore with hairs.

Measurements. (n=1): Length: 4.41, width: 1.25, length of antennal segments one through four, respectively: 0.18, 0.14, 1.119, 0.48.

Measurements. Male. (n = 1) Length: (4.45); width at widest: (1.26); Head: Scape: (0.20); pedicel: (0.12); basiflagellomere: (1.78); distiflagellomere: (0.56); interocular distance: (0.22); Thorax: Thickness of thorax: (0.94); width at humeral angles: (1.01); length of pronotum in dorsal view: (1.85); length of hemelytron: (3.05); length of discoidal area: (1.52); width of discoidal area: (0.42); Abdomen: Length: (2.12); length of pygophore: (0.44); width of pygophore: (0.67).

Type specimen. Holotype: COSTA RICA: Heredia: Estación Biológica La Selva, 50-100m, 10° 26'N 84° 01'W, 4-6-IV-2003, E. G. Riley; TAMU-ENTO, X0775140 (1♂ TAMU).

Type will be conserved in the TAMU type collection.

Comments. Holotype is a teratological specimen, the left third antennal segment is formed apically like the right fourth segment. However, the bases of the third antennal segments are nearly identical.

Geographical distribution. Costa Rica; Heredia.

Ecology. Plant associations: unrecorded.

Etymology. This species is named for its clavate (*rhopala*-) third antennal (*-cera*) segment.

***Teleonemia (Amaurosterphus) simillima* Monte 1941a**

Teleonemia simillima Monte 1941a: 376 (n. sp.); Drake & Ruhoff 1965: 384 (cat.).

Diagnosis. *Teleonemia (Amaurosterphus) simillima* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color dark black-brown margined with yellow, basiflagellomeres weakly clavate near apices, distiflagellomeres nearly two or more times the combined length of scape and pedicel, Pronotal color and hood yellow, contrasting with dark black disc, lateral carinae concolorous with disc, median carina lighter yellow-brown, posterior projection noticeably lighter in color than disc, hemelytra black-brown, veins of costal areas yellow brown, darker near apex, costal areas with

two rows of areole beyond apex of discoidal areas, subcostal areas biseriolate, apices of discoidal areas reaching midpoints of hemelytra, and legs black.

Measurements. Not taken in this study.

Type specimen. 1433; ♂; Typus; Pto. America R. Putumayon BRAZ, Aug. 30-Sep2, '20; Cornell Univ. Ex-pedition [Sic] Lot 569, Sub 291; *Teleonemia simillima* Monte Det. Oscar Monte; MNRJ-ENT3-284 (♂ MNRJ). Photograph of specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National Museum on September 2, 2018.

Geographic distribution. Brazil: Amazonas.

Ecology. Plant associations: None recorded..

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) triangularis* (Blanchard 1842)**

Tingis triangularis Blanchard 1842: pl. XXIX fig. 10 (n. sp.); 1847: 219 [Bolivia]; Stål 1873: 134 (cat.); Lethierry & Severin 1896: 26 (cat.); Champion 1898a: 43 (note).

Lacometopus albilaterus Stål 1858: 65 (n. sp.) [Brazil] (Synonymized. by Champion 1898a).

Tingis (Americia) albilatera: Stål 1873: 131 (cat.).

Monanthia albilatera: Walker 1873: 193 (cat.).

Lasiacantha (Americia) albilatera: Lethierry & Severin 1896: 26 (cat.)

Teleonemia triangularis: Champion 1898b 61; Drake 1922: 359, 1935: 10 [Paraguay]; Drake & Poor 1937: 302; Drake & Hambleton 1938: 53; Monte 1940: 190, 1941b: 141 (cat.) [Argentina]; Silva 1956: 64; Drake & Ruhoff 1965: 385 (cat.); Montemayor & Coscaron 2005:44 (checklist).

Diagnosis. *Teleonemia (Amaurosterphus) triangularis* is easily separated from all related species by its large size, triangulate appearance, broad costal areas of the hemelytra that are xxx rows of areolae at widest, by the subcostal areas which are biseriate at widest, and by the normally expressed cubitus veins on the hemelytra.

Measurements. Female. (n=1) Length: 6.16; width at widest: 2.80; Head: Scape: 0.29; pedicel: 0.22; basiflagellomere: 2.15; distiflagellomere: 0.64; interocular distance: 0.41; Thorax: Thickness of thorax: 1.09; width at humeral angles: 1.46; length of pronotum in dorsal view: 2.39; length of hemelytron: 4.22; length of discoidal area: 2.37; width of discoidal area: 0.72; Abdomen: Length: 2.61; length of female terminalia: 0.89; width of female terminalia: 1.18.

Type specimen. BOLIVIA (CHIQUITOS) D'ORBIGNY 1834; 8739 34; MUSEUM PARIS; HOLOTYPE *Tingis triangularis*; *Teleonemia triangularis* Type (Blanch.); Museum Paris MNHN (EH) 20532 (♀ MNHN) herein designated as lectotype. Specimen examined.

Comments. See *Eurypharsa circumdata* for a discussion regarding dates of publication. The specimen listed above is missing the abdomen, however the extremely wide hemelytra suggest that the specimen was a female. Blanchard (1846) never listed how many specimens were examined and what sexes were included in that study.

Geographic distribution. Argentina, Bolivia: Santa Cruz, Brazil, Paraguay.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for its triangular appearance when hemelytra are held at rest.

Material examined. See appendix A.1.

***Teleonemia (Amaurosterphus) tricolor* (Mayr 1865)**

Monanthia (Gargaphia) tricolor Mayer 1865: 442 (n. sp.) [Venezuela]; Walker 1873: 192 (cat).

Monanthia lanceolata Walker 1873: 194 (n. sp.); Distant 1902: 357 (note).

Gargaphia tricolor: Stål 1873: 125 (note).

Teleonemia albomarginata Champion 1898a: 43 (n. sp.) [Panama]; Drake 1922: 358 (note)

[Guatemala], 1929:35 (note) [Surinam], 1931a: 226 (note) [Colombia; Paraguay], 1932: 100 (note) [Panama]; Drake & Bruner 1924: 145 (note) [Trinidad]; Drake & Hambleton 1934: 438 (note); Drake & Poor 1939: 95 [Argentina]; Monte 1939b: 59 (checklist), 1940a: 190 (note), 1940b: 298 (note), 1943a: 107 (note), 1944: 454 (note), 1947: 233 (note). Synonymized by Drake & Poor 1942.

Americia albomarginata: Kirkaldy 1905: 216 (note) [Peru].

Teleonemia (Americia) albomarginata: Horváth 1925: 219 (note).

Teleonemia dispersa Drake 1931a: 227 (n. sp.) [Ecuador]. Synonymized by Drake & Poor 1942.

Teleonemia spectabilis Drake 1931a: 226 (n. sp.); 1935:10 (note); Drake & Bondar 1932: 87 (note); Monte 1941b: 141 (cat.). Synonymized by Drake & Poor 1942.

Teleonemia lanceolata: Drake & Hambleton 1938a: 52 (note) [*Cucurbita moschata*], 1944: 121 (note), 1945: 357 (note); Drake & Poor 1942: 299 (note); Drake 1948: 430 (note); Silva

1956: 54 (cat.) [*Sechium edule*; *Sicana odorifera*]. Synonymized by Drake & Ruhoff 1962.

Teleonemia tricolor: Drake & Ruhoff 1962: 133 (note); 1965: 385-386 (cat.); Froeschner 1981: 99 (cat.); Froeschner 1999: 270 (cat.); Arnold 2004:75 (note); Montemayor & Coscarón 2005: 44 (checklist); Cazorla & Knudson 2021: 38 (checklist).

Diagnosis. This species can be separated from all *Teleonemia* by the by the lighter colored median carina that is more elevated than lateral carinae, by the broad costal area with at least four rows of areolae that are only infuscate at apex, by the subcostal areas that have at least four rows of cells and by the weakly expressed cubitus vein near apex of discoidal cell.

Measurements. Male. (n = 3) Length: 5.66–5.99; width at widest: 2.11–2.56; Head: Scape: 0.25–0.27; pedicel: 0.16–0.19; basiflagellomere: 2.43–2.62; distiflagellomere: 0.77–0.93; interocular distance: 0.34–0.37; Thorax: Thickness of thorax: 1.31–1.35; width at humeral angles: 1.42–1.43; length of pronotum in dorsal view: 2.41–2.45; length of hemelytron: 3.86–4.16; length of discoidal area: 1.63–2.13; width of discoidal area: 0.40–0.45; Abdomen: Length: 2.55–2.88; length of pygophore: 0.54–0.67; width of pygophore: 0.71–0.92. Female. (n = 3) Length: 5.96–6.33; width at widest: 2.20–2.76; Head: Scape: 0.24–0.29; pedicel: 0.17–0.19; basiflagellomere: 2.28–2.62; distiflagellomere: 0.72–0.86; interocular distance: 0.35–0.42; Thorax: Thickness of thorax: 1.38–1.42; width at humeral angles: 1.47–1.54; length of pronotum in dorsal view: 2.65–2.67; length of hemelytron: 4.11–4.69; length of discoidal area: 1.98–2.31; width of discoidal area: 0.54–0.61; Abdomen: Length: 2.64–2.91; length of female terminalia: 0.57–0.85; width of female terminalia: 1.06–1.29.

Type specimen. Bugaba, Panama, Champion. B. C. A. Rhync. II, *Teleonemia albomarginata* Champion; NHMUK 011253976; LECTOTYPE *Teleonemia albomarginata* Champion Det. Knudson (♀ NHMUK). Herein designated as lectotype. Specimen examined.

Comments. Distant (1902) lists Walker's (1873) type of *Monanthia lanceolata* as no longer present in the British Museum, however there is no indication if the specimen was damaged or lost. Mayer's original types are not in the Vienna museum (personal communication with Herbert Zettel, Vienna museum) Champion's types for *T. albomarginata* is still present in Oxford museum and NHMUK.

Geographic distribution. Southern Mexico to northern Argentina (except Chile).

Ecology. Plant associations: *Sechium edule* (Jacq.) Sw. [Cucurbitaceae]; *Sicana odorifera* (Vell.) Naudin [Cucurbitaceae]; *Cucurbita moschata* Duchesne ex Poir. [Cucurbitaceae].

Material examined. See appendix A.1.

Teleonemia (Amaurosterphus) n. sp. 5

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 5* can be separated from all other species of *Amaurosterphus* by the combination of the following characters; total length not longer than 5.1mm, general color mostly dark-brown and orange, posterior projection only slightly lighter in color than disc, hemelytra brown, veins of costal areas only dark-brown near apex, costal areas with two rows of areole beyond apex of discoidal areas, subcostal areas biseriata.

Description. Generally elongate, dark-brown species margined with orange, with cream-colored setae. **Head.** Moderately elongate; occipital spines brown, stout, incurved, porrect,

apices surpassing anterior margins of eyes and base of medial spine, one and one-quarter to one and one-third as long as width of eye; medial spine concolorous with occipital spines, stout, moderately elongate, two-thirds length of occipital spines, porrect, apex nearly reaching apices of paired frontal, base with curved, cream-colored setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, subequal to length of medial spine, lateral bases with thickened setae; antenniferous tubercles subequal to width of eye, dorsal margins beset with downcurved setae. Antennae red-brown to black-brown; scape barrel-shaped, one and one-half as long as eye width, with cream-colored wax; pedicel short, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, nine times length of scape, slender throughout much of length, weakly clavate near apex; distiflagellomere concolorous with basiflagellomere, two and one-half to three times length of scape, fusiform, truncate apically. Eyes large, D-shaped, anterior margin truncate at bases of antenniferous tubercles; maxillary plates with downcurved setae; dark red-brown, with thickened downcurved setae; bucculae broad, height one and one-half wider than width of eye, triseriate, lateral margins with thickened downcurved setae, extending apically, in line with apex of clypeus, contiguous apically, ventral margin uniformly curved in lateral view; rostrum brown, elongate, extending to middle of metasternum, apical half of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc one and one-half to times diameter of punctures, disc dark-brown; calli dark-brown, shining, margined with thickened setae; pronotal hood only slightly elevated than disc, two areolae tall, narrow, weakly produced anteriorly covering bases of occipital spines, four to five areolae long, slightly tumid posteriorly, with minute pubescence posteriorly, dorsal margin broadly rounded in lateral view, median

carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, thick and carinate near humeral angles; median carina extending to apex of pronotum; pronotal carinae uniseriate, moderately tall, areolae distinctly elevated from pronotal disc, concolorous with pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein very thick, comprising nearly one-half of median carina height, median carina slightly lower on posterior margin of disc; lateral carinae slightly divergent posteriorly; areolae of triangular posterior projection abruptly increase in size near base to apex, margined with thickened setae; propleuron similarly punctured like pronotal disc on basal two-thirds, lateral margin areolae, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, widest near base, subparallel beyond; mesothoracic sternal laminae much wider apart at base than prothoracic laminae, subparallel in base, constricted near middle, slightly diverging beyond posterior half; metasternal laminae slightly wider than mesothoracic sternal laminae sinusoidal; metasternum concave near basal half, then flat posteriorly, with minute pubescence. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, with dense pubescence; femora concolorous with preceding, moderately elongate, widest beyond middle, with whitish wax; tibiae slender, brown, slightly darker near apex, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae bordered by minute pubescence near base, largest near middle, smaller near apex; costa yellow, brown on

apical fourth; costal area yellow, uniseriate on basal third, biseriate beyond, areolae hyaline, except fuscous band on apical fourth, areolae mostly subequal in size; subcosta yellow, yellow-brown near middle; subcostal area yellow-brown, embrowned along R+M vein biseriate along discoidal area, subvertical, with thickened curved setae on basal third; R+M vein yellow on basal third, brown beyond, sinusoidal; discoidal cell mostly dark-brown, yellow on basal fourth, midpoint near apex of triangular posterior projection, broad, each comprised of six rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight beyond middle, weakly raised; sutural areas dark-brown, moderately large, eight to nine rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending to middle of apices of abdomen and hemelytra.

Abdomen. Red brown, ovate, widest near middle, covered with cream-colored pubescence, last abdominal segment in male with prominent tubercle on each dorso-posterior-lateral margin. Each eighth paratergite with broad basal depression, apical lateral margins triangular, slightly projected posteriorly; ninth paratergites each with a diagonal groove near base towards middle, proximal margins broader, weakly depressed on lateral margin, excavate near apical third, there beset with thickened cream-colored setae. Pygophore concolorous with abdomen broad, subequal in width to preceding abdominal segment, ventral basal depressions deep and extending vertically and laterally; parameres red-brown, lighter in color near apex, stout near base, downcurved and depressed on dorsal margined near middle, slender near apex, broadly curved, after middle and then again near apical fourth, setose on postero-lateral margins.

Measurements. Male. (n = 3) Length: 5.40–(5.54); width at widest: 1.59–(1.63); Head: Scape: (0.18)–0.22; pedicel: 0.15–(0.16); basiflagellomere: 2.22(2.24)–2.26; distiflagellomere:

0.53–(0.79); interocular distance: 0.27 (0.30)–0.33; Thorax: Thickness of thorax: (1.05)–1.09; width at humeral angles: 1.21–(1.32)1.33; length of pronotum in dorsal view: 2.13–(2.20); length of hemelytron: 3.71–(3.94); length of discoidal area: (1.95)–1.98; width of discoidal area: (0.45)–0.53; Abdomen: Length: (2.32)–2.55; length of pygophore: (0.39)–0.45; width of pygophore: 0.72–(0.75)0.78. Female. (n =3) Length: 5.55–5.74; width at widest: 1.71–1.87; Head: Scape: 0.23–0.27; pedicel: 0.15–0.16; basiflagellomere: 1.91–2.26; distiflagellomere: 0.65–0.66; interocular distance: 0.30–0.34; Thorax: Thickness of thorax: 1.16–1.19; width at humeral angles: 1.30–1.35; length of pronotum in dorsal view: 1.92–2,16; length of hemelytron: 3.51–3.98; length of discoidal area: 1.94–2.07; width of discoidal area: 0.57; Abdomen: Length: 2.58–2.65; length of female terminalia: 0.86–0.88; width of female terminalia: 1.02–1.12.

Type specimen. ECUADOR: Napo Prov. Estación Científica Yasuní 00°40'28"S, 76°38'50"W, IX-5-10-1999, 215 m Coll. E. G. Riley (♂ TAMU).

Geographic distribution. Ecuador: Napo; Peru: Junín.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: Same data as Holotype (2♂ 2♀ TAMU); ECUADOR: Napo Prov. 12 km. SW Estación Científica Yasuní, IX-7- 1999, E. G. Riley; TAMU - ENTO X1148935 (1♀ TAMU); Peru: Junin, Satipo 19.I.1984 leg. L. Huggert (1♂ MZLU).

Teleonemia (Amaurosterphus) n. sp. 6

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 6* can be separated from all other species of *Amaurosterphus* by the combination of the following characters; total length longer than 5.3

mm, general color mostly dark-brown and yellow, posterior projection only slightly lighter in color than disc, hemelytra brown, veins of costal areas only dark-brown near apex, costal areas with two rows of areole beyond apex of discoidal areas, subcostal areas biseriatae.

Description. Generally ovate, dark-brown species margined with yellow, with cream-colored setae. **Head.** Moderately elongate; occipital spines yellow-brown, slender, subparallel, porrect, apices surpassing anterior margins of eyes and base of medial spine, one and one-third as long as width of eye; medial spine concolorous with occipital spines, stout, moderately elongate, two-thirds length of occipital spines, porrect, apex nearly reaching apices of paired frontal, base with curved, cream-colored setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine, lateral bases with thickened setae; antenniferous tubercles subequal to width of eye, dorsal margins beset with downcurved setae. Antennae red-brown to black-brown; scape barrel-shaped, one and one-third as long as eye width, with cream-colored wax; pedicel short, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, ten to eleven times length of scape, slender throughout much of length, weakly clavate near apex; distiflagellomere concolorous with basiflagellomere, two and one-half times length of scape, fusiform, truncate apically. Eyes large, D-shaped, anterior margin truncate at bases of antenniferous tubercles; maxillary plates with downcurved thickened setae; clypeus dark red-brown, with thickened downcurved setae; bucculae narrow, height one and one-third wider than width of eye, triseriate, lateral margins with thickened downcurved setae near base, truncate apically, in line with apex of clypeus, contiguous apically, ventral margin uniformly curved in lateral view; rostrum brown, elongate, extending to middle of metasternum, apical half of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc one and one-half to times diameter of punctures, margined with thickened setae, disc dark-brown; calli dark-brown, shining, margined with thickened setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, narrow, weakly produced anteriorly covering bases of occipital spines, four areolae long, slightly tumid posteriorly, with thickened, curved setae posteriorly, dorsal margin broadly rounded in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, thick and uniseriate near humeral angles; pronotal carinae uniseriate, moderately tall, areolae distinctly elevated from pronotal disc, lighter yellow-brown; median carina slightly more elevated than lateral carinae, the dorsal vein very thick, comprising nearly one-third of median carina height, median carina slightly lower on posterior margin of disc; lateral carinae expressed laterad near apex of disc, subvertical behind, slightly divergent posteriorly; areolae of triangular posterior projection abruptly increase in size near base to apex, margined with thickened setae; propleuron similarly punctured like pronotal disc on basal two-thirds, lateral margin weakly areolae, punctures margined with downcurved thickened setae on basal two-thirds. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae much wider apart at base than prothoracic laminae, subparallel beyond, constricted near middle; metasternal laminae slightly wider than mesothoracic sternal laminae, constricted on basal third, crescentic in posterior two-thirds; metasternum concave near basal half, then flat posteriorly, with minute pubescence. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, with dense pubescence; femora concolorous with

preceding, moderately elongate, widest beyond middle, with whitish wax; tibiae slender, brown, slightly darker near apex, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae bordered by minute pubescence near base, largest near middle, smaller near apex; costa yellow, brown on apical fourth; costal area yellow, uniseriate on basal third, biseriate beyond, areolae hyaline, except fuscous band on apical fourth, areolae mostly subequal in size; subcosta yellow, yellow-brown near middle; subcostal area yellow-brown, embrowned along R+M vein biseriate along discoidal area, subvertical, with thickened curved setae on basal third; R+M vein yellow on basal third, brown beyond, sinusoidal; discoidal cell mostly dark-brown, yellow on basal fourth, midpoint near apex of triangular posterior projection, broad, each comprised of six rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight beyond middle, weakly raised; sutural areas dark-brown, moderately large, eight to nine rows of areolae at widest, areolae near base subequal to those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Red brown, ovate, widest near middle, covered with yellow-colored pubescence. Each eighth paratergite with a broad basal depression, apical lateral margins triangular, slightly projected posteriorly, covered with minute pubescence; ninth paratergites each with a diagonal groove near base towards middle, proximal margins broader, weakly depressed on lateral margin, excavate near apical third, there beset with thickened cream-colored setae.

Measurements. Female. (n = 2) Length: (4.94)–5.95; width at widest: (1.63)–1.80; Head: Scape: (0.19)–0.20; pedicel: (0.14)–0.16; basiflagellomere: (1.90)–2.20; distiflagellomere: (0.62)–0.66; interocular distance: 0.30–(0.31); Thorax: Thickness of thorax: (0.99)–1.05; width at humeral angles: (1.13)–1.25; length of pronotum in dorsal view: 1.88–(1.97); length of hemelytron: (3.30)–3.32; length of discoidal area: 1.77–(1.81); width of discoidal area: (0.48)–0.54; Abdomen: Length: (2.09)–2.43; length of female terminalia: (0.52)–0.72; width of female terminalia: 0.68–(0.72).

Type specimen. Holotype: GUYANA: Region 8, Iwokrama Forest, Turtle Mt. base camp 50m, 4°43'5"N, 58°43'5"W 31-V-2001; E. Charles ex: beating vegetation GUY1BF01 074; SM0545038 KUNHM-ENT (♀ SEMC)

Geographic distribution. Known only from the type locality in Potaro-Siparuni, Guyana.

Ecology. Plant associations: None recorded..

Material examined. Paratype: GUYANA: Region 8, Iwokrama Forest, Turtle Mt. base camp 50m, 4°43'5"N, 58°43'5"W 31-V-2001; E. Charles ex: beating vegetation GUY1BF01 074; SM0545038 KUNHM-ENT (♀ SEMC).

Teleonemia (Amaurosterphus) n. sp. 7

Diagnosis. *Teleonemia* new species 7 can be separated from all other species by the combination of the following characters; anterior margin of pronotal hood reaching to bases of occipital spines, pronotal hood extremely narrow; costal area of hemelytra yellow except for a

black band near middle and another on apical fourth, mostly biseriate, uniseriate near middle; subcostal area triseriate at widest, infusate near middle.

Description. Generally elongate, ovate, dark-brown and yellow species, with cream-colored setae. **Head.** Moderately elongate; occipital spines yellow-brown, stout, incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, one and one-third as long as width of eye; medial spine slightly darker than occipital spines, stout, moderately elongate, three-quarters length of occipital spines, porrect, apex surpassing apices of paired frontal spines, base with curved, cream-colored setae; paired frontal spines erect, produced anteriorly beyond clypeus, subparallel, one-third length of medial spine, lateral bases with thickened setae; antenniferous tubercles subequal to width of eye, dorsal margins beset with downcurved setae. Antennae red-brown to black-brown; scape barrel-shaped, one and one-third as long as eye width, with cream-colored wax on ventral margin; pedicel short, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, ten to eleven times length of scape, slender throughout much of length, weakly clavate near apex; distiflagellomere concolorous with basiflagellomere, nearly three times length of scape, fusiform, widest beyond middle, truncate apically. Eyes large, ovate, anterior margin not truncate at bases of antenniferous tubercles; maxillary plates with downcurved thickened setae, near apices; clypeus dark red-brown, with thickened downcurved setae; bucculae narrow, height subequal to one and one-quarter wider than width of eye, triseriate, lateral margins with thickened downcurved setae near base, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin sinusoidal in lateral view; rostrum brown, elongate, extending to posterior margin of metasternum, mostly infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures, disc dark red-brown; calli dark red-brown, shining, margined with thickened setae; pronotal hood much lower than disc, two areolae tall, extremely narrow, weakly produced anteriorly, apical margin subparallel to bases of occipital spines, four areolae long, weakly dilated posteriorly, with thickened, curved setae on margin, dorsal margin flat in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, smaller in posterior, uniseriate near humeral angles; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc, lighter yellow-brown; median carina one and one-half times more elevated than lateral carinae, the dorsal vein very thick, comprising nearly one-third of median carina height; lateral carinae darker infusate at most elevated area of pronotal disc, mostly subparallel; areolae of triangular posterior projection abruptly increase in size after basal third, gradually larger to apex, margined with thickened setae; propleuron similarly punctured like pronotal disc, margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, widening throughout length, weakly constricted near middle; metasternal laminae slightly wider than mesothoracic sternal laminae, mostly subparallel, but constricted near middle; metasternum weakly concave, with minute pubescence on lateral margins. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, with minute scattered setae; femora concolorous with preceding, moderately elongate, widest beyond middle, with minute setae; tibiae slender, brown, slightly darker near

apex, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, slender, narrowly expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending beyond one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae with few minute setae near base, largest near basal third, smaller beyond; costa yellow, brown near middle, beyond discoidal area, and on apical fourth; costal area yellow and brown, mostly biseriate except near middle, areolae hyaline, except fuscous band near middle and apical fourth, areolae mostly subequal in size; subcosta yellow, brown near middle; subcostal area yellow-brown, with mesial fuscous band, triseriate along discoidal area, subvertical, with few setae on basal third; R+M vein yellow, brown near middle, sinusoidal; discoidal cell mostly dark-brown, yellow on basal fourth, midpoint near apex of triangular posterior projection, broad, each comprised of six rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight beyond middle, weakly raised; sutural areas dark-brown, lighter yellow brown along cubitus and post cubitus, moderately large, nine to ten rows of areolae at widest, areolae near base subequal to those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Red brown, ovate, widest near middle, covered with yellow-colored pubescence and curved thickened setae along sternal sutures. Each eighth paratergite slightly flat and rounded near base, with a narrow vertical furrow beyond, apical lateral margins triangular, slightly projected posteriorly, covered with minute pubescence near apex; ninth paratergites each with a rounded tumid area on basal two-thirds; excavate beyond, base of excavate area convex, excavate near apical fourth, there beset with thickened cream-colored setae.

Measurements. Female. (n = 1) Length: (5.95); width at widest: (1.83); Head: Scape: (0.20); pedicel: (0.21); basiflagellomere: (2.44); distiflagellomere: (0.57); interocular distance: (0.31); Thorax: Thickness of thorax: (1.22); width at humeral angles: (1.46); length of pronotum in dorsal view: (2.47); length of hemelytron: (4.17); length of discoidal area: (2.44); width of discoidal area: (0.53); Abdomen: Length: (2.75); length of female terminalia: (0.86); width of female terminalia: (1.20).

Type specimen. Holotype: COLOM., 1500' Anchicaya, VII.23.1970, J. M. Cambell; CNC 1188774 (♀ CNC).

Geographic distribution. Only known from the Anchicayá river valley in Valle del Cauca, Colombia.

Ecology. Plant associations: None recorded..

Teleonemia (Amaurosterphus) n. sp. 8

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 8* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; medial spine erect, anterior margin of pronotal hood distinctly projecting forward beyond bases of occipital spines in dorsal view, costal areas of hemelytra with two to three rows or areolae at widest, costal areas infusate near middle, and subcostal areas with more than two rows of areolae.

Description. Generally elongate, ovate, brown and yellow species, with cream-colored setae. **Head.** Moderately elongate; occipital spines yellow-brown, stout, incurved, porrect, apices reaching middle eyes, not reaching base of medial spine, one half as long as width of eye; medial spine tuberculate, slightly darker than occipital spines, stout, short, two-thirds length of occipital

spines, erect, apex not reaching bases of paired frontal spines, base with extremely slender, setae; paired frontal spines erect, produced anteriorly beyond clypeus, strongly incurved, subequal to length of occipital spines, lateral bases with thickened setae; antenniferous tubercles two-thirds width of eye, dorsal margins beset with downcurved setae. Antennae red-brown to black-brown; scape barrel-shaped, one and one-fourth as long as eye width, with minute setae; pedicel elongate, three-quarters length of scape, with downcurved slender setae; basiflagellomere elongate, nine to ten times length of scape, slender throughout much of length, weakly clavate near apex; distiflagellomere concolorous with basiflagellomere, nearly three times length of scape, fusiform, widest beyond middle, truncate apically. Eyes very large, D-shaped, anterior margins truncate at bases of antenniferous tubercles; maxillary plates with downcurved slender setae, near apices; clypeus dark red-brown, with thickened downcurved setae; bucculae narrow, height subequal to one and one-quarter wider than width of eye, triseriate, lateral margins with thickened downcurved setae near base, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin sinusoidal in lateral view; rostrum brown, elongate, extending to posterior margin of metasternum, apical segment mostly infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures, disc dark red-brown; calli dark red-brown, shining, margined with slender setae; pronotal hood slightly lower than disc, three to four areolae tall, extremely narrow, weakly produced anteriorly, apical margin covering bases of occipital spines, six areolae long, weakly tumid posteriorly, with thickened, curved setae on posterior and lateral margins, dorsal margin broadly rounded in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate

opposite calli, basal row extremely small, explanate, lateral row much larger, smaller in posterior, uniseriate near humeral angles; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina yellow-brown, one and one-quarter times as tall as lateral carinae, the dorsal vein very thick, comprising nearly one-half of median carina height; lateral carinae contrastingly darker infuscate, mostly subparallel; areolae of triangular posterior projection abruptly increase in size after basal third, gradually larger to apex, margined with thickened setae; propleuron similarly punctured like pronotal disc, margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, widening throughout length, weakly constricted near middle; metasternal laminae slightly wider than mesothoracic sternal laminae, weakly crescentic-shaped; metasternum flat, with minute pubescence on lateral margins. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, with minute pubescence; femora concolorous with preceding, moderately elongate, widest beyond middle, with whitish wax and minute setae; tibiae slender, brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, slender, narrowly expanded near apex. Ostoliar peritremes lanceolate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending more than one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae with few minute setae near base, largest near basal third, smaller beyond; costa yellow, brown near middle, and on apical fourth; costal area yellow and brown, uniseriate on basal half, biseriate beyond, areolae hyaline, except fuscous band near middle and apical fourth, areolae slightly smaller before middle; subcosta brown, yellow beyond middle; subcostal

area brown, triseriate along discoidal area, subvertical, with few setae on basal third; R+M vein yellow-brown on basal fourth, brown beyond, sinusoidal; discoidal cell mostly dark-brown, yellowish on basal fifth, midpoint near apex of triangular posterior projection, broad, each comprised of six rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight beyond middle, strongly raised; sutural areas dark-brown, lighter yellow-brown along cubitus and post cubitus, moderately large, eight to ten rows of areolae at widest, areolae near base subequal to those of discoidal area, gradually increase in size towards apex.

Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Red brown, ovate, widest just before middle, covered with cream-colored pubescence. Each eighth paratergite slightly flat near base, with a deep vertical furrow beyond, apical lateral margins triangular, slightly projected posteriorly, covered with minute pubescence near apex; ninth paratergites each with a rounded tumid area along mesial two-thirds, excavate laterad and on apical fourth, lateral area near base rugose, anterior margins beset with thickened cream-colored setae. Pygophore concolorous with abdomen, broad, subequal in width to preceding abdominal segment, ventral basal depressions deep and extending vertically and laterally; parameres red-brown, lighter in color near apex, stout near base, downcurved and depressed on dorsal margins near basal third, slender near apex, broadly curved, after middle, setose on postero-lateral margins.

Measurements. Male. (n = 2) Length: 5.24–(5.52); width at widest: 1.68–(1.77); Head: Scape: (0.22); pedicel: (0.20); basiflagellomere: 2.22–(2.35); distiflagellomere: 0.85–(0.89); interocular distance: (0.32)–0.33; Thorax: Thickness of thorax: 1.08–(1.13); width at humeral angles: 1.28–(1.36); length of pronotum in dorsal view: 2.37–(2.45); length of hemelytron: (3.49)–3.68; length of discoidal area: 1.77–(1.91); width of discoidal area: 0.45–(0.50);

Abdomen: Length: 2.43– (2.80); length of pygophore: (0.59)–0.64; width of pygophore: (0.83)–0.84. Female. (n =2) Length: 5.26–5.76; width at widest: 1.84–1.89; Head: Scape: 0.20–0.21; pedicel: 0.17; basiflagellomere: 2.00–2.06; distiflagellomere: 0.73–0.81; interocular distance: 0.34; Thorax: Thickness of thorax: 1.15–1.16; width at humeral angles: 1.35; length of pronotum in dorsal view: 2.36–2.45; length of hemelytron: 3.84–3.88; length of discoidal area: 1.83–1.95; width of discoidal area: 0.47–0.51; Abdomen: Length: 2.27–2.29; length of female terminalia: 0.76–0.87; width of female terminalia: 1.02–1.05.

Type specimen. PERU, Tingo Maria, July 19, 1948, E. J. Hambleton; OSUC 775875 (♂ OSUC).

Geographic distribution. Known only from the type locality, Tingo Maria in the Department of Huánuco, Peru.

Ecology. Plant associations: None recorded..

Material examined. Paratypes same data as holotype (5♂ 5♀ OSUC).

Teleonemia (Amaurosterphus) n. sp. 11

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 11* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color brown, posterior projection noticeably lighter in color than disc, hemelytra brown, veins of costal areas light-brown, darker near apex, costal areas with two rows of areolae beyond apex of discoidal areas, subcostal areas biseriate, and apex of discoidal areas not reaching midpoints of hemelytra.

Description. Generally elongate, brown species, with whitish-colored setae. **Head.** Moderately elongate; occipital spines brown, stout, incurved, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-fourth as long as width of eye; medial spine tuberculate, slightly darker than occipital spines, stout, short, two-thirds length of occipital spines, porrect, apex reaching bases of paired frontal spines; paired frontal spines erect, produced anteriorly beyond clypeus, strongly incurved, subequal to length of medial spine, lateral bases with thickened setae; antenniferous tubercles two-thirds width of eye, dorsal margins beset with downcurved setae. Antennae red-brown to black-brown; scape barrel-shaped, as long as eye width, with whitish wax; pedicel elongate, subequal to length of scape, with downcurved slender setae; basiflagellomere elongate, ten to eleven times length of scape, slender throughout much of length, weakly clavate near apex, beset with dense rows of slender downcurved setae; distiflagellomere concolorous with basiflagellomere, nearly three times length of scape, fusiform, widest on apical third, truncate apically. Eyes very large, ovate, anterior margins truncate at bases of antenniferous tubercles; maxillary plates with downcurved slender setae, near apices; clypeus dark red-brown, with thickened downcurved setae; bucculae narrow, height subequal to one and one-quarter wider than width of eye, mostly biseriate, lateral margins with thickened downcurved setae, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin broadly curved in lateral view, weakly notched below eyes; rostrum brown, elongate, extending to posterior margin of metasternum, apical segment mostly infusate on apical half.

Thorax. Pronotal collar narrow, brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures, margined with whitish colored setae; disc dark red-brown; calli dark black-brown, margined with

slender setae; pronotal hood slightly lower than disc, three areolae tall in lateral view, extremely narrow, weakly produced anteriorly, apical margin not covering bases of occipital spines, five areolae long, weakly tumid posteriorly, with thickened, curved setae on posterior and lateral margins, dorsal margin broadly rounded in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row larger, smaller in posterior, uniseriate near humeral angles; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina brown, slightly more elevated than lateral carinae, the dorsal vein, comprising nearly one-third of median carina height; lateral carinae contrastingly darker infusate, mostly subparallel on posterior projection; posterior projection lighter brown near apex, areolae of triangular posterior projection abruptly increase in size to apex, margined with whitish, thickened setae; propleuron similarly punctured like pronotal disc, areolae margined with downcurved thickened setae. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, subparallel; metasternal laminae slightly wider than mesothoracic sternal laminae, subparallel, weakly constricted on basal third; metasternum weakly concave near basal third, flat beyond, with minute pubescence. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, mostly devoid of setae; femora concolorous with preceding, moderately elongate, widest beyond middle, with whitish wax and minute setae; tibiae slender, brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, moderately expanded near apex. Ostoliar peritremes lanceolate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally,

elongate, extending more than one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae with minute pubescence, largest near basal third, smaller beyond; costa light-brown with darker brown markings; costal area light-brown variegated with dark-brown, uniseriate on basal half, biseriate beyond, areolae hyaline, except fuscous band on apical fourth, areolae slightly smaller before middle; subcosta brown; subcostal area brown, biseriate along discoidal area, subvertical, areolae margined with whitish pubescence on basal third and beyond discoidal cell; R+M vein dark-brown, sinusoidal; discoidal cell mostly dark-brown, areolae slightly lighter brown, midpoint near apex of triangular posterior projection, broad, each comprised of five rows of areolae at widest, some areolae margined with minute pubescence; each cubitus vein weakly sinusoidal beyond middle, strongly raised; sutural areas dark-brown, with lighter tan patches, moderately large, eight to nine rows of areolae at widest, areolae near base subequal to those of discoidal area, abruptly increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Dark red-brown, ovate, widest just before middle, covered with whitish pubescence. Pygophore concolorous with abdomen, broad, slightly narrower than preceding abdominal segment, ventral basal depressions deep and extending vertically and laterally, base with a median furrow extending to basal third; parameres concolorous with pygophore, stout near base, downcurved and depressed on dorsal margins near basal third, slender near apex, broadly curved, after middle, setose on postero-lateral margins.

Measurements. Male. (n = 1) Length: (5.00); width at widest: (1.67); Head: Scape: (0.23); pedicel: (0.22); basiflagellomere: (2.17); distiflagellomere: (0.70); interocular distance: (0.30); Thorax: Thickness of thorax: (1.06); width at humeral angles: (1.22); length of pronotum in dorsal view: (2.09); length of hemelytron: (3.68); length of discoidal area: (1.57); width of

discoidal area: (0.47); Abdomen: Length: (2.22); length of pygophore: (0.50); width of pygophore: (0.84).

Type specimen. Holotype: BOLIVIA, Dpto. La Paz, Provincia Nor Yungas, 1 km NE Coroico, 1335 m. 16.18°S, 67.72°W, 16-III-2016, S. M. Clark; Brigham Young University Arthropod Collection BYUC135018 (♂ BYUC).

Geographic distribution. Bolivia: La Paz.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Teleonemia (Amaurosterphus) n. sp. 14

Diagnosis. *Teleonemia* new species 14 is easily separated from *T. morio* and related species by the unicolorous dark black prothorax and by the shorter rostrum that does not extend beyond the apex of the thorax.

Description. Generally elongate, black species, with rust-colored setae. **Head.** Moderately elongate, black; occipital spines black, slender, incurved, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-fourth as long as width of eye; medial spine stout, slightly darker than occipital spines, short, two-thirds length of occipital spines, porrect, apex nearly reaching apices of paired frontal spines; paired frontal spines erect, produced anteriorly beyond clypeus, strongly incurved, apices touching, half-length of medial spine, lateral bases with thickened setae; antenniferous tubercles half as long width of eye, dorsal margins beset with downcurved setae. Antennae black-brown; scape barrel-shaped, as long as

eye width; pedicel elongate, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, eight to nine times length of scape, slender throughout much of length, weakly clavate near apex, beset with slender downcurved setae; distiflagellomere concolorous with basiflagellomere, nearly two times length of scape, fusiform, widest on apical third, truncate apically. Eyes very large, D-shaped. Maxillary plates with downcurved thickened setae; clypeus dark black-brown, with several slender downcurved setae; bucculae broad, height subequal to width of eye, mostly biseriate, lateral margins near base with thickened downcurved setae, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin weakly curved in lateral view; rostrum black-brown, elongate, extending to posterior margin of metasternum.

Thorax. Pronotal collar narrow, black-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures, obscured by brownish wax; disc black-brown; calli dark black-brown, margined with slender brown setae; pronotal hood slightly more elevated than disc, seven areolae tall, large, globose, produced anteriorly, apical margin covering bases of occipital spines, ten areolae long, with thickened, curved setae on posterior margin, dorsal margin broadly rounded in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row larger, smaller in posterior, uniseriate near humeral angles; carinae concolorous with disc, uniseriate, low, areolae distinctly elevated from pronotal disc, elongate; median carina slightly more elevated than lateral carinae, the dorsal vein thick, comprising nearly one-half of median carina height; lateral carinae mostly subparallel on posterior projection; areolae of triangular posterior projection abruptly increase in size toward

apex, margined with brown wax; propleuron similarly punctured like pronotal disc, areolae margined with downcurved thickened setae. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, subparallel, weakly constricted near middle; metasternal laminae slightly wider than mesothoracic sternal laminae, subparallel, constricted near middle; metasternum weakly concave near basal third, flat beyond, with minute pubescence. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, mostly devoid of setae; femora concolorous with preceding, moderately elongate, widest beyond middle, with whitish wax and minute setae; tibiae slender, dark-brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi short, moderately expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, elongate, extending more than one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae with brown wax, largest near basal third, smaller beyond; costa dark-brown; costal area dark-brown, uniseriate throughout, areolae hyaline, areolae slightly smaller before middle; subcosta dark-brown; subcostal area dark-brown, uniseriate, subvertical, areolae margined with brownish pubescence; R+M vein dark-brown, sinusoidal; discoidal cell mostly dark-brown, areolae slightly lighter brown, midpoint near apex of triangular posterior projection, broad, each comprised of six rows of areolae at widest, some areolae margined with minute pubescence; each cubitus vein mostly straight, raised; sutural areas dark-brown, moderately large, nine rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Dark black-brown, ovate, widest near middle, covered with brownish pubescence. Pygophore concolorous with abdomen, narrow, one-third narrower than preceding abdominal segment, ventral basal depressions deep and extending vertically and laterally; parameres concolorous with pygophore near base, stout near base, downcurved, slender near apex, broadly curved after middle, setose on postero-lateral margins.

Measurements. Male. (n = 1) Length: (4.97); width at widest: (1.5); Head: Scape: (?); pedicel: (?); basiflagellomere: (?); distiflagellomere: (?); interocular distance: (?); Thorax: Thickness of thorax: (1.04); width at humeral angles: (1.24); length of pronotum in dorsal view: (2.12); length of hemelytron: (3.50); length of discoidal area: (1.79); width of discoidal area: (0.51); Abdomen: Length: (2.15); length of pygophore: (0.46); width of pygophore: (0.64).

Type specimen. ECUADOR: Napo Prov. Estación Científica Yasuní 00°40'28"S, 76°38'50"W IX-5-10-1999, 215 m Coll. E. G. Riley (♂ TAMU)

Comments. the specimen was examined in detail for the description, but the head has since fallen off the specimen and is missing.

Geographic distribution. Known only from the type locality in Napo province, Ecuador.

Ecology. Plant associations: None recorded..

Material examined. See appendix A.1.

Teleonemia (Amaurosterphus) n. sp. 19

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 19* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color brown,

posterior projection noticeably lighter in color than disc, hemelytra brown, veins of costal areas light-brown, darker near apex, costal areas with two rows of areolae beyond apex of discoidal areas, subcostal areas biseriata, apices of discoidal areas surpassing midpoints of hemelytra and each ninth paratergite of female with a median apical tooth.

Description. Generally elongate, ovate, brown species, with cream-colored setae. **Head.** Moderately elongate, dark-brown; occipital spines tannish-brown, stout, incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, one and one-fourth as long as width of eye; medial spine stout, slightly darker than occipital spines, short, one-half length of occipital spines, porrect, apex nearly reaching bases of paired frontal spines; paired frontal spines erect, produced anteriorly beyond clypeus, strongly incurved, apices touching, subequal length of medial spine, lateral bases with thickened setae; antenniferous tubercles two-thirds as long as width of eye, dorsal margins with few downcurved setae. Antennae dark red-brown; scape barrel-shaped, subequal in length as eye width; pedicel elongate, two-thirds length of scape, with downcurved slender setae; basiflagellomere elongate, seven to eight times length of scape, slender throughout much of length, weakly clavate near apex, beset with slender downcurved setae; distiflagellomere wanting. Eyes very large, D-shaped. Maxillary plates with few downcurved slender setae; clypeus dark-brown, with several stout downcurved setae; bucculae broad, height subequal to width of eye, irregularly triseriate, lateral margins near base with thickened downcurved setae, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin weakly curved in lateral view; rostrum brown, elongate, extending to basal third of first abdominal sternite.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc two times diameter of

punctures, with minute pubescence; disc brown; calli dark red-brown, margined with slender cream-colored setae; pronotal hood slightly lower than disc, four areolae tall, hood large, globose, produced anteriorly, apical margin covering bases of occipital spines, six areolae long, with thickened, curved setae on posterior margin near base, dorsal margin broadly rounded in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row larger, smaller in posterior, thick and uniseriate near humeral angles; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc, moderately elongate; median carina lighter yellow-brown, slightly more elevated than lateral carinae, the dorsal vein not thick, comprising less than one-third of median carina height; lateral carinae darker infuscate on disc, mostly subparallel on posterior projection; areolae of triangular posterior projection abruptly increase in size toward apex, margined with slender, downcurved setae, apical and lateral margins yellow; propleuron similarly punctured like pronotal disc, areolae margined with downcurved thickened setae on basal half. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, widening posteriorly, laminae weakly sinusoidal; metasternal laminae slightly wider than mesothoracic sternal laminae, subparallel; metasternum weakly concave near basal third, mostly flat beyond, with minute pubescence on lateral margins. Legs brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, mostly devoid of setae; femora concolorous with preceding, moderately elongate, widest beyond middle, with widely spaced minute setae; tibiae slender, brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi short, moderately expanded near apex. Ostoliar peritremes ovate,

elongate, two and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending more than one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, mostly devoid of setae, areolae largest near basal third, smaller beyond; costa yellow, brown on apical fourth; costal area yellow, brown near middle and apical fourth, uniseriate on basal two-thirds, biseriate beyond discoidal area, areolae hyaline except fuscous band on apical fourth, areolae slightly smaller near middle; subcosta yellow, brown near middle; subcostal area yellow on basal fourth, brown along much of discoidal area, yellow on basal half of subcostal extension, brown beyond, biseriate along discoidal area, subvertical, areolae margined with downcurved slender setae; R+M vein yellow on basal fourth, dark-brown beyond, sinusoidal; discoidal cell mostly dark-brown, yellowish on basal third, areolae slightly lighter brown, midpoint near apex of triangular posterior projection, broad, each comprised of five rows of areolae at widest, some areolae margined with minute slender setae; each cubitus vein mostly straight, slightly raised; sutural areas dark-brown, moderately large, nine rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Red-brown, ovate, widest near middle, covered with scattered minute cream-colored setae. Eighth paratergites with a broad basal depression, deep slender, vertical furrow beyond basal third, dorsal apical margin sharply spinose; ninth paratergites mostly flat, with a very weak vertical furrow on basal half, proximal margins slightly dilated near midline, then depressed beyond middle, slightly excavate on apical third, with some few thickened setae, each postero-dorsal margin with a prominent denticulate projection posteriorly.

Measurements. Female. (n = 1) Length: (5.01); width at widest: (1.60); Head: Scape: (0.20); pedicel: (0.17); basiflagellomere: (1.89); distiflagellomere: (?); interocular distance: (0.30); Thorax: Thickness of thorax: (1.08); width at humeral angles: (1.22); length of pronotum in dorsal view: (2.17); length of hemelytron: (3.54); length of discoidal area: (1.76); width of discoidal area: (0.48); Abdomen: Length: (2.64); length of female terminalia: (0.87); width of female terminalia: (1.10).

Type specimen. ECUADOR: Sucumbios, Sacha Lodge, 0.5°S, 76.5°W, 23.IV.-4V.1994, 270m P. Hibbs, malaise trap,; CNC 1188790 (♀ CNC)

Geographic distribution. Known only from the type locality in Sucumbíos province, Ecuador.

Ecology. Plant associations: unrecorded.

Teleonemia (Amaurosterphus) n. sp. 22

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 22* can be separated from all other species of *Amaurosterphus* by a combination of the following characters; general color mostly dark black-brown, pronotal hood extremely low, pronotal collar and posterior projection with dense, thick white setae, costal and subcostal areas of hemelytra uniseriate.

Description. Extremely elongate, slender, black-brown species, with cream-colored setae. **Head.** Moderately elongate, dark black-brown; occipital spines brown, slender, strongly incurved, porrect, apices not surpassing anterior margins of eyes or reaching base of medial spine, as long as width of eye; medial spine slender, slightly darker than occipital spines,

elongate, three-quarters length of occipital spines, porrect, apex nearly reaching apices of paired frontal spines; paired frontal spines erect, produced anteriorly beyond clypeus, strongly incurved, apices touching, two-thirds length of medial spine, lateral bases with thickened setae; antenniferous tubercles two-thirds as long as width of eye, dorsal margins with thickened downcurved setae. Antennae dark red-brown; scape barrel-shaped, subequal in length as eye width; pedicel elongate, two-thirds length of scape, with downcurved slender setae; flagellomere wanting. Eyes very large, D-shaped. Maxillary plates with few downcurved slender setae; clypeus dark-brown, with many downcurved setae; bucculae narrow, height subequal to width of eye, irregularly triseriate, lateral margins near base with thickened downcurved setae, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin mostly flat in lateral view, notched below posterior margin of each eye; rostrum brown, elongate, extending to posterior margin of metasternum.

Thorax. Pronotal collar extremely narrow, black-brown; pronotum punctate, rugose, punctures small, deep, interpunctural distance at most elevated area of pronotal disc one and one-half to two times diameter of punctures, with minute pubescence; disc brown; calli dark red-brown, margined with stout cream-colored setae; pronotal hood much lower than disc, three areolae tall in lateral view, hood small, roof-like, produced anteriorly, apical margin covering bases of occipital spines, four areolae long, with thickened, curved setae on posterior margin near base, dorsal margin weakly sinusoidal in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, adpressed to lateral margins of pronotum, biseriate throughout, basal row extremely small, explanate, lateral row larger, smaller in posterior; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein not thick, comprising

more than one-third of median carina height; lateral carinae mostly subparallel on posterior projection; areolae of triangular posterior projection abruptly increase in size beyond basal third toward apex, margined with slender, downcurved setae near base; propleuron similarly punctured like pronotal disc, areolae margined with downcurved slender setae. Prothoracic rostral laminae low, mostly subparallel; mesothoracic sternal laminae more elevated, abruptly wider apart on basal fourth than prothoracic laminae, widening posteriorly; metasternal laminae slightly wider than mesothoracic sternal laminae, crescentic-shaped; metasternum mostly flat, with minute pubescence. Legs dark-brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, with minute pubescence; femora concolorous with preceding, moderately elongate, widest beyond middle, with whitish wax and widely spaced minute setae; tibiae slender, dark-brown, slightly longer than length of femora and trochanters combined; basitarsi minute; distitarsi moderately elongate, slender, weakly expanded near apex. Ostoliar peritremes ovate, elongate, two and one-half times as long as wide, dorsal margin of each peritreme stout, not touching base of hypocostal area. Hemelytra narrow, elongate, extending more than one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate, mostly devoid of setae, areolae elongate, rectangular, largest near basal third, smaller beyond; costa brown on apical fourth; costal area brown, lighter brown beyond middle, uniseriate, except one additional areola just before apex of discoidal area, areolae hyaline except fuscous band on apical fourth, areolae largest beyond middle; subcosta dark-brown; subcostal area dark-brown, subvertical, areolae margined with minute pubescence, uniseriate; R+M dark-brown, sinusoidal; discoidal cell dark-brown, veins slightly lighter brown, midpoint near apex of triangular posterior projection, broad, each comprised of five to six rows of areolae at widest, areolae margined with minute pubescence; each cubitus vein mostly straight, strongly raised;

sutural areas dark-brown, very large, ten rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Red-brown, ovate, widest just beyond middle, covered with minute pubescence and thickened cream-colored setae. Eighth paratergites with a narrow basal depression connected to deep slender, vertical furrow beyond basal third, dorsal apical margin bluntly triangulate; ninth paratergites with a vertical ridge near proximal margins on basal third, excavate beyond, with thickened setae.

Measurements. Female. (n = 1) Length: (5.80); width at widest: (1.53); Head: Scape: (0.26); pedicel: (0.17); basiflagellomere: (?); distiflagellomere: (?); interocular distance: (0.33); Thorax: Thickness of thorax: (1.02); width at humeral angles: (1.19); length of pronotum in dorsal view: (2.17); length of hemelytron: (4.27); length of discoidal area: (2.07); width of discoidal area: (0.51); Abdomen: Length: (2.56); length of female terminalia: (0.61); width of female terminalia: (0.84).

Type specimen. Holotype: ECUADOR: Sucumbios 0.5°S, 76.5°W, 12-22. II.1995, P. Hibbs, Mts., 270m; CNC 1188792 (♀ CNC).

Geographic distribution. Known only from the type locality in Sucumbíos province, Ecuador.

Ecology. Plant associations: unrecorded.

Teleonemia (Amaurosterphus) n. sp. 27

Diagnosis. *Teleonemia (Amaurosterphus)* n. sp. 27 can be separated from all other species by the combination for the following characters; Pronotum and hemelytra tan colored with few infusate markings, posterior projection of pronotum only slightly lighter in color than disc, costal areas of hemelytra biseriate on apical third, and subcostal areas of hemelytra biseriate.

Description. Generally, ovate, tannish-brown species, with golden-colored setae. **Head.** Short, brown; occipital spines tan, stout, weakly incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, one and one-fourth as long as width of eye; medial spine stout, concolorous with occipital spines, elongate, subequal to length of occipital spines, porrect, apex touching apices of paired frontal spines; paired frontal spines erect, produced anteriorly beyond clypeus, weakly incurved, apices touching, two-thirds length of medial spine, lateral bases with slender downcurved setae; antenniferous tubercles two-thirds as long as width of eye, dorsal margins with few downcurved setae. Antennae light-brown; scape barrel-shaped, slightly longer than eye width; pedicel elongate, three-quarters length of scape, with downcurved slender setae; basiflagellomere elongate, seven to eight times length of scape, slender throughout much of length, weakly clavate and darker brown near apex, beset with slender downcurved setae; distiflagellomere elongate, blunt club, widest near apical third, dark-brown. Eyes very large, D-shaped. Maxillary plates with few downcurved slender setae; clypeus red-brown, with several stout downcurved setae; bucculae broad, height one and one-half as tall as width of eye, irregularly quadriseriate, lateral margins near base with few slender downcurved setae, produced anteriorly, apex subparallel with apex of clypeus, contiguous apically, ventral margin curved in lateral view; rostrum light-brown, short, extending to posterior margin of mesosternum.

Thorax. Pronotal collar narrow, yellow; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc two times diameter of punctures; disc light-brown; calli red-brown, margined with few slender golden-colored setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, hood small, produced anteriorly, apical margin covering bases of occipital spines, four areolae long, with few slender, curved setae on posterior margin near base, dorsal margin weakly sinusoidal in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, explanate, mostly uniseriate, areolae extremely small; pronotal carinae yellow, uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein thick, comprising one-half of median carina height; lateral carinae slightly diverging on posterior projection; areolae of triangular posterior projection abruptly increase in size beyond basal third, margined with slender, downcurved setae; propleuron similarly punctured like pronotal disc, areolae margined with downcurved slender setae on basal half. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, narrowing posteriorly; metasternal laminae much wider than mesothoracic sternal laminae, crescentic-shaped; metasternum weakly convex, with minute pubescence on lateral margins. Legs brown; coxae elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, mostly devoid of setae; femora concolorous with preceding, short, widest beyond middle, with minute pubescence; tibiae slender, widest near middle, brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi darker brown, short, moderately expanded near apex. Ostoliar peritremes lanceolate, elongate, three times as long as wide, each nearly touching base of hypocostal area. Hemelytra moderately expanded laterally, elongate, extending more than

one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, mostly devoid of setae, areolae largest near middle, smaller beyond; costa yellow-tan; costal area yellow-tan, uniseriate on basal two-thirds, biseriate beyond discoidal area, areolae hyaline except fuscous band on apical fourth, areolae slightly smaller near middle; subcosta yellow-tan, brown near middle; subcostal area yellow-tan biseriate along discoidal area, subvertical, areolae mostly devoid of setae; R+M vein yellow-tan, sinusoidal; discoidal cell mostly yellow-tan, lightly embrowned near cubitus vein, midpoint near apex of triangular posterior projection, broad, each comprised of five rows of areolae at widest, mostly devoid of setae; each cubitus vein mostly straight beyond middle, slightly raised; sutural areas yellow-tan, lightly embrowned on apical third and posterior margin, moderately large, seven rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size to middle, then abruptly increase in size towards apex. Metathoracic wings brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Light-brown, ovate, widest near middle, covered with scattered minute golden-colored setae. Eighth paratergites with a broad triangular basal depression, dorsal anterior margins triangular, apices blunt; ninth paratergites mostly flat on basal half, lateral median area slightly dilated posteriorly, excavate on apical third, with few thickened setae.

Measurements. Female. (n = 1) Length: (3.68); width at widest: (1.33); Head: Scape: (0.18); pedicel: (0.12); basiflagellomere: (1.19); distiflagellomere: (1.19); interocular distance: (0.37); Thorax: Thickness of thorax: (0.77); width at humeral angles: (0.93); length of pronotum in dorsal view: (1.64); length of hemelytron: (2.64); length of discoidal area: (1.34); width of discoidal area: (0.37); Abdomen: Length: (1.64); length of female terminalia: (0.60); width of female terminalia: (0.73).

Type specimen. on *Spondias radlkoferi* D. S.; a few macro epiphytes on trunk, some lianas on crown.; PANAMA CANAL ZONE, Colon; Humid Forest. Canopy fogging. 2-14,vii.1979; E. M. Broadhead et al. B. M. 1979-125 (♀ NHMUK). Herein designated as holotype.

Geographic distribution. Panama Canal Zone, Colon province.

Ecology. Plant associations: Collected via insecticidal fogging of *Spondias radlkoferi* Donnell Smith [Anacardiaceae].

Teleonemia (Amaurosterphus) n. sp. 40

Diagnosis. *Teleonemia (Amaurosterphus) n. sp. 40* is easily separated from all other related species by the shorter basiflagellomeres that are only seven times length of the scape, by the rostrum extending to the posterior margin of the metasternum, and by the median carina which is biseriate and angulate near most elevated area of pronotal disc.

Description. Generally elongate, black-brown species, with rust-colored setae. **Head.** Moderately elongate, black-brown; occipital spines black, slender, incurved, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-fourth as long as width of eye; medial spine stout, slightly darker than occipital spines, elongate, subequal to length of occipital spines, porrect, apex nearly reaching apices of paired frontal spines; paired frontal spines stouter, erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine, lateral bases with minute pubescence; antenniferous tubercles half as long width of eye, dorsal margins beset with downcurved setae. Antennae black-brown; scape barrel-shaped, one and one-half times as long as eye width; pedicel elongate, two-thirds length of

scape, with downcurved slender setae; basiflagellomere elongate, six to seven times length of scape, slender throughout much of length, weakly clavate near apex, beset with slender golden-brown downcurved setae; distiflagellomere concolorous with basiflagellomere, two times length of scape, weakly fusiform, truncate apically. Eyes small, D-shaped. Maxillary plates with downcurved thickened setae; clypeus dark black-brown, with downcurved thickened setae; bucculae broad, height one and one-half the width of eye, mostly triseriate, lateral margins near base with thickened downcurved setae, produced anteriorly beyond apex of clypeus, contiguous apically, ventral margin weakly curved in lateral view; rostrum black-brown, elongate, extending to posterior margin of metasternum.

Thorax. Pronotal collar narrow, red-brown; pronotum punctate, punctures small, deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures, obscured by brownish wax; disc black-brown; calli dark black-brown, margined with slender brown setae; pronotal hood tall, slightly shorter than apex of median carina, five to six areolae tall, moderately large, globose, produced anteriorly, apical margin covering bases of occipital spines, eight areolae long, with thickened, curved setae on posterior margin, dorsal margin weakly angulate in lateral view, median carina extending to anterior margin of pronotal hood; paranota narrow, slender, subvertical, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row larger, smaller in posterior, uniseriate near humeral angles; carinae concolorous with disc, areolae distinctly elevated from pronotal disc, elongate; median carina much more elevated than lateral carinae at apex of disc, there biseriate, the dorsal vein thick, comprising nearly one-third of median carina height; lateral carinae uniformly low, uniseriate, mostly subparallel on posterior projection; areolae of triangular posterior projection gradually increase in size toward apex, margined with brown wax;

propleuron similarly punctured like pronotal disc, areolae margined with downcurved thickened setae. Prothoracic rostral laminae low, widest near base, directed mesally posteriorly; mesothoracic sternal laminae more elevated, slightly wider apart at base than prothoracic laminae, subparallel, weakly constricted near middle; metasternal laminae slightly wider than mesothoracic sternal laminae, subparallel, constricted near middle; metasternum weakly concave near basal third, flat beyond, with minute pubescence. Legs dark-brown; coxae black, elongate, globose, distal margins with dense thickened pubescence; trochanters, subequal in length to coxae, mostly devoid of setae; femora concolorous with preceding, moderately elongate, widest beyond middle, with minute pubescence; tibiae slender, dark-brown, subequal to length of femora and trochanters combined; basitarsi minute; distitarsi elongate, slender, weakly expanded near apex. Ostoliar peritremes ovate, elongate, two times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, elongate, extending more than one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae with brown wax, largest near basal third, smaller beyond; costa dark-brown; costal area dark-brown, uniseriate throughout, areolae hyaline, areolae uniformly sized; subcosta dark-brown; subcostal area dark-brown, uniseriate, subvertical, areolae margined with brownish wax; R+M vein dark-brown, sinusoidal; discoidal cell mostly dark-brown, areolae slightly lighter brown, midpoint near apex of triangular posterior projection, broad, each comprised of six to seven rows of areolae at widest, some areolae margined with minute pubescence; each cubitus vein mostly straight, raised; sutural areas dark-brown, weakly depressed beyond abdomen, moderately large, twelve rows of areolae at widest, areolae near base slightly larger than those of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending slightly beyond abdomen.

Abdomen. Dark black-brown, ovate, widest near middle, covered with brownish wax and pubescence. Eighth paratergites mostly flat near base; ninth paratergites excavate on apical third. Pygophore concolorous with abdomen, narrow, one-third narrower than preceding abdominal segment, ventral basal depressions deep and extending vertically and laterally; parameres concolorous with pygophore near base, stout near base, downcurved, slender near apex, curved, after middle, setose on postero-lateral margins.

Measurements. Not taken during this study.

Type specimen. Guyane française Montagne des Chevaux XII-2008; MUSEUM PARIS J. M. Bérenger rec. Piège vitre; Museum Paris MNHN(EH) 20611 (♂ MNHN).

Comments. Similar to *T. morio*, but readily separated by the shorter rostrum and angulate median carina.

Geographic distribution. French Guiana: Roura region.

Ecology. Plant associations: Unknown.

Material examined. Paratypes: Same data as holotype (3♀ MNHN); Guyane française Montagne des Chevaux 31-I-2010; MUSEUM PARIS J. M. Bérenger rec. Piège vitre.; Museum Paris MNHN(EH) 20615 (1♀ MNHN).

Teleonemia (Tapinonemia) Knudson New Subgenus

Key to the species of *Teleonemia* (*Tapinonemia*)

1. Costal areas of hemelytra biseriate beyond middle 2
 - Costal areas of hemelytra entirely uniseriate 3
2. Antennae stout, densely pilose; costal areas completely biseriate beyond discoidal cell; species distributed from Mexico to Central America
 -*Teleonemia* (*Tapinonemia*) *cylindricornis* Champion
 - Antennae slenderer, not densely pilose; costal areas only partially biseriate beyond discoidal cell; species distributed in South America
 -*Teleonemia* (*Tapinonemia*) *dulcis* Drake [In Part]
3. Subcostal area and lateral margin of discoidal cell bordering R+M vein appearing rounded; R+M vein present, but greatly reduced.... *Teleonemia* (*Tapinonemia*) n. sp. 1
 - Subcostal area distinctly subvertical and separated from discoidal cell by distinct R+M vein 4
4. Hypocostal area widened near middle, usually biseriate; males with dorsal triangular projection or tooth on each lateral margin of 8th abdominal segment 5
 - Hypocostal area not widened near middle, never biseriate..... 8
5. Median carina of hemelytra distinctly lighter in color contrasting with dark lateral carinae; Ecuador *Teleonemia* (*Tapinonemia*) n. sp. 9
 - Median carina of pronotum concolorous with lateral carinae, lateral carinae may be slightly infuscate on fourth 6
6. Bucculae distinctly truncate near apical margin, contiguous apically, but labrum occasionally visible in anterior view..... *Teleonemia* (*Tapinonemia*) n. sp. 18

- Bucculae not distinctly truncate near apical margin, contiguous apically, but labrum never visible in anterior view..... 7
- 7. Dorsal projection on each lateral margin of 8th abdominal segment in male triangular, stoutest and tallest near middle towards apex, then slender and flange-like in posterior margin *Teleonemia (Tapinonemia)* n. sp. 12
- Dorsal projection on each lateral margin of 8th abdominal segment in male tuberculate, uniform width throughout length, not flange-like in posterior margin *Teleonemia (Tapinonemia) longicornis* Champion
- 8. Base of basiflagellomere clavate or widened and excavate ventrally in male specimens, not widened or excavate in female specimens, median carina of pronotum twice as elevated as lateral carinae 9
- Base of basiflagellomere not clavate or widened in male or female specimens; median carina of pronotum slightly more elevated, than lateral carinae, but not twice as elevated 10
- 9. Length of scape two times the combined length of scape and pedicel; anterior margin of pronotal hood raised *Teleonemia (Tapinonemia) bosqi* Monte
- Length of scape more than two times the combined length of scape and pedicel; anterior margin of pronotal hood downcurved *Teleonemia (Tapinonemia)* n. sp.10
- 10. Rostrum extremely long extending to first or second abdominal sternite *Teleonemia (Tapinonemia) dulcis* Drake [In Part]
- Rostrum long, but not extending to first or second abdominal segment 11
- 11. Pronotal hood rounded dorsally in lateral view 12

- Pronotal hood extremely low, flat, raised, or slanting, but not rounded in lateral view
..... 13
- 12. General color red-brown; pronotal disc setose near calli and triangular posterior
projection; subcosta not covered with wax; legs red-brown; Brazil.....
..... *Teleonemia (Tapinonemia) telluris* Drake & Hambleton
- General color gray brown; pronotal disc setose over more than area surround calli and
triangular posterior projection; subcosta with waxy covering; Ecuador
..... *Teleonemia (Tapinonemia) n. sp.* 20
- 13. Distiflagellomeres distinctly infuscate and darker than basiflagellomeres; pronotal
hood extremely flattened; median carina elevated near base and extending onto hood;
appearing evenly sloped from pronotal disc
..... *Teleonemia (Tapinonemia) leitei* Drake & Hambleton
- Distiflagellomeres typically concolorous with basiflagellomeres; Pronotal hood may
be extremely low, but median carina distinctly depressed or reduced near pronotal
collar 14
- 14. Mostly dark-brown species; all areolae of sutural areas infuscate
..... *Teleonemia (Tapinonemia) argentinensis* Drake & Poor
- Lighter brown species; at least several areolae near apex of sutural areas hyaline 15
- 15. Anterior margin of propleuron visible in dorsal view 16
- Anterior margin of propleuron not distinctly visible in dorsal view
..... *Teleonemia (Tapinonemia) validicornis* Stål
- 16. Median carina distinctly lighter in color than lateral carinae
..... *Teleonemia (Tapinonemia) n. sp.* 23

- Median carina not distinctly lighter in color than lateral carinae
 *Teleonemia (Tapinonemia) jucunda* Drake

***Teleonemia (Tapinonemia) argentinensis* Drake & Poor 1942**

Teleonemia argentinensis Drake & Poor 1942: 300 (n. sp.) [Argentina]; Drake & Ruhoff, 1965: 371 (cat.); Montemayor & Coscarón 2005: 43 (checklist).

Teleonemia granulosa Monte 1942: 139 (n. sp.); Drake & Ruhoff 1965: 376 (cat.); Montemayor & Coscarón 2005: 44 (checklist). [New Synonymy]

Diagnosis. *Teleonemia (Tapinonemia) argentinensis* can be separated from all other species by the mostly uniform brown color, the distiflagellomeres that are concolorous with basiflagellomeres, the rostrum extending to posterior margin of the metasternum, by the low pronotal hood, by the uniseriate hypocostal and costal areas of the hemelytra, and by the completely infuscate sutural areas of the hemelytra.

Type specimen. Est. Exp. Loreto, 1936-XII-7, Dr. A. Obloblin; 20_D_; HOLOTYPE by C. J. Drake, *Teleonemia argentinensis* D & P; 44375; *Teleonemia Argentinensis* D & P (♂ MACN).

Comments. After comparing the photographs of identified specimens, and the descriptions of *Teleonemia argentinensis* and *T. granulosa*, I cannot separate these two species. The description of *T. argentinensis* was published on February 18th 1942 [Inscription], whereas the description of *T. granulosa* was published in June of 1942 [Inscription], therefore *T. argentinensis* has priority by several months. The specimens reported in appendix table A.1 from Brazil represent a new country record.

Geographic distribution. Argentina: Misiones and Brazil: Santa Catarina.

Ecology. Plant associations: Unknown.

Etymology. *Argentin* (Argentina), *ensis* (from)

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) bosqi* Monte 1943**

Teleonemia bosqi Monte 1943: 202 (n. sp.); Drake & Ruhoff 1965: 373 (cat.); Montemayor & Coscarón 2005: 43 (checklist).

Diagnosis. *Teleonemia (Tapinonemia) bosqi* can be separated from all similar species by the base of basiflagellomeres dilated laterally and excavate ventrally in male, by the elongate distiflagellomeres that are roughly two times the combined length of the scape and pedicel, by the apex of the pronotal hood raised, by the costal areas that are infusate near middle, and by the length of infusate mark roughly one-third or less than the length of discoidal cell.

Measurements. Male. (n = 2) Length: 4.56–4.66; width at widest: 1.32–1.39; Head: Scape: 0.22–0.27; pedicel: 0.14–0.16; basiflagellomere: 2.01; distiflagellomere: 0.64; interocular distance: 0.29–0.30; Thorax: Thickness of thorax: 0.89–0.95; width at humeral angles: 1.04–1.11; length of pronotum in dorsal view: 1.80–1.93; length of hemelytron: 3.02–3.19; length of discoidal area: 1.55–1.56; width of discoidal area: 0.38–0.39; Abdomen: Length: 2.15–2.21; length of pygophore: 0.47–0.50; width of pygophore: 0.69–0.70. Female. (n = 1) Length: 4.58; width at widest: 1.45; Head: Scape: 0.25–0.13; pedicel: 0.13; basiflagellomere: 2.01; distiflagellomere: 0.58; interocular distance: 0.31; Thorax: Thickness of thorax: 0.98; width at

humeral angles: 1.08; length of pronotum in dorsal view: 1.89; length of hemelytron: 3.06; length of discoidal area: 1.64; width of discoidal area: 0.46; Abdomen: Length: 2.32; length of female terminalia: 0.85; width of female terminalia: 0.97.

Type specimen. ♂; 1488; Typus; Eldorado Misiones; Bosq- II-[19]42; *Teleonemia bosqi* Monte Det. Oscar Monte; MNRJ-ENT3-274 (♂ MNRJ). Photograph of specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National

Geographic distribution. Argentina: Misiones; Bolivia: .

Ecology. Plant associations: unrecorded.

Etymology. Named in honor of Juan M. Bosq

Material examined. See appendix A.1.

Teleonemia (Tapinonemia) ceronotus, new species [*Teleonemia* n. sp. 1]

Diagnosis. *Teleonemia (Tapinonemia) ceronotus* can be separated from all other species of *Tapinonemia* by the densely wax covered pronotum, by the reduced R+M vein, and by the lateral margin of the subcostal area and lateral margin of discoidal cell bordering R+M veins appearing rounded.

Description. Large broad species, general color variegated fuscous brown. **Head.** elongate, brown, completely obscured dorsally by wax; occipital spines extremely long, adpressed to head, nearly reaching antennal base; medial spine downcurved, adpressed to head, thick, stout; frontal spines converging in front of first antennal segment. Antennae with first

antennal segment short, stout, very pilose, not as long as head; second antennal segment slightly shorter than first, extremely pilose; third antennal segment extremely long, stout, extremely pilose, six to seven times as long as first antennal segment; fourth antennal segment short, slightly longer than first antennal segment, pilose. Bucculae obscured by wax, mostly triseriate, brown. Rostrum reaching between mesothoracic coxae.

Thorax. Pronotum tricarinate, pitted, punctate, brown; pronotal collar slightly produced to form a small hood-like structure; calli devoid of wax, but remainder of pronotum covered with wax; posterior triangular projection areolate. Carinae subequal in height, subparallel, uniseriate; paranota uniseriate, adpressed to lateral prothorax. Hemelytra constricted, variegated, brownish, extending one-fifth length beyond apex of abdomen; costal margins of hemelytra weakly uniseriate throughout, but appearing carinate, reflexed, with variegated infuscation; subcostal areas biseriate, variegated with testaceous and dark fuscous, subcostal extension uniseriate; discoidal area triangular, occupying one-third of wing in dorsal view, four areolae at widest, variegated with wax; sutural areas of hemelytra eight to ten areolae at widest, completely overlapping. Rostral laminae subparallel on mesothorax, crescentic on metathorax, covered with wax. Legs subequal in length; coxae, femora, tibiae, and tarsi dark-brown, mostly obscured by wax; some parts of trochanters and apical half of tibiae and tarsi devoid of wax; basitarsus minute; second tarsal segment extremely elongate, slender.

Abdomen. elongate, brownish, with yellow wax. Pygophore one-third narrower than abdomen; two concavities on ventral surface of pygophore, filled with wax; parameres extremely stout basally, but narrowing toward apex, covered with hairs and wax basally, slender near apex.

Measurements. Male. (n = 1) Length: (5.06); width at widest: (1.39); Head: Scape: (0.23); pedicel: (0.22); basiflagellomere: (1.67); distiflagellomere: (0.48); interocular distance:

(0.35); Thorax: Thickness of thorax: (0.94); width at humeral angles: (1.19); length of pronotum in dorsal view: (2.03); length of hemelytron: (3.56); length of discoidal area: (1.76); width of discoidal area: (0.46); Abdomen: Length: (2.60); length of pygophore: (0.56); width of pygophore: (0.73). Female. (n = 2) Length: 4.58–5.94; width at widest: 1.37–1.55; Head: Scape: 0.28–0.34; pedicel: 0.20–0.22; basiflagellomere: 1.43–1.50; distiflagellomere: 0.43–0.45; interocular distance: 0.36–0.37; Thorax: Thickness of thorax: 0.87–1.00; width at humeral angles: 1.06–1.26; length of pronotum in dorsal view: 1.80–2.21; length of hemelytron: 3.21–3.66; length of discoidal area: 1.77–2.02; width of discoidal area: 0.47–0.49; Abdomen: Length: 2.42–2.74; length of female terminalia: 0.81–0.82; width of female terminalia: 0.96–1.06.

Measurements. (n=5) length: 4.59-5.09, width: 1.34-1.37, antennal segments one through four, respectively: 0.29-0.38, 0.21-0.22, 1.56-1.57, 0.32-0.44. Holotype: length: 5.09, width: 1.34, antennal segments one through four, respectively: 0.29, 0.22, 1.56, 0.32.

Geographic distribution. Mexico, Costa Rica.

Ecology. Plant associations: No Plant associations: have been recorded for this species.

Etymology. This species is named for the wax (cero-) covered pronotum (-notus).

Material examined. Holotype. MEXICO: Oaxaca: Puerto Escondido, 15-VII-1985, Jones, Schaffner (1♀ TAMU). **Paratypes.** Same data as holotype (3♀ TAMU). COSTA RICA: Mata de Limon Pacif; VIII-1972, J. C. Maldonado C (1♀ USNM); Prov. Puntarenas. P.N. Carara. Estación Quebrada Bonita, 11-III-1994, M. Epstein, L_N_194500_469850 #76218 (1♀ INBIO); Prov. Puntarenas: Est. Quebrada Bonita, R.B. Carara, 100m. V-VI-1989. R. Zuniga, L_N_195250_469850 #7434 (1♀ INBio); Prov. Puntarenas: Garabito, Finca Queb. Bonita-Garabu. La Fila. 100-150m. 23-24-XI-2008, Zumbado, Hernández, Azofeifa, Moraga. Amarilla.

LS_391360_397860 #95320 (1♀INBio); Prov. Guanacaste: Pueblo Ostional, Orilla de Quebrada Biscoyol, 0 - 5m, 16-VI-2004, D. Briceño, Red de Golpe, L_N_221090_349100 #77415 (1♀INBio).

***Teleonemia (Tapinonemia) cylindricornis* Champion 1898a**

Teleonemia cylindricornis Champion 1898a: 41 (n. sp.); Van Duzee 1907: 22 (note); Drake 1925: 38; Blatchley 1926: 488 (cat.); Froeschner 1944: 669 (note); Drake & Ruhoff 1965: 374 (cat.); Froeschner 1988: 731 (cat.).

Diagnosis. *Teleonemia (Tapinonemia) cylindricornis* can be separated from all other species of *Tapinonemia* by the stout basiflagellomeres with thick stout setae and by the costal areas of the hemelytra that are biseriate beyond the discoidal cell.

Measurements. Male. (n = 2) Length: 4.29–4.67; width at widest: 1.41–1.49; Head: Scape: 0.24–0.27; pedicel: 0.16–0.18; basiflagellomere: 1.79–2.10; distiflagellomere: 0.54–0.56; interocular distance: 0.33–0.34; Thorax: Thickness of thorax: 0.81–0.91; width at humeral angles: 1.05–1.12; length of pronotum in dorsal view: 1.71–1.83; length of hemelytron: 2.89–3.26; length of discoidal area: 1.51–1.60; width of discoidal area: 0.40–0.43; Abdomen: Length: 1.96–2.32; length of pygophore: 0.44–0.51; width of pygophore: 0.62–0.70. Female. (n = 2) Length: 4.20–4.96; width at widest: 1.59–1.88; Head: Scape: 0.26–0.29; pedicel: 0.15–0.16; basiflagellomere: 1.61–1.99; distiflagellomere: 0.44–0.52; interocular distance: 0.32–0.35; Thorax: Thickness of thorax: 0.81–0.98; width at humeral angles: 1.02–1.14; length of pronotum in dorsal view: 1.75–2.04; length of hemelytron: 2.88–3.04; length of discoidal area: 1.58–1.92;

width of discoidal area: 0.41–0.56; Abdomen: Length: 2.06–2.40; length of female terminalia: 0.82–0.95; width of female terminalia: 0.94–1.05.

Type specimen. S. Geronimo, 3000 ft. Champion.; B. C. A. Rhyn. II. *Teleonemia cylindricornis* Ch.; NHMUK 011253977; LECTOTYPE (♀) *Teleonemia cylindricornis* Champion, Det. Knudson (♀ NHMUK). Herein designated as lectotype. Specimen examined.

Geographic distribution. Mexico to Costa Rica.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for the stout, cylindrical antennae.

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) dulcis* Drake 1939**

Teleonemia dulcis Drake 1939a: 525 (n. sp.) [Brazil]; Monte 1941b: 136 (cat.); Drake & Ruhoff 1965: 375(cat.).

Diagnosis. *Teleonemia (Tapinonemia) dulcis* can be separated from all other species of *Tapinonemia* by the large size, length longer than 6mm, by the slender basiflagellomeres, by the extremely elongate rostrum reaching the second abdominal sternite, and by the proximal margins of the ninth paratergites each without a thick broad keel.

Measurements. Not taken in this study.

Type specimen. Belem Braz.; *Teleonemia dulcis* HOLOTYPE By C. J. Drake; C J Drake Coll. 1956; USNMMENT 00866659 (♀ USNM). Specimen examined.

Geographic distribution. Brazil: Pará.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) jucunda* Drake 1939**

Teleonemia jucunda Drake 1939a: 526 (n. sp.) [Brazil]; Monte 1941b: 137 (cat.); Drake & Ruhoff 1965: 377 (cat.).

Diagnosis. *Teleonemia (Tapinonemia) jucunda* can be separated from all other species by a combination of the following characters, lighter brown color, the distiflagellomeres that are concolorous with basiflagellomeres, the rostrum extending to posterior margin of the metasternum, by the low pronotal hood, by the anterior margin of propleuron visible in dorsal view, by the median carina not distinctly lighter in color than lateral carina, by the uniseriate hypocostal and costal areas of the hemelytra, by the one or two infusate areolae of the costal area beyond discoidal area, and by the sutural areas of the hemelytra with several hyaline areolae.

Measurements. Male. (n = 2) Length: 5.34–5.61; width at widest: 1.42–1.71; Head: Scape: 0.26–0.31; pedicel: 0.17–0.20; basiflagellomere: 2.27–2.40; distiflagellomere: 0.65–0.68; interocular distance: 0.29–0.31; Thorax: Thickness of thorax: 0.94–1.00; width at humeral angles: 1.07–1.13; length of pronotum in dorsal view: 2.07–2.13; length of hemelytron: 3.69–3.84; length of discoidal area: 1.96–1.98; width of discoidal area: 0.40–0.45; Abdomen: Length: 2.41–2.64; length of pygophore: 0.49–0.50; width of pygophore: 0.65–0.69. Female. (n = 2)

Length: 5.27–5.44; width at widest: 1.50–1.55; Head: Scape: 0.29–0.30; pedicel: 0.16–0.17; basiflagellomere: 2.12–2.27; distiflagellomere: 0.58–0.63; interocular distance: 0.32–0.36; Thorax: Thickness of thorax: 0.96–0.98; width at humeral angles: 1.10–1.14; length of pronotum in dorsal view: 1.96–2.05; length of hemelytron: 3.73–3.80; length of discoidal area: 2.01–2.05; width of discoidal area: 0.48–0.53; Abdomen: Length: 2.57–2.59; length of female terminalia: 0.77–0.93; width of female terminalia: 1.00–1.01.

Type specimen. Bahia, Brazil 193, G. Bondar; HOLOTYPE By C. J. Drake *Teleonemia jucunda*; C J Drake Coll. 1956 (♂ USNM). Specimen examined.

Geographic distribution. Bolivia; Brazil; Costa Rica; Panama; Peru.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) leitei* Drake & Hambleton 1939**

Teleonemia leitei Drake & Hambleton 1939: 153 (n. sp.) [Brazil; *Pithecotenuim echinatum*]; Monte 1941b: 137 (cat.); Drake & Ruhoff 1965: 377 (cat.).

Diagnosis. *Teleonemia (Tapinonemia) leitei* can be separated from all similar species by a combination of the following characters; general color light-brown, distiflagellomeres distinctly infuscate and darker than basiflagellomeres, pronotal hood extremely flattened, low and broad, median carina elevated near base of pronotal hood and extending onto hood, appearing evenly sloped from pronotal disc, and by the hypocostal area widened near middle and weakly biseriate in males.

Measurements. Not taken in this study.

Type specimen. São Paulo, BRASIL, 13-Mayo 1935, M. C. Leite; 151.; HOLOTYPE *Teleonemia leitei*; C J Drake Coll. 1956; USNMNT 00866665 (♀ USNM). Specimen examined.

Comments. Drake & Hambleton state that the holotype is a male, but the holotype specimen listed above is a female. Examination of the type series indicates that the male has a widened hypocostal area about the middle which is biseriate, and most female specimens lack this character.

Geographic distribution. Known only from the type series collected in São Paulo, Brazil.

Ecology. Plant associations: *Amphilophium crucigerum* (Linnaeus) L. G. Lohmann [Bignoniaceae].

Etymology. Presumably, named after the collector of the type series; M. C. Leite (Drake & Hambleton 1939).

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) longicornis* Champion 1898b**

Teleonemia longicornis Champion 1898b: 62 (n. sp.); Drake 1930b: 1 (note); Monte 1941b: 138 (cat.); Drake & Ruhoff 1965: 377 (cat.).

Diagnosis. *Teleonemia (Tapinonemia) longicornis* can be separated from all other species with hypocostal areas widened about the middle by a combination of the following

characters; bucculae not truncate apically, median carina concolorous with lateral carinae, and by the tuberculate process on each dorsal lateral margin of the eighth abdominal segment in male that is not flange-like in posterior margin.

Measurements. Male. (n = 2) Length: 4.28–4.82; width at widest: 1.24–1.35; Head: Scape: 0.25–0.28; pedicel: 0.19–0.20; basiflagellomere: 1.97–2.02; distiflagellomere: 0.58–0.68; interocular distance: 0.25–0.29; Thorax: Thickness of thorax: 0.88–0.98; width at humeral angles: 1.01–1.16; length of pronotum in dorsal view: 1.83–2.00; length of hemelytron: 3.09–3.42; length of discoidal area: 1.49–1.62; width of discoidal area: 0.38–0.39; Abdomen: Length: 2.11–2.23; length of pygophore: 0.48–0.59; width of pygophore: 0.68–0.77. Female. (n = 2) Length: 4.94–4.97; width at widest: 1.49–1.52; Head: Scape: 0.25–0.27; pedicel: 0.15–0.17; basiflagellomere: 2.02–2.03; distiflagellomere: 0.58–0.63; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 0.95–0.97; width at humeral angles: 1.17; length of pronotum in dorsal view: 2.06–2.10; length of hemelytron: 3.22–3.40; length of discoidal area: 1.76–1.79; width of discoidal area: 0.47–0.51; Abdomen: Length: 2.32–2.36; length of female terminalia: 0.75–0.76; width of female terminalia: 0.99–1.07.

Type specimen. TYPE. ♂. CHAMPION, *Teleonemia longicornis*. Trans. Ent. Soc. Lud., 1898, p.62, pl.iii, fig.7.; Amazonas Bates. (1861); *Teleonemia longicornis*, ♂. Type CH. TYPE. ♂. CHAMPION, *Teleonemia longicornis*. Trans. Ent. Soc. Lud., 1898, p.62, pl.iii, fig.7.; 16; TYPE HEM: 404 TELEONEMIA LONGICORNIS CHAMPION HOPE DEPT. OXFORD (♂ OUMNH). Photograph of specimen examined.

Comments. Champion (1898b) clearly stated that he had one example of this species, as such the specimen above is a holotype. The specimens listed in appendix A.1 from Bolivia and Peru are new country records.

Geographic distribution. Bolivia: La Paz, Brazil: Amazonas, Peru: Cusco.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for the elongate antennae.

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) telluris* Drake & Hambleton 1939**

Teleonemia telluris Drake & Hambleton 1939:154 (n. sp.) [Brazil]. Monte 1941b: 141 (cat.);

Teleonemia tellus [unjustified emendation]: Drake & Ruhoff 1965: 385 (cat.).

Diagnosis. *Teleonemia (Tapinonemia) telluris* can be separated from all other species of *Tapinonemia* by a combination of the following characters; the general red-brown color, by the basiflagellomeres that are not dilated near base, by the elongate rostrum reaching the posterior margin of the metasternum, by the dorsal margin of the pronotal hood broadly rounded in lateral view, by the setose pronotum that is setose near calli and posterior projection, by the uniseriate hypocostal and costal areas, by the subcostal area devoid of wax, and by the red-brown legs.

Type specimen. Chapada Brazil, Acc. No. 2966; Aug.; *Teleonemia telluris* HOLOTYPE; C J Drake Coll. 1956; USNMENT 0866690 (♀ USNM). Specimen examined.

Comments. Drake and Hambleton (1939) state that the type is from Chapada Brazil, but did not list more details regarding the type locality. There are several locations in Brazil that bear the name Chapada in conjunction with other location names. Monte (1941) cites Drake and Hambleton (1939) and listed the state of Mato Grosso for this species distribution in Brazil. Additionally, Nearn & Androw (2013) state that extensive collecting by Herbert H. Smith in

Santarém (Pará, Brazil), Chapada and Corumbá (Matto Grosso, Brazil), and other locations resulted in specimens deposited in CMNH. If Monte's (1941) interpretation is correct, then the type may have been collected near Chapada dos Guimarães in the Brazilian state of Mato Grosso. See also *Teleonemia chapadiana*.

Geographic distribution. Brazil; Mato Grosso.

Ecology. Plant associations: Unknown.

Material examined. See appendix A.1.

***Teleonemia (Tapinonemia) validicornis* Stål 1873**

Teleonemia validicornis Stål 1873: 132 (n. sp.) [Colombia]; Champion 1898b: 62 (note); Van Duzee 1901: 348 (note) [Guyana]; Drake 1929:35 (note) [Surinam], 1936: 699 (note) [Argentina]; Drake & Bondar 1932: 87 (note) [Brazil, *Macherium oblongifolium subglabrum*]; Costa Lima 1936: 130 (cat.); Drake & Poor 1937: 303 (note) French Guyana]; Drake & Hambleton 1938b: 52 (note); Monte 1939a: 80 (checklist) [*Jacaranda paucifoliata*], 1939b: 59 (checklist), 1940: 191 (note), 1941b: 142 (cat.); Hurd 1946: 448 (note) [Panama, *Macherium oblongifolium*]; Silva 1956: 64 (cat.); Drake & Cobben 1960: 73 (note) [Venezuela, Curaçao, *Lantana camara*]; Winder & Harley 1982: 602 (note); Montemayor & Coscarón 2005: 45 (checklist); Cazorla & Knudson 2021: 39 (checklist).

Diagnosis. *Teleonemia (Tapinonemia) validicornis* can be separated from all other species by a combination of the following characters, lighter brown color, the distiflagellomeres

that are concolorous with basiflagellomeres, the rostrum extending to posterior margin of the metasternum, by the low pronotal hood, by the anterior margin of propleuron not visible in dorsal view, by the uniseriate hypocostal and costal areas of the hemelytra, by the one or two infusate areolae of the costal area beyond discoidal area, and by the sutural areas of the hemelytra with several hyaline areolae.

Measurements. Male. (n = 2) Length: 4.62–5.32; width at widest: 1.31–1.49; Head: Scape: 0.26; pedicel: 0.15–0.16; basiflagellomere: 2.22–2.57; distiflagellomere: 0.60–0.68; interocular distance: 0.31–0.32; Thorax: Thickness of thorax: 0.87–0.97; width at humeral angles: 1.01–1.11; length of pronotum in dorsal view: 1.84–2.09; length of hemelytron: 3.20–3.57; length of discoidal area: 1.64–1.83; width of discoidal area: 0.42–0.46; Abdomen: Length: 2.18–2.35; length of pygophore: 0.50–0.55; width of pygophore: 0.69–0.75. Female. (n = 2) Length: 4.73–5.36; width at widest: 1.33–1.58; Head: Scape: 0.19–0.24; pedicel: 0.16–0.18; basiflagellomere: 1.75–2.05; distiflagellomere: 0.50–0.58; interocular distance: 0.32–0.33; Thorax: Thickness of thorax: 0.94–1.01; width at humeral angles: 1.06–1.20; length of pronotum in dorsal view: 1.93–2.14; length of hemelytron: 3.15–3.61; length of discoidal area: 1.66–1.99; width of discoidal area: 0.44–0.56; Abdomen: Length: 2.31–2.55; length of female terminalia: 0.75–0.88; width of female terminalia: 0.94–1.04.

Type specimen. Bogota; *Lindig*; validicornis Stål; Typus; *Teleonemia validicornis* Stål; NHRS-GULI 000083676 (♂ NHRS). Photograph of specimen examined.

Geographic distribution. Costa Rica: Heredia; Colombia.; Panama; Venezuela

Ecology. Plant associations: *Jacaranda paucifoliata* Mart. ex DC [Bignoniaceae]; *Machaerium oblongifolium* Vogel [Fabaceae]; *Lantana camara* Linnaeus [Verbenaceae]; Winder & Harley (1982) report this species sucking on *Lantana* spp. foliage and stems.

Etymology. Likely named for the stout antennae.

Material examined. See appendix A.1.

Teleonemia (Tapinonemia) n. sp. 9

Diagnosis. *Teleonemia (Tapinonemia) n. sp. 9* can be separated from all other species with hypocostal areas widened about the middle by a combination of the following characters; bucculae not truncate apically, median carina distinctly lighter in color, contrasting with dark lateral carinae, and by the tuberculate process on each dorsal lateral margin of the eighth abdominal segment in male that is tuberculate and not flange-like in posterior margin.

Description. Generally elongate, red-brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines brown, slender, incurved, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-fourth times as long as width of eye; medial spine concolorous with occipital spines, moderately elongate, subequal in length of occipital spines, nearly reaching apices of frontal spines, porrect, base with thickened setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles moderately elongate, slightly longer than width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown; scape barrel-shaped, weakly constricted near middle, one and one-third as long as eye width; pedicel short, two-thirds length of scape; basiflagellomere elongate, nine to ten times length of scape,

stout throughout much of length, wide near middle, clavate, widest and infusate near apex; distiflagellomere dark infusate, two and one-half times length of scape, fusiform, distinctly wider near middle, truncate apically. Eyes large, narrow, D-shaped, anterior margin truncate at bases of antenniferous tubercles; maxillary plates obscured by setae; clypeus dark red-brown with thickened downcurved setae; bucculae broad, height one and one-third wider than width of eye, triseriate, lateral margins with thickened downcurved setae near bases, truncate near apical margin, subparallel with clypeus contiguous apically, ventral margin curved in lateral view, weakly notched behind eye; rostrum brown, elongate, extending to basal third of metasternum, apical half of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc subequal to one and one-half times diameter of punctures, there rugose; calli red-brown, shining, margined with dense, thickened setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, narrow, produced anteriorly covering bases of occipital spines, five areolae long, tumid posteriorly, with setae on posterior margin, dorsal margin rounded in lateral view; paranota narrow, slender, reflexed vertically not adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, posterior margin carinate at humeral angles; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein comprising one-half of median carina height; lateral carinae slightly divergent posteriorly, infusate on posterior third; areole of triangular posterior projection gradually increase in size near base, then abruptly larger towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with

downcurved thickened setae on basal third. Prothoracic rostral laminae low, mostly subparallel; mesothoracic sternal laminae wider apart at base than prothoracic laminae, subparallel; metasternal laminae mostly subparallel, weakly constricted near middle, posterior margins incurved; metasternum with minute pubescence. Legs dark-brown; coxae lighter brown, globose, distal margins with dense thickened setae; trochanters, short, setose; femora dark-brown, moderately elongate, stout, widest beyond middle, with minute pubescence; tibiae slender, lighter brown beyond basal third, dark-brown near apex, longer than length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes lanceolate, elongate, two and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate basally, broader and briefly biseriate, beyond basal third, uniseriate beyond middle to apex, areolae bordered by minute pubescence near base, largest on basal third, smaller near apex; costa light tannish-brown, darker brown near middle and on apical fourth; costal area uniseriate, areolae hyaline, except fuscous bands before middle and apical fourth, larger beyond apex of discoidal cell; subcosta light-brown, dark-brown near middle; subcostal area tan with brown band near middle, biseriate, subvertical; R+M vein brown, darker near middle, sinusoidal, with minute slender setae; discoidal cell mostly dark gray-brown, midpoint at apex of triangular posterior projection, broad, each comprised of five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight to weakly sinusoidal; veins of sutural areas brown, areolae dark-brown, large, nine to ten rows of areolae at widest, areolae of apical margin smaller than those of discoidal area, gradually increase in size towards apex. Metathoracic wings gray-brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Dark brown, ovate, widest near middle, covered with cream-colored wax and setae near sternal sutures, last abdominal segment in male with prominent triangular projection on each dorso-posterio-lateral margin, dorsal surface of projection with noticeable raised broad tumid denticulate process. Pygophore red-brown, broad, slightly narrower than preceding abdominal segment, ventral basal depressions small, not very deep, not extending vertically on lateral margins, dorsal posterior margin with a mesial depression or groove; parameres dark-brown, lighter red-brown near apex, stout near base, relatively stout throughout length, curved, after middle and weakly angulate ventrally near apical fourth, postero-lateral margins obscured by minute pubescence.

Measurements. Male. (n = 2) Length: 4.88–(4.92); width at widest: 1.35– (1.57); Head: Scape: (0.22) –0.26; pedicel: 0.18– (0.20); basiflagellomere: (2.32) –2.42; distiflagellomere: (0.64) –0.69; interocular distance: (0.24) –0.30; Thorax: Thickness of thorax: 0.94– (0.99); width at humeral angles: 1.12– (1.15); length of pronotum in dorsal view: 1.86– (1.99); length of hemelytron: (3.47) –3.49; length of discoidal area: (1.62)–1.67; width of discoidal area: 0.39– (0.42); Abdomen: Length: (2.17) –2.23; length of pygophore: (0.47)–0.53; width of pygophore: (0.73)–73.

Type specimen. Holotype: ECUADOR: Napo Prov. 12 km. SW Estación Científica Yasuní, IX-7- 1999, E. G. Riley; TAMU - ENTO X1140277 (♂ TAMU).

Comments. The paratype is slightly darker in color and has more uniformly stout antennae that are still broad near middle.

Geographic distribution. Known only for the type locality in Napo Province Ecuador.

Ecology. Plant associations: unknown.

Material examined. Paratype: ECUADOR: Napo Prov. Estación Científica Yasuní 00°40'28"S, 76°38'50"W IX-5-10-1999, 215 m Coll. E. G. Riley; TAMU - ENTO X1135587 (1♂ TAMU).

Teleonemia (Tapinonemia) n. sp. 10

Diagnosis. *Teleonemia (Tapinonemia) n. sp. 10* can be separated from all similar species by the base of basiflagellomeres dilated laterally and excavate ventrally in male, by the elongate distiflagellomeres that are more than two times the combined length of the scape and pedicel, by the apex of the pronotal hood downcurved, by the costal areas that are infusate near middle, and by the length of infusate mark roughly one-third or less than the length of discoidal cell.

Description. Generally elongate, blue-brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines tannish-brown, stout, subparallel, porrect, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines elongate, reaching apices of frontal spines, porrect, three quarters the length of occipital spines, base with thickened setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, subequal to length of medial spine; antenniferous tubercles moderately elongate, subequal to length to width of eye, dorsal margins beset with downcurved setae; scape barrel-shaped, one and one-half times as long as eye width; pedicel short, half the length of scape; basiflagellomere in male stout near base in dorsal view, extremely excavate beneath, and slightly bent ventrally beyond excavation, tapering towards apical third, then weakly clavate at apex, eight to nine times length of scape, female basiflagellomere slender

throughout much of length, widest near apex; distiflagellomere dark infusate, two times length of scape, elongate blunt club, slightly wider beyond middle, truncate apically; eyes large, D-shaped; maxillary plates with scattered setae; clypeus dark black brown with thickened downcurved setae; bucculae broad, height slightly wider than width of eye, triseriate, lateral margins with thickened downcurved setae, truncate near apical margin, subparallel with clypeus contiguous apically, ventral margin curved in lateral view; clypeus dark-brown with scattered setae; rostrum light-brown, elongate, extending to middle of metasternum, three quarters of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, ovate, interpunctural distance at most elevated area of pronotal disc subequal to narrower diameter of punctures; calli dark-brown, shining, margined with scattered, moderately elongate setae; pronotal hood only slightly elevated than disc, four areolae tall, broad, roof-like, produced anteriorly covering bases of occipital spines, four areolae long, tumid posteriorly, with setae on posterior margin; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate, basal row extremely small, explanate, lateral row much larger, posterior margin uniseriate to carinate at humeral angles; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc, median carina dark-brown at apex of disc, one and one-half times as high as lateral carinae, the dorsal vein much thicker than lateral carinae and comprising one half of median carina height; lateral carinae slightly divergent posteriorly; areole of triangular posterior projection gradually increase in size from base, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, wider apart near base, narrowed posteriorly; mesothoracic sternal laminae wider apart at

base than prothoracic laminae, weakly crescentic-shaped, converging on; metasternal laminae subparallel, weakly diverging near apex, crescentic-shaped in posterior half, posterior margin incurved; metasternum with short, thickened setae. Legs brown; coxae dark-brown, short, globose, distal margins with dense thickened setae; trochanters, short, setose; femora dark-brown, moderately elongate, stout, widest beyond middle, with ashen setae; tibiae slender, brown, dark-brown near apex, longer than length of femora and trochanters combined; basitarsi minute; distitarsi elongate, expanded broadly near apex, there dark infusate. Ostoliar peritremes lanceolate, elongate, three times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae margined with a few slender setae, larger near base, becoming smaller near apex; costa light tannish-brown, darker brown near middle and on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta brown and dark-brown near middle; subcostal area brown with dark-brown band, biseriate, subvertical, with setae surrounding areolae on basal half along discoidal cell; R+M vein brown, darker near middle, sinusoidal; discoidal cell dark-brown, light-brown near base, broad, midpoint slightly before apex of triangular posterior projection, each comprised of five rows of areolae at widest, areolae margined with few scattered, elongate downcurved setae; each cubitus vein weakly sinusoidal; sutural areas dark-brown, lighter brown near base of post cubitus, and apex, moderately large, nine rows of areolae at widest, areolae slightly larger than those of apical margin of discoidal area, gradually increase in size towards apex. Metathoracic wings gray-brown, extending beyond apex of abdomen.

Abdomen. Dark-brown, tinged with cobalt blue, ovate, widest near middle, covered with whitish wax and setae near sternal sutures, last abdominal segment in male with prominent

tubercle on each dorso-posterio-lateral margin, dorsal surface of projection with weakly raised tumid process; eighth paratergites slightly depressed on basal area; ninth paratergites stout, uniformly rounded basally, excavate near proximal margins and on apical third, apical margin setose. Pygophore red-brown, narrow, two-thirds the width of preceding abdominal segment, ventral basal depressions deep and extending vertically on lateral margins; parameres dark red-brown, lighter in color near apex, stout near base, slender near apex, curved, after middle and weakly angulate near apical fourth, setose on postero-lateral margins, left paramere stouter than right paramere.

Measurements. Male. (n = 1) Length: (4.97); width at widest: (1.57); Head: Scape: (0.21); pedicel: (0.14); basiflagellomere: (2.30); distiflagellomere: (0.70); interocular distance: (0.30); Thorax: Thickness of thorax: (1.03); width at humeral angles: (1.18); length of pronotum in dorsal view: (2.16); length of hemelytron: (3.31); length of discoidal area: (1.81); width of discoidal area: (0.43); Abdomen: Length: (2.44); length of pygophore: (0.56); width of pygophore: (0.78.) Female. (n = 1) Length: 4.94; width at widest: 1.60; Head: Scape: 0.23; pedicel: 0.14; basiflagellomere: 2.11; distiflagellomere: 0.64; interocular distance: 0.32; Thorax: Thickness of thorax: 0.96; width at humeral angles: 1.12; length of pronotum in dorsal view: 1.94; length of hemelytron: 3.64; length of discoidal area: 1.71; width of discoidal area: 0.51; Abdomen: Length: 2.39; length of female terminalia: 0.89; width of female terminalia: 0.99.

Type specimen. PERU: Cusco: Villa Carmen Field station, near cafeteria 12.89497°S 71.40364°W 520m 20-21.V.2011 D. J. Bennett & E. Razuri yellow pan trap PER-11-PTY-015 (♂ MUSM).

Comments. The female basiflagellomeres are uniformly cylindrical near their bases.

Geographic distribution. Peru: Cusco & Madre de Dios.

Ecology. Plant associations: unrecorded.

Material examined. Paratype: PERU: Madre de Dios: Tambopata: Monterrey, Finca las Piedras vic. 12.226348°S 69.112599°W, Colls.: S. Bybee, G. S. Powell & J. M. Leavengood, Jr. 7-20-I-2022 (♀ JMLC).

Teleonemia (Tapinonemia) n. sp. 12

Diagnosis. *Teleonemia (Tapinonemia) n. sp. 12* can be separated from all other species with hypocostal areas widened about the middle by a combination of the following characters; bucculae not truncate apically, median carina concolorous with lateral carinae, and by the tuberculate process on each dorsal lateral margin of the eighth abdominal segment in male that is triangular and flange-like in posterior margin.

Description. Generally elongate, tannish-brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines tannish-brown, slender, incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines, moderately elongate, two-thirds length of occipital spines, nearly reaching apices of frontal spines, porrect, base with thickened setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, one-half length of medial spine; antenniferous tubercles subequal in length to width of eye, dorsal margins beset with minute pubescence. Antennae brown; scape barrel-shaped, stoutest near base, weakly tapering towards apex, one and one-third as long as eye width; pedicel elongate, nearly three-quarters length of

scape; basiflagellomere elongate, seven to eight times length of scape, stout throughout much of length wider near middle, clavate and infusate near apex; distiflagellomere dark infusate, two and one-half times length of scape, fusiform, distinctly wider beyond middle, truncate apically. Eyes large, narrow, D-shaped, anterior margin weakly truncate at bases of antenniferous tubercles. Maxillary plates obscured by setae; clypeus dark red-brown with thickened downcurved setae; bucculae broad, height one and one-half wider than width of eye, triseriate, lateral margins near base with thickened downcurved setae, truncate near apical margin, subparallel with clypeus contiguous apically, ventral margin mostly straight in lateral view; rostrum light-brown, elongate, extending to middle of metasternum, apical segment mostly infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc subequal to narrower diameter of punctures; calli dark-brown, margined with thickened setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, narrow, produced anteriorly covering bases of occipital spines, five areolae long, tumid posteriorly, with setae on posterior margin, dorsal margin rounded in lateral view; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, posterior margin carinate at humeral angles; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein comprising less than one-half of median carina height; lateral carinae slightly divergent posteriorly, infusate on posterior third; areole of triangular posterior projection gradually increase in size near base, then abruptly larger towards apex, margined with downcurved thickened setae; propleuron similarly punctured like

pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, widest apart basally, directed mesally throughout length; mesothoracic sternal laminae wider apart at base than prothoracic laminae, subparallel; metasternal laminae subparallel, weakly constricted about middle, posterior margins incurved; metasternum flat, with minute pubescence. Legs brown; coxae dark-brown, short, globose, distal margins with dense minute pubescence; trochanters, moderately elongate, mostly devoid of setae; femora dark-brown, moderately elongate, stout, widest beyond middle, with whitish wax; tibiae slender, brown, dark-brown near apex, longer than length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes ovate, elongate, two and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate on base, broader and briefly biseriate, near middle, uniseriate beyond middle to apex, areolae bordered by minute pubescence near base, largest before middle, smaller near apex; costa yellow-brown, darker brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta yellow brown, dark-brown near middle; subcostal area yellow with brown band near middle, biseriate, subvertical, with minute pubescence surrounding areolae on basal third; R+M vein brown, darker near middle, sinusoidal; discoidal cell light-brown with dark-brown markings, midpoint at apex of triangular posterior projection, broad, each comprised of four to five rows of areolae at widest, areolae margined with few scattered, setae; each cubitus vein weakly sinusoidal; sutural areas yellow brown near base, variegated with dark-brown, moderately large, six to seven rows of areolae at widest, areolae slightly larger than those of apical margin of discoidal area, abruptly

increase in size towards apex. Metathoracic wings brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Brown, ovate, widest near middle, covered with cream-colored wax and setae near sternal sutures, last abdominal segment in male with prominent triangular projection on each dorso-posterio-lateral margin, dorsal surface of projection with noticeable raised triangular denticulate process; eighth paratergites weakly depressed on basal area, mostly flat, obscured by minute pubescence or wax; ninth paratergites stout, uniformly rounded in base, excavate on apical third, completely covered with setae and wax. Pygophore red-brown, broad, slightly narrower than preceding abdominal segment, ventral basal depressions not very deep, not extending vertically on lateral margins, dorsal posterior margin with a mesial depression; parameres dark-brown on basal third, lighter red-brown near apex, stout near base, slender near apex, dorsal margins weakly depressed near middle, curved, after middle and weakly angulate ventrally near apical fourth, setose on postero-lateral margins.

Measurements. Male. (n = 1) Length: (4.64); width at widest: (1.37); Head: Scape: (0.28); pedicel: (0.21); basiflagellomere: (2.12); distiflagellomere: (0.57); interocular distance: (0.31); Thorax: Thickness of thorax: (0.89); width at humeral angles: (1.11); length of pronotum in dorsal view: (1.87); length of hemelytron: (3.25); length of discoidal area: (1.51); width of discoidal area: (0.39); Abdomen: Length: (2.18); length of pygophore: (0.46); width of pygophore: (0.90.) Female. (n = 1) Length: 4.92; width at widest: 1.53; Head: Scape: 0.21; pedicel: 0.20; basiflagellomere: 2.01; distiflagellomere: 0.62; interocular distance: 0.33; Thorax: Thickness of thorax: 1.02; width at humeral angles: 1.20; length of pronotum in dorsal view: 1.97; length of hemelytron: 3.46; length of discoidal area: 1.69; width of discoidal area: 0.46; Abdomen: Length: 2.30; length of female terminalia: 0.83; width of female terminalia: 0.94.

Type specimen. GYANE: Grand Matoury (near Cayenne), 4 August 1996, D. a. Pollock (♂ CMNH).

Geographic distribution. Known only from the type locality Mont Grand Matoury in French Guiana.

Ecology. Plant associations: None recorded..

Material examined. Paratype: same data as holotype (♀ CMNH).

Teleonemia (Tapinonemia) n. sp. 18

Diagnosis. *Teleonemia (Tapinonemia) n. sp. 18* can be separated from all other species with hypocostal areas widened about the middle by a combination of the following characters; bucculae truncate apically, labrum occasionally visible in a front on view, median carina concolorous with lateral carinae, and by the tuberculate process on each dorsal lateral margin of the eighth abdominal segment in male that is not flange-like in posterior margin.

Description. Generally elongate, tannish-brown species mostly devoid of setae. **Head.** Moderately elongate; occipital spines tannish-brown, slender, incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines, moderately elongate, two-thirds length of occipital spines, nearly reaching apices of frontal spines, porrect, base with thickened setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles moderately elongate, slightly longer than width of eye, dorsal margins

beset with downcurved setae. Antennae light-brown; scape barrel-shaped, one and one-half times as long as eye width; pedicel short, two-thirds length of scape; basiflagellomere elongate, eight to nine times length of scape, stout throughout much of length, clavate and infusate near apex; distiflagellomere dark infusate, two and one-half times length of scape, fusiform, distinctly wider beyond middle, truncate apically. Eyes large, narrow, D-shaped, anterior margin truncate at bases of antenniferous tubercles; maxillary plates obscured by setae; clypeus dark red-brown with thickened downcurved setae; bucculae broad, height one and one-third wider than width of eye, triseriate, lateral margins near bases with thickened downcurved setae, truncate near apical margin, apex terminated before apex of clypeus, contiguous apically, ventral margin curved in lateral view; rostrum light-brown, elongate, extending to middle of metasternum, apical fourth of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc one and one-half to two times diameter of punctures; calli dark-brown, shining, margined with, thickened setae; pronotal hood only slightly elevated than disc, three areolae tall in lateral view, narrow, produced anteriorly covering bases of occipital spines, four areolae long, tumid posteriorly, with setae on posterior margin, dorsal margin rounded in lateral view; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, posterior margin carinate at humeral angles; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina, slightly shorter than lateral carinae on disc, the dorsal vein comprising more than one-half of median carina height, median carina distinctly more elevated than lateral carinae on posterior projection; lateral carinae slightly divergent posteriorly, infusate on posterior third;

areole of triangular posterior projection gradually increase in size near base, then abruptly larger towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, widest in base weakly directed mesally posteriorly; mesothoracic sternal laminae wider apart at base than prothoracic laminae, subparallel, weakly constricted near middle; metasternal laminae subparallel, constricted near middle, posterior margins incurved; metasternum flat, with minute pubescence. Legs brown; coxae dark-brown, short, globose, distal margins with dense minute pubescence; trochanters, subequal in length to coxae, with cream-colored wax; femora dark-brown, moderately elongate, stout, widest beyond middle, with whitish wax; tibiae slender, brown, dark-brown near apex, longer than length of femora and trochanters combined; basitarsi minute; distitarsi elongate, narrowly expanded near apex. Ostoliar peritremes lanceolate, elongate, two and one-half times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate on base, broader and briefly biseriate, near middle, uniseriate beyond middle to apex, areolae largest near middle, smaller near apex; costa light tannish-brown, slightly darker brown near middle and on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta light-brown, dark-brown near middle; subcostal area tan with brown band near middle, biseriate, subvertical, with minute pubescence surrounding areolae on basal half along discoidal cell; R+M vein brown, darker near middle, less abruptly elevated near base, sinusoidal; discoidal cell light-brown with dark-brown markings, midpoint at apex of triangular posterior projection, broad, each comprised of five to six rows of areolae at widest, areolae bordered by minute pubescence; each cubitus vein sinusoidal in posterior half, weakly raised, but

distinct; sutural areas brown, variegated with dark-brown, moderately large, nine to ten rows of areolae at widest, areolae slightly larger than those of apical margin of discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Dark-brown, ovate, widest near middle, covered with cream-colored wax and setae near sternal sutures, last abdominal segment in male with prominent triangular projection on each dorso-posterio-lateral margin, dorsal surface of projection with noticeable raised tumid denticulate process. Pygophore red-brown, covered with wax, broad, slightly narrower than preceding abdominal segment, ventral basal depressions deep, not extending vertically on lateral margins, dorsal posterior margin with a mesial depression; parameres dark-brown, lighter red-brown near apex, stout near base, slender near apex, curved, sinusoidal in lateral view, setose on postero-lateral margins.

Measurements. Male. (n = 3) Length: 4.51–(4.70); width at widest: 1.33–(1.41); Head: Scape: 0.18–(0.25); pedicel: 0.19–(0.21)0.22; basiflagellomere: 1.96–(2.28); distiflagellomere: 0.53–(0.63)0.65; interocular distance: 0.29(0.30)–31; Thorax: Thickness of thorax: 0.87–(0.89); width at humeral angles: 1.05–(1.10); length of pronotum in dorsal view: 1.85–(1.94); length of hemelytron: 3.22–(3.32); length of discoidal area: 1.53–(1.59); width of discoidal area: 0.38–(0.43); Abdomen: Length: 2.13–(2.16)2.19; length of pygophore: 0.51–(0.53); width of pygophore: 0.61–(0.72).

Type specimen. on *Spondias mombin* Linnaeus; a few macro-epiphytes on trunk, many lianas on crown.; PANAMA CANAL ZONE: Colon: Humid forest. Canopy fogging. 2-14 .vii.1979; E. Broadhead et al. B.M. 1979-125 (♂ NHMUK).

Geographic distribution. Panamá: Colón and Panamá provinces.

Ecology. Plant associations: Collected via insecticidal fogging of *Spondias mombin* Linnaeus [Anacardiaceae].

Material examined. Paratypes: Same data as paratype (1♂ NHMUK); PANAMA Panamá prov. Panamá City Parque National Metropolitano 8°59'40.4"N, 79°32'34.7"W canopy crain sample L. SEKERKA lgt. 11.x.2007 (1♂ NHMUK).

Teleonemia (Tapinonemia) n. sp. 20

Diagnosis. *Teleonemia (Tapinonemia) n. sp. 20* can be separated from all other species of *Tapinonemia* by a combination of the following characters; the general gray-brown color, by the basiflagellomeres that are not dilated near base, by the elongate rostrum reaching the posterior margin of the metasternum, by the dorsal margin of the pronotal hood broadly rounded in lateral view, by the setose pronotum that is setose over much or the area, by the uniseriate hypocostal and costal areas, but the subcostal area covered with wax, and by the dark black-brown legs.

Description. Generally elongate, tannish-brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines tan, slender, incurved, porrect, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines, short, one-half length of occipital spines, nearly reaching apices of frontal spines, porrect, base with thickened setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles moderately elongate, as long as eye width, dorsal margins beset with downcurved setae. Antennae brown; scape goblet

shaped, stoutest near base, tapering slightly towards apex, one and one-third as long as eye width, ventral margin densely setose; pedicel elongate, three-quarters length of scape; basiflagellomere elongate, eight to nine times length of scape, extremely slender throughout much of length, clavate and infusate near apex; distiflagellomere dark infusate, two and one-third times length of scape, fusiform, distinctly wider near middle, truncate apically. Eyes large, narrow, ovate, anterior margins noticeably truncate at bases of antenniferous tubercles, posterior margins appearing to have additional ommatidia breaking posterior outline. Maxillary plates obscured by setae; clypeus dark red-brown with thickened downcurved setae; bucculae broad, height one and one-half wider than width of eye, quadriseriate, lateral margins with thickened downcurved setae, truncate near apical margin, subparallel with clypeus contiguous apically, ventral margin curved in lateral view; rostrum light-brown, elongate, extending beyond middle of metasternum, apical third of apical segment infusate.

Thorax. Pronotal collar narrow, yellow-brown; pronotum punctate, punctures deep, obscured by wax, interpunctural distance at most elevated area of pronotal disc subequal to slightly wider than diameter of punctures; calli dark-brown, shining, margined with thickened setae; pronotal hood slightly lower than disc, three areolae tall in lateral view, narrow, produced anteriorly covering bases of occipital spines, four areolae long, tumid posteriorly, with setae on posterior margin, dorsal margin rounded in lateral view; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, posterior margin carinate at humeral angles; median carina extends to apex of pronotum; pronotal carinae uniseriate, low, areolae distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, the dorsal vein comprising more less than one-half of median carina height; lateral carinae slightly divergent posteriorly, infusate

on posterior third; areole of triangular posterior projection abruptly larger near base, gradually increase in size towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, mostly subparallel; mesothoracic sternal laminae wider apart at base than prothoracic laminae, subparallel, weakly constricted near middle; metasternal laminae weakly diverging posteriorly, posterior margin incurved; metasternum flat, with minute pubescence. Legs dark-brown; coxae, short, globose, distal margins with dense minute pubescence; trochanters, short, devoid of setae; femora dark-brown, moderately elongate, stout, widest beyond middle, with whitish wax; tibiae slender, brown, dark-brown near apex, longer than length of femora and trochanters combined; basitarsi minute; distitarsi elongate, extremely slender, narrowly expanded near apex. Ostoliar peritremes lanceolate, elongate, three times as long as wide, each nearly touching base of hypocostal area, dorsal lamina extremely thick and elongate. Hemelytra narrow, extending nearly one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate throughout, broader near middle, areolae bordered by minute pubescence near base, largest near middle, smaller near apex; costa light tan on basal third, darker brown near middle towards apex; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal area, margined with minute pubescence; subcosta light-brown, dark-brown near middle; subcostal area tan with brown band near middle, biseriate, subvertical, with minute pubescence surrounding areolae along discoidal cell; R+M vein brown, darker near middle, sinusoidal; discoidal cell light-brown, near base, dark-brown beyond basal third, midpoint at apex of triangular posterior projection, broad, each comprised of five to six rows of areolae at widest, areolae margined with minute pubescence; each cubitus vein weakly sinusoidal; sutural areas brown near base, variegated bronze,

moderately large, nine rows of areolae at widest, areolae slightly larger than those of apical margin of discoidal area, gradually increase in size towards apex. Metathoracic wings brown, extending halfway between apices of abdomen and hemelytra.

Abdomen. Red brown, ovate, widest near middle, covered with whitish wax and setae near sternal sutures, eighth paratergites weakly depressed on basal area, mostly flat, obscured by minute pubescence or wax near ventral and dorsal margins; ninth paratergites stout, with minute depression in base, uniformly rounded beyond, excavate on apical third, there densely setose.

Measurements. Male. (n = 1) Length: (4.98); width at widest: (1.70); Head: Scape: (0.26); pedicel: (0.17); basiflagellomere: (2.06); distiflagellomere: (0.57); interocular distance: (0.29); Thorax: Thickness of thorax: (0.98); width at humeral angles: (1.15); length of pronotum in dorsal view: (2.06); length of hemelytron: (3.54); length of discoidal area: (1.77); width of discoidal area: (0.49); Abdomen: Length: (2.37); length of pygophore: (0.79); width of pygophore: (0.9600).

Type specimen. ECUADOR: Sucumbios, Sacha Lodge, 0.5°S, 76.5°W, 23.IV.-4V.1994, 270m P. Hibbs, malaise trap; CNC 1188789 (♂ CNC)

Geographic distribution. Known only from the type locality in Sucumbios province Ecuador.

Ecology. Plant associations: None recorded..

Teleonemia (Tapinonemia) n. sp. 23

Diagnosis. *Teleonemia (Tapinonemia)* n. sp. 23 can be separated from all other species by a combination of the following characters, its smaller size (4.83), its lighter brown color, the distiflagellomeres that are concolorous with basiflagellomeres, the rostrum extending to posterior margin of the metasternum, by the low pronotal hood, by the anterior margin of propleuron visible in dorsal view, by the median carina lighter in color than lateral carina, by the uniseriate hypocostal and costal areas of the hemelytra, by the one or two infusate areolae of the costal area beyond discoidal area, and by the sutural areas of the hemelytra with several hyaline areolae.

Description. Generally elongate, slender, variegated brown species with cream-colored setae. **Head.** Moderately elongate; occipital spines brown, slender, subparallel adpressed to head, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines elongate, surpassing apices of frontal spines, resting above and between frontal spines, porrect, two-thirds length of occipital spines, base with thickened, downcurved setae; paired frontal spines erect, produced anteriorly beyond clypeus, subparallel, two-thirds length of medial spine; antenniferous tubercles moderately elongate, as long as width of eye, dorsal-mesal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, one and one-third as long as eye width; pedicel short, two-thirds length of scape, with stout, curved brown setae; basiflagellomere with thick brown setae, seven times length of scape, uniform in width throughout much of length, weakly calvae near apex; distiflagellomere concolorous with basiflagellomere, one and one-half times length of scape, elongate blunt club, truncate apically. Eyes large, narrow, D-shaped, anterior margin weakly notched near base of antenniferous tubercle. Maxillary plates obscured by downcurved setae; clypeus dark red-brown with thick

downcurved setae; bucculae broad, height one and one-third more elevated than width of eye, triseriate, lateral margins near base with thickened downcurved setae, apical margin produced anteriorly beyond clypeus contiguous apically, ventral margin curved in lateral view. Rostrum brown, elongate, extending to posterior margin of metasternum, apical fourth of apical segment infusate.

Thorax. Pronotal collar extremely narrow, brown; pronotum punctate, punctures deep, ovate, interpunctural distance at most elevated area of pronotal disc one to one and one-half times diameter of punctures; calli dark-brown, shining, margined with dense downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad, roof-like, not produced anteriorly, five areolae long, not tumid posteriorly, with curved setae on posterior margin, median carina extends to apex of pronotum; paranota narrow, slender, adpressed to lateral margins of pronotum, biseriate opposite calli, basal row extremely small, explanate, lateral row much larger, posterior margin uniseriate to carinate at humeral angles; pronotal carinae uniseriate, low, areolae extremely small, distinctly elevated from pronotal disc, median carina, subequal in height to lateral carinae, slightly thicker on posterior projection; lateral carinae slightly sinusoidal beyond disc, divergent posteriorly, thicker in base and apex; areole of triangular posterior projection abruptly larger after disc and gradually increase in size towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, widening near middle; mesothoracic sternal laminae wider apart at base than prothoracic laminae, weakly constricted near middle, mostly subparallel; metasternal laminae, mostly subparallel, weakly constricted before middle; metasternum concave, with minute pubescence. Legs brown; coxae dark-brown, moderately elongate, rounded, distal margins with

dense thickened setae; trochanters, subequal in length to coxae, with minute pubescence; femora, moderately elongate, widest beyond middle, with yellow setae; tibiae slender, light-brown, dark-brown near apex, subequal to length of femora and trochanters combined; basitarsi dark infusate, minute; distitarsi concolorous with basitarsi, elongate, weakly expanded laterally near apex. Ostoliar peritremes lanceolate, elongate, nearly three times as long as wide, each nearly touching base of hypocostal area. Hemelytra narrow, extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae margined with a few slender setae, smaller near base, becoming larger near middle; costa tannish-brown, fuscous patch beyond discoidal cell and on apical fifth; costal area uniseriate, areolae hyaline, except fuscous patch beyond discoidal cell and band on apical eighth, much larger beyond apex of discoidal cell; subcosta brown; subcostal area brown, biseriate at widest beyond middle of discoidal area, subvertical, with setae surrounding areolae on basal fourth; R+M vein brown, sinusoidal; discoidal cell light-brown, to light-brown variegated with dark-brown, broad, midpoint near apex of triangular posterior projection, each comprised of six rows of areolae at widest; each cubitus vein mostly straight on half; sutural areas light-brown, with brown dark fuscous y-shaped mark, dark-brown along post cubitus, and on apical fourth, moderately large, seven rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apical third, abruptly larger beyond. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, with cream-colored wax and setae near sternal sutures; eighth paratergites depressed on basal area, with vertical furrow near middle, invaginate near apical third, there densely setose; each ninth paratergite stout, with

medial vertical ridge, bordered by furrows, excavate near proximal margins and on apical third, anterior margins setose.

Measurements. Female. (n = 1) Length: (4.83); width at widest: (1.36); Head: Scape: (0.28); pedicel: (0.18); basiflagellomere: (1.81); distiflagellomere: (0.53); interocular distance: (0.31); Thorax: Thickness of thorax: (0.85); width at humeral angles: (1.03); length of pronotum in dorsal view: (1.87); length of hemelytron: (3.37); length of discoidal area: (1.86); width of discoidal area: (0.42); Abdomen: Length: (2.33); length of female terminalia: (0.77); width of female terminalia: (0.89).

Type specimen. BOLIVIA, Dpto. Beni, Prov. Marbán, 0.8 km NW Puente Caimanes, 180 m. 15.158°S, 64.056°W, 10-III-2016, S. M. Clark; Brigham Young University Arthropod Collection BYUC128209 (♀ BYUC).

Geographic distribution. Known only from Puente Caimanes, Beni, Bolivia.

Ecology. Plant associations: None recorded..

Teleonemia Teleonemia Costa

Key to the species of *Teleonemia* (*Teleonemia*)

1. Median carina of pronotal hood extremely low, areolae absent near apex of disc..... 2
- Median carina distinctly areolate throughout entire length on disc..... 3
-

2. Distiflagellomeres clavate, distinctly wider than thickest portion of basiflagellomeres; no longer than 3.5mm *Teleonemia (Teleonemia) n. sp.* . 16
 - Distiflagellomeres slightly dilated laterally, nearly as wide as thickest portion of basiflagellomeres; longer than 3.7mm.....*Teleonemia (Teleonemia) rugosa* Champion
3. Rostrum extremely long, apex reaching onto base of abdomen 4
 - Rostrum shorter, not reaching onto base of abdomen, but may reach end of rostral canal 6
4. Costal area uniseriate throughout..... 5
 - Costal area partially biseriate beyond discoidal cell.....
..... *Teleonemia (Teleonemia) veneris* Drake
5. Medial spine erect; paranota dorsally reflexed, but not touching lateral sides of pronotum.....*Teleonemia (Teleonemia) adelphe* Drake & Maldonado
 - Medial spine porrect; paranota dorsally reflexed and adpressed to lateral sides of pronotum.....*Teleonemia (Teleonemia) ochracea* Champion
6. Mesosternal rostral laminae strongly incurved on, there much narrower than apical margin 7
 - Mesosternal rostral laminae subparallel to widening throughout length, posterior width never narrower than apical margin 10
7. Pronotum extremely setose, areolae filled with thickened setae at least on pronotal collar and triangular posterior projection..... 8
 - Pronotum not extremely setose, most areolae devoid of setae or with few scattered slender setae 9
 -

8. Pronotal carinae low, not more elevated than height of occipital spines.....
.....*Teleonemia (Teleonemia) multimaculata* Monte
- Pronotal carinae tall, as tall or more elevated than height of occipital spines
.....*Teleonemia (Teleonemia) angustata* Monte
9. Ventral surface dark black-brown; punctures of pronotal disc gradually increase in
size near base of posterior projection.....*Teleonemia (Teleonemia) luctuosa* (Stål)
- Ventral surface red-brown; punctures of pronotal disc abruptly increase in size near
base of posterior projection.....*Teleonemia (Teleonemia) abdita* Drake
10. Each subcostal area of hemelytra with two rows of areole opposite discoidal cell.... 11
- Each subcostal area of hemelytra with one row of areolae throughout 20
11. Basiflagellomeres extremely elongate, more than six times as long as scapes 12
- Basiflagellomeres shorter, not more than five times longer than length of scape 13
12. Areolae of costal area beyond discoidal cell slightly larger than those on basal third ...
.....*Teleonemia (Teleonemia) bahiana* Drake
- Areolae of costal area beyond discoidal cell three or four times larger than those on
basal third.....*Teleonemia (Teleonemia) vulsa* Drake & Hambleton
13. Anterior and posterior veins of all areolae in costal areas infusate, contrasting with
variegated costa..... 14
- Anterior and posterior veins of some areolae in costal areas infusate, but middle of
costal areas beyond discoidal areas tan and not infusate
.....*Teleonemia (Teleonemia) pilicornis* Champion
14. Several areolae infusate on costal areas before apical infusate areas..... 15
- Areolae of costal area if infusate, only near extreme apex 16

15. Calli covered with cream-colored wax; pronotum dark black, shining, mostly devoid of setae except near pronotal collar
..... *Teleonemia (Teleonemia) prunellae* Drake & Hambleton
- Calli mostly devoid of wax; pronotum may be dark, but not shining, usually covered with setae *Teleonemia (Teleonemia) n. sp.* 38
16. R+M and cubitus veins with curved setae directed into discoidal areas; Female gonocoxae without elongate tubercles *Teleonemia (Teleonemia) schwarzi* Drake
- R+M and cubitus veins without curved setae; Female gonocoxae usually with elongate tubercles..... 17
17. Each discoidal cell of hemelytra variegated in color or with several infusate maculation..... 18
- Each discoidal cell unicolorous, or at most with one darker colored vein, without distinct maculation 19
18. Length 3.5 to over 4mm; basiflagellomeres short (); restricted to California
..... *Teleonemia (Teleonemia) monile* Van Duzee
- Length smaller, not greater than 3.4 mm; basiflagellomeres slightly longer; southern and central United States south to northern Central America.....
..... *Teleonemia (Teleonemia) nigrina* Champion

19. Wide species; distiflagellomere nearly half or more as long as basiflagellomere;
female gonocoxae tubercles stout, never extending beyond apex of abdomen
.....*Teleonemia (Teleonemia) motivaga* Drake
- Narrower species; distiflagellomeres about one-third the length of basiflagellomeres;
female gonocoxae tubercles elongate, nearly reaching apex of abdomen ...*Teleonemia
(Teleonemia) vidua* Van Duzee
20. Costa variegated light and dark-brown opposite and beyond discoidal area, may be
unicolorous or infuscate near apical third..... 21
- Costa not variegated, either unicolorous, dark near middle or lighter in color
throughout much or length and infuscate on apical fourth 23
21. Restricted to southeastern United States..... *Teleonemia (Teleonemia) belfragii* Stål
- Species only found on Caribbean islands 22
22. General color testaceous; basiflagellomeres subequal in width to pedicels, densely
pilose; femora smooth..... *Teleonemia (Teleonemia) sacchari* (Fabricius)
- General color tawny yellow; basiflagellomeres slender, distinctly narrower than
scapes; femora granulose *Teleonemia (Teleonemia) sidae* (Fabricius)
23. Discoidal cell with curved whitish setae.....*Teleonemia (Teleonemia) scrupulosa* Stål
- Discoidal cell glabrous, without whitish setae..... 24
24. Discoidal cell unicolorous..... 25
- Discoidal cell not unicolorous 33
25. Lighter tawny colored species*Teleonemia (Teleonemia) n. sp.* 24
- Darker testaceous to black colored species..... 26

26. Uniformly dark-brown species; pronotal hood mostly concolorous with pronotum; calli mostly devoid of setae.....*Teleonemia (Teleonemia) aterrима* (Stål)
- Species not uniformly dark-brown pronotal hood, paranota carinae and costa may be lighter in color; pronotal calli with or without setae..... 27
27. Insects longer than 5.2 mm 28
- Insects not longer than 5.2 mm 31
28. Pronotal hood unicolorous with pronotal disc; mostly devoid of setae
-*Teleonemia (Teleonemia) boliviana* Drake
- Pronotal hood lighter in color than pronotal disc; or if unicolorous then extremely setose..... 29
29. Distiflagellomeres distinctly longer than one-third the length of basiflagellomeres .. 30
- Distiflagellomeres roughly one-third the length of basiflagellomeres
-*Teleonemia (Teleonemia) molinae* Drake
30. Pronotal disc usually densely covered with ashen setae; costal area uniseriate throughout.....*Teleonemia (Teleonemia) funerea* Costa
- Pronotal disc mostly devoid of setae; costal area biseriate beyond discoidal cell.....
-*Teleonemia (Teleonemia) mera* Drake & Hambleton
31. Pronotal hood, pronotal collar and base of paranota reddish, contrasting with black pronotum and hemelytra; call covered with cream-colored wax.....
-*Teleonemia (Teleonemia) atrata* Champion
- Pronotal hood, pronotal collar and base of paranota may be orange to black, not distinctly contrasting with black pronotum and hemelytra; calli devoid of wax..... 32

32. Pronotal hood evenly curved from median carina of pronotal disc; costal area narrow, subequal in width to width of costa *Teleonemia (Teleonemia) prolixa* (Stål)
- Pronotal hood with a raised hump near base in lateral view; costal area broader, distinctly three to four time wider than costa beyond discoidal cell
.....*Teleonemia (Teleonemia) atilis* Drake & Hambleton
33. Discoidal area lighter in color near base, then darker near middle with a transverse fuscous band or infusate towards apex..... 34
- Discoidal area may be lighter in color near base, but not with a distinct transverse darkened band 46
34. Species restricted to Caribbean islands..... 35
- Species restricted to continental Americas 36
35. Anterior margin of prothorax distinctly angled ventrad; Trinidad
.....*Teleonemia (Teleonemia) harleyi* Froeschner
- Anterior margin of prothorax not distinctly angled ventrad; Grenada
.....*Teleonemia (Teleonemia) n. sp.* 33
36. Species restricted to Mexico and Central America..... 37
- Species restricted to South America 38
37. Medial spine erect, moderately long; discoidal cell lighter in color on basal third to half*Teleonemia (Teleonemia) bifasciata* Champion
- Medial spine stout, porrect; discoidal cell lighter in color only on basal fourth or less .
.....*Teleonemia (Teleonemia) notata* Champion

38. Each posterolateral corner of 8 th abdominal segment of male expanded laterally into a spinose triangular projection; Ecuador	<i>Teleonemia (Teleonemia)</i> n. sp. 37
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39. Species distributed on western side of Andes	40
- Species distributed on eastern side of Andes	41
40. Apex of rostrum nearly reaching base of abdomen .	<i>Teleonemia (Teleonemia)</i> n. sp. 28
- Apex of rostrum nearly reaching middle of metasternum	36
41. Species not longer than 3.6mm	<i>Teleonemia (Teleonemia) vulgata</i> Drake & Hambleton
- Species 3.6mm or longer.....	42
42. Medial spine porrect, elongate, surpassing bases of paired frontal spines in dorsal view.....	<i>Teleonemia (Teleonemia)</i> n. sp. 34
- Medial spine porrect to erect, typically short, not usually surpassing bases of paired frontal spines in dorsal view	43
43. Eastern foothills of Andes.....	44
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44. Ostiolar peritremes ovate, ear shaped	<i>Teleonemia (Teleonemia)</i> n. sp. 35
- Ostiolar peritremes narrow near ventral margins; tear shaped	32

45. Paired frontal spines short, subequal in length to medial spine, their apices not touching.....*Teleonemia (Teleonemia)* n. sp. 31
- Paired frontal spines elongate, as long or longer than medial spine, their apices may touch.....*Teleonemia (Teleonemia)* n. sp. 25
46. Small species, no longer than 4 mm; restricted to South America
-*Teleonemia (Teleonemia)* n. sp. 30
- Larger species, greater than 4.1 mm; species restricted to Central America 47
47. Pronotum densely covered with silvery or golden pubescence; subcostal areas of hemelytra distinctly pubescent....*Teleonemia (Teleonemia) inops* Drake & Hambleton
- Pronotum not densely setose, but with short golden setae; subcostal areas of hemelytra not distinctly setose*Teleonemia (Teleonemia)* n. sp. 17

***Teleonemia (Teleonemia) abdita* Drake 1939**

Teleonemia abdita Drake 1939a: 527 (n. sp.) [Brazil]; Monte 1941b: 133 (cat.); Drake & Ruhoff, 1965: 370 (cat.).

Diagnosis. *Teleonemia (Teleonemia) abdita* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color red-brown variegated with dark red-brown, medial spine porrect, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae strongly incurved posteriorly, there much narrower than apical margin, metasternal laminae subparallel, not wider apart in posterior margin, pronotum not densely setose throughout, pronotal carinae more elevated than thickness of occipital spines, median carina areolate on disc, paranota reflexed vertically, adpressed against

lateral sides of pronotum, costal areas of hemelytra uniseriate, light-brown, variegated with infusate markings.

Measurements. Not recorded in this study.

Type specimen. Rio Ja-neiro; HOLOTYPE By C. J. Drake *Teleonemia abdita*; Typus; *Teleonemia abdita* Drake; NHRS-GULI 000075724 (♂ NHRS). Photograph of specimen examined.

Comments. This species is extremely similar to *Teleonemia luctouosa* Stål, and may prove to be a synonym.

Geographic distribution. Brazil: Rio de Janeiro.

Ecology. Plant associations: None recorded..

Etymology. *abdita* (F), hidden. Presumably named as if the type series was hiding among specimens of a related species.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) adelphe* Drake & Maldonado 1965**

Teleonemia adelphe Drake & Maldonado 1965: 317 (n. sp.) [Haiti]; Perez-Gelabert 2008: 184 (checklist).

Diagnosis. *Teleonemia (Teleonemia) adelphe* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color light-brown, variegated with dark-brown, medial spine erect, rostrum extending to second abdominal

segment, pronotal hood broad, narrow posteriorly, apical margin raised, median carina areolate on disc, paranota reflexed vertically, not adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate.

Measurements. Not taken in this study.

Type specimen. Haiti: Kenscof, 1-6 Aug. 1961, J. Maldonado C.; Holotype *Teleonemia adelphe* D & H; C J Drake Coll. 1956; USNMMENT 00866653 (♂ USNM). Specimen examined.

Geographic distribution. Haiti.

Ecology. Plant associations: None recorded..

Etymology. *adelphe* (F), sister. Drake & Maldonado (1965) did not explain the derivation of the name, but *Teleonemia ochracea* Champion is mentioned in their diagnosis. The name may have been chosen to suggest the similarity of *T. adelphae* and *T. ochracea*

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) atilis* Drake & Hambleton 1944**

Teleonemia atilis Drake & Hambleton 1944: 122 (n. sp.) [Bolivia]; Drake & Ruhoff, 1965: 371 (cat.).

Diagnosis. *Teleonemia (Teleonemia) atilis* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than 5.2mm, dark black species, occasionally lighter brown, always margined with lighter tan or yellow, pronotal hood not contrasting in color with disc, pronotal hood with a raised hump near base in lateral view, median carina areolate, rostrum extending to posterior margin of mesosternum, costal

areas yellowish, infuscate near apex, broad, costal areas three to four times as wide as the width of costa, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae, each dorsal lateral margin of eighth abdominal segment in male without lateral triangular projection.

Measurements. Not taken in this study.

Type specimen. Las Juntas, Bolivia. Steinbach, Coll.; Dec. 1913; Holotype *Teleonemia altilis* D. & H.; C J Drake Coll. 1956; USNMENT 00866654 (♂ USNM). Specimen examined.

Comments. This species is extremely similar to *T. prolixa*, but readily separated by the wider costal areas and lack of spines on the eighth abdominal segment in male.

Geographic distribution. Bolivia: possibly Santa Cruz department.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) angustata* Monte 1943**

Teleonemia angustata Monte 1943: 268 (n. sp.) [Brazil]. Drake & Ruhoff, 1965: 371 (cat.).

Diagnosis. *Teleonemia (Teleonemia) angustata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color light-brown, variegated with dark-brown, medial spine porrect, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae strongly incurved on, there much narrower than apical margin, pronotum densely setose throughout, pronotal carinae tall, as tall or more elevated than height of occipital spines, median carina areolate on disc, paranota reflexed vertically, adpressed

against lateral sides of pronotum, costal areas of hemelytra uniseriate, light-brown, variegated with infusate markings.

Measurements. Not taken in this study.

Type specimen. Typus; B. Horizonte Minas-Brazil Oscar Monte; ♂; *Teleonemia angustata* Monte, Det. Oscar Monte; 929;MNRJ-ENT3-269; (♂ MNRJ). Photograph of Specimen examined.

Comments. The type specimen was destroyed in a fire that burned the National museum of natural history in September 2018.

Geographic distribution. Brazil. Known only from the type locality Belo Horizonte, Minas Gerais, Brazil.

Ecology. Plant associations: None recorded..

Material examined. Specimens of this species were not encountered during the present study.

***Teleonemia (Teleonemia) aterrima* Stål 1873**

Teleonemia aterrima Stål 1873: 131 (n. sp.) [Colombia]; Champion 1898b: 62 (note) [Brazil];

Drake 1922: 356 (note) [Peru], 1930a: 25 (note); Drake & Poor 1937: 303 (note); Drake & Hambleton 1938b: 52 (note); Monte 1941b: 134 (cat.); Blöte 1945: 89 (cat.); Silva 1956: 51 (cat.); Drake & Ruhoff, 1965: 371 (cat.).

Diagnosis. *Teleonemia (Teleonemia) aterrima* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 5.2mm, dark-brown species, rostrum extending to posterior margin of mesosternum, pronotal hood

concolorous with dark-brown disc, calli devoid of wax, median carina areolate, costal areas dark-brown, darker infusate near apex, narrow, costal areas twice as wide as costal veins, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Measurements. Male. (n =1) Length: 5.46–5.66; width at widest: 1.73–1.78; Head: Scape: 0.22–0.25; pedicel: 0.17–0.18; basiflagellomere: 1.51–1.64; distiflagellomere: 0.81–0.87; interocular distance: 0.27–0.34; Thorax: Thickness of thorax: 1.01–1.03; width at humeral angles: 1.27–1.29; length of pronotum in dorsal view: 2.15–2.30; length of hemelytron: 4.12–4.16; length of discoidal area: 1.91–1.98; width of discoidal area: 0.45–0.51; Abdomen: Length: 2.40–2.56; length of pygophore: 0.58–0.61; width of pygophore: 0.74–0.87. Female. (n =1) Length: 5.88; width at widest: 1.65 Head: Scape: 0.26; pedicel: 0.20; basiflagellomere: 1.68; distiflagellomere: 0.80; interocular distance: 0.34; Thorax: Thickness of thorax: 1.19; width at humeral angles: 1.34; length of pronotum in dorsal view: 2.305; length of hemelytron: 4.32; length of discoidal area: 2.00; width of discoidal area: 0.54; Abdomen: Length: 2.55; length of female terminalia: 0.72; width of female terminalia: 0.96.

Type specimen. Bogota; *Lindig*; *aterrima* Stål; Typus; NHRS-GULI 000075723 (♂ NHRS). Herein designated as lectotype. Photograph of specimen examined.

Comments. The specimen from Rio San Miguel, Colombia was possibly collected in Ecuador, as the river serves as part of the geopolitical boundary between Ecuador and Colombia.

Geographic distribution. Brazil, Colombia, and Peru.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) atrata* Champion 1898a**

Teleonemia atrata Champion 1898a: 38 (n. sp.) [Panama]; Osborn & Drake 1915: 536 (note) [Guatemala]; Hurd 1946: 448 (cat.) [Brazil]; Drake & Ruhoff, 1965: 372 (cat.); Froeschner 1999: 269 (cat.).

Diagnosis. *Teleonemia (Teleonemia) atrata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than 5.2mm, dark black-brown species, rostrum extending to posterior margin of mesosternum, pronotal hood lighter orange-brown contrasting with black disc, calli covered with cream-colored wax, median carina areolate, costal areas dark-brown, darker infusate near apex, broad, costal areas subequal in width to width of costa, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Measurements. Female. (n=1) Length: (4.9), width at widest: (1.35); Head: Scape: (0.30), pedicel: (0.20), basiflagellomere: (1.10), distiflagellomere: (0.60).

Type specimen. Holo-type; Type; Bugaba, Panama Champion.; B. C. A. Rhyn. II. *Teleonemia atrata* Ch.; Sp. figured; ♀; NHMUK 011253972 (♀ NHMUK). Specimen examined.

Comments. Champion (1898a) clearly stated he had one female example, as such the type mentioned above is a holotype.

Geographic distribution. Brazil, Costa Rica, Guatemala, and Panama.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) bahiana* Drake 1942**

Teleonemia bahiana Drake 1942a: 1 (n. sp.) [Brazil]; Drake 1947: 1 (note); Silva 1956: 51(cat.);
Drake & Ruhoff, 1965: 372 (cat.).

Diagnosis. *Teleonemia (Teleonemia) bahiana* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color mostly unicolorous dark-brown, pronotal hood contrastingly light orange, medial spine erect, basiflagellomeres more than five times length of scape, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae slightly widening throughout, median carina areolate on disc, paranota reflexed vertically, adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate, areolae mostly uniform in size or slightly larger beyond discoidal area, subcostal areas biseriate.

Measurements. Not taken in this study.

Type specimen. Bahia, Brazil 193, G. Bondar; 1484; HOLOTYPE By C. J. Drake *Teleonemia bahiana*; C J Drake Coll. 1956; USNMENT 00866655 (♀ USNM). Specimen examined.

Geographic distribution. Brazil: Bahia.

Ecology. Plant associations: unrecorded.

Etymology. Named for the state of Bahia, Brazil.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) belfragii* Stål 1873**

Teleonemia belfragii Stål 1873: 132 (n. sp.) [TX]; Champion 1898a: 62 (cat.); Van Duzee 1909: 173 [FL]; Drake 1926: 376 (note); Hurd 1946: 448 (cat.); Drake & Ruhoff, 1965: 372 (cat.); Froeschner 1988:731 (cat.).

Teleonemia belfragei [sic]: Lethierry & Severin 1896: 22; Drake 1918: 331 [*Callicarpa americana*]; Blatchley 1926: 490.

Telconemia belfragei [sic]: Barber 1914: 507.

Diagnosis. *Teleonemia (Teleonemia) belfragii* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color light tawny brown, variegated with brown, rostrum reaching posterior margin of mesosternum, pronotal disc densely covered with stout short setae, median carina areolate, mesosternal laminae subparallel, costal veins variegated light and dark-brown opposite and beyond discoidal area, infusate near apical third, subcostal areas uniseriate.

Measurements. Male. (n =2) Length: 3.16–3.21; width at widest: 0.88–0.96; Head: Scape: 0.13–0.14; pedicel: 0.11–0.13; basiflagellomere: 0.85–0.86; distiflagellomere: 0.30; interocular distance: 0.27; Thorax: Thickness of thorax: 0.65–0.66; width at humeral angles: 0.79–0.85; length of pronotum in dorsal view: 1.43–1.50; length of hemelytron: 2.16–2.22; length of discoidal area: 1.15–1.25; width of discoidal area: 0.27–0.30; Abdomen: Length: 1.36–1.44; length of pygophore: 0.32–0.38; width of pygophore: 0.46–0.49. Female. (n = 2) Length: 3.30–3.64; width at widest: 1.01–1.16; Head: Scape: 0.14; pedicel: 0.13–0.15; basiflagellomere: 0.76–0.90; distiflagellomere: 0.28–0.29; interocular distance: 0.29–0.32; Thorax: Thickness of thorax: 0.70–0.83; width at humeral angles: 0.86–0.99; length of pronotum in dorsal view: 1.53–

1.73; length of hemelytron: 2.30–2.52; length of discoidal area: 1.26–1.35; width of discoidal area: 0.31–0.35; Abdomen: Length: 1.43–1.55; length of female terminalia: 0.67–0.70; width of female terminalia: 0.64–0.73.

Type specimen. Texas; Belfrage; Typus; belfragi Stål; NHRS-GULI 000075725 (♀ NHRS). Herein designated as Lectotype. Photograph of specimen examined.

Comments. Stål (1873) did not mention how many female specimens he had examined.

Geographic distribution. USA: AL, FL, MS, TX.

Ecology. Plant associations: *Callicarpa americana* Linnaeus [Lamiaceae].

Etymology. Named in honor of Gustaf W. Belfrage, who collected many specimens from Texas for entomologists in Sweden and around the world (Orbeck 1987).

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) bifasciata* Champion 1898a**

Teleonemia bifasciata Champion 1898a: 38 (n. sp.) [Guatemala]; Drake & Hambleton 1940: 534 (note) [probably mis.det.]; Hurd 1946: 448 (cat.) [*Lantana*]; Drake & Ruhoff 1965: 373; Froeschner 1999: 269 (cat.); Maes & Knudson 2016: 48 (cat.) [Nicaragua].

Diagnosis. *Teleonemia (Teleonemia) bifasciata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters: general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine erect, rostrum reaching posterior margin of mesosternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate,

dorsal vein extremely thick, comprising one-half height of carina, mesosternal laminae subparallel, costal veins tannish-brown, but infusate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal cell with transverse infusate band, lighter in color on basal third to half.

Measurements Male. (n =2) Length: 4.02–4.94; width at widest: 1.19–1.24; Head: Scape: 0.18–0.19; pedicel: 0.15–0.18; basiflagellomere: 0.98–1.07; distiflagellomere: 0.45; interocular distance: 0.28–0.29; Thorax: Thickness of thorax: 0.95–1.01; width at humeral angles: 1.14–1.22; length of pronotum in dorsal view: 1.85–1.89; length of hemelytron: 2.54–2.69; length of discoidal area: 1.31–1.34; width of discoidal area: 0.35; Abdomen: Length: 1.82–1.88; length of pygophore: 0.57; width of pygophore: 0.57–0.58. Female. (n = 2) Length: 4.16–4.27; width at widest: 1.31–1.40; Head: Scape: 0.16–0.18; pedicel: 0.17–0.20; basiflagellomere: 0.96–1.03; distiflagellomere: 0.42–0.42; interocular distance: 0.28–0.31; Thorax: Thickness of thorax: 1.10–1.15; width at humeral angles: 1.27–1.36; length of pronotum in dorsal view: 1.98–2.04; length of hemelytron: 2.86–2.99; length of discoidal area: 1.38–1.47; width of discoidal area: 0.38–0.44; Abdomen: Length: 1.90–2.11; length of female terminalia: 0.62–0.72; width of female terminalia: 0.68–0.71.

Type specimen. Bugaba, Panama, Champion; B. C. A. Rhync. II, *Teleonemia bifaciata* Champion; NHMUK 011253973; LECTOTYPE *Teleonemia bifaciata* Champion Det. Knudson (♂ NHMUK). Herein designated as lectotype. Specimen examined.

Comments. Most records of this species outside of central America likely correspond to other species.

Geographic distribution. Costa Rica; Guatemala; Mexico, Nicaragua; Panama.

Ecology. Plant associations: *Lantana* sp. [Verbenaceae].

Etymology. Presumably, named for the two (*bi-*) fuscous (*-faciata*) bands across the hemelytra.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) boliviana* Drake 1939**

Teleonemia boliviana Drake 1939a: 528 (n. sp.) [Bolivia, Peru]; Drake & Ruhoff 1965: 373

(cat.)

Diagnosis. *Teleonemia (Teleonemia) boliviana* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 5.2mm, dark black-brown species, rostrum extending to beyond middle of mesosternum, pronotal hood concolorous with black disc, calli devoid of wax, median carina areolate, costal areas yellow, darker infuscate near apex, narrow, costal areas subequal in width to slightly wider than width of costa, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Measurements. Female. (n=1) Length: 5.66; width at widest: 1.50; Head: Scape: 0.21; pedicel: 0.18; basiflagellomere: 1.49; distiflagellomere: 0.73; interocular distance: 0.34; Thorax: Thickness of thorax: 1.19; width at humeral angles: 1.37; length of pronotum in dorsal view: 2.32; length of hemelytron: 4.08; length of discoidal area: 1.88; width of discoidal area: 0.46; Abdomen: Length: 2.81; length of female terminalia: 0.94; width of female terminalia: 0.88.

Type specimen. O. Garlepp.; S. Antonio Bolivia.; HOLOTYPE by C. J. Drake

Teleonemia boliviana; Typus; *Teleonemia boliviana* Drake Type; NHRS-GULI 000075726 (♂)

NHRS). Photograph of specimen examined.

Geographic distribution. Bolivia and Peru.

Ecology. Plant associations: unrecorded.

Etymology. Named for its distribution.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) elevata* (Fabricius 1803)**

Aradus elevatus Fabricius 1803: 120 (n. sp.).

Tingis (Tropidocheila) elevata: Stål 1868: 91.

Tingis elevata: Walker 1873: 181 (cat.)

Monanthia elevata: Walker 1873: 191 (cat.).

Teleonemia elevata: Stål 1872: 132 (cat.); Monte 1941b: 136 (cat.); Drake & Ruhoff 1965: 375

[Lectotype designation].

Diagnosis. *Teleonemia (Teleonemia) prolixa* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than 5.2mm, slightly variable in color, but usually dark black to testaceous brown species, occasionally lighter brown, always margined with lighter tan or yellow, pronotal hood not contrasting in color with disc, pronotal hood evenly curved or slanted from median carina of disc, median carina areolate,

rostrum extending to posterior margin of mesosternum, costal areas yellowish, infusate near apex, narrow, costal areas subequal in width to width of costa, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae, each dorsal lateral margin of eighth abdominal segment in male with lateral triangular projection.

Measurements. Not taken in this study.

Type specimen. Amer. Mer. Schmidt, Mus. Tond. Lund, *Aradus elevatus*, F. Fabr.; Lectotype *Teleonemia elevata* Fabr., VIII-6-1955, C. J. Drake; ZMUC 00 102558; Type (Female ZMUC). Photograph of specimen examined.

Comments. The specimens of *Teleonemia* examined and described by Fabricius came from the Sehestad/ Tønder Lund collection. Tønder Lund conscripted the assistance of doctors and statesmen stationed in the West Indies and Dutch Guyana to grow his collection (Henriksen 1921). One individual who provided material for Tønder Lund was Dom. Smidt [Fabricius' labels are spelled "Schmidt"] who was stationed on St. Croix and could have either been Adam Levin Smidt or Johan Christian Smidt (Henrikson 1921, Zimsen 1964). The specimen above bears the label Amer[ica] Mer[idionalis] Schmidt, Mus. Tond. Lund, *Aradus elevatus*, F. Fabr. Henrikson (1921) states that later acquisitions to the Tønder Lund collection came from the West Indies and Dutch Guyana. The two other Fabricius species bear similar labels except Insul[aris] instead of meridionalis, which means they were likely collected on an island in the Caribbean, most probably the Dutch West Indies. America Meridionalis likely signifies that the specimens were collected from the South American mainland, most probably what is present day Guyana.

Geographic distribution. South America.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) funerea* Costa 1864**

Teleonemia funerea Costa 1864: 145 (n. g. et. sp.); Stål 1873: 132; Monte 1941b: 137 (cat.);

Drake & Ruhoff 1960: 84 (cat.); Drake & Ruhoff 1965: 375(cat.);

Diagnosis. *Teleonemia (Teleonemia) funerea* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 6.5 mm, broad (2.0 mm), dark-brown species, distiflagellomeres longer than one-third length of basiflagellomeres, rostrum extending to posterior margin of mesosternum, pronotal hood lighter brown than dark-brown disc, calli margined with setae, disc covered with ashen setae, median carina areolate, costal areas dark-brown, but lighter than rest of hemelytra, darker infusate near apex, moderately broad, costal areas more than twice as wide as costal veins beyond discoidal areas, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Redescription. Uniformly dark-brown. **Head.** short, with five spines; occipital spines short, not surpassing midline of eye; medial spine porrect, with long ashen colored setae; paired frontal spines short, incurved, with long ashen setae. Eyes large, contributing to more than one-third volume of head. Antenniferous tubercles apically with ashen setae. Antennae with short addressed pilosity; scape, moderately elongate, two times length of eye width, barrel-shaped; pedicel narrower, two-thirds length of scape; basiflagellomere elongate, slender, moderately curved throughout length, at least five times length of scape; distiflagellomere elongate, two times length of scape; gradually expanded along length towards apex, each ending in an acuminate spine. Buccule continuous apically, not produced far apically beyond head, height

subequal to width of eye, biseriate to triseriate, covered with ashen setae. Rostrum lighter in color except apical segment, reaching meso-metathoracic suture.

Thorax. Pronotum coarsely punctate, obscured by ashen setae; calli covered with setae; pronotal hood slightly tumid, but appearing roof-like, lighter brown, median carina extending to near anterior margin of pronotal hood; carinae thicker than occipital spines, uniseriate, areolae slightly larger than punctures at apex of pronotum; lateral carinae subparallel, slightly widening posteriorly. Paranota reflexed vertically alongside, but not touching lateral margin of pronotum each comprised of two rows of areolae next to calli, but appearing uniseriate from lateral margin. Triangular posterior projection with fewer and shorter setae than most elevated area of pronotal disc. Prothoracic sternal laminae narrow, short; mesothoracic sternal laminae slightly wider, weakly crescentic-shaped, rostral groove deep on mesothorax; metathoracic sternal laminae wider than mesothoracic laminae, crescentic-shaped, angulate posteriorly; covered with dense ashen setae. Ostoliar peritreme elongate, produced vertically and outward from thorax. Metasternum covered with dense thick, ashen setae. Slightly convex. Coxae covered with ashen setae; femora more setose than tibiae and subequal in length, except metathoracic tibiae longer; basitarsi minute, globose; distitarsi elongate, curved, slightly expanded vertically; pretarsi sharply curved, with prominent basal tooth. Hemelytra elongate extending two-thirds length beyond abdomen, teardrop shaped; costal area explanate, uniseriate, with subequal areolae; subcostal area, subvertical, uniseriate, cells more elevated than wide; discoidal cell elongate, not quite reaching middle of hemelytra, obtusely triangular, with seven to eight rows of areolae; sutural areas elongate, wide, with ten or more rows of areolae, areolae similar in size to discoidal cell and gradually increase towards apex.

Abdomen. Dark-brown, each segment with a furrow lined with thick ashen setae. Eighth paratergites each with a basal depression near midline, then a raised process along lateral margin at about two-thirds from base. Ninth paratergites smooth, depressed at base with thick ashen setae, thenceforth with a flange along apical margin. Pygophore moderately robust, slightly narrower than preceding abdominal segment, with two basal depressions on ventral surface; parameres sickle shaped with slender elongate setae along dorsolateral margins.

Measurements. Male. (n =2) Length: 6.51–6.76; width at widest: 1.98–1.99; Head: Scape: 0.31–0.36; pedicel: 0.22–0.24; basiflagellomere: 2.38; distiflagellomere: 1.09; interocular distance: 0.36; Thorax: Thickness of thorax: 1.26–1.37; width at humeral angles: 1.51–1.62; length of pronotum in dorsal view: 2.65–2.79; length of hemelytron: 2.59–4.77; length of discoidal area: 2.32–2.51; width of discoidal area: 0.58–0.60; Abdomen: Length: 2.88–3.15; length of pygophore: 0.59–0.61; width of pygophore: 0.90–0.93. Female. (n = 2) Length: 6.30–6.83; width at widest: 1.95–2.07; Head: Scape: 0.27–0.30; pedicel: 0.21–0.22; basiflagellomere: 2.05–2.08; distiflagellomere: 0.90–1.06; interocular distance: 0.35–0.36; Thorax: Thickness of thorax: 1.24–1.41; width at humeral angles: 1.48–1.58; length of pronotum in dorsal view: 2.61–2.79; length of hemelytron: 4.04–4.88; length of discoidal area: 2.24–2.42; width of discoidal area: 0.60–0.63; Abdomen: Length: 2.81–3.07; length of female terminalia: 1.05; width of female terminalia: 1.02–1.20.

Type specimen. Drake & Hambleton (1938) suggested that the type specimen is probably lost (Naples Museum, Italy).

Comments. This species is the largest known in the genus at close to 7 mm, however the examined specimens are smaller than the measurements provided by Costa (1864). Additionally, even though one was previously identified by Drake as *Teleonemia aterrima* Stål, examination of

photographs of Stål's type show the specimen determined by Drake better agrees with Costa's (1864) description and figure.

Geographic distribution. Brazil; Ecuador; Peru.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) harleyi* Froeschner 1970**

Teleonemia harleyi Froeschner 1970: 470 (n. sp.) [Trinidad]; Harley & Kassulke 1973: 343 (note); Harley & Kassulke 1975: 225 (note).

Diagnosis. *Teleonemia (Teleonemia) harleyi* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color testaceous brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, rostrum reaching posterior margin of mesosternum, anterior margin of prothorax distinctly angled slightly ventrad, pronotal disc covered with setae, mesosternal laminae subparallel, femora smooth, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal cell with transverse infusate band.

Measurements. Female. (n=1) Length: 4.09; width at widest: 1.31; Head: Scape: 0.17; pedicel: 0.14; basiflagellomere: 1.03; distiflagellomere: 0.48; interocular distance: 0.48; Thorax: Thickness of thorax: 0.94; width at humeral angles: 1.20; length of pronotum in dorsal view:

1.93; length of hemelytron: 2.78; length of discoidal area: 1.40; width of discoidal area: 0.44; Abdomen: Length: 2.03; length of female terminalia: 0.92; width of female terminalia: 0.71.

Type specimen. TRINIDAD, WI, St. Augustine, Jan 10, 1969, KLS Harley; *Lantana camara*; HOLOTYPE *Teleonemia harleyi* Froeschner; USNMENT 00871180 (♀ USNM).

Specimen examined.

Comments. Froeschner (1970) clearly states in his publication that the holotype is male, but the description is based on a female, has no mention of male characters, and the specimen labeled “HOLOTYPE *Teleonemia harleyi* Froeschner; USNMENT 00871180” is a female specimen.

Geographic distribution. Trinidad.

Ecology. Plant associations: *Lantana camara* [Verbenaceae].

Etymology. Named in honor of K. L. S. Harley, who worked towards exploring biological control agents for the control of *Lantana camara* L. in Australia.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) inops* Drake & Hambleton 1944**

Teleonemia prolixa: Champion 1898a: 39, (Monograph) [misdet.].

Teleonemia inops Drake & Hambleton 1944: 122 (n. sp.) [Honduras]; Drake & Ruhoff 1965: 376 (cat.).

Teleonemia sandersi Drake & Hambleton 1944: 123 (sp. n.) [Panama]; Hurd 1946: 448 (cat.);
Drake & Ruhoff 1965: 382 (cat.); Froeschner 1999: 270 (cat.). [**New Synonymy**]

Diagnosis. *Teleonemia (Teleonemia) inops* is separated from all species of *T.* (*Teleonemia*) by a combination of the following characters: longer than 4mm, general color dark-brown, distiflagellomeres weakly clavate, medial spine elongate, porrect, pronotal disk densely setose, contrasting in color with disc, mesosternal laminae subparallel posteriorly, the mostly unicolorous light-brown costa, uniseriate costal and subcostal areas, subcostal areas with many stout downcurved setae along discoidal areas and into subcostal extensions, discoidal cell not unicolorous, dark on and anterior margins, usually without transverse infusate band, not setose, and by the ninth paratergites that are rounded on basal two-thirds and abruptly excavate and truncate on anterior margins.

Measurements. Male. (n =2) Length: 4.08–4.18; width at widest: 1.23–1.27; Head: Scape: 0.22–0.24; pedicel: 0.15; basiflagellomere: 0.98–1.09; distiflagellomere: 0.47–0.51; interocular distance: 0.31; Thorax: Thickness of thorax: 0.90–0.98; width at humeral angles: 1.108–1.14; length of pronotum in dorsal view: 1.86–1.91; length of hemelytron: 2.79–2.81; length of discoidal area: 1.42–1.47; width of discoidal area: 0.35–0.39; Abdomen: Length: 1.81–1.99; length of pygophore: 0.39–0.46; width of pygophore: 0.61–0.63. Female. (n = 2) Length: 4.61–5.08; width at widest: 1.37–1.51; Head: Scape: 0.18–0.20; pedicel: 0.14–0.19; basiflagellomere: 1.01–1.24; distiflagellomere: 0.52–0.61; interocular distance: 0.21–0.33; Thorax: Thickness of thorax: 1.05–1.06; width at humeral angles: 1.24; length of pronotum in dorsal view: 2.12–2.13; length of hemelytron: 3.25–3.31; length of discoidal area: 1.62–1.65; width of discoidal area: 0.43–0.47; Abdomen: Length: 2.13–2.25; length of female terminalia: 0.68–0.91; width of female terminalia: 0.80–0.89.

Type specimen. La Ceiba Honduras; Holotype *Teleonemia inops* D & H; C J Drake Coll. 1956; USNMMENT 00866662: (♀ USNM). Specimen examined.

Comments. *Teleonemia sandersi* does not differ from *T. inops* in any morphological characters. The only difference is that the holotype of *T. inops* has setae warn from the pronotum, but is nearly identical in every other respect to *T. sandersi*. I hereby synonymize *Teleonemia sandersi* with *Teleonemia inops* as *T. inops* appears first in the original publication and the color of examined specimens more often matches the type of *inops* (Drake & Hambleton, 1944).

Geographic distribution. Costa Rica: Heredia; Honduras: Olancho; Mexico: San Louis Potosi, Tamaulipas; Panama: Colce, Panama.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) luctuosa* (Stål 1858)**

Lacometopus luctuosus Stål 1858: 65 (n. sp.) [Brazil].

Tingis (Amaurosterphum) luctuosus: Stål 1868: 92.

Monanthia luctuosa: Walker 1873: 193 (cat.).

Teleonemia luctuosa: Stål 1873: 132; Champion 1898b: 62 (note); Drake 1935: 9 (note)

[Paraguay]; Drake & Poor 1937: 303 (note); Drake & Hambleton 1938b: 52 (note);

Monte 1941b: 138 (cat.); Drake & Ruhoff 1965: 377 (cat.).

Diagnosis. *Teleonemia (Teleonemia) luctuosa* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color dark red-brown variegated with dark red-brown, medial spine porrect, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae strongly incurved on, there much narrower than apical margin, metasternal laminae weakly diverging, wider apart in posterior margin, pronotum not densely setose throughout, pronotal carinae more elevated than height of occipital spines, median carina areolate on disc, paranota reflexed vertically, adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate, light-brown, variegated with infusate markings.

Measurements. Not taken in this study.

Type specimen. Brasil; F. Sahlb.; luctuosa Stål; Typus; NHRS-GULI 000075728 (♂ NHRS). Photograph of specimen examined.

Comments. Even though Stål (1858) did not state how many specimens he had, Drake & Ruhoff (1965) record the above specimen as a Holotype. Drake & Poor (1937) note that this species is not commonly encountered in collections. After examining material from over 50 museums, I have only seen one example from the USNM.

Geographic distribution. Brazil: Sao Paulo; Paraguay: Cordillera.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) mera* Drake & Hambleton 1942**

Teleonemia mera Drake & Hambleton 1942: 76 (n. sp.) [Brazil]; Drake & Ruhoff 1965: 378 (cat.).

Diagnosis. *Teleonemia (Teleonemia) mera* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length shorter than 6.5 mm, broad, nearly 2.0 mm wide, dark-brown species, distiflagellomeres longer than one-third length of basiflagellomeres, rostrum extending to basal margin of mesosternum, pronotal hood lighter red-brown than black-brown disc, calli margined with setae, disc mostly devoid of setae, median carina areolate, costal areas dark-brown, but lighter than rest of hemelytra, darker infusate near apex, moderately broad, costal areas more than twice as wide as costal veins beyond discoidal areas, biseriate beyond discoidal area, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Measurements. Not taken in this study.

Type specimen. Santarem Brazil, Acc. No. 2966; *Teleonemia mera* HOLOTYPE; C J Drake Coll. 1956; USNMENT 00866668 (♂ USNM). Specimen examined.

Comments. See *Teleonemia chapadiana* for an explanation of the type locality.

Geographic distribution. Brazil: Pará.

Ecology. Plant associations: None recorded..

Etymology. Mer- (L.): alone, bare. Possibly chosen for the body mostly devoid of setae.

***Teleonemia (Teleonemia) molinae* Drake 1942**

Teleonemia molinae Drake 1942b: 243 (n. sp.) [Paraguay]; Drake & Ruhoff 1965: 378 (cat.).

Diagnosis. *Teleonemia (Teleonemia) molinae* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 5.2 mm, broad (1.6 mm), dark-brown species, margined with orange, distiflagellomeres about one-third length of basiflagellomeres, rostrum extending to posterior margin of mesosternum, pronotal hood orange, contrasting with dark-brown disc, calli may be margined with setae, disc mostly devoid of setae, median carina areolate, costal areas orange, darker infusate near apex, moderately narrow, costal areas as wide as width of costal veins, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae.

Measurements. Male. (n =1) Length: 5.27; width at widest: 1.77; Head: Scape: 0.26; pedicel: 0.18; basiflagellomere: 1.47; distiflagellomere: 0.62; interocular distance: 0.36; Thorax: Thickness of thorax: 1.15; width at humeral angles: 1.42; length of pronotum in dorsal view: 2.30; length of hemelytron: 3.96; length of discoidal area: 2.07; width of discoidal area: 0.58; Abdomen: Length: 2.63; length of pygophore: 0.59; width of pygophore: 0.75. Female. (n = 2) Length: 5.23–5.67; width at widest: 1.65–1.66; Head: Scape: 0.26–0.29; pedicel: 0.19–0.23; basiflagellomere: 1.50–1.58; distiflagellomere: 0.62–0.65; interocular distance: 0.33–0.43; Thorax: Thickness of thorax: 1.20–1.22; width at humeral angles: 1.33–1.44; length of pronotum in dorsal view: 2.38–2.50; length of hemelytron: 3.69–4.02; length of discoidal area: 2.11–2.19; width of discoidal area: 0.55–0.58; Abdomen: Length: 2.46–2.64; length of female terminalia: 0.80–0.90; width of female terminalia: 1.11–1.14.

Type specimen. Paraguay, Horqueta, 1938, Alberto Schulze; HOLOTYPE by C. J. Drake *Teleonemia molinae*; C J Drake Coll. 1956; USNM 00866669 (♂ USNM)

Comments. several specimens from the type locality were examined, but were not part of the type series, likely due to misspelling of the collector's name.

Geographic distribution. Known only from Horqueta, Concepción, Paraguay.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) monile* Van Duzee 1918**

Teleonemia monile Van Duzee 1918: 279 (n. sp.) [CA]; Drake & Ruhoff 1965: 378 (cat.);

Froeschner 1988: 731 (cat.).

Diagnosis. *Teleonemia (Teleonemia) monile* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length greater than 3.5mm general color dark-brown, variegated with darker brown, basiflagellomeres less than four times as long as scapes (mm), distiflagellomeres subequal in width to basiflagellomeres, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae infuscate, contrasting with variegated costal veins, subcostal areas biseriate, R+M and cubitus veins without curved setae, each discoidal cell with several dark-brown infuscate markings, each ninth paratergite with an elongate curved tubercle.

Measurements. Male. (n = 2) Length: 4.1, width at widest: 1.29–1.36; Head: Scape: 0.14–0.16, pedicel: 0.17–0.18, basiflagellomere: 0.56–0.57, distiflagellomere: 0.32–0.33; interocular distance: 0.29–0.32; Thorax: Thickness of thorax: 0.82–0.83; width at humeral angles: 1.11–1.15; length of pronotum in dorsal view: 1.8–1.84; length of hemelytron: 2.96–3.09; length of discoidal area: 1.66–1.7; width of discoidal area: 0.43–0.44; Abdomen: Length: 1.88–

1.94; length of pygophore: 0.39–0.41; width of pygophore: 0.55–0.63. Female. (n =2) Length: 3.68–4.1, width at widest: 1.29–1.41; Head: Scape: 0.15–0.18, pedicel: 0.17–0.18, basiflagellomere: 0.48–0.57, distiflagellomere: 0.27–0.29; interocular distance: 0.30; Thorax: Thickness of thorax: 0.81–0.82; width at humeral angles: 1.08–1.11; length of pronotum in dorsal view: 1.66–1.76; length of hemelytron: 2.67–3.01; length of discoidal area: 1.54–1.73; width of discoidal area: 0.43–0.48; Abdomen: Length: 1.69–1.94; length of female terminalia: 0.61–0.69; width of female terminalia: 0.77–0.91.

Type specimen. Lundy, Cal, Wickham, 7-8000 ft, July 8-10; EPVanDuzee Collection; HOLOTYPE monile; TYPE Monile; California Academy of Sciences Type No. 1981 (♂ CASC). Photograph of specimen examined.

Comments. Nearly identical to *Teleonemia nigrina* Champion, but readily separated by the slightly wider size and the distiflagellomere which is subequal to equal in width to the basiflagellomere. In *T. nigrina*, the distiflagellomere is always wider than the basiflagellomere.

Geographic distribution. USA: CA.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) montivaga* Drake 1920**

Teleonemia montivaga Drake 1920: 52 (n. sp.) [California]; Hurd 1946: 448 (note) [*Penstemon*];

Drake & Ruhoff 1965: 378 (cat.); Froeschner 1988: 731 (cat.).

Diagnosis. *Teleonemia (Teleonemia) montivaga* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; width greater than (1 mm), general color uniformly dark-brown, or triangular posterior projection and base of discoidal areas slighter lighter infusate, distiflagellomeres about half the length of basiflagellomeres, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora stout, more than 1.5 times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae infusate, contrasting with variegated costal veins, subcostal areas biseriate, R+M and cubitus veins without curved setae, each discoidal cell mostly unicolorous, each ninth paratergite with an elongate tubercle that does not reach apex of abdomen in lateral view.

Measurements. Male. (n =2) Length: 3.11–3.51; width at widest: 1.01–1.09; Head: Scape: 0.14–0.18; pedicel: 0.17–0.20; basiflagellomere: 0.61–0.82; distiflagellomere: 0.34–0.39; interocular distance: 0.28–0.31; Thorax: Thickness of thorax: 0.75–0.77; width at humeral angles: 0.93–1.03; length of pronotum in dorsal view: 1.52–1.57; length of hemelytron: 2.14–2.33; length of discoidal area: 1.22–1.47; width of discoidal area: 0.28; Abdomen: Length: 1.46–1.74; length of pygophore: 0.43–0.47; width of pygophore: 0.51–0.61. Female. (n = 2) Length: 3.39–3.88; width at widest: 1.16–1.34; Head: Scape: 0.19–0.20; pedicel: 0.17–0.20; basiflagellomere: 0.59–0.62; distiflagellomere: 0.30–0.41; interocular distance: 0.30–0.32; Thorax: Thickness of thorax: 0.76–0.94; width at humeral angles: 1.02–1.18; length of pronotum in dorsal view: 1.59–1.80; length of hemelytron: 2.27–2.61; length of discoidal area: 1.43–1.51; width of discoidal area: 0.36–0.39; Abdomen: Length: 1.64–1.86; length of female terminalia: 0.63–0.69; width of female terminalia: 0.67–0.81.

Type specimen. Mt. Diablo, VII:15:18 Cal.; Col. by C. L. Hubbs; TYPE; *Teleonemia montivaga* HOLOTYPE By C. J. Drake; Fig. by Jansen # 7; C J Drake Coll. 1956; USNM 00866680 (♀ USNM). Specimen examined.

Geographic distribution. USA: AZ, CA, NM, UT.

Ecology. Plant associations: *Penstemon* sp. (Hurd 1946).

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) multimaculata* Monte 1940**

Teleonemia multimaculata Monte 1940: 298 (n. sp.) [Brazil]; Drake & Ruhoff 1965: 379 (cat.).

Teleonemia teretis Drake 1942b [imprint 1940]: 242 (n. sp.). [**New Synonymy**]

Teleonemia teres [unjustified emendation]: Drake & Ruhoff 1965: 385 (cat.)

Diagnosis. *Teleonemia (Teleonemia) multimaculata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color light-brown to dark red-brown, variegated with dark-brown, medial spine porrect, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae strongly incurved on, there much narrower than apical margin, pronotum densely setose throughout, pronotal carinae low, not more elevated than height of occipital spines, median carina areolate on disc, paranota reflexed vertically, adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate, light-brown, variegated with infusate markings.

Measurements. Male. (n=1) Length: 4.30; width at widest: 1.25; Head: Scape: 0.26; pedicel: 0.22; basiflagellomere: 0.99; distiflagellomere: 0.35; interocular distance: 0.32; Thorax:

Thickness of thorax: 0.86; width at humeral angles: 1.11; length of pronotum in dorsal view: 1.89; length of hemelytron: 2.99; length of discoidal area: 1.70; width of discoidal area: 0.48; Abdomen: Length: 2.16; length of pygophore: 0.48; width of pygophore: 0.69.

Type specimens. *Teleonemia multimaculata* Monte: S. Paulo Cordeiro 16-IV-1940, O. Monte. Col; 1363; ♀; Typus; *Teleonemia multimaculata* Monte Det. Oscar Monte; MNRJ-NET3-281 (♀ MNRJ). Photograph of specimen examined. *Teleonemia teretis* Drake: Female: Chapada Brazil, Acc. No. 2966; C J Drake Coll. 1956; *Teleonemia teretis* HOLOTYPE By C. J. Drake; USNMNT 00866691 (♀ UNSMNH). Specimen examined.

Comments. The type specimen of *T. multimaculata* was destroyed in a fire that burned the National Museum of Brazil on September 2, 2018. Despite the loss of the type, It was photographed. Marcus Guidoti has also kindly shared a photograph of a specimen of *T. multimaculata* determined by Monte that was housed in the National Museum of Brazil. These specimens are nearly identical to the type specimen of *T. teretis* Drake and only differ by the slightly less dense setae on the basiflagellomeres. I also cannot find any details in Drake's description that separate these two species. The specimen listed in appendix A.1 from Bolivia represents a new country record for this species and is intermediate between Drake's and Monte's material.

Monte's description for *T. multimaculata* was published in 1940 in the 11th volume of Arquivos do Instituto Biologico of São Paulo (Monte 1940). Drakes description of *T. teretis* was published in volume 44 of Revista Chilena de Historia Natural. Despite being listed as published in 1940, volume 44 was not published until 1942 (Martin & Jara 1988). Since the two species are identical, the width listed by Drake (1.3) and Monte (1.3) are identical, and Drakes publication is a later date; thus *T. teretis* Drake, must be placed in synonymy with *T. multimaculata* Monte.

Geographic distribution. Bolivia: Santa Cruz; Brazil: São Paulo.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for the multiple infusate markings of the hemelytra.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) nigrina* Champion 1898a**

Teleonemia nigrina Champion 1898a: (n. sp.) [Guatemala, Mexico, TX]; Uhler 1904: 362 [NM]; Barber 1906: 218 1922a: 17, 1922b:23; Van Duzee 1917: 221; Drake 1918: 324–325 [AR, AZ, GA, KS, MO, NC, SC, UT, *Adenostegia pilosa*, *Adenostegia filifolia*, *Helenium tenuifolium*, *Sphaeralcea angustifolia*, sugar beets, *Verbena*], 1938: 70; Blatchley 1926: 488; Hixson 1942: 605 [OK, snapdragon]; Froeschner 1944:669 (note) [MO, *Plantago aristata*]; Hurd 1946: 448 [*Eriogonum*]; Drake & Ruhoff 1965: 379 [IA]; Drew & Arnold 1977: 31 (checklist); Slater & Baranowski 1978: 113 (note); Froeschner 1988: 731 (cat.); Torres-Miller 2003: 9 [FL]; Wheeler 2010: 317–325 (note) [*Antirrhinum majus*, *Aureolaria pectinata*, *Glandularia bipinnatifida*, *G. canadensis*, *Maurandella antirrhiniflora*, *Mimulus* x *hybridus*, *Penstemon*, *Plantago lanceolata*, *P. wrightiana*, *Verbena bonariensis*, *V. brasilensis*, *V. rigida*, *V. stricta*].

Teleonemia elongata: Uhler 1886: 22 (nomen nudem). Smith 1910: 149; Van Duzee 1917: 222

Taleonemia elongata [sic]: Crevecceur 1905: 233 (Checklist).

Teleonemia huachucae Drake 1941: 140 (n. sp.); Drake & Ruhoff 1965: 376 (cat.). Froeschner 1988: 731 (cat.); Wheeler 2009: 762 (note) [*Trichostema arizonicum*]. [**New Synonymy**]

Diagnosis. *Teleonemia (Teleonemia) nigrina* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not greater than 3.4mm general color dark-brown, variegated with darker brown, basiflagellomeres less than five times as long as scapes (mm), rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae infusate, contrasting with variegated costal veins, subcostal areas biseriate, R+M and cubitus veins without curved setae, each discoidal area with several dark-brown infusate markings, female gonocoxae variable, each ninth paratergite with a raised bump that may be produced as an elongate curved tubercle.

Measurements. Male. (n=3) Length: 2.90–3.82, width at widest: 0.99–1.20; Head: Scape: 0.17–0.19, pedicel: 0.16–0.19, basiflagellomere: 0.55–0.77, distiflagellomere: 0.23–0.46, interocular distance: 0.27–0.31; Thorax: Thickness of thorax: 0.74–0.81, width at humeral angles: 0.91–1.07, length of pronotum in dorsal view: 1.43–1.78, length of hemelytron: 2.13–2.49, length of discoidal area: 1.11–1.44, width of discoidal area: 0.27–0.34; Abdomen: Length: 1.36–1.91, length of pygophore: 0.36–0.47, width of pygophore: 0.52–0.59. Female. (n=3) Length: 3.02–4.04, width at widest: 0.98–1.36; Head: Scape: 0.17–0.2, pedicel: 0.17–0.21, basiflagellomere: 0.50–0.71, distiflagellomere: 0.32–0.39, interocular distance: 0.27–0.32; Thorax: Thickness of thorax: 0.74–0.97, width at humeral angles: 0.88–1.17, length of pronotum in dorsal view: 1.46–1.87, length of hemelytron: 2.08–2.88, length of discoidal area: 1.16–1.63, width of discoidal area: 0.28–0.41; Abdomen: Length: 1.32–1.87, length of female terminalia: 0.60–0.75, width of female terminalia: 0.64–0.81.

Type specimen. Duenas, Guatemala, C. Champion.; B. C. A. Rhyn. II. *Teleonemia nigrina* Ch.; Sp. figured; NHMUK 011253983; LECTOTYPE *Teleonemia nigrina* Champion Det. Knudson (♂ NHMUK). Male specimen on the right side of the card herein designated as lectotype. Specimen examined.

Comments. After examination of over one thousand specimens of *Teleonemia nigrina* I can find no morphological character that readily separates *T. huachucae* from *T. nigrina*. Size does not work as I have seen small specimens from the eastern United States that look identical to *T. huachucae*. I hereby subjectively synonymize *T. huachucae* with *T. nigrina*. Additionally, the specimens I have seen from British Columbia, Canada, appear morphologically distinct from the rest of *T. nigrina*. However, lack of material and molecular evidence curtails the erection of new species for these northwestern populations of *T. nigrina*.

This species is closely allied to *T. monile* Van Duzee and only differs with respect to this species by a few difficult characters. All records of *T. nigrina* from California, including Van Duzee (1914), should be treated with extreme doubt until verified by museum specimens.

Geographic distribution. Canada: BC; Guatemala; Mexico; USA: AZ, CA, CO, FL, GA, IA, ID, KS, LA, MO, MS, MT, NC, NJ, NM, OK, SC, TX, UT, VA, WY.

Ecology. Plant associations: See above for an exhaustive list.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) notata* Champion 1898a**

Teleonemia notata Champion 1898a: 40 (n. sp.) [Guatemala, Mexico, Panama]; Perkins &

Sweezy 1924: 52 [Lantana]; Hurd 1946: 448 (note) [*Adenostegia filifolia*, *A. pilosa*];

Drake & Ruhoff 1965: 379 (cat.); Froeschner 1999: 269 (cat.); Grillo Ravelo 2012: 58 (cat.); Cazorla & Knudson 2021: 36 (checklist).

Diagnosis. *Teleonemia (Teleonemia) notata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine porrect, rostrum reaching posterior margin of mesosternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein extremely thick, comprising one-half height of carina, mesosternal laminae widening, femora smooth, costal veins tannish-brown, infuscate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal area mostly infuscate, lighter in color on basal fourth.

Measurements. Male. (n =2) Length: 3.41–4.07; width at widest: 0.99–1.16; Head: Scape: 0.15–0.18; pedicel: 0.15–0.17; basiflagellomere: 0.82–0.88; distiflagellomere: 0.32–0.39; interocular distance: 0.25–0.31; Thorax: Thickness of thorax: 0.83–0.95; width at humeral angles: 0.99–1.13; length of pronotum in dorsal view: 1.61–1.89; length of hemelytron: 2.41–2.79; length of discoidal area: 1.20–1.36; width of discoidal area: 0.32–0.34; Abdomen: Length: 1.60–1.75; length of pygophore: 0.41–0.44; width of pygophore: 0.48–0.59. Female. (n = 2) Length: 4.16–4.26; width at widest: 1.28; Head: Scape: 0.16–0.20; pedicel: 0.14–0.17; basiflagellomere: 0.81–0.93; distiflagellomere: 0.39–0.49; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 0.94–1.00; width at humeral angles: 1.16–1.17; length of pronotum in dorsal view: 1.93–1.95; length of hemelytron: 2.87–2.98; length of discoidal area: 1.48–1.52; width of discoidal area: 0.40–0.47; Abdomen: Length: 1.88–2.01; length of female terminalia: 0.61–0.73; width of female terminalia: 0.74–0.80.

Type specimen. Bugaba, Panama. Champion.; Sp. figured; B. C. A. Rhync. II.

Teleonemia notata Ch.; LECTOTYPE (♀) *Teleonemia notata* Champion Det. A. H. Knudson 20
[over] center specimen (♀ NHMUK) Herein designated as lectotype. Specimen examined.

Comments. This species appears to be restricted to central America and Mexico, although, it may be in parts of the Caribbean e.g. Cuba (Bruner et al. 1945).

Geographic distribution. USA: AZ to Panama.

Ecology. Plant associations: *Adenostegia filifolia*, *A. pilosa*

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) ochracea* Champion 1898a**

Teleonemia ochracea Champion 1898a: 36 (sp. n.) [Panama]; Drake & Ruhoff 1965: 380 (cat.);
Froeschner 1996: 269 (cat.).

Diagnosis. *Teleonemia (Teleonemia) ochracea* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; uniform ochraceous-brown color medial spine porrect, rostrum extending to second abdominal segment, pronotal hood broad, narrow, apical margin not raised, median carina areolate on disc, paranota reflexed vertically. adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate.

Measurements. Female. (n =1) Length: (5.50), width at widest: (1.60); Head: Scape: (0.3), pedicel: (0.15), basiflagellomere: (1.50), distiflagellomere: (?).

Type specimen. Holo- type; Type; V. de Chiriqui. 4000-6000 ft. Champion.; B. C. A. Rhyn. II. *Teleonemia ochracea* Ch.; Sp. figured; [Drawing of rostral canal]; ♀; NHMUK

011253987 (NHMUK) The specimen listed above was the only specimen examined by Champion (1898a) and is a holotype. Specimen examined.

Geographic distribution. Known only from the type locality in Chiriqui Panama.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for its ochreous color.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) pilicornis* Champion 1898a**

Teleonemia pilicornis Champion 1898a: 37 (n. sp.); (Drake & Ruhoff 1965: 380 (cat.).

Diagnosis. *Teleonemia (Teleonemia) pilicornis* can be separated from all other species of *T.(Teleonemia)* by a combination of the following characters; length 4mm or longer, general color dark-brown, posterior projection concolorous with disc, distiflagellomeres about one-fourth the length of basiflagellomeres, basiflagellomeres with elongate dense curved setae, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora about 1.5 times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, Anterior and posterior veins of some areolae in costal areas infusate, but middle of costal areas beyond discoidal areas tan and not infusate, subcostal areas biseriate, R+M and cubitus veins without thickened curved setae, each discoidal area mostly unicolorous, each ninth paratergite without tubercles.

Measurements. Male. (n =1) Length: (4.20), width at widest: (1.60); Head: Scape: (0.30), pedicel: (0.20), basiflagellomere: (1.20), distiflagellomere: (?).

Type specimen. Zapote, Guatemala, G. C. Champion; Sp. figured; B. C. A. Rhyn. II. *Teleonemia pilicornis* Ch.; NHMUK 011253994 (♂ NHMUK). The specimen listed above was the only specimen examined by Champion (1898a) and is a holotype. Specimen examined.

Geographic distribution. Costa Rica; Guatemala.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for the stoutly pilose antennae.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) prolixa* (Stål 1858)**

Lacommetopus prolixus Stål 1858: 65 [Brazil]

Monanthia (Tropidochila) sacchari: Stål 1862: 325.

Tingis (Amaurosterphus) prolixa: Stål 1868: 92.

Monanthia prolixa: Walker 1873: 193 (cat.).

Teleonemia prolixa variety β: Champion 1898a: 39 (Monograph)

Teleonemia prolixa: Stål 1873: 132; Berg 1884: 103 [Argentina]; Champion 1898a: 39

(Monograph) Van Duzee 1907: 22 (note); Monte 1939b: 59 (checklist); 1941b: 139

(cat.); Drake & Ruhoff 1965: 380 (cat.); Froeschner 1968: 168-169 (note) [Dominica];

Harley & Kassulke 1975: 225-227 (note); Froeschner 1981: 99 (cat.); Winder & Harley

1983 (note); Maes 1998 (cat.); Froeschner 1999: 269 (cat.); Day & Nesar 2000: 900

(review); Thomas & Ellison 2000: 100 (review); Day et al. 2003a: 69N (review); Day et

al. 2003b: 67 (note); Montemayor & Coscarón 2005: 44 (checklist); Zalucki et al. 2007: 255 (review); Maes & Knudson 2016: 53 (cat.); Cazorla & Knudson 2021: 37 (checklist).

Teleonemia prolixa variety β : Champion 1898a: 39 (Monograph)

Teleonemia funerea: Drake & Hambleton 1938b: 52 [mis. Det.]

Diagnosis. *Teleonemia (Teleonemia) prolixa* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than 5.2mm, slightly variable in color, but usually dark black to testaceous brown species, occasionally lighter brown, always margined with lighter tan or yellow, pronotal hood not contrasting in color with disc, pronotal hood evenly curved or slanted from median carina of disc, median carina areolate, rostrum extending to posterior margin of mesosternum, costal areas yellowish, infuscate near apex, narrow, costal areas subequal in width to width of costa, subcostal areas uniseriate, discoidal areas unicolorous and devoid of setae, each dorsal lateral margin of eighth abdominal segment in male with a lateral spinose projection.

Measurements. Male. (n =3) Length: 3.83–5.29; width at widest: 1.02–1.45; Head: Scape: 0.16–0.19; pedicel: 0.15–0.19; basiflagellomere: 0.97–1.64; distiflagellomere: 0.51–0.71; interocular distance: 0.24–0.31; Thorax: Thickness of thorax: 0.90–1.19; width at humeral angles: 1.02–1.25; length of pronotum in dorsal view: 1.77–2.24; length of hemelytron: 2.69–3.56; length of discoidal area: 1.23–1.69; width of discoidal area: 0.27–0.39; Abdomen: Length: 1.95–2.37; length of pygophore: 0.44–0.55; width of pygophore: 0.49–0.74. Female. (n = 3) Length: 4.06–4.92; width at widest: 1.15–1.41; Head: Scape: 0.16–0.26; pedicel: 0.10–0.16; basiflagellomere: 0.92–1.18; distiflagellomere: 0.53–0.57; interocular distance: 0.29–0.32; Thorax: Thickness of thorax: 1.00–1.15; width at humeral angles: 1.11–1.26; length of pronotum

in dorsal view: 1.89–2.21; length of hemelytron: 2.78–3.29; length of discoidal area: 1.34–1.78; width of discoidal area: 0.31–0.46; Abdomen: Length: 2.08–2.23; length of female terminalia: 0.73–0.77; width of female terminalia: 0.59–0.84.

Type specimen. Brasil; F. Sahtb.; *prolixa* Stål; Typus; NHRS-GULI 000083675 (♂ NHRS) herein designated as lectotype. Photograph of specimen examined.

Comments. Froeschner (1968) stated that this species shows more morphological variation than any other congener and needs to be reevaluated. Examination of specimens housed in the main collection of the USNM showed that there has been significant confusion of the identity of *T. prolixa* for over 100 years and the specimens identified by expert Heteropterists help confound the identity of this species. In the main collection of *T. prolixa* at the USNM there were specimens that belong to seven different taxa not corresponding to *T. prolixa*, including *T. bifasciata*, *T. inops*, *T. n. sp. 17*, *T. n. sp. 25*, *T. n. sp. 27*, *T. n. sp. 28*, *T. n. sp. 30*. *Teleonemia prolixa* is morphological variable, but specimens of true *prolixa* are nearly unicolorous except for the lighter yellow and narrow costal areas of the hemelytra, and the unicolorous discoidal areas. Additionally, all males have spinose triangular projections on the lateral margins of the 8th abdominal segment and can be separated from *T. n. sp. 30* by the longer, and fusiform distiflagellomere. Many previous records of *T. prolixa* in the literature should be taken with doubt until confirmed with voucher specimens. The few that I have confirmed were in error are placed under their respective species accounts.

Geographic distribution. Mexico to Argentina and some Caribbean Islands.

Ecology. Plant associations: All host associations should be subject to doubt for this species until verified authoritatively identified material can be associated with previous literature records.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) prunellae* Drake & Hambleton 1946**

Teleonemia prunellae Drake & Hambleton 1946: 122 (sp. n.): (Drake & Ruhoff 1965: 381 (cat.);
Maes & Knudson 2016: 54-55 (cat.).

Diagnosis. *Teleonemia (Teleonemia) prunellae* can be separated from all other species of *T.(Teleonemia)* by a combination of the following characters; length less than 4mm, general color dark red-brown margined with lighter tan brown and hyaline areas, calli covered with cream-colored wax, disc shining dark black-brown, devoid of setae except near collar, posterior projection lighter in color than disc, distiflagellomeres longer than one-third the length of basiflagellomeres, basiflagellomeres with elongate dense curved setae, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora greater than 1.5 times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae in costal areas infuscate, contrasting with variegated costa, subcostal areas biseriate, R+M and cubitus veins without thickened curved setae, each discoidal area mostly unicolorous, each ninth paratergite without tubercles.

Measurements. Male. (n = 2) Length: 3.18–3.28; width at widest: 0.95; Head: Scape: 0.15–0.19; pedicel: 0.14–0.16; basiflagellomere: 0.95–0.96; distiflagellomere: 0.33–0.38;

interocular distance: 0.24–0.25; Thorax: Thickness of thorax: 0.70–0.72; width at humeral angles: 0.82–0.85; length of pronotum in dorsal view: 1.31–1.37; length of hemelytron: 2.21–2.26; length of discoidal area: 1.17–1.24; width of discoidal area: 0.28–0.30; Abdomen: Length: 1.39–1.52; length of pygophore: 0.31–0.34; width of pygophore: 0.43–0.47. Female. (n = 2) Length: 3.42–3.57; width at widest: 1.01–1.02; Head: Scape: 0.18–0.19; pedicel: 0.13–0.15; basiflagellomere: 0.79–0.98; distiflagellomere: 0.35–0.38; interocular distance: 0.23–0.25; Thorax: Thickness of thorax: 0.73–0.81; width at humeral angles: 0.88; length of pronotum in dorsal view: 1.44–1.52; length of hemelytron: 2.44–2.54; length of discoidal area: 1.23–1.24; width of discoidal area: 0.29–0.34; Abdomen: Length: 1.56–1.66; length of female terminalia: 0.62; width of female terminalia: 0.58–0.72.

Type specimen. Guatemala City, Guat. V-15-45 E. J. Hambleton; Type *Teleonemia prunellae* D. & H.; C J Drake Coll. 1956; USNMMENT 00866684 (♂ USNM). Specimen examined.

Geographic distribution. Costa Rica, Guatemala, Mexico; USA: TX.

Ecology. Plant associations: *Prunella vulgaris* L. [Lamiaceae].

Etymology. Named for the host association reported with the original description Drake & Hambleton (1946).

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) rugosa* Champion 1898a**

Teleonemia rugosa Champion 1898a: 37 (sp. n.) [Guatemala, Panama]; Drake 1928: 2 (note) [Honduras]; Drake & Ruhoff 1965: 381 (cat.) [Bolivia]; Froeschner 1999: 269 (cat.).

Teleonemia schildi Drake 1942b: 242 (n. sp.) [Costa Rica]; Drake & Ruhoff 1965: 381 (cat.); Arnold 2004:75 (note). [**New Synonymy**]

Diagnosis. *Teleonemia (Teleonemia) rugosa* is easily separated from all species in the entire generic complex by the length longer than 3.5mm, the fusiform distiflagellomeres, the calli not noticeably darker than disk, and by the median carina of pronotal hood extremely low which lacks areolae near middle.

Measurements. Male. (n = 2) Length: 4.45–4.73; width at widest: 1.44–1.47; Head: Scape: 0.19–0.25; pedicel: 0.17; basiflagellomere: 1.59–1.70; distiflagellomere: 0.50–0.51; interocular distance: 0.31–0.34; Thorax: Thickness of thorax: 0.84–0.96; width at humeral angles: 1.08–1.14; length of pronotum in dorsal view: 1.81–2.02; length of hemelytron: 2.90–3.31; length of discoidal area: 1.53–1.75; width of discoidal area: 0.45–0.54; Abdomen: Length: 2.03–2.05; length of pygophore: 0.42–0.45; width of pygophore: 0.57–0.66. Female. (n = 2) Length: 4.73–4.97; width at widest: 1.50–1.62; Head: Scape: 0.17–0.22; pedicel: 0.16–0.17; basiflagellomere: 1.48–1.70; distiflagellomere: 0.46–0.49; interocular distance: 0.34–0.38; Thorax: Thickness of thorax: 0.93–1.03; width at humeral angles: 1.16–1.24; length of pronotum in dorsal view: 1.97–2.12; length of hemelytron: 3.26–3.43; length of discoidal area: 1.79–1.85; width of discoidal area: 0.51–0.56; Abdomen: Length: 2.13–2.31; length of female terminalia: 0.67–0.68; width of female terminalia: 0.80–0.96.

Type specimen. SYN- TYPE; Type; Panzos, Vera Paz, Champion; Sp. figured; B. C. A. Rhyn. II. *Teleonemia rugosa* Ch.; ♂; NHMUK 011253995; LECTOTYPE (♂) *Teleonemia rugosa* Champion Det. A. H. Knudson 20 (♂ NHMUK) Herein designated as lectotype. Specimen examined.

Geographic distribution. Bolivia; Costa Rica; Guatemala; Panama.

Ecology. Plant associations: unrecorded.

Etymology. Likely named for the rugose pronotal disc.

Material examined. See appendix A.1.

Teleonemia (Teleonemia) sacchari (Fabricius 1794)

Acanthia sacchari Fabricius 1794: 77 (n. sp.)

Tingis sacchari: Fabricius 1803: 126; Guérin-Ménéville 1857: 409 [Cuba, sugar]

Monanthia sacchari: Herrich-Schaeffer 1840: 85; Walker 1873: 191 (cat.).

Monanthia (Tropidocheila) sacchari: Fieber 1844: 76 [Martinique]; Herrich-Schaeffer 1850: 152; Stål 1858: 62.

Tingis (Tropidocheila) sacchari: Stål 1868: 92.

Teleonemia sacchari: Stål 1873: 132 [St. Bartholemy]; Champion 1898b: 62 [St. Vincent]; Van Duzee 1907: 22 (note); Barber 1914: 507 [FL], 1939: 371 [Antigua, St. Croix, St. Thomas]; Drake 1918: 330, 1926: 86 [*Lantana camara*], 1931: 510; Wolcott 1923: 247 [PR, *Verbisina*]; Blatchley 1926: 490; Blöte 1945: 89 [Trinidad]; Bruner et al. 1945: 98 [*Lantana involucrata*]; Box 1953: 37; Drake & Cobben 1960: 79 [Saba, St. Eustatius, St. Martin, *Lantana canescens* Drake & Ruhoff 1965: 381 (cat.); Froeschner 1968: 170-171 (note) [Dominica]; Froeschner 1999: 270 (cat.); Grillo Ravelo 2012: 58, 59 (cat.).

Teleonemia notata: Monte 1942: 136 [Cuba] [misdet.].

Diagnosis. *Teleonemia (Teleonemia) sacchari* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color testaceous brown, basiflagellomeres subequal in width to width of pedicels, densely pilose, rostrum reaching posterior margin of mesosternum, pronotal disc mostly devoid of setae, mesosternal laminae subparallel, femora smooth, costal veins variegated light and dark-brown opposite and beyond discoidal area, infusate near apical third, subcostal areas uniseriate.

Measurements. Male. (n = 3) Length: 3.15–4.23; width at widest: 0.94–1.19; Head: Scape: 0.11–0.21; pedicel: 0.14–0.18; basiflagellomere: 0.87–1.28; distiflagellomere: 0.37–0.52; interocular distance: 0.28–0.30; Thorax: Thickness of thorax: 0.74–0.93; width at humeral angles: 0.89–1.11; length of pronotum in dorsal view: 1.48–1.96; length of hemelytron: 2.20–3.04; length of discoidal area: 1.22–1.58; width of discoidal area: 0.28–0.41; Abdomen: Length: 1.55–2.02; length of pygophore: 0.44–0.48; width of pygophore: 0.50–0.57. Female. (n = 3) Length: 3.20–4.54; width at widest: 0.94–1.26; Head: Scape: 0.16–0.21; pedicel: 0.12–0.17; basiflagellomere: 0.77–1.26; distiflagellomere: 0.34–0.55; interocular distance: 0.30–0.33; Thorax: Thickness of thorax: 0.82–1.03; width at humeral angles: 0.96–1.23; length of pronotum in dorsal view: 1.54–2.03; length of hemelytron: 2.19–3.24; length of discoidal area: 1.26–1.74; width of discoidal area: 0.37–0.49; Abdomen: Length: 1.65–2.24; length of female terminalia: 0.45–0.89; width of female terminalia: 0.73–0.93.

Type specimen. Amer. Insul. Schmidt, Mus. S. & T. Lund, *Tingis sacchari*, Fabr. F.; ZMUC 001024494; Type (Male; ZMHC). Drake & Ruhoff (1965) reported a male specimen as the Holotype [above] which should be regarded as an inadvertent lectotype designation.

Photograph of specimen examined.

Comments. A series of specimens from the Dominican Republic does not differ morphologically from other populations found on different islands, but it is considerably larger than most other island populations. I have not seen specimens from Brazil, Mexico, or Panama that correspond to this species, however, it is possible that coastal areas near Caribbean islands may yield populations of this species, like the Yucatan region of Mexico. Several references of this species appear under other species accounts due to previous misidentifications.

Geographic distribution. Antigua; Cuba; Dominican Republic; France: Martinique, St. Bartholomy, St. Martin; Grenada; Jamaica; Netherlands: Saba, St. Eustatius; St. Vincent & the Grenadines: St. Vincent, Union Island; Trinidad; United Kingdom: British Virgin Islands (Virgin Gorda); USA: FL, PR, VI (St. Croix, St. Thomas).

Ecology. Plant associations: *Lantana camara*; *Lantana canescens*; *Lantana involucrata*; *Verbesina* sp.; *Saccharum* sp.

Etymology. Likely named after the plant genus *Saccharum*.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) schwarzi* Drake 1918**

Teleonemia schwarzi Drake 1918: 324 (n. sp.) [AZ, CA]; 1941b: 141 (note) [*Beloperone californica*]; Hurd 1946: 448 (cat.) [*Hymenoclea salsola*]; Drake & Ruhoff 1965: 383 (cat.); Froeschner 1988: 732 (cat.).

Teleonemia sororcula Van Duzee 1923: 142 (n. sp.) [Baja California].

Diagnosis. *Teleonemia (Teleonemia) schwarzi* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than (3.05 mm) general color dark-brown to red-brown, posterior projection abruptly lighter in color than disc, distiflagellomeres about one-third the length of basiflagellomeres, basiflagellomeres with elongate dense curved setae, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora stout, more than 1.5 times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae infuscate, contrasting with variegated costal veins, subcostal areas biseriate, R+M and cubitus veins with thickened curved setae, each discoidal area mostly unicolorous, each ninth paratergite without tubercles.

Measurements. Male. (n = 2) Length: 2.56–2.84; width at widest: 0.85–0.92; Head: Scape: 0.16; pedicel: 0.13; basiflagellomere: 0.66–0.75; distiflagellomere: 0.26–0.30; interocular distance: 0.24–0.36; Thorax: Thickness of thorax: 0.64–0.66; width at humeral angles: 0.79–0.85; length of pronotum in dorsal view: 1.19–1.29; length of hemelytron: 1.69–1.99; length of discoidal area: 0.96; width of discoidal area: 0.24–0.26; Abdomen: Length: 1.32–1.36; length of pygophore: 0.29; width of pygophore: 0.44–0.38. Female. (n = 2) Length: 2.69–3.05; width at widest: 1.04–1.18; Head: Scape: 0.16–0.17; pedicel: 0.14; basiflagellomere: 0.58–0.68; distiflagellomere: 0.23–0.31; interocular distance: 0.23–0.35; Thorax: Thickness of thorax: 0.68–0.78; width at humeral angles: 0.85–0.92; length of pronotum in dorsal view: 1.23–1.41; length of hemelytron: 1.79–2.13; length of discoidal area: 1.02–1.21; width of discoidal area: 0.30–0.31; Abdomen: Length: 1.41–1.55; length of female terminalia: 0.49–0.57; width of female terminalia: 0.54–0.73.

Type specimen. SanDiego Co., Cal.; Apr. Collection Coquillett; TYPE; Type No. 51724 U.S.N.M.; *Teleonemia schwarzi* Drake Type Det. Drake; USNMENT 00871150 (♀ USNM).

Specimen examined.

Geographic distribution. Mexico: Baja California; USA: AZ, CA.

Ecology. Plant associations: *Justicia californica* (Benth.) D. Gibson; *Ambrosia salsola* (Torr. & A.Gray) Strother & B.G. Baldwin.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) scrupulosa* Stål 1873**

Teleonemia scrupulosa Stål 1873: 132 (n. sp.) [Brazil, Colombia]; Distant 1888: 83; Champion 1898a: 40 [Grenada, Guatemala, Mexico, Panama, St. Vincent]; Barber 1906: 281 [TX], 1914: 507 [FL]; Van Duzee 1907: 22 (note) [Jamaica]; Drake 1918: 329 [Haiti, Callirhoe involucrata], 1926a: 86 [Cuba], 1926b: 376, 1930: 25, 1931: 510, 1935: 10 [Paraguay], 1956: 108; Drake & Bruner 1924a: 145 [Trinidad]; Blatchley 1926: 489 [ebony]; Drake & Hambleton 1934: 438, 1944: 123; 1945: 357; Costa Lima 1936: 130; Drake & Poor 1937: 304, 1943: 192; Monte 1938: 131, 1940: 191; 1941b: 140 (cat.), 1942: 109, 1944: 459; Drake & Frick 1939: 199 [French Guyana, Guyana, Peru, Venezuela], Currie & Fyfe 1939: 259; Kahn 1945: 149; Bruner et al. 1945: 98; Cashmore & Campbell 1946: 26; Zimmerman 1948: 121; Fullaway 1951: 208 [*Xanthium*; *Lantana montevidensis*], 1958: 550; Roonwal 1952: 3; Singh 1953: 119; van der Vecht 1953: 170 [Java]; Maehler 1955: 377 [*Myoporum sandwicense*]; Silva 1956: 59 [*Lantana brasiliensis*]; Orian 1956: 647 [Mauritius]; Drake & Cobben 1960: 73 [Aruba, Curaçao, Bonaire, Klein Bonaire,

Lantana canescens, *Lippia alba*]; Štušák 1961: 77; Drake & Ruhoff 1965: 383 (cat.); Winder & Harley 1982: 602; 605-606 (note); Froeschner 1988: 732 (cat.); 1999: 270 (cat.); Arnold 2004:75 (note); Perez-Gelabert 2008: 184 (checklist); Grillo Ravelo 2012: 59 (cat.); Maes & Knudson 2016: 56-57 (cat.) [Nicaragua]; Cazorla & Knudson 2021: 38 (checklist).

Teleonemia bifasciata: Kirkaldy 1905: 216 (note) [misdet.].

Teleonemia lantanae Distant 1905: 60 (n. sp.) [Hawaii].

Teleonemia haytiensis Drake 1920: 53 (n. sp.); Drake & Bruner 1924a: 145, 1924b: 155 [Cuba].

Teleonemia scrupulosa var. *haytiensis*: Drake & Frick 1939: 201; Drake & Ruhoff: 1965: 484; Perez-Gelabert 2008: 184 (checklist); Grillo Ravelo 2012: 59 (cat.).

Teleonemia scrupulosa haytiensis: Perez-Gelabert 2008: 184 (checklist) [**Resynonymized**]

Teleonemia notata: Maes & Knudson 2016: 51-52 [misdet.].

Diagnosis. *Teleonemia (Teleonemia) scrupulosa* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color brown, occasionally variegated with brown, basiflagellomeres slightly narrower than pedicels, with many elongate, curved setae, rostrum reaching apical margin of metasternum, pronotal disc densely covered with setae, mediana carina areolate, mesosternal laminae widening throughout, femora smooth, costal veins unicolorous brown, darker on apical fourth, subcostal areas uniseriate, and discoidal areas with downcurved thickened setae.

Measurements. Male. (n = 2) Length: 2.96–4.36; width at widest: 0.94–1.38; Head: Scape: 0.15–0.24; pedicel: 0.14–0.21; basiflagellomere: 0.76–1.25; distiflagellomere: 0.34–0.47;

interocular distance: 0.25–0.35; Thorax: Thickness of thorax: 0.67–0.98; width at humeral angles: 0.84–1.18; length of pronotum in dorsal view: 1.43–1.99; length of hemelytron: 1.34–3.12; length of discoidal area: 1.10–1.57; width of discoidal area: 0.25–0.44; Abdomen: Length: 1.35–1.93; length of pygophore: 0.43–0.51; width of pygophore: 0.46–0.57. Female. (n = 2) Length: 3.33–4.12; width at widest: 1.19–1.49; Head: Scape: 0.14–0.16; pedicel: 0.14–0.18; basiflagellomere: 0.72–0.90; distiflagellomere: 0.23–0.32; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 0.80–0.97; width at humeral angles: 0.97–1.19; length of pronotum in dorsal view: 1.61–1.88; length of hemelytron: 2.31–2.85; length of discoidal area: 1.35–1.65; width of discoidal area: 0.35–0.44; Abdomen: Length: 1.44–1.86; length of female terminalia: 0.65–0.82; width of female terminalia: 0.67–0.86.

Type specimen. Rio Jan; Stal; Teleonemia scrupulosa C.J.D Stål; Paratypus; NHRS-GULI 000003955 (♀ NHRS). Herein designated as lectotype. Photograph of specimen examined.

Comments. Two paralectotypes from Bogota in NHRS are missing their abdomens.

Geographic distribution. Brazil; Colombia; Costa Rica; Cuba; Guyana; Haiti; Jamaica; Nicaragua; Panama; Paraguay; Peru; Trinidad;

Ecology. This species has been reported to cause extensive damage to leaves of Lantana species and has even reported interfering with larval development of another potential biocontrol agent (Mabuda 2004). Plant associations: This species has been recorded from a number of different plants; literature records include: *Callirhoe involucreta* (Drake 1918b) in the family Malvaceae; *Lantana aculeata* (Beeson and Chatterjee 1940), *Lantana brasiliensis* (Silva 1956), *Lantana camara* (Kirkaldy 1907, Drake 1926, Monte 1940a, Drake and Cobben 1960), *Lantana*

canescens (Drake and Cobben 1960), *Lantana montevidensis* (Fullaway 1951), *Lippia alba* (Drake and Cobben 1960), and *Lippia brasiliensis* (Monte 1938), all in the family Verbenaceae; *Myoporum sandwicense* (Maehler 1955) in the family Scrophulariaceae; *Xanthium* sp. (Fullaway 1951) in the family Asteraceae; and ebony (Blatchley 1926) in the family Ebenaceae.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) sidae* (Fabricius 1794)**

Acanthia sidae Fabricius 1794: 77.

Tingis sidae: Fabricius 1803: 126; Fiber 1844: 108; Walker 1873: 180.

Tingis (Tropidocheila) sidae: Stål 1868: 92.

Monanthia sidae: Walker 1873: 121.

Teleonemia sidae: Stål 1873: 132; Drake & Ruhoff 1965: 384 (cat.).

Tropidocheila sidae: Uhler 1886: 22.

Teleonemia syssita Drake & Cobben 1960: 67, 75 (n. sp.). Drake & Ruhoff 1965: 385 (cat.)

[New Synonymy]

Diagnosis. *Teleonemia (Teleonemia) sidae* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color light tawny brown, variegated with brown, basiflagellomeres distinctly narrower than pedicels, with widely dispersed setae, rostrum reaching posterior margin of mesosternum, pronotal disc mostly devoid of setae, medina carina areolae, mesosternal laminae subparallel, femora granulose, costal veins

variegated light and dark-brown opposite and beyond discoidal area, infuscate near apical third, subcostal areas uniseriate.

Measurements. Male. (n=2) Length: 3.11–3.35; width at widest: 0.94–0.97; Head: Scape: 0.14–0.15; pedicel: 0.13–0.15; basiflagellomere: 1.04–1.10; distiflagellomere: 0.32–0.38; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 0.76–0.88; width at humeral angles: 0.94–0.97; length of pronotum in dorsal view: 1.50–1.53; length of hemelytron: 2.06–2.32; length of discoidal area: 1.09–1.23; width of discoidal area: 0.26–0.28; Abdomen: Length: 1.33–1.49; length of pygophore: 0.38; width of pygophore: 0.43–0.50. Female. (n=2) Length: 3.20–3.50; width at widest: 1.09–1.11; Head: Scape: 0.15–0.16; pedicel: 0.12–0.14; basiflagellomere: 0.82–0.93; distiflagellomere: 0.34–0.42; interocular distance: 0.31–0.34; Thorax: Thickness of thorax: 0.78–0.93; width at humeral angles: 0.97–1.01; length of pronotum in dorsal view: 1.59–1.65; length of hemelytron: 2.21–2.38; length of discoidal area: 1.24–1.33; width of discoidal area: 0.33–0.40; Abdomen: Length: 1.56–1.75; length of female terminalia: 0.67–0.78; width of female terminalia: 0.69–0.76.

Type specimen. *sidae* Tingis Sidae F./ Syst. Rhyng, p.126. 6; TYPE; ZMUC 00102496 (Male; ZMUC). Drake & Ruhoff (1965) reported a male specimen as the Holotype [above] which should be regarded as an inadvertent lectotype designation. Photograph of specimen examined.

Comments. A female specimen with a Fabricius label states: Amer. Insl. Schmidt, Mus S & T. Lund, *Tingis sidae* Fabr. F.; ZMUC 00102497, but is more heavily damaged and female compared to the specimen mentioned above.

Geographic distribution. Bahamas; France: Gudelup; Netherlands: Sint Eustatius, Sint Martin; USA: PR.

Ecology. Plant associations: *Lantana camara*.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) veneris* Drake 1939**

Teleonemia veneris Drake 1939a: 527 (n. sp.); Monte 1941b: 142 (cat.); Drake & Ruhoff 1965: 387 (cat.).

Diagnosis. *Teleonemia (Teleonemia) veneris* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; rostrum extending to second abdominal segment, pronotal hood only slightly elevated, narrow, dorsal margin weakly angulate near base in dorsal view, median carina areolate on disc, costal areas biseriate beyond discoidal areas.

Measurements. Not taken in this study.

Type specimen. Balém Para, Braz.[il]; HOLOTYPE by C. J. Drake, *Teleonemia veneris*; C J Drake Coll. 1956; USNMENT 00866693 (♀ USNM). Specimen examined.

Geographic distribution. Brazil: Pará.

Ecology. Plant associations: unrecorded.

***Teleonemia (Teleonemia) vidua* Van Duzee 1918**

Teleonemia vidua Van Duzee 1918: 278 (n. sp.) [CA]; Drake & Ruhoff 1965: 387 (cat.);
Froeschner 1988: 732 (cat.).

Teleonemia novicia Drake 1920: 53 (sp. n.); Hurd 1946: 448 (note); Drake & Ruhoff 1965: 380
(cat.); Froeschner 1988: 732 (cat.) [**New Synonymy**]

Diagnosis. *Teleonemia (Teleonemia) vidua* can be separated from all other species of *T.(Teleonemia)* by a combination of the following characters; width less than (1 mm) general color uniformly dark-brown, rarely triangular posterior projection and base of discoidal areas slightly lighter infusate, distiflagellomeres about one-third the length of basiflagellomeres, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora slender, not more than one and one-half times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae infusate, contrasting with variegated costal veins, subcostal areas biseriate, R+M and cubitus veins without curved setae, each discoidal area mostly unicolorous, each ninth paratergite with an elongate tubercle that nearly reaches apex of abdomen in lateral view.

Measurements. Not taken in this study.

Type specimen. Keen Camp Cal. Riverside Co. June 6-12,1917; EP Van Duzee
Collector; TYPE *vidua*; California Academy of Sciences Type No. 394 (♀ CASC)

Comments. After comparing the type specimens of *T. novicia* Drake, and *T. vidua*, I can find no morphological characters that separate these two species. Both type specimens are nearly identical except that the type of *T. vidua* has fewer hairs on the dorsal surface of the head which may have worn off at time of initial collection. Van Duzee's (1918) key to California *Teleonemia*

does not work because *T. nigrina* and *T. vidua* both have biseriate subcostal areas of their respective hemelytra.

Geographic distribution. USA: AZ, CA.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) vulgata* Drake & Hambleton 1940**

Teleonemia vulgata Drake & Hambleton 1940: 533 (n. sp.) [Brazil]; Drank & Ruhoff 1965: 387 (cat.); Baars & Nesar 1999: 27-28 (note) [Lantana], Baars 2002:xx (biology); Klein 2011: 549.

Teleonemia sacchari: Drake 1931b: 510 [misdet] [Brazil]; Monte 1939: 80, 1941 [misdet.]

Diagnosis. *Teleonemia (Teleonemia) vulgata* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length less than 3.6 mm, general color tannish-brown with light-brown, basiflagellomeres slightly narrower than widths of pedicels, weakly pilose, medial spine erect, rostrum reaching posterior margin of mesosternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, costal veins tannish-brown, infuscate on apical third, subcostal areas uniseriate, with some setae near base, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal third and beyond middle, infuscate near middle, and near apex, and ninth paratergites of female broadly rounded, each with a median raised area.

Measurements. Male. (n =2) Length: 3.25–3.26; width at widest: 0.94–0.98; Head: Scape: 0.13–0.14; pedicel: 0.14; basiflagellomere: 1.04; distiflagellomere: 0.39; interocular distance: 0.28–0.29; Thorax: Thickness of thorax: 0.64–0.67; width at humeral angles: 0.91–0.94; length of pronotum in dorsal view: 1.48–1.52; length of hemelytron: 2.33–2.35; length of discoidal area: 1.08–1.13; width of discoidal area: 0.28–0.32; Abdomen: Length: 1.28–1.49; length of pygophore: 0.34–0.38; width of pygophore: 0.41–0.42. Female. (n =1) Length: 3.47; width at widest: 1.03 Head: Scape: 0.17; pedicel: 0.12; basiflagellomere: 1.02; distiflagellomere: 0.38; interocular distance: 0.30; Thorax: Thickness of thorax: 0.75; width at humeral angles: 1.00; length of pronotum in dorsal view: 1.58; length of hemelytron: 2.32; length of discoidal area: 1.20; width of discoidal area: 0.33; Abdomen: Length: 1.35; length of female terminalia: 0.62; width of female terminalia: 0.58.

Type specimen. NICTEROI, BRASIL Est. do Rio.; 31 Julho, 1938. E. J. Hambleton; 257; *Teleonemia vulgata* HOLOTYPE; C J Drake Coll. 1956; USNMENT 00866694 (♂ USNM). Specimen examined.

Comments. This species was previously considered for biological control of *Lantana* spp. in South Africa (Barrs & Nesar 1999), but it reproduced using several indigenous species of African *Lippia* in caged experiments (Urban et al. 2011)

Geographic distribution. Brazil: Rio de Janeiro.

Ecology. Plant associations: *Lantana* sp.

Material examined. See appendix A.1.

***Teleonemia (Teleonemia) vulsa* Drake & Hambleton 1944**

Teleonemia vulsa Drake & Hambleton 1944: 123 (n. sp.) [Brazil]; Drake & Ruhoff 1965: 387 (cat.).

Diagnosis. *Teleonemia (Teleonemia) vulsa* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color mostly light-brown, variegated with darker brown, pronotal hood concolorous with disc, medial spine porrect, basiflagellomeres more than five times length of scape, rostrum extending to posterior margin of mesosternum, mesosternal rostral laminae slightly widening throughout, median carina areolate on disc, paranota reflexed vertically, adpressed against lateral sides of pronotum, costal areas of hemelytra uniseriate, some areolae beyond discoidal area more than three times the size of those near base, subcostal areas biseriate.

Measurements. Not taken in this study.

Type specimen. Chapada Brazil, Acc. No. 2966; Chapada Forest; Nov.; Holotype *Teleonemia vulsa* D. & H.; C J Drake Coll. 1956; USNMMENT 00866695 (♂ USNM). Specimen examined.

Geographic distribution. Brazil: Mato Grosso.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Teleonemia (Teleonemia) n. sp. 16

Diagnosis. *Teleonemia (Teleonemia) n. sp. 16* is easily separated from all species in the entire generic complex by a combination of the following characters; the length not longer than

3.5mm, the clavate distiflagellomeres, the calli noticeably darker than disk, and by the median carina of pronotal hood extremely low which lacks areolae near middle.

Description. Generally short, slender, light-brown species with tan-colored setae. **Head.** Moderately elongate, brown; occipital spines tan, very slender, weakly incurved near base, adpressed to head, apices surpassing anterior margins of eyes and base of medial spine, nearly touching bases of paired frontal spines, one and one-half times as long as width of eye; medial spine concolorous with occipital spines, slender, elongate, reaching apices of frontal spines, adpressed to head, two-thirds length of occipital spines, base devoid of setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles moderately elongate, subequal to width of eye, dorsal-mesal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, one and one-fourth as long as eye width; pedicel elongate, three-quarters length of scape, with slender, curved tan setae; basiflagellomere with slender tan setae, slender throughout much of length, clavate near apex, six and one-half to seven times length of scape; distiflagellomere concolorous with basiflagellomere, one and one-half times length of scape, distinctly clavate, nearly as wide as scape at widest, truncate apically. Eyes large, D-shaped, anterior margin broadly rounded. Maxillary plates with downcurved setae; clypeus dark red-brown with thickened downcurved setae; bucculae narrow, height subequal to width of eye, biseriate, lateral margins with thickened downcurved setae near base, apical margin produced anteriorly, parallel with apex of clypeus contiguous apically, ventral margin weakly curved in lateral view. Rostrum light-brown, elongate, extending to posterior margin of mesosternum, one-half of apical segment infusate.

Thorax. Pronotal collar narrow, light-brown; pronotum light-brown, punctate, punctures deep, interpunctural distance at most elevated area of pronotal disc subequal to diameter of

punctures; calli dark-brown, shining, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad, roof-like, weakly produced anteriorly, four areolae long, not tumid posteriorly, with curved short setae on posterior margin, median carina extends to apex of pronotum; paranota narrow, slender, explanate uniseriate opposite calli, basal row extremely small, lateral area carinate throughout length; pronotal carinae concolorous with disc, uniseriate, low, areolae extremely small, not distinctly elevated from pronotal disc, median carina, subequal in height to lateral carinae, weakly depressed near most elevated area of pronotal disc; lateral carinae mostly subparallel beyond disc, divergent posteriorly; areolae of triangular posterior projection abruptly larger beyond basal third, then abruptly increase in size towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal fourth. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae wider apart at base than prothoracic laminae, weakly converging beyond middle; metasternal laminae broader apart than mesothoracic sternal laminae near base, subparallel posteriorly third, posterior margin incurved; metasternum convex with short, thickened setae on lateral margins. Legs dark-brown; coxae short, globose, distal margins with minute pubescence; trochanters, subequal in length to coxae, broader than bases of femora, with minute setae; femora dark-brown, short, stout, widest near middle, with yellow setae; tibiae slender, concolorous with tibiae, darker brown near apex, subequal to length of femora; basitarsi concolorous with preceding, minute; distitarsi concolorous with basitarsi, elongate, weakly expanded laterally near apex. Ostoliar peritreme narrowly ovate, elongate, two times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, becoming smaller beyond middle; costal

vein tannish-brown, fuscous patch along discoidal cell and on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band opposite discoidal cell and apical fourth, larger beyond apex of discoidal cell; subcosta light-brown, darker near middle; subcostal area tannish-brown, with brown band before middle, biseriate along discoidal area, subvertical, mostly devoid of setae; R+M vein tannish-brown, sinusoidal; discoidal cell tannish-brown, variegated with dark-brown, broad, midpoint near apex of triangular posterior projection, each comprised of six rows of areolae at widest, areolae devoid of setae; each cubitus vein mostly straight on half; sutural areas light-brown, with brown markings, dark-brown along post cubitus and apical third, moderately large, seven rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apical third, abruptly larger beyond. Metathoracic wings dark-brown, extending beyond apex of abdomen terminating halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, with golden colored setae near sternal sutures; eighth paratergites broadly, but weakly depressed on basal area, vertical furrow from base to dorsal third; ninth paratergites stout, rounded in base, each with weak vertical furrow near middle, lateral margins of furrow tumid, rounded, excavate on apical third, apical margin setose.

Measurements. Female. (n =1) Length: 3.67; width at widest: 1.21; Head: Scape: 0.18; pedicel: 0.14; basiflagellomere: 1.08; distiflagellomere: 0.31; interocular distance: 0.29; Thorax: Thickness of thorax: 0.77; width at humeral angles: 0.96; length of pronotum in dorsal view: 1.65; length of hemelytron: 2.49; length of discoidal area: 1.41; width of discoidal area: 0.37; Abdomen: Length: 1.72; length of female terminalia: 0.60; width of female terminalia: 0.65.

Type specimen. PARAG: CORDILLERA Inst. Agro. Nac., Caacupé: Jan.-17- 20-83 : E. G. Riley; D. A. Rider Collection (♀ DARC). Type specimen will be deposited in the USNM.

Geographic distribution. Known only from the type locality in Cordillera, Paraguay.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Teleonemia (Teleonemia) n. sp. 17

Teleonemia sacchari: Knudson 2018 (unpublished thesis) [misdet.].

Diagnosis. *Teleonemia (Teleonemia) n. sp. 17* is separated from all species of *T. (Teleonemia)* by a combination of the following characters: longer than 4mm, general color light-brown, distiflagellomeres distinctly weakly clavate, medial spine elongate, porrect, mesosternal laminae subparallel in posterior margin, the mostly unicolorous light-brown costa, uniseriate costal and subcostal areas, subcostal areas with only a few downcurved setae, discoidal area not unicolorous, but without transvers infusate band, not setose, and by the ninth paratergites each middle with an abrupt eminence projected laterally, abruptly truncate near apex and lateral margins.

Description. Generally elongate, slender, light to dark-brown species with brown-colored setae and minute whitish pubescence. **Head.** Moderately elongate, dark-brown; occipital spines light-brown, slender, weakly incurved near base, porrect, apices surpassing anterior margins of eyes and base of medial spine, nearly touching apices of paired frontal spines, one and one-fourth times as long as width of eye; medial spine slightly darker brown than occipital spines,

stout, elongate, reaching apices of frontal spines, porrect, two-thirds length of occipital spines, base with thickened brown setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles short, two-thirds as long as width of eye, dorsal-mesal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, one and one-third as long as eye width; pedicel elongate, two-thirds length of scape, with slender, curved brown setae and whitish wax; basiflagellomere with slender brown setae and white wax, stout throughout much of length, weakly clavate near apex, four to five and one-half times length of scape; distiflagellomere darker infusate, two and one-half times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured with downcurved cream-colored setae; clypeus dark red-brown, covered with thickened cream-colored pubescence; bucculae moderately tall, height subequal to width of eye, triseriate, lateral margins with thickened downcurved setae, apical margin produced anteriorly, extending slightly beyond apex of clypeus, contiguous apically, ventral margin tan, weakly curved in lateral view. Rostrum light-brown near middle, short, extending to middle of mesosternum, one-half of apical segment infusate.

Thorax. Pronotal collar narrow, brown; pronotum brown, punctate, punctures deep, margined with minute pubescence, interpunctural distance at most elevated area of pronotal disc subequal to one and one-half diameter of punctures; calli dark-brown, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, weakly produced anteriorly, six areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, uniseriate opposite calli, basal row extremely small explanate, lateral area reflexed

vertically, adpressed against lateral margin of pronotum, uniseriate opposite humeral angles; pronotal carinae slightly lighter than disc, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina, subequal in height to lateral carinae, lightest on posterior projection; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, narrow near base, abruptly widening beyond middle; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening to basal third, subparallel beyond; metasternal laminae broader apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum convex with short, thickened setae. Legs dark-brown; coxae short, globose, distal margins with dense, thickened setae; trochanters, subequal in length to coxae, beset with minute pubescence; femora dark-brown, short, stout, widest near middle, with whitish pubescence; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora; basitarsi concolorous with preceding, minute; distitarsi dark-brown, elongate, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, becoming smaller beyond middle; costa extremely sinusoidal, tannish-brown, fuscous brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta dark-brown; subcostal area dark-brown, uniseriate, subvertical, beset with few downcurved setae along discoidal cell; R+M vein dark-brown, sinusoidal; discoidal area dark-brown, broad, midpoint near apex of triangular posterior projection, each comprised of

five to six rows of areolae at widest, areolae with small slender setae; each cubitus vein mostly straight on half; sutural areas dark-brown, lighter brown near middle and apical third, moderately large, nine rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apical third, abruptly larger beyond. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, densely covered with gray colored setae; eighth paratergites broadly and deeply excavate on basal fourth, connected to vertical furrow from base to dorsal third; ninth paratergites stout, weakly depressed on basal third, middle with an abrupt eminence projected laterally, abruptly truncate near apex and lateral margins, excavate on apical third, beset with slender elongate setae. Pygophore red-brown, covered with minute setae, narrow, slightly narrower than preceding abdominal segment, ventral basal depressions deep, extending vertically on lateral margins, dorsal posterior margin with a broad mesial depression; parameres dark-brown, lighter red-brown near apex, stout near base, slender near apex, curved, narrowed in dorsal margins in lateral view, setose on postero-lateral margins.

Measurements. Male. (n = 3) Length: (4.01)–4.40; width at widest: 1.24(1.25)–1.27; Head: Scape: 0.18–(0.22); pedicel: (0.16) –0.17; basiflagellomere: (0.97) –1.02; distiflagellomere: 0.39–(0.46)0.50; interocular distance: 0.29– (0.30); Thorax: Thickness of thorax: 0.89(0.91)–0.96; width at humeral angles: (1.06)1.08–1.10; length of pronotum in dorsal view: 1.81(1.82)–1.92; length of hemelytron: (2.79)2.86–3.07; length of discoidal area: 1.38(1.39)–1.53; width of discoidal area: (0.29)–0.37; Abdomen: Length: (1.88)–1.99; length of pygophore: (0.45)–0.55; width of pygophore: 0.44(0.56). Female. (n = 2) Length: 4.24–4.50;

width at widest: 1.29–1.30; Head: Scape: 0.20–0.27; pedicel: 0.15–0.17; basiflagellomere: 0.87–1.06; distiflagellomere: 0.36–0.46; interocular distance: 0.30–0.31; Thorax: Thickness of thorax: 0.96–0.99; width at humeral angles: 1.08–1.26; length of pronotum in dorsal view: 1.88–2.05; length of hemelytron: 2.82–3.11; length of discoidal area: 1.47–1.56; width of discoidal area: 0.44–0.45; Abdomen: Length: 2.07–2.14; length of female terminalia: 0.60–0.78; width of female terminalia: 0.60–0.79.

Type specimen. BELIZE Cayo Dist. nr Teakettle Bank, Pooks Hill, 9-I-2003, C R Bartlett (♂ UDCC).

Comments. Other published records of *Teleonemia sacchari* may correspond to this species like the Mexican record of *T. sacchari* in Herrich-Schaffer (1840) or the record from Baja California in Uhler (1894).

Geographic distribution. Southern Mexico to Costa Rica and possibly Panama.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: El Salvador Sonzacate June 25'58 LJBottimer; CNC 1188797 (1♀ CNC); Guatemala: EL PROGRESO, 17 km S La Cumbre, (Baja Verapaz), 900 M., 26.XI.1991 leg. R. Baranowski (1♂1♀ MZLU); HONDURAS: Francisco Morazán, Zamorano 27 VI 1994 14°N, 87°W 820m, Ashe, Brooks #227 ex: beating foliage (1♀ SEMC); HONDURAS: El Paraiso vic. Yuscaran 2 June 1993 R. Turnbow (3♂1♀ UGCA); MEXICO: Chiapas 1 km. S Ocosingo 18 Oct. 1988 R. Turnbow (1♀ UGCA); MEXICO: Chiapas hwy. 195, 15 km. S jct. hwy. 190, 15 Oct. 1988 R. Turnbow (1♂ UGCA);

Teleonemia (Teleonemia) n. sp. 24

Diagnosis. *Teleonemia (Teleonemia) n. sp. 24* is separated from all species of *T. (Teleonemia)* by a combination of the following characters: general color light tan, head calli and apical margin of disc darker brown, distiflagellomeres distinctly clavate medial spine extremely small, concolorous with head, by the posterior projection noticeably lighter than anterior margin of disc, mesosternal laminae widening in posterior margin, the mostly unicolorous tan costa, uniseriate costal and subcostal areas, rm vein with infusate mark near apex of discoidal area, unicolorous discoidal areas that are not setose, and by the ninth paratergites with a laterally projected eminence.

Description. Generally short, stout, light-brown species with tan-colored setae. **Head.** Short, dark-brown; occipital spines tan, slender, incurved near base, porrect, apices reaching anterior margins of eye and base of medial spine, subequal to width of eye; medial spine concolorous with head, stout, minute, tuberculate, not reaching bases of frontal spines, porrect, one-third the length of occipital spines, base with thickened tan setae; paired frontal spines erect, produced anteriorly beyond clypeus, subparallel, slightly longer than medial spine; antenniferous tubercles short, two-thirds as long as width of eye, dorsal-mesal margins beset with downcurved setae. Antennae light-brown: scape barrel-shaped, length subequal to width of eye; pedicel elongate, subequal to length of scape, with slender, curved tan setae; basiflagellomere with slender, tan setae, slender throughout much of length, weakly clavate near apex, five and one-half to six times length of scape; distiflagellomere darker infusate on apical half, two and one-half times length of scape, stoutly clavate, widest in beyond middle, truncate apically. Eyes large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured with downcurved cream-colored setae; clypeus dark red-brown, covered with thickened downcurved cream-

colored setae; bucculae narrow, height subequal to width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin produced anteriorly, subparallel with apex of clypeus, contiguous apically, ventral margin flat in lateral view, weakly notched below each eye. Rostrum brown, long, extending to base of first abdominal sternite, apex of apical segment infusate.

Thorax. Pronotal collar narrow, tan; pronotum brown on apical half, tan behind, punctate, punctures deep, margined with minute pubescence, interpunctural distance at most elevated area of pronotal disc one-half diameter of punctures; calli dark-brown, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, weakly produced anteriorly, five areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral area reflexed vertically, adpressed against lateral margin of pronotum, uniseriate opposite humeral angles; pronotal carinae slightly lighter than disc, uniseriate, low, areolae elongate, distinctly elevated from pronotal disc; median carina, subequal in height to lateral carinae; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size towards apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal and dorsal third. Prothoracic rostral laminae low, crescentic-shaped; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening posteriorly; metasternal laminae broader apart than mesothoracic sternal laminae, weakly crescentic-shaped, posterior margin weakly incurved; metasternum flat with short, thickened setae. Legs light-brown; coxae short, globose, distal margins with dense, thickened setae; trochanters lighter brown, subequal in length

to coxae, beset with minute pubescence; femora light-brown, short, stout, widest near middle, with minute setae; tibiae slender, lighter tan, darker brown near apex, subequal to length of femora and trochanters combined; basitarsi brown, minute; distitarsi dark-brown, elongate, nearly one-fourth length of tibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, moderately elongate, two times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, becoming smaller beyond; costa extremely sinusoidal, tan, fuscous brown patch beyond discoidal cell; costal area uniseriate, areolae translucent, larger beyond apex of discoidal cell; subcosta tan; subcostal area tan, uniseriate, subvertical, with few downcurved setae near basal third; R+M vein tan, dark black near discoidal area apex, sinusoidal; discoidal area tan broad, midpoint near apex of triangular posterior projection, each comprised of five to six rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein mostly straight on half; sutural areas tan, moderately large, nine rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apical third, abruptly larger beyond. Metathoracic wings light tan, extending beyond apex of abdomen terminating halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, densely covered with tan-colored setae; eighth paratergites narrowly and deeply excavate on basal fourth, connected to broad vertical furrow from base to dorsal third, beset with thick downcurved setae; ninth paratergites stout, weakly depressed on basal third, middle with an abrupt eminence projected laterally, abruptly truncate near apex and lateral margins, excavate on apical third, beset with thickened elongate setae.

Measurements. Female. (n =1) Length: 3.62; width at widest: 1.17; Head: Scape: 0.13; pedicel: 0.12; basiflagellomere: 0.82; distiflagellomere: 0.32; interocular distance: 0.31; Thorax: Thickness of thorax: 0.80; width at humeral angles: 1.08; length of pronotum in dorsal view: 1.72; length of hemelytron: 2.47; length of discoidal area: 1.29; width of discoidal area: 0.40; Abdomen: Length: 1.64; length of female terminalia: 0.61; width of female terminalia: 0.74.

Type specimen. BOLIVIA, Cochabamba, Prov. Arani, 9 km SW of Tiraque, 17.494°S, 65.779°W, 3048 m, 3-III-2016, S. M. Clark; Brigham Young University Arthropod Collection BYUC124952 (♂ BYUC).

Geographic distribution. Bolivia: Cochabamba.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Teleonemia (Teleonemia) n. sp. 25

Teleonemia sacchari: Distant 1888: 82 [misdet.].

Teleonemia prolixa: Drake 1931b: 510 [Brazil] [misdet.].

Diagnosis. *Teleonemia (Teleonemia) n. sp. 25* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color brown variegated with dark-brown, with brown setae, basiflagellomeres slightly narrower than widths of pedicels, pilose, distiflagellomeres weakly clavate on apical third, medial spine porrect, elongate, reaching apices of paired frontal spines, occipital spines elongate, surpassing base of medial spine, paired frontal spines short, subequal in length to medial spine,

rostrum reaching middle of metasternum, anterior margin of prothorax not angled ventrad, pronotal disc covered with minute setae, median carina areolate, dorsal vein moderately thick, comprising more than half of carina height, mesosternal laminae subparallel beyond basal third, femora smooth, ostiolar peritremes narrowly ovate, costal veins tan, infusate on apical fourth, subcostal areas uniseriate, with few downcurved setae near base, discoidal areas glabrous and lighter tan on basal third, infusate until near apex, and ninth paratergites of female each middle with an abrupt eminence projected laterally, abruptly truncate near apex and lateral margins, excavate on apical third

Description. Generally elongate, slender, variegated brown species with brown-colored setae. **Head.** Short, dark-brown; occipital spines tannish-brown, slender, weakly incurved near base, porrect, apices reaching anterior margins of eyes and base of medial spine, as long as width of eye; medial spine slightly darker brown than occipital spines, stout, elongate, reaching apices of frontal spines, porrect, two-thirds length of occipital spines, base with thickened brown setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown: scape barrel-shaped, subequal in length to eye width; pedicel elongate, as long as scape, with slender, curved tan setae; basiflagellomere with slender tan setae, stout throughout much of length, weakly clavate near apex, five and one-half to six times length of scape; distiflagellomere darker infusate, two to three times length of scape, clavate, widest on apical third, truncate apically. Eyes large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured with downcurved tan setae; clypeus dark red-brown, covered with thickened tan downcurved setae; bucculae moderately tall, height subequal to width of eye, triseriate, lateral margins with thickened downcurved setae,

apical margin produced anteriorly, apex subparallel with apex of clypeus, contiguous apically, ventral margin tan, weakly curved in lateral view. Rostrum dark-brown, moderately elongate, extending to middle of metasternum, apical segment infusate.

Thorax. Pronotal collar narrow, brown; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal to one and one-half diameter of punctures; calli dark-brown, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, weakly produced anteriorly, six areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral area reflexed vertically, adpressed against lateral margin of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina, subequal in height to lateral carinae, darker infusate near apex of disc, lightest on posterior projection; lateral carinae mostly subparallel beyond disc, occasionally infusate at apex of disc; areolae of triangular posterior projection gradually increase in size on basal third, abruptly larger toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, subparallel beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum convex with short, thickened setae. Legs dark-brown; coxae short, globose, distal margins with dense, thickened setae; trochanters, subequal in length to coxae, beset with minute pubescence; femora dark-brown, short, stout, widest near middle, with

whitish minute setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora; basitarsi dark-brown, minute; distitarsi dark-brown, elongate, nearly one-fourth length of tibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen,; hypocostal area uniseriate, areolae larger on basal third, becoming smaller beyond middle; costa extremely sinusoidal, tannish-brown, fuscous brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta dark-brown; subcostal area dark-brown, lighter brown near apex of discoidal area, uniseriate, subvertical, beset with downcurved setae along discoidal cell; R+M vein dark-brown, sinusoidal; discoidal area light-brown on basal and apical fourth, dark-brown near middle, broad, midpoint near apex of triangular posterior projection, each comprised of five to six rows of areolae at widest, areolae with minute pubescence; each cubitus vein mostly straight on half, weakly raised; sutural areas dark-brown near middle, each with a fuscous “Y” shaped mark, hyaline in apex, moderately large, with nine to ten rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, densely covered with golden colored setae; eighth paratergites broadly and weakly excavate on basal fourth, connected to broad vertical furrow from base to dorsal third; ninth paratergites stout, weakly depressed on basal third, middle with an abrupt eminence projected laterally, abruptly truncate near apex and lateral margins, excavate on apical third, beset with slender elongate setae. Pygophore red-brown, covered with minute setae, narrow, slightly narrower than preceding abdominal segment,

ventral basal depressions deep, extending laterad, not directed dorsally on lateral margins; dorsal posterior margin with a broad mesial depression; parameres dark-brown, lighter red-brown near apex, stout near base, slender near apex, curved, appearing stout in lateral view, setose on postero-lateral margins.

Measurements. Male. (n = 3) Length: (4.08)–4.49; width at widest: (1.26)–1.32; Head: Scape: 0.13–(0.20); pedicel: (0.16)–0.22; basiflagellomere: (1.05)–1.22; distiflagellomere: 0.44(0.45)–0.49; interocular distance: 0.30(0.31)–0.33; Thorax: Thickness of thorax: (0.99)–1.07; width at humeral angles: (1.18)–1.26; length of pronotum in dorsal view: (1.90)–2.01; length of hemelytron: (2.92)–3.14; length of discoidal area: (1.36)–1.45; width of discoidal area: (0.39)–0.42; Abdomen: Length: 1.62(1.74)–1.85; length of pygophore: 0.43–(0.51)0.52; width of pygophore: 0.65–(0.67). Female. (n = 2) Length: 4.48–4.63; width at widest: 1.40–1.47; Head: Scape: 0.18–0.19; pedicel: 0.15–0.16; basiflagellomere: 0.94–1.02; distiflagellomere: 0.40–0.43; interocular distance: 0.30–0.36; Thorax: Thickness of thorax: 1.07; width at humeral angles: 1.27–1.31; length of pronotum in dorsal view: 2.01–2.11; length of hemelytron: 3.19–3.28; length of discoidal area: 1.55–1.73; width of discoidal area: 0.46–0.51; Abdomen: Length: 1.95–2.18; length of female terminalia: 0.81; width of female terminalia: 0.89–0.94.

Type specimen. BRAZIL: Nova Teutonia, Santa Catarina 27°11' N 52°23' W May 1976 Fritz Plaumann (♂ TAMU).

Comments. This species may correspond to other reports of *Teleonemia prolixa* even those used for biological control of *Lantana* spp. in *Australia*. Examination of voucher material is needed to confirm if this species was used for biocontrol, or if true *T. prolixa* was used. See *T. prolixa*.

Geographic distribution. Brazil: Minas Gerais, Rio de Janeiro, Santa Catarina;
Paraguay: Central, Cordillera.

Ecology. Plant associations: possibly *Lantana* sp.

Material examined. Paratypes: Tres Xloas; Coll Camille Van Volxem.; Distant Coll. 1911-383. (2♂1♀ NHMUK); Same data as preceding except Saccari Fabr. (1♀ NHMUK); BRAZIL: Parana Curitiba II-6-1961 N. Marston-3 (1♂ KSUC); RioJaneiro N.Dorckioc; rio janeiro; Teleonemia sacchari F. (1♂ NHMUK); PETROPOLIS Feb.y 1857 H. Clark (1♀ NHMUK); Viçosa - MG Brasil, 11/04/90 G. A. R. Melo; Tingidae; FIUZA RMS (1♀ TAMU); Diamantina, Minas Geraes. BRAZIL 14.18Nov'19Cornell University Exped.; Teleonemia prolixa Stål; Cornell U. Lot. 833 Sub. 10 (1♂ CUIC); 12/V/1936 Brazilien Nova Teutonia 27° 11' B, 52° 23' L Fritz Plaumann (1♂ LSAM); Same as preceding except 1/X/39 (1♀ LSAM); New Teutonia Brazil Oct. 18, 1927 (3♂1♀ LSAM). BRAZIL: São Paulo Cipó 12 January 1975, Coll. V. N. Alin (1♀ DARC); BRAZIL: São Paulo São Paulo 2 September 1976 Coll. V. N. Alin 1♂ DARC); PARAGUAY, Dept. Central, Capitata 7-7-1968 C. W. & L. O'Brien (♀ UGCA); PARAGUAY: Cordillera Prov., San Bernardion Oct 16 1955 H. E. Milliron (1♀ CMNH). Other specimens examined: New Teutonia Brazil Jan. 1939 Fritz Plaumann (1♂1♀ LSAM).

Teleonemia (Teleonemia) n. sp. 28

Teleonemia prolixa: Drake 1931b: 510 [misdet.] [Peru].

Diagnosis. *Teleonemia (Teleonemia) n. sp. 28* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of

pedicels, pilose, medial spine porrect, rostrum reaching posterior margin of metasternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal third, infusate near middle or until near apex, occasionally fuscous band broken near middle, and ninth paratergites of female each with an abrupt tuberculate process, projecting weakly laterad and posteriorly.

Description. Generally elongate, slender, variegated brown species with brown-colored setae. **Head.** Short, dark-brown; occipital spines tannish-brown, slender, weakly incurved near base, porrect, apices reaching anterior margins of eyes and base of medial spine, as long as width of eye; medial spine slightly darker brown than occipital spines, stout, elongate, reaching apices of frontal spines, porrect, two-thirds length of occipital spines, base with thickened brown setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, subequal in length to eye width; pedicel elongate, as long as scape, with slender, curved brown setae; basiflagellomere with slender brown setae, stout throughout much of length, weakly clavate near apex, five and one-half to six times length of scape; distiflagellomere darker infusate, two and one-half times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes large, D-shaped, anterior margin broadly rounded. Maxillary plates with downcurved tan setae; clypeus dark red-brown, covered with thickened tan downcurved setae; bucculae moderately tall, height subequal to width of eye, biseriate, lateral margins with thickened downcurved setae,

apical margin produced anteriorly, apex subparallel with apex of clypeus, contiguous apically, ventral margin tan, weakly curved in lateral view. Rostrum dark-brown, moderately elongate, extending to posterior margin of metasternum, apical half of apical segment infusate.

Thorax. Pronotal collar narrow, brown; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal diameter of punctures; calli brown, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, weakly produced anteriorly, five areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margin of pronotum, uniseriate opposite humeral angles; pronotal carinae, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina infusate at apex of disc, lighter posteriorly, as tall as lateral carinae; lateral carinae lighter yellow, mostly subparallel beyond disc; areole of triangular posterior projection gradually increase in size on basal third, abruptly larger toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum flat with short, thickened setae. Legs brown; coxae short, globose, distal margins with dense, thickened setae; trochanters, subequal in length to coxae, beset with downcurved setae; femora brown, short, stout, widest near middle, with tan setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora and trochanter combined;

basitarsi infusate, dark-brown, minute; distitarsi concolorous with basitarsi, elongate, nearly one fifth length of pro tibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, becoming smaller beyond middle; costa sinusoidal, tan, fuscous brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta tannish-brown; subcostal area tannish-brown, uniseriate, subvertical, beset with downcurved setae along discoidal cell; R+M vein dark-brown, sinusoidal; discoidal area light-brown, dark-brown near middle of cubitus vein, broad, midpoint near apex of triangular posterior projection, each comprised of five to six rows of areolae at widest, areolae margined with minute setae; each cubitus vein mostly straight on half, weakly raised; sutural areas tannish-brown, dark-brown near middle, each with a fuscous “Y” shaped mark, hyaline in apex, moderately large, with seven to eight rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating beyond halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest before middle, densely covered with golden colored setae; eighth paratergites broadly and weakly excavate on basal fourth, connected to broad vertical furrow near basal suture from base to dorsal third; ninth paratergites stout, weakly depressed on basal third, middle with an abrupt tuberculate process, projecting weakly laterad and posteriorly, abruptly truncate near apex and lateral margins, excavate on apical third, beset with slender elongate setae near apex and lateral margins. Pygophore red-brown, covered with minute setae, stout. slightly narrower than preceding abdominal segment, ventral basal

depressions deep, extending laterally and dorsally on lateral margins; dorsal posterior margin with a narrow, weak mesial depression; parameres brown, lighter brown near apex, stoutest near base, stout throughout length in lateral view, curved on apical third, setose on postero-lateral margins.

Measurements. Male. (n = 3) Length: (3.67)–3.93; width at widest: (1.15)–1.18; Head: Scape: (0.15)–0.21; pedicel: (0.17)–0.18; basiflagellomere: (1.08)–1.18; distiflagellomere: (0.45)–0.53; interocular distance: (0.30)–0.31; Thorax: Thickness of thorax: (0.86)–0.93; width at humeral angles: (1.03)–1.12; length of pronotum in dorsal view: (1.73)–1.87; length of hemelytron: (2.62)–2.81; length of discoidal area: (1.29)–1.35; width of discoidal area: (0.36)–0.38; Abdomen: Length: (1.72)–1.91; length of pygophore: 0.45–(0.50)0.51; width of pygophore: (0.56)0.57–0.59. Female. (n = 2) Length: 3.91–3.98; width at widest: 1.30–1.32; Head: Scape: 0.15–0.17; pedicel: 0.16–0.18; basiflagellomere: 1.00–1.03; distiflagellomere: 0.45–0.48; interocular distance: 0.32–0.35; Thorax: Thickness of thorax: 0.94; width at humeral angles: 1.17; length of pronotum in dorsal view: 1.87–1.94; length of hemelytron: 2.66–2.80; length of discoidal area: 1.44–1.46; width of discoidal area: 0.44–0.46; Abdomen: Length: 1.87–2.02; length of female terminalia: 0.69–0.81; width of female terminalia: 0.76–0.77.

Type specimen. PERU Cañete, June 1942, EJ Hambleton; OSUC 775826 (♂ OSUC).

Geographic distribution. Colombia: Valle del Cauca; Peru: Lima

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: La Cumbre Colombia VI-2-14 6600ft H.S. Parish; Teleonemia prolixa Stål Det. Oscar Monte (1♂ CUIC); Same data as holotype (4♂2♀ OSUC); Chosica Peru 16.VI.14 S.A. H. S. Parish; J. R. de la Torre-Bueno Collection K. U. (1♂ SEMC).

Other specimens examined: Colom., Valle Pichinde, VII. 19.1970, 5,000' J. M. Campbell (2♂ CNC); Chosica Peru 16.VI.14 S.A. H. S. Parish; J. R. de la Torre-Bueno Collection K. U. (1♀ SEMC); Lima PERU 16 May 1920; Cornell Univ. Expedition. [sic] Lot 569; Cornell U. Lot. 833 Sub. 10 (1♀ CUIC).

Teleonemia (Teleonemia) n. sp. 30

Diagnosis. *Teleonemia (Teleonemia) n. sp. 30* is separated from all species of *T. (Teleonemia)* by a combination of the following characters: shorter than 4mm, general color tan brown, distiflagellomeres weakly clavate, medial spine short, porrect, mesosternal laminae widening throughout, unicolorous tan costa, uniseriate costal and subcostal areas, subcostal areas with only a few downcurved setae, discoidal area not unicolorous, slightly darker in color near apex and near middle of cubitus veins, not setose, dorsal lateral margins of male eighth abdominal segment with triangulate projections, and by the ninth paratergites each middle with a weak eminence truncate laterally and abruptly truncate near apex.

Description. Generally short, slender, tannish-brown species with brown-colored setae.
Head. Short, dark black-brown; occipital spines tannish-brown, stout, weakly incurved near base, erect to porrect, apices not reaching anterior margins of eyes or base of medial spine, two-thirds to as long as width of eye; medial spine concolorous with occipital spines, stout, short, not reaching apices of frontal spines, porrect, subequal to the length of occipital spines, base with downcurved golden setae; paired frontal spines erect, not produced anteriorly beyond clypeus, incurved, apices touching, two-thirds length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown:

scape barrel-shaped, subequal in length to eye width; pedicel elongate, as long as scape, with slender, curved brown setae and whitish wax; basiflagellomere with slender brown setae and whitish wax, stout throughout much of length, weakly clavate near apex, five to six times length of scape; distiflagellomere darker infuscate, two and one-half times length of scape, broadly clavate, widest on apical third, truncate apically. Eyes very large, D-shaped, anterior margin broadly rounded. Maxillary plates with downcurved tan setae; clypeus dark red-brown, covered with thickened tan downcurved setae; bucculae narrow, two-thirds as tall as width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin truncate, apex subparallel with apex of clypeus, contiguous apically, ventral margin lighter tan, ventral margins mostly flat in lateral view. Rostrum dark-brown, moderately elongate, extending to posterior margin of mesosternum, apical half of apical segment infuscate.

Thorax. Pronotal collar narrow, tannish-brown; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal diameter of punctures; calli dark black-brown, margined with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly covering bases of occipital spines, five areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margin of pronotum, uniseriate opposite humeral angles; pronotal carinae tan, lighter colored on posterior projection, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina as tall as lateral carinae; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size on basal third, abruptly larger toward apex, margined with

downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum convex, lateral margins with thickened setae. Legs brown; coxae dark-brown, short, globose, distal margins with dense, thickened setae; trochanters brown, subequal in length to coxae, beset with downcurved setae; femora light-brown, short, stout, widest near middle, with tan setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi dark-brown, minute; distitarsi concolorous with basitarsi, elongate, more than one-fourth length of protibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-quarter length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger near middle, smaller elsewhere; costa mostly straight, very weakly sinusoidal, tan, fuscous brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta tannish-brown; subcostal area tannish-brown, uniseriate, subvertical, beset with few downcurved setae along discoidal cell; R+M vein tannish-brown, weakly sinusoidal; discoidal area tannish-brown, moderately slender, midpoint near apex of triangular posterior projection, each comprised of five rows of areolae at widest, areolae devoid of setae; each cubitus straight on half, raised; sutural areas brown, lighter brown in apex, moderately large, with eight to nine rows of areolae at widest, areolae near base slightly larger than discoidal area,

gradually increase in size towards apex. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating beyond halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, slender, widest before middle, densely covered with tan colored setae, postero-lateral margins of last abdominal segment in male with prominent spinose triangular projections laterally; eighth paratergites broadly and deeply depressed on basal fourth, connected to narrow vertical furrow in middle from base to dorsal third; ninth paratergites stout, broadly rounded in base, excavate on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, covered with minute setae, narrow, one-third narrower than preceding abdominal segment, ventral basal depressions deep, not extending laterally and dorsally on lateral margins; dorsal posterior margin flat; parameres dark-brown, lighter brown near apical half, stoutest near base, slender beyond basal third, curved on apical half, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 3) Length: 3.56–(3.67); width at widest: 1.00–(1.07); Head: Scape: 0.14–(0.15); pedicel: 0.14–(0.15); basiflagellomere: (0.75)–0.91; distiflagellomere: (0.38)–0.41; interocular distance: (0.27)–0.31; Thorax: Thickness of thorax: 0.85–(0.88); width at humeral angles: 0.94–(1.04); length of pronotum in dorsal view: 1.65(1.68)–1.73; length of hemelytron: 2.46–(2.68); length of discoidal area: 1.22(1.27)–1.32; width of discoidal area: 0.26–(0.31); Abdomen: Length: 1.85–(1.97); length of pygophore: 0.41–(0.49); width of pygophore: 0.45(0.46)–0.55. Female. (n = 2) Length: 3.95; width at widest: 1.13; Head: Scape: 0.15; pedicel: 0.16; basiflagellomere: 0.75; distiflagellomere: 0.39; interocular distance: 0.30; Thorax: Thickness of thorax: 0.91; width at humeral angles: 1.07; length of pronotum in dorsal view: 1.82; length of hemelytron: 2.73; length of discoidal area: 1.30; width of discoidal area:

0.37; Abdomen: Length: 1.86–2.07; length of female terminalia: 0.83; width of female terminalia: 0.82.

Type specimen. BOLIVIA Santa Cruz 4-5k N Achira, Rd. to Amboro 12-13 Oct. 2000 Wappes & Dozier (♂ UGCA).

Geographic distribution. Argentina: Santiago del Estero; Bolivia: Cochabamba, La Paz. Santa Cruz.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: MUSEUM PARIS PROV. DE SANTIAGO DEL ESTERO BORDS DU RIO SALADO AVERIAS E. R. WAGNER 1909 (3♂2♀ MNHN); MUSEUM PARIS CHACO DE SANTIAGO DEL ESTERO BORDS DU RIO SALADO LA PALISA DEL BRACO 25 KIL. N. O. D'ICANO E. R. WAGNER 1909 (1♀ MNHN); same data as holotype (1♂1♀ UGCA); Other specimens examined: BOLIVIA, Dpto. Cochabamba, Prov. Chapare, Incachaca 17.24°S, 65.82°W, 2270 m, 20-IV-2005, S. M. Clark (1♂ BYUC); BOLIVIA, Dpto. La Paz Prov. Nor Yungas, 1.5 km S. of Coroico, 16.204°S, 67.727°W, elev. 1830 m, 16-III-2016, S. M. Clark; Brigham Young University Arthropod Collection BYUC120000 (1♀ BYUC).

Teleonemia (Teleonemia) n. sp. 31

Diagnosis. *Teleonemia (Teleonemia) n. sp. 31* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color dark-brown with cream colored setae, basiflagellomeres slightly narrower than

widths of pedicels, pilose, distiflagellomeres weakly clavate on apical third, medial spine erect, short, not surpassing bases of paired frontal spines, occipital spines short, reaching middle two-thirds of eyes, reaching base of medial spine, paired frontal spines short, subequal in length to medial spine, rostrum reaching middle of metasternum, anterior margin of prothorax weakly angled ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein moderately thick, comprising half of carina height, mesosternal laminae subparallel beyond basal third, femora smooth, ostiolar peritremes ovate, ear-shaped, costal veins tan infusate on apical fourth, subcostal areas uniseriate, with few to many downcurved setae along discoidal area, discoidal areas setose near basal and lateral margins, discoidal areas lighter tan on basal third, infusate until near apex, and ninth paratergites of female each weakly depressed on basal fourth, with a mesial vertical ridge produced laterad into a tuberculate eminence, extremely excavate laterally and on apical third.

Description. Generally short, slender, brown species with whitish setae. **Head.** Short, dark red-brown; occipital spines brown, slender, strongly incurved near base, porrect, apices not reaching anterior margins of eyes, nearly reaching base of medial spine, as long as width of eye; medial spine concolorous with head, stout, extremely short, tuberculate, not reaching bases of frontal spines, erect, less than one-fourth the length of occipital spines, base with downcurved golden setae; paired frontal spines erect, not produced anteriorly beyond clypeus, subparallel, subequal to length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, subequal in length to eye width; pedicel elongate, as long as scape, with slender, curved tan setae; basiflagellomere with slender tan setae, moderately slender throughout much of length, weakly clavate near apex, six times length of scape; distiflagellomere darker infusate, two times

length of scape, weakly clavate, widest on apical third, truncate apically. Eyes very large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured by downcurved whitish setae; clypeus dark red-brown, covered with thickened whitish downcurved setae; bucculae narrow, subequal in height to width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin produced slightly beyond apex of clypeus, contiguous apically, ventral margin lighter tan, ventral margins angulate in lateral view. Rostrum dark-brown, moderately elongate, extending to apical third of metasternum, apical half of apical segment infusate.

Thorax. Pronotal collar narrow, tannish-brown, distinctly angled ventrally in lateral view; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal to one and one-half times diameter of punctures; calli dark black-brown, almost completely covered with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly covering bases of occipital spines, five areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, lighter colored on posterior projection, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina as tall as lateral carinae; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size on basal third, abruptly larger toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly

widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum flat, with thickened setae. Legs brown; coxae dark-brown, short, globose, distal margins with dense, thickened setae; trochanters brown, subequal in length to coxae, beset with downcurved setae; femora brown, short, stout, widest near middle, with whitish setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi dark-brown, minute; distitarsi concolorous with basitarsi, elongate, more than one-fourth length of protibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-quarter length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae on basal third larger, smaller beyond; costa weakly sinusoidal, light-brown, darker fuscous brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond apex of discoidal cell; subcosta brown; subcostal area brown, uniseriate, subvertical, beset with few downcurved setae along discoidal cell; R+M vein dark-brown, weakly sinusoidal; discoidal area gray- on basal fourth, dark-brown beyond, slightly gray-brown near absolute apex, moderately broad, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; each cubitus straight near posterior half, raised; sutural areas gray-brown, darker brown near middle, hyaline on apical third, moderately large, with nine rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings gray-brown, extending beyond apex of abdomen terminating beyond halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, densely covered with whitish colored setae; eighth paratergites broadly and deeply depressed on basal fourth, connected to narrow vertical furrow in middle from base to dorsal third; ninth paratergites stout, each weakly depressed on basal fourth, with a mesial vertical ridge produced laterad into a tuberculate eminence, extremely excavate laterally and on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, covered with minute setae, stout, slightly narrower than preceding abdominal segment, ventral basal depressions deep, not extending laterally and dorsally on lateral margins; dorsal posterior margin flat; parameres dark-brown, lighter brown near apical half, stoutest near base, slightly narrowed towards apex, curved on apical half, setose on postero-lateral and ventral margins.

Measurements. Male. (n =2) Length: (3.64)–3.75; width at widest: 1.14–(1.15); Head: Scape: 0.14–(0.15); pedicel: 0.14–(0.15); basiflagellomere: (0.94)–1.00; distiflagellomere: (0.35)–0.37; interocular distance: (0.28)–0.32; Thorax: Thickness of thorax: 0.88–(0.92); width at humeral angles: (1.06)–1.08; length of pronotum in dorsal view: (1.69)–1.78; length of hemelytron: (2.45)–2.68; length of discoidal area: (1.26)–1.29; width of discoidal area: 0.35–(0.38); Abdomen: Length: (1.70)–1.71; length of pygophore: 0.48–(0.49); width of pygophore: (0.55)–0.61. Female. (n =1) Length: 3.71; width at widest: 1.20; Head: Scape: 0.14; pedicel: 0.14; basiflagellomere: 0.88; distiflagellomere: 0.35; interocular distance: 0.31; Thorax: Thickness of thorax: 0.88; width at humeral angles: 1.14; length of pronotum in dorsal view: 1.78; length of hemelytron: 2.57; length of discoidal area: 1.36; width of discoidal area: 0.42; Abdomen: Length: 1.68; length of female terminalia: 0.60; width of female terminalia: 0.64.

Type specimen. BOLIVIA, Dpto. Sta. Cruz, Provincia Florida, 4 km S. Samaipata, 1891 m, 18.216°S, 63.870°W, 5-III-2016, S. M. Clark (♂ BYUC)

Geographic distribution. Bolivia: Santa Cruz.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: same data as holotype (1♂ BYUC); BOLIVIA, Dpto. Sta. Cruz, Provincia Florida, 4.8 km E. of Samaipata, 18.174°S, 63.830°W, 1558 m, 6-III-2016, S. M. Clark (1♀ BYUC).

Teleonemia (Teleonemia) n. sp. 32

Diagnosis. *Teleonemia (Teleonemia) n. sp. 32* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine erect, extremely short, tuberculate, not reaching bases of paired frontal spines, rostrum reaching middle of metasternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, ostiolar peritremes narrow in ventral margins, tear-shaped, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, beset with few occasional setae, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal fourth, infusate until near apex, and ninth paratergites of female each with a mesial vertical ridge produced laterad into a tuberculate eminence, extremely excavate laterally and on apical third.

Description. Generally short, stout, brown species with cream-colored setae. **Head.** Short, dark red-brown, densely covered with setae; occipital spines tannish-brown, slender,

strongly incurved near base, porrect, apices not reaching anterior margins of eyes, nearly reaching base of medial spine, as long as width of eye; medial spine concolorous with head, stout, extremely short, tuberculate, not reaching bases of frontal spines, erect, less than one-third the length of occipital spines, base with downcurved cream-colored setae; paired frontal spines erect, not produced anteriorly beyond clypeus, incurved, subequal to length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, subequal in length to eye width, with cream-colored wax; pedicel elongate, as long as scape, with slender, curved tan setae; basiflagellomere with slender tan setae, moderately stout throughout much of length, weakly clavate near apex, six and one-half to seven times length of scape; distiflagellomere darker infusate on apical half, two to and one-half times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes very large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured by downcurved cream-colored setae; clypeus dark red-brown, covered with thickened cream-colored downcurved setae; bucculae narrow, subequal in height to width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin produced slightly beyond apex of clypeus, contiguous apically, ventral margin lighter tan, ventral margins weakly sinusoidal in lateral view. Rostrum dark-brown, moderately elongate, extending to middle of metasternum, apical fourth of apical segment infusate.

Thorax. Pronotal collar moderately narrow, brown, weakly angled ventrally in lateral view; pronotum brown, punctate, punctures deep, margined with downcurved cream-colored setae, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures; calli dark red-brown, almost completely covered with downcurved setae; pronotal hood extremely low, lower than disc, two areolae tall, broad near collar, roof-like, moderately

produced anteriorly covering bases of occipital spines, four areolae long, extremely narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, lighter colored on posterior projection, uniseriate, low, areolae small, distinctly elevated from pronotal disc; median carina as tall as lateral carinae; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, widest apart near base, narrowed posteriorly; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum concave, with thickened setae. Legs brown; coxae brown, short, globose, distal margins with dense, thickened setae; trochanters brown, subequal in length to coxae, beset with minute downcurved setae; femora brown, short, stout, widest near middle, with whitish wax and setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi brown, minute; distitarsi dark-brown, elongate, more than one-fourth length of protibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tannish-brown, darker brown near middle and apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, uniform in

size, elongate; subcosta brown; subcostal area brown, darker brown near middle, uniseriate, subvertical, beset with few downcurved setae along discoidal cell; R+M vein dark-brown, weakly sinusoidal; discoidal area tannish-brown on basal fourth, dark-brown beyond, slightly tannish-brown near apical fourth, moderately broad, midpoint near apex of triangular posterior projection, each comprised of five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein infuscate near middle, mostly straight on half, raised; sutural areas brown, lighter tan-darker brown along post-cubitus and near apex, translucent on apical third, moderately large, with nine to ten rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen two-thirds between apices of abdomen and hemelytra.

Abdomen. Dark-brown, ovate, widest before middle, densely covered with cream-colored setae; eighth paratergites broadly and deeply depressed on basal fourth, connected to wide vertical furrow in middle from base to dorsal third; ninth paratergites stout, each weakly rounded on basal fourth, with a mesial vertical ridge produced laterad into a tuberculate eminence, extremely excavate laterally and on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, covered with minute setae, stout, slightly narrower than preceding abdominal segment, ventral basal depressions deep, weakly extending laterally and dorsally on lateral margins; dorsal posterior margin with a weak mesal depression; parameres dark-brown, red-brown near apical half, stoutest near base, stout throughout, slightly narrowed towards apex, curved on apical half, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 3) Length: 3.74–(4.02)4.08; width at widest: 1.16(1.19)–1.23; Head: Scape: 0.13–(0.16); pedicel: 0.14–(0.16); basiflagellomere: (1.00)–1.01; distiflagellomere: (0.34)–0.42; interocular distance: 0.29–(0.31); Thorax: Thickness of thorax: 0.88(0.91)–0.96;

width at humeral angles: 1.09(1.10)–1.16; length of pronotum in dorsal view: 1.72(1.82)–1.92; length of hemelytron: 2.70(2.86)–2.95; length of discoidal area: 1.36(1.38)–1.48; width of discoidal area: (0.35)–0.37; Abdomen: Length: 1.76–(1.86); length of pygophore: (0.52)–0.54; width of pygophore: 0.55(0.59)–0.65. Female. (n = 2) Length: 4.06–4.12; width at widest: 1.31–1.32; Head: Scape: 0.15–0.17; pedicel: 0.15–0.16; basiflagellomere: 0.91–0.92; distiflagellomere: 0.33–0.37; interocular distance: 0.32; Thorax: Thickness of thorax: 0.96; width at humeral angles: 1.15–1.20; length of pronotum in dorsal view: 1.86–1.90; length of hemelytron: 2.85–2.92; length of discoidal area: 1.48–1.52; width of discoidal area: 0.42; Abdomen: Length: 1.98–2.14; length of female terminalia: 0.77–0.81; width of female terminalia: 0.75–0.79.

Type specimen. BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Paco, near Coroico, 16°11'S, 67°43'W, 5400 ft., 13-XI-2009, S. M. Clark (♂ BYUC).

Geographic distribution. Argentina: Salta, Tucumán; Bolivia: La Paz.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Pankarani, elev. 6000 ft., 16° 12.76'S, 67° 43.54'W 12-XII-2008, S. M. Clark (1♂1♀ BYUC); BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Pankarani, 16° 12.8'S, 67° 43.54'W, elev. 6000 ft., 29-XI-2011, S. M. Clark (2♀ BYUC); BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Chica Parque, near Coroico, 16°11.2'S, 67°43.4'W, 5090 ft., 30-XI-2011, S. M. Clark (1♀ BYUC); BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Chica Parque, near Coroico, 16°11'S, 67°44'W, 5130 ft., 12-XI-2009, S. M. Clark (1♀ BYUC); BOLIVIA, Dpto. La Paz, Prov. Nor Yungas, Chica Parque, near Coroico, 30-XI-2011, S. M. Clark (2♂1♀ BYUC); BOLIVIA, Dpto. La Paz, Prov. Nor Yungas,

Coroico, 16.188°S, 67.728°W, elev. 1750 m, 3-V-2006, S. M. Clark (2♂1♀ BYUC). Other specimens examined: Parque Aconquija Tucuman Argentina 24 Feb'20. Cornell University Exped.; *Teleonemia prolixa* Stål Det. Oscar Monte (1♀ CUIC); Salta, Salta 10-III-1939, BirabenScott Leg. (1♀ NHMUK).

Teleonemia (Teleonemia) n. sp. 33

Teleonemia sacchari: Uhler 1894: 202 (note) [Grenada].

Teleonemia sp. Champion 1898a: 39 (note).

Teleonemia bifasciata: Drake & Bruner 1924: 145 (note) [Grenada];

Diagnosis. *Teleonemia (Teleonemia) n. sp. 33* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, rostrum reaching posterior margin of mesosternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolae, dorsal vein extremely thick, comprising three quarters height of carina, mesosternal laminae subparallel, femora smooth, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal area with transverse infusate band.

Description. Generally short, stout, brown and yellow species with golden-colored setae.
Head. Short, dark red-brown, densely covered with setae; occipital spines tannish-brown, slender, strongly incurved near base, erect to porrect, apices not reaching anterior margins of

eyes, nearly reaching base of medial spine, as long as width of eye; medial spine darker tannish-brown, stout, short, tuberculate, erect, not reaching bases of frontal spines, erect, less than one-third the length of occipital spines, base with downcurved cream-colored setae; paired frontal spines erect, not produced anteriorly beyond clypeus, incurved, apices touching, subequal to length of medial spine; antenniferous tubercles short, one-half as long as width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown: scape barrel-shaped, subequal in length to eye width, with golden colored setae; pedicel elongate, three-quarters as long as scape, with slender, curved tan setae; basiflagellomere with slender tan setae, moderately stout throughout much of length, weakly clavate near apex, five and one-half to six times length of scape; distiflagellomere darker infuscate on apical half, two to two and one-half times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes very large, D-shaped, anterior margin broadly rounded. Maxillary plates obscured by downcurved cream-colored setae; clypeus dark red-brown, covered with thickened cream-colored downcurved setae; bucculae narrow, subequal in height to width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin produced slightly beyond apex of clypeus, contiguous apically, ventral margin lighter tan, ventral margins mostly flat in lateral view. Rostrum dark-brown, moderately elongate, extending to apical margin of metasternum, apical half of apical segment infuscate.

Thorax. Pronotal collar moderately narrow, tannish-brown; pronotum red-brown, punctate, punctures deep, margined with downcurved cream-colored setae, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures; calli dark red-brown, almost completely covered with downcurved setae; pronotal hood roof-like, low, lower than disc, three areolae tall in lateral view, broad near collar, roof-like, moderately produced anteriorly covering bases of occipital spines, four to five areolae long, narrow and not tumid

posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae tannish-brown, lighter colored on posterior projection, uniseriate, tall, areolae small, distinctly elevated from pronotal disc; median carina slightly more elevated than lateral carinae, dorsal vein extremely thick, comprising three quarters height of carina; lateral carinae thick, dorsal vein comprising two-thirds carinae height, mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum convex, with thickened setae. Legs brown; coxae brown, short, globose, distal margins with dense, thickened setae; trochanters brown, subequal in length to coxae, with few minute downcurved setae; femora brown, short, stout, widest near middle, with minute setae; tibiae slender, concolorous with femora, subequal to length of femora and trochanter combined; basitarsi brown, minute; distitarsi darker brown, elongate, more than one-fourth length of protibiae, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tannish-brown, darker brown near middle and apical fourth; costal area uniseriate, areolae hyaline, except fuscous band

on apical fourth, larger beyond discoidal cell; subcosta brown; subcostal area brown, darker brown near middle, uniseriate, subvertical, beset with many downcurved setae along discoidal cell; R+M vein brown, darker near middle, weakly sinusoidal; discoidal areatannish-brown on basal fourth, dark-brown beyond, slightly tannish-brown near extreme apex, moderately slender, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein brown, mostly straight on half, raised; sutural areas brown, darker brown near middle, translucent near apex, moderately large, with eight rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest before middle, densely covered with cream-colored setae; eighth paratergites broadly and deeply depressed on basal third, connected to wide vertical excavation in middle third to apical fourth; ninth paratergites small, each with a basal “U” shaped depression near mesal margins, extremely excavate on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, lateral margins covered with dense setae, stout, slightly narrower than preceding abdominal segment, ventral basal depressions deep, weakly extending laterally and dorsally on lateral margins, filled with dense setae; dorsal posterior margin with a weak mesal depression; parameres dark-brown, red-brown near apical half, stoutest near base, stout throughout, slightly narrowed towards apex, curved on apical half, dorsal margins weakly flattened near apical third, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 2) Length: 3.81–(3.81.); width at widest: (1.15)–1.18; Head: Scape: 0.15–(0.16); pedicel: (0.14)–0.16; basiflagellomere: (0.95)–0.96; distiflagellomere: 0.44–

(0.45); interocular distance: 0.25–(0.26); Thorax: Thickness of thorax: (0.96)–0.97; width at humeral angles: (1.13)–1.16; length of pronotum in dorsal view: (1.76)–1.80; length of hemelytron: 2.63–(2.66); length of discoidal area: 1.20–(1.28); width of discoidal area: 0.32–(0.32); Abdomen: Length: (1.77)–1.93; length of pygophore: 0.34–(0.35); width of pygophore: 0.55–(0.57). Female. (n = 2) Length: 4.01–4.08; width at widest: 1.26–1.37; Head: Scape: 0.16–0.17; pedicel: 0.14–0.15; basiflagellomere: 0.97–1.01; distiflagellomere: 0.45–0.47; interocular distance: 0.29–0.30; Thorax: Thickness of thorax: 0.99–1.09; width at humeral angles: 1.20–1.23; length of pronotum in dorsal view: 1.93–1.97; length of hemelytron: 2.71–2.79; length of discoidal area: 1.28–1.40; width of discoidal area: 0.34–0.43; Abdomen: Length: 1.80–1.94; length of female terminalia: 0.61–0.88; width of female terminalia: 0.65–0.71.

Type specimen. 106; Mount Gay Est. (Leeward side) Grenada, W. I., H. H. Smith; 95-206 (♂ NHMUK).

Geographic distribution. Grenada.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: Mount Gay Est. (Leeward side) Grenada, W. I. H. H. Smith 28; 95-206. (1♂ 3♀ NHMUK); Same as preceding except *Teleonemia* Nsp ? GCC (1♂ NHMUK); Balthazar (Windward side) Grenada, W. I. H. H. Smith 28; 95-206. (2♂ NHMUK).

Teleonemia (Teleonemia) n. sp. 34

Diagnosis. *Teleonemia (Teleonemia) n. sp. 34* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm,

general color yellow-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine porrect, elongate, surpassing bases of paired frontal spines, rostrum reaching middle of metasternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, setose throughout, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal third, infusate near middle or until near apex, occasionally fuscous band broken near middle, and ninth paratergites of female each with an abrupt tuberculate process, projecting weakly laterad and posteriorly.

Description. Generally elongate, stout, yellow-brown species with tan setae. **Head.** Short, dark red-brown, moderately covered with setae; occipital spines tannish-brown, slender, strongly incurved near base, porrect, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-quarter as long as width of eye; medial spine concolorous with head, stout, moderately elongate, tuberculate, nearly reaching apices of frontal spines, porrect, two-thirds length of occipital spines, base with downcurved tan setae; paired frontal spines erect, produced anteriorly beyond clypeus, incurved, subequal to length of medial spine; antenniferous tubercles short, two-thirds as long as width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown: scape barrel-shaped, one and one-third as long as eye width, with tan setae; pedicel elongate, two-thirds length of scape, with slender, curved brown setae; basiflagellomere with slender tan setae, moderately stout throughout much of length, weakly clavate near apex, five times length of scape; distiflagellomere darker infusate, two and one-half times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes large, D-

shaped, anterior margin broadly rounded. Maxillary plates obscured by downcurved cream-colored setae; clypeus dark red-brown, covered with thickened cream-colored downcurved setae; bucculae narrow, subequal in height to width of eye, biseriate, lateral margins with thickened downcurved setae, apical margin produced slightly beyond apex of clypeus, contiguous apically, ventral margin lighter tan, ventral margins broadly curved in lateral view. Rostrum dark-brown, moderately elongate, extending to middle of metasternum, apical segment infusate.

Thorax. Pronotal collar moderately narrow, tannish-brown; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal to one and one-half times diameter of punctures; calli dark red-brown, margined with downcurved setae; pronotal hood only slightly elevated, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly reaching bases of occipital spines, five areolae long, narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, lighter colored on posterior projection, uniseriate, low, areolae elongate, distinctly elevated from pronotal disc; median carina as tall as lateral carinae; lateral carinae occasionally infusate at apex of disc, mostly subparallel beyond disc; areolae of triangular posterior projection gradually increase in size toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, areolate posteriorly, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae,

crescentic-shaped, posterior margin incurved; metasternum flat, with thickened setae. Legs brown; coxae brown, short, globose, distal margins with dense, thickened setae; trochanters brown, subequal in length to coxae, beset with minute downcurved setae; femora brown, short, stout, widest near middle, with thickened downcurved setae; tibiae slender, lighter brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi infusate, minute; distitarsi concolorous with basitarsi, short, less than one-fifth length of, moderately expanded laterally near apex. Ostoliar peritremes ovate, short, nearly two times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tan, darker brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, uniform in size near middle; subcosta tannish-brown, lighter beyond basal two-thirds; subcostal area tannish-brown, darker brown near middle along R+M vein, uniseriate, subvertical, beset with downcurved setae along discoidal cell; R+M vein dark-brown near middle, weakly sinusoidal; discoidal areatannish-brown on basal fourth, dark-brown near middle, lighter near apical third, moderately broad, midpoint near apex of triangular posterior projection, each comprised of five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein infusate near middle, weakly sinusoidal on half, raised; sutural areas tannish-brown, lighter tan brown along post-cubitus and near apex, translucent on apical third, moderately large, with eight to nine rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen nearly to two-thirds between apices of abdomen and hemelytra.

Abdomen. Brown, ovate, widest before middle, densely covered with tan setae; eighth paratergites broadly and deeply depressed on basal fourth connected to wide vertical furrow in middle from base to dorsal third; ninth paratergites stout, each weakly rounded on basal fourth, with a mesial vertical ridge produced laterad into an eminence, extremely excavate laterally and on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, covered with thickened setae, stout, slightly narrower than preceding abdominal segment, ventral basal depressions deep, extending laterally and dorsally on lateral margins; dorsal posterior margin with a weak mesal depression; parameres dark red- brown, stoutest near base, extremely slender on apical half toward apex, curved on apical half, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 1) Length: (4.28.); width at widest: (1.31); Head: Scape: (0.20); pedicel: (0.17); basiflagellomere: (1.24); distiflagellomere: (0.48); interocular distance: (0.31); Thorax: Thickness of thorax: (0.94); width at humeral angles: (1.14); length of pronotum in dorsal view: (1.79); length of hemelytron: (3.06); length of discoidal area: (1.43); width of discoidal area: (0.41); Abdomen: Length: (2.08); length of pygophore: (0.64); width of pygophore: (0.55). Female. (n = 2) Length: 4.26–4.58; width at widest: 1.35–1.51; Head: Scape: 0.15–0.21; pedicel: 0.16–0.17; basiflagellomere: 0.94–1.18; distiflagellomere: 0.48–0.50; interocular distance: 0.31–0.37; Thorax: Thickness of thorax: 1.07–1.11; width at humeral angles: 1.27–1.29; length of pronotum in dorsal view: 2.00–2.09; length of hemelytron: 2.91–3.30; length of discoidal area: 1.42–1.68; width of discoidal area: 0.37–0.57; Abdomen: Length: 2.05–2.09; length of female terminalia: 0.72–0.82; width of female terminalia: 0.74–0.85.

Type specimen. VENEZUELA: Lara, 3 miles north Cubrio, 1200 meters, December 27, 1985, P. Kovarik, R. Jones (♂ TAMU).

Geographic distribution. Venezuela, Lara and Merida departments.

Ecology. Plant associations: unrecorded.

Material examined. Same data as holotype (1♀ TAMU); VENEZUELA: Merida, 5km. nw. Timotes, 1400 meters, January 3, 1986, P. Kovarik, R. Jones (3♀ TAMU).

Teleonemia (Teleonemia) n. sp. 35

Diagnosis. *Teleonemia (Teleonemia) n. sp. 35* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine porrect, short, not surpassing bases of paired frontal spines, occipital spines extremely short, reaching middle third of eyes, not reaching base of medial spine, rostrum reaching middle of metasternum, anterior margin of prothorax not distinctly angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, ostiolar peritremes ovate, ear-shaped, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, basal third with occasional setae, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal third, infusate near middle or until near apex, occasionally fuscous band broken near middle, and ninth paratergites of female each with a mesial vertical ridge produced laterad into an eminence, extremely excavate laterally and on apical third.

Description. Generally elongate, stout, tannish-brown species with tan setae. **Head.** Short, dark red-brown, with some setae; occipital spines brown, slender, extremely short,

adpressed to head, weakly incurved, apices reaching posterior third of eye, not reaching base of medial spine, one-third as long as width of eye; medial spine concolorous with head, stout, tuberculate, porrect, subequal to length of occipital spines, base with downcurved tan setae; paired frontal spines erect, produced anteriorly, not beyond clypeus, incurved, subequal to length of medial spine; antenniferous tubercles short, two-thirds as long as width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown: scape barrel-shaped, subequal in length to eye width, with tan setae; pedicel elongate, subequal to length of scape, with slender, curved brown setae; basiflagellomere with slender tan setae, moderately stout throughout length, weakly clavate near apex, five and one-half to six times length of scape; distiflagellomere darker infusate beyond basal third, three times length of scape, fusiform, widest on apical third, truncate apically. Eyes very large, D-shaped, anterior margin broadly rounded. Maxillary plates with few downcurved setae; clypeus dark red-brown, with few slender setae; bucculae moderately tall subequal in height to width of eye, triseriate, lateral margins with short, slender setae, apical margin in line with apex of clypeus, contiguous apically, ventral margin lighter tan near middle, ventral margins weakly curved in lateral view. Rostrum brown, moderately elongate, extending to middle of metasternum, apical segment infusate.

Thorax. Pronotal collar narrow, orange-brown; pronotum brown, punctate, punctures deep, margined with downcurved tan setae, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures; calli red-brown, margined with downcurved setae; pronotal hood only slightly elevated, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly reaching bases of occipital spines, five areolae long, narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral

row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, lighter colored on posterior projection, uniseriate, low, areolae rounded, distinctly elevated from pronotal disc, dorsal veins thick, comprising one half of carinae height; median carina as tall as lateral carinae; lateral carinae occasionally infusate at apex of disc, mostly subparallel beyond disc; areolae of triangular posterior projection abruptly increase in size toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, punctures margined with downcurved thickened setae on basal third. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base to basal third, widening beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum flat, setose. Legs brown; coxae brown, short, globose, distal margins with minute pubescence; trochanters brown, subequal in length to coxae, beset with minute downcurved setae; femora brown, short, stout, widest beyond middle, with minute pubescence; tibiae slender, darker brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi infusate, minute; distitarsi concolorous with basitarsi, short, less than one-fifth length of protibiae, weakly expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-half length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tannish-brown, darker brown near middle and on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond discoidal cell; subcosta tannish-brown, lighter beyond basal two-thirds; subcostal area tannish-brown, uniseriate, subvertical, with occasional downcurved setae on basal third; R+M

vein brown, weakly sinusoidal; discoidal area yellow on basal fourth, dark-brown beyond, occasionally only dark-brown near middle of cubitus vein, moderately broad, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein infuscate, slightly darker middle, mostly straight on half, raised; sutural areas brown, lighter brown along post-cubitus and near apex, translucent on apical third, moderately large, with ten to eleven rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen halfway between apices of abdomen and hemelytra.

Abdomen. Red-brown, ovate, widest before middle, densely covered with tan setae on lateral margins; eighth paratergites wide near base, broadly and deeply depressed on basal half connected to wide vertical furrow in middle to dorsal third; ninth paratergites stout, each weakly rounded on basal fourth, with a mesial vertical ridge produced laterad into an eminence, extremely excavate laterally and on apical third, beset with thickened elongate setae near apex and lateral margins. Pygophore red-brown, covered with thickened setae, stout, slightly narrower than preceding abdominal segment, pentagonal, ventral basal depressions deep, extending laterally and dorsally on lateral margins; dorsal posterior margin with a weak mesal depression; parameres red-brown, stoutest near base, weakly narrowed on apical third, curved on apical half, curved ventrally before apical third, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 3) Length: 4.06–(4.22)4.36; width at widest: (1.26)–1.40; Head: Scape: (0.16)–0.18; pedicel: (0.16) –0.19; basiflagellomere: 1.04(1.06)–1.09; distiflagellomere: 0.44–(0.50)0.55; interocular distance: (0.28)–0.29; Thorax: Thickness of thorax: 1.03(1.04)–1.10; width at humeral angles: 1.13(1.16)–1.26; length of pronotum in dorsal

view: 1.90(1.95)–2.07; length of hemelytron: 2.88–(2.99)3.06; length of discoidal area: (1.30)1.39–1.55; width of discoidal area: 0.35(0.36)–0.39; Abdomen: Length: 1.97–2.05(2.10); length of pygophore: (0.46)–0.51; width of pygophore: (0.61)–0.67. Female. (n = 2) Length: 4.30–4.61; width at widest: 1.44–1.48; Head: Scape: 0.18–0.19; pedicel: 0.17–0.18; basiflagellomere: 1.03–1.05; distiflagellomere: 0.48–0.53; interocular distance: 0.29–0.31; Thorax: Thickness of thorax: 1.05–1.06; width at humeral angles: 1.23–1.25; length of pronotum in dorsal view: 2.04–2.17; length of hemelytron: 2.88–3.19; length of discoidal area: 1.34–1.60; width of discoidal area: 0.42–0.43; Abdomen: Length: 2.16–2.30; length of female terminalia: 1.06–1.09; width of female terminalia: 0.70–0.80.

Type specimen. Forested eastern foothills of the Andes, 2000ft.; PERU: Tingo Maria, Shrubs on hillside, 1 mile N. E. of Town 5.VIII.1971; P. S. & H. L. Broomfield, B.M.1971-486. (♂ NHMUK).

Geographic distribution. Peru: Huánuco.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes. Same data as Holotype (3♀ NHMUK);

Teleonemia (Teleonemia) n. sp. 36

Diagnosis. *Teleonemia (Teleonemia) n. sp. 36* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; general color tannish-brown with dark-brown, basiflagellomeres slightly narrower than widths of pedicels, pilose, medial spine porrect, rostrum reaching middle of metasternum, anterior margin of prothorax not distinctly

angled slightly ventrad, pronotal disc covered with setae, median carina areolate, dorsal vein not extremely thick, mesosternal laminae widening, femora smooth, costal veins tannish-brown, infusate near middle and on apical third, subcostal areas uniseriate, setose on basal third, discoidal areas devoid of setae (R+M and cubitus veins may have setae), discoidal areas lighter tan on basal third, infusate near middle or until near apex, and ninth paratergites of female each with a mesial vertical protuberance.

Description. Generally elongate, stout, tannish-brown species with tannish-brown setae.

Head. Short, dark red-brown, densely covered with setae; occipital spines brown, slender, moderately elongate, porrect, incurved, apices surpassing anterior margins of eyes, reaching base of medial spine, one and one-fourth as long as width of eye; medial spine concolorous with occipital spines, slender, porrect, two-thirds length of occipital spines, base with downcurved tan setae; paired frontal spines erect, produced anteriorly, not beyond clypeus, incurved, subequal to length of medial spine; antenniferous tubercles short, three-quarters as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, subequal in length to eye width, with cream-colored wax and tan setae; pedicel elongate, subequal to length of scape, with slender, curved brown setae; basiflagellomere with slender tan setae and cream-colored wax, moderately stout throughout length, weakly clavate near apex, six and one-half to seven times length of scape; distiflagellomere concolorous with preceding, two and one-half to three times length of scape, fusiform, widest on apical third, truncate apically. Eyes large, D-shaped, anterior margins truncate near bases of antenniferous tubercles. Maxillary plates obscured by downcurved setae; clypeus dark red-brown, covered with slender setae; bucculae moderately tall subequal in height to width of eye, biseriate, lateral margins with thickened downcurved, setae, apical margin in line with apex of clypeus, contiguous apically, ventral

margin lighter tan, weakly curved in lateral view. Rostrum brown, moderately elongate, extending to middle of metasternum, apical segment infusate.

Thorax. Pronotal collar narrow, tannish-brown; pronotum dark-brown, punctate, punctures deep, margined with cream-colored pubescence, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures; calli dark red-brown, margined with downcurved setae; pronotal hood only slightly elevated, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly, covering bases of occipital spines, four areolae long, narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae lighter tannish-brown, lighter colored on posterior projection, uniseriate, low, areolae elongate, distinctly elevated from pronotal disc, dorsal veins thick, comprising more than one half of carinae height; median carina subequal in height to lateral carinae; lateral carinae occasionally infusate at apex of disc, mostly subparallel beyond disc; areolae of triangular posterior projection abruptly increase in size toward apex, margined with downcurved thickened setae; propleuron similarly punctured like pronotal disc, areolate posteriorly, punctures margined with downcurved thickened setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base toward apex; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum flat, setose. Legs dark-brown; coxae short, globose, distal margins with minute gray pubescence; trochanters brown, subequal in length to coxae, beset with minute setae; femora brown, short, stout, widest near middle, with minute gray pubescence; tibiae slender, lighter

brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi infusate, minute; distitarsi concolorous with basitarsi, short, less than one-fifth length of protibiae, weakly expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tannish-brown, darker brown on apical fourth; costal area uniseriate, areolae hyaline, except fuscous band on apical fourth, larger beyond discoidal cell; subcosta brown; subcostal area tannish-brown, uniseriate, subvertical, with occasional downcurved setae on basal third; R+M vein brown, weakly sinusoidal; discoidal area yellow on basal fourth, dark-brown near middle, lighter yellow brown on apical third, moderately broad, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein infusate, slightly darker middle, mostly straight on half, raised; sutural areas brown, lighter brown along post-cubitus and near apex, translucent on apical fourth, moderately large, with eight to ten rows of areolae at widest, areolae near base slightly larger than discoidal area, gradually increase in size towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen two-thirds between apices of abdomen and hemelytra.

Abdomen. Dark-brown, ovate, widest before middle, densely covered with gray setae on lateral margins; eighth paratergites wide near base, not depressed on basal half with a narrow vertical sinusoidal furrow along basal margin from base to dorsal third; ninth paratergites stout, each mostly flat on basal fourth, with a mesial vertical protuberance, weakly excavate in mesal margins, strongly excavate near apical third, beset with slender elongate setae near apex and lateral margins. Pygophore red-brown, covered with thickened minute pubescence on lateral

margins, slender, slightly narrower than preceding abdominal segment, ventral basal depressions deep, extending laterally and dorsally on lateral margins; dorsal posterior margin with two weak mesal depressions; parameres black-brown in base, red-brown beyond, stoutest near base, weakly narrowed on apical third, curved on apical half, weakly sinusoidal when viewed laterally, setose on postero-lateral and ventral margins.

Measurements. Male. (n = 3) Length: 3.54(3.75.)–4.03; width at widest: 1.09(1.16)–1.32; Head: Scape: 0.14–(0.16); pedicel: 0.14–(0.18); basiflagellomere: 1.03– (1.10)1.13; distiflagellomere: (0.38)–0.48; interocular distance: (0.31)–0.32; Thorax: Thickness of thorax: 0.81(0.87)–0.93; width at humeral angles: 1.00(1.07)–1.19; length of pronotum in dorsal view: 1.74(1.81)–1.94; length of hemelytron: 2.53(2.64)–2.93; length of discoidal area: (1.28)–1.49; width of discoidal area: 0.34–(0.37)0.38; Abdomen: Length: 1.64–(1.83)1.89; length of pygophore: 0.43– (0.51); width of pygophore: 0.54–(0.57). Female. (n = 2) Length: 4.20–4.28; width at widest: 1.30–1.38; Head: Scape: 0.16–0.18; pedicel: 0.16–0.18; basiflagellomere: 1.00–1.04; distiflagellomere: 0.41–0.49; interocular distance: 0.33–0.34; Thorax: Thickness of thorax: 0.99–1.03; width at humeral angles: 1.21; length of pronotum in dorsal view: 2.06–2.09; length of hemelytron: 3.09–3.12; length of discoidal area: 1.57–1.62; width of discoidal area: 0.46–0.47; Abdomen: Length: 1.99–2.02; length of female terminalia: 0.77–0.83; width of female terminalia: 0.73–0.77.

Type specimen. ECUADOR, Prov. Imbabura, Cantón Cotacachi, Peñaherrera, 00°21'N, 78°32'W, elev. 5900 ft., 6-XI-2009, S. M. Clark (♂ BYUC).

Geographic distribution. Ecuador: Chimborazo, Imbabura, Pichincha, Santo Domingo de los Tsáchilas.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: same data as holotype (2♂ BYUC); ECUADOR, Prov. Imbabura, Cantón Cotacachi, Apuela, Río Intag, 00°21.2'N, 78°31.0'W, elev. 5020 ft., 6-XI-2009, S. M. Clark (4♂ 2♀ BYUC); Huigra Ecuador, V/15/ [190]4, H. S. Parish; *Teleonemia prolixa* Stal, Det. Oscar Monte (1♀ CUIC); Sto. Domingo de los Colorados, Ecuador, 27 Feb. 1973, M. & N. Deyrup (1♂ PERC); Same data except 5 Mar. 1973 (1♂ PERC). Other material examined: ECUADOR, Pichincha Pr. 50 km NW Quito, Reserva Maquípcuna, #59, elev. 1350 m. 22 Dec, 1991, beating veg., C. Carlton, R. Lenchen; LSAM 0297729 (1♀ LSAM).

Teleonemia (Teleonemia) n. sp. 37

Teleonemia prolixa: Drake 1929 [Ecuador][misdet.].

Diagnosis. *Teleonemia (Teleonemia) n. sp. 37* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length not longer than 5.2mm, slightly variable in color, but usually dark black to testaceous brown species, variegated with darker brown, pronotal hood not contrasting in color with disc, pronotal hood evenly curved or slanted from median carina of disc, median carina areolate, rostrum extending to posterior margin of mesosternum, costal areas tannish-brown, infuscate near apex, narrow, costal areas subequal in width to width of costa, subcostal areas uniseriate, discoidal areas light-brown, with three to four fuscous markings and devoid of setae, each dorsal lateral margin of eighth abdominal segment in male with lateral triangular projection.

Description. Generally elongate, slender, tan species variegated with dark-brown patches, with light-brown setae. **Head.** Short, red-brown, covered with setae; occipital spines

tannish-brown, slender, moderately elongate, porrect, incurved, apices surpassing anterior margins of eyes and base of medial spine, one and one-fourth as long as width of eye; medial spine concolorous with occipital spines, moderately stout, porrect, two-thirds length of occipital spines, base with downcurved light-brown setae; paired frontal spines erect, produced anteriorly, not beyond clypeus, incurved, apices touching, subequal to length of medial spine; antenniferous tubercles short, three-quarters as long as width of eye, dorsal margins beset with downcurved setae. Antennae brown: scape barrel-shaped, one and one-third as long as eye width, with light-brown setae; pedicel short, one-half length of scape, with slender, curved tan setae; basiflagellomere with slender tan setae, moderately stout throughout length, weakly clavate near apex, four and one-half to five times length of scape; distiflagellomere darker infusate, two times length of scape, weakly clavate, widest on apical third, truncate apically. Eyes large, D-shaped, anterior margins weakly truncate near bases of antenniferous tubercles. Maxillary plates obscured by downcurved setae; clypeus dark red-brown, covered with thickened downcurved setae; bucculae moderately tall subequal in height to width of eye, biseriate, lateral margins with thickened downcurved, setae, apical margin extending slightly beyond apex of clypeus, contiguous apically, ventral margin mostly straight in lateral view. Rostrum brown, moderately elongate, extending to posterior margin of mesosternum, apical segment concolorous with preceding.

Thorax. Pronotal collar narrow, tannish-brown; pronotum red-brown, punctate, punctures minute, deep, margined with tan setae, interpunctural distance at most elevated area of pronotal disc one and one-half to two times diameter of punctures; calli dark red-brown, margined with downcurved setae; pronotal hood only slightly elevated, lower than disc, two areolae tall, broad near collar, roof-like, moderately produced anteriorly, covering bases of

occipital spines, five to six areolae long, narrow and not tumid posteriorly, with curved short setae, median carina extends to apex of pronotum; paranota narrow, biseriate opposite calli, basal row extremely small explanate, lateral row reflexed vertically, adpressed against lateral margins of pronotum, uniseriate opposite humeral angles; pronotal carinae concolorous with disc, lighter colored on posterior projection, uniseriate, low, areolae rounded, distinctly elevated from pronotal disc, dorsal veins thick, comprising nearly one half of carinae height; median carina subequal in height to lateral carinae; lateral carinae mostly subparallel beyond disc; areolae of triangular posterior projection abruptly increase in size beyond basal third toward apex, margined with short slender setae; propleuron more broadly punctured with larger punctures than pronotal disc, weakly areolate posteriorly, punctures margined with downcurved slender setae. Prothoracic rostral laminae low, wider appear near base, narrowing behind; mesothoracic sternal laminae slightly wider apart at base than prothoracic laminae, abruptly widening beyond base toward apex; metasternal laminae wider apart than mesothoracic sternal laminae, weakly crescentic-shaped, posterior margin incurved; metasternum convex, setose. Legs brown; coxae dark-brown short, globose, distal margins with minute tan setae; trochanters brown, subequal in length to coxae, beset with minute setae; femora brown, short, stout, widest near middle, with minute tan setae; tibiae slender, brown, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi infusate, minute; distitarsi concolorous with basitarsi, moderately elongate, one-fifth length of protibiae, weakly expanded laterally near apex. Ostoliar peritremes ovate, short, one and one-half times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae larger on basal third, smaller beyond; costa sinusoidal, tannish-brown, darker brown on apical fourth; costal area uniseriate, areolae hyaline,

except fuscous band on apical fourth, larger beyond discoidal cell; subcosta brown; subcostal area tannish-brown, uniseriate, subvertical, with occasional downcurved setae on basal third; R+M vein brown, weakly sinusoidal; discoidal area yellow-brown on basal fourth, dark-brown near middle, lighter yellow brown beyond, but dark-brown near apex, moderately broad, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae mostly devoid of setae; each cubitus vein infuscate near middle, mostly straight on half, raised; sutural areas brown, lighter brown along post-cubitus and near apex, translucent on apical fourth, moderately large, with eight rows of areolae at widest, areolae near base slightly larger than discoidal area, abruptly increase in size beyond basal third towards apex. Metathoracic wings dark-brown, extending beyond apex of abdomen halfway between apices of abdomen and hemelytra.

Abdomen. Dark-brown, ovate, widest before middle, densely covered with tannish-brown setae on lateral margins; eighth paratergites wide near base, broadly depressed on basal third with a narrow transverse furrow towards apex on ventral margin, also with broad vertical furrow near middle dorsal fourth; ninth paratergites stout, each mostly flat on basal fourth, with a mesial elongate, vertical ridge, produced to eminence, weakly excavate in lateral margins, strongly excavate near apical third, beset with slender short setae throughout. Pygophore red-brown, with thickened minute pubescence on lateral margins, stout, slightly narrower than preceding abdominal segment, ventral basal depressions deep, extending laterally and dorsally on lateral margins, connected by transverse curved furrow near base; dorsal posterior margin flat; parameres dark red-brown in base, red-brown beyond, stoutest near base, weakly narrowed on apical third, curved on apical half, setose on postero-lateral and ventral margins.

Measurements. Male. (n =2) Length: 3.97– (4.118); width at widest: 1.08–(1.09); Head: Scape: (0.16)–0.17; pedicel: (0.15)–0.17; basiflagellomere: 0.88– (1.08); distiflagellomere: 0.38– (0.48); interocular distance: 0.27–(0.32); Thorax: Thickness of thorax: 0.83–(0.91); width at humeral angles: (1.01)–1.02; length of pronotum in dorsal view: (1.76)–1.78; length of hemelytron: 2.90–(2.93); length of discoidal area: (1.39)–1.45; width of discoidal area: 0.30– (0.33); Abdomen: Length: 1.76–(2.02); length of pygophore: 0.40– (0.50); width of pygophore: 0.46–(0.59). Female. (n = 1) Length: 4.70; width at widest: 1.20; Head: Scape: 0.14; pedicel: 0.14; basiflagellomere: 1.02; distiflagellomere: 0.47; interocular distance: 0.33; Thorax: Thickness of thorax: 0.99; width at humeral angles: 1.19; length of pronotum in dorsal view: 2.08; length of hemelytron: 3.34; length of discoidal area: 1.70; width of discoidal area: 0.40; Abdomen: Length: 2.26; length of female terminalia: 0.81; width of female terminalia: 0.64.

Type specimen. Ecuador. Thal V. Loja b.d.Stadt, 2200 m VIII. 1905; Dr. Fr. Ohaus leg. Id. Vend. 30. I 1907. cfr. Reisebericht 1907.; C. J. Drake determ. 1928 (♂ ZMHC)

Geographic distribution. Ecuador: Loja.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: Same data as holotype (5♂ 2♀ ZMHC).

Teleonemia (Teleonemia) n. sp. 38

Diagnosis. *Teleonemia (Teleonemia) n. sp. 38* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length less than 4mm, general color dark red-brown margined with lighter tan brown and hyaline areas, calli without wax, disc

dark black-brown, not shining, mostly setose, posterior projection lighter in color than disc, distiflagellomeres longer than one-third the length of basiflagellomeres, basiflagellomeres with elongate dense curved setae, rostrum short, reaching posterior margin of mesosternum, mesosternal laminae not narrowed or constricted posteriorly, femora greater than 1.5 times thicker than tibiae, median carina distinctly areolate on disc, costal areas of hemelytra uniseriate, anterior and posterior veins of all areolae in costal areas infusate, contrasting with variegated costa, subcostal areas biseriate, R+M and cubitus veins without thickened curved setae, each discoidal area mostly unicolorous, each ninth paratergite without tubercles.

Description. Generally short, minute species, dark-brown with gray-brown setae. **Head.** Short, red-brown, covered with cream-colored pubescence; occipital spines tannish-brown, slender, moderately elongate, porrect, weakly incurved, apices not surpassing anterior margins of eyes or base of medial spine, subequal in length to width of eye; medial spine concolorous with head, slender, porrect, two-thirds length of occipital spines, base with downcurved cream-colored setae; paired frontal spines erect, produced anteriorly, not beyond clypeus, incurved, apices nearly touching, three-quarters length of occipital spines; antenniferous tubercles short, two-thirds as long as width of eye, dorsal margins beset with downcurved setae. Antennae dark-brown: scape barrel-shaped, one and one-third as long as eye width, with cream-colored elongate setae; pedicel subequal in length to scape, with extremely elongate, slender, curved brown setae; basiflagellomere with elongate, slender, brown setae, moderately stout throughout length, weakly clavate near apex, four times length of scape; distiflagellomere darker infusate, two times length of scape, nearly uniform width, truncate apically. Eyes small, D-shaped, anterior margins broadly rounded. Maxillary plates obscured by downcurved setae; clypeus dark red-brown, covered with thickened downcurved setae; bucculae narrow subequal in height to width of eye,

biseriate, lateral margins with downcurved, setae, apical margin in line with apex of clypeus, contiguous apically, ventral margin mostly straight in lateral view. Rostrum variegated brown, moderately elongate, extending to middle of metasternum, apical fourth of apical segment infusate.

Thorax. Pronotal collar extremely narrow, tan to red-brown; pronotum dark red-brown, punctate, punctures minute, deep, margined with elongate gray tan setae, interpunctural distance at most elevated area of pronotal disc subequal to diameter of punctures; calli dark red-brown, concolorous with disc, margined with downcurved setae; pronotal hood extremely low, lower than disc, one to two areolae tall, broad near collar, roof-like, weakly produced anteriorly, not covering bases of occipital spines, four areolae long, narrow and not tumid posteriorly, with curved stout setae, median carina weakly expressed apically, extending to apex of pronotum; paranota narrow, uniseriate throughout, explanate opposite calli, weakly reflexed vertically beyond; pronotal carinae lighter tannish-brown contrasting with disc, uniseriate, low, areolae rounded, distinctly elevated from pronotal disc in median carina, dorsal veins slender; median carina slightly more elevated than lateral carinae; lateral carinae with minute areolae, mostly subparallel beyond disc; areolae of triangular posterior projection abruptly increase in size beyond basal third toward apex, margined with short slender setae, lateral anterior margins lighter tan; propleuron rugose more broadly punctured with larger punctures than pronotal disc, weakly areolate posteriorly, punctures margined with downcurved slender setae. Prothoracic rostral laminae low, subparallel; mesothoracic sternal laminae abruptly widening on basal fourth, subparallel beyond; metasternal laminae wider apart than mesothoracic sternal laminae, crescentic-shaped, posterior margin incurved; metasternum convex, lateral margins with elongate thickened setae. Legs dark red-brown; coxae dark red-brown short, globose, distal margins with

minute tan setae; trochanters dark red-brown, subequal in length to coxae, beset with minute setae; femora dark red-brown, short, stout, widest near middle, with minute thickened tan setae; tibiae slender, concolorous with preceding on basal fourth, tan brown near middle, darker brown near apex, subequal to length of femora and trochanter combined; basitarsi infuscate, minute; distitarsi concolorous with basitarsi, moderately elongate, one-fifth length of protibiae, narrowly expanded laterally near apex. Ostoliar peritremes ovate, elongate, two and one-third times as long as wide, each not touching base of hypocostal area. Hemelytra narrow, nearly extending one-third length of abdomen beyond apex of abdomen; hypocostal area uniseriate, areolae mostly uniform in size, wider than costal area areolae; costa sinusoidal, tan variegated with red-brown; costal area uniseriate, narrow, areolae hyaline, except fuscous band on apical fourth, larger beyond discoidal area, interveinal areas red-brown; subcosta red-brown; subcostal area red-brown, biseriate along discoidal area, subvertical, with occasional downcurved setae; R+M vein red-brown, weakly sinusoidal; discoidal areared-brown, moderately broad, midpoint near apex of triangular posterior projection, each comprised of four to five rows of areolae at widest, areolae margined with stout porrect thickened setae; each cubitus red-brown, mostly straight on half, raised; sutural areas tannish-brown, areolae clouded with red-brown, translucent on apical fourth, moderately large, with six to seven rows of areolae at widest, areolae near base smaller than discoidal area, abruptly increase in size beyond toward apex. Metathoracic wings gray brown, extending beyond apex of abdomen halfway between apices of abdomen and hemelytra.

Abdomen. Dark red-brown, ovate, widest near middle, densely covered with yellow setae on lateral margins; eighth paratergites narrow near base, weakly depressed on basal third, there with a broad, shallow vertical furrow near middle ; ninth paratergites stout, each weakly

depressed on basal fourth, broadly rounded beyond, weakly excavate near apical third, beset with slender elongate short setae throughout.

Measurements. Female. (n = 2) Length: 2.69–(2.7), width at widest: (0.87)–0.93; Head: Scape: 0.11–(0.12), pedicel: (0.093)–0.11, basiflagellomere: 0.49–(0.51), distiflagellomere: 0.20–(0.22); interocular distance: (0.24); Thorax: Thickness of thorax: (0.60)–0.66; width at humeral angles: (0.73)–0.77; length of pronotum in dorsal view: (1.20)–1.22; length of hemelytron: (1.53)–1.89; length of discoidal area: 0.97–(1.12); width of discoidal area: (0.26)–0.32; Abdomen: Length: (1.30); length of female terminalia: (0.38)–0.39; width of female terminalia: 0.44–(0.48).

Type specimen. 3 mi N Alpuyecá, Mor MEX. 3400' IV 3 '59 HEvans (♀ CUIC).

Geographic distribution. Mexico: Morelos.

Ecology. Plant associations: unrecorded.

Material examined. Paratypes: same data as holotype (♀ CUIC).

Teleonemia (Teleonemia) n. sp. 39

Diagnosis. *Teleonemia (Teleonemia) n. sp. 39* can be separated from all other species of *T. (Teleonemia)* by a combination of the following characters; length longer than 3.6 mm, general color light-brown, with golden-colored setae, basiflagellomeres slightly narrower than widths of pedicels, pilose, distiflagellomeres weakly clavate on apical third, medial spine porrect, elongate, surpassing apices of paired frontal spines, occipital spines elongate, surpassing base of medial spine, paired frontal spines short, rostrum reaching middle of mesosternum, anterior

margin of prothorax not angled ventrad, pronotal disc covered with minute setae, median carina areolate, dorsal vein moderately thick, comprising less than half of carina height, mesosternal laminae subparallel beyond basal third, femora smooth, ostiolar ovate, ear shaped, costal veins tan, infuscate on apical fourth, subcostal areas uniseriate, with few downcurved setae throughout, discoidal areas with some slender setae along lateral margins, lighter tan near middle, dorsal lateral margins of male eighth abdominal segment without triangulate projections, and ninth paratergites of female each middle with an abrupt tubercle near middle, abruptly truncate near apex and lateral margins, excavate on apical third

Description. Red-brown species. **Head.** Short, with cream-colored downcurved thickened setae; occipital spines long, one- and one-third as long as width of eye, surpassing anterior margins of eyes and base medial spine, adpressed to head, downcurved, curved inwards, slender; medial spine sub equal in length to eye width, stout, erect, base slightly behind anterior margins of eyes, with setae; frontal spines, half-length of occipital spines, incurved, slender, apices touching and resting beneath medial spine; antenniferous tubercles short, two-thirds as long as width of eye. Scape barrel-shaped, short, slightly longer than width of eye; pedicel two-thirds length of scape, slightly slender; basiflagellomere, moderately elongate, five to six times length to scape; distiflagellomere nearly two times length of scape, weakly clavate. Eyes large, 'D' shaped; maxillary plates with cream-colored setae; clypeus setose; bucculae biseriate, but obscured by thickened cream-colored setae, height subequal to width of eye, contiguous apically, apex subparallel with apex of clypeus, produced posteriorly; Rostrum unicolorous, tan, first rostral segment does not reach to posterior margin of bucculae, apex reaching middle of mesosternum.

Thorax. Pronotal collar extends over base of head; pronotum with golden setae on dorsum, coarsely punctured, interpunctural distance one and one-half or two times diameter of punctures; calli brown, surrounded by short, curved, golden setae; pronotal hood tawny brown, not tumid, v-shaped, roof-like, covering base of occipital spines; paranota biseriate opposite calli, apical row reflexed vertically, adpressed to lateral side of pronotum only near middle; pronotal carinae uniseriate, areolae large, subequal to areolae of paranota beyond calli; lateral carinae concolorous with pronotum, subparallel posteriorly; median carina concolorous with pronotum, subequal in height to lateral carinae, triangular posterior projection setose, areolae gradually increase in size throughout length towards apex; propleuron covered with stout, elongate, curved, cream-colored setae; prothoracic rostral laminae narrow, subparallel; mesothoracic sternal laminae one and one-half times as tall as prothoracic rostral laminae, uniseriate; mesosternum weakly depressed; metathoracic laminae, weakly crescentic-shaped, metasternum flat. Legs red-brown; coxae small, globose, covered with minute pubescence; femora setose, relatively short; tibiae subequal in length to femora; Ostoliar peritreme teardrop shaped, dorsal area much wider than base, protruding outwards, one and one-half times as long as wide, thickened near apex. Hemelytra extending beyond abdomen one-third length of abdomen; each hypocostal area uniseriate, areolae rectangular, smaller than those of the costal area; costa glabrous, tan colored with some fuscous markings near apical third; costal area hyaline, veins tan; subcosta brown, darker than costa; subcostal areas, uniseriate, areolae tall, rectangular opposite discoidal cell; rm vein brown, with slender, downcurved setae; each discoidal area elongate, making up more than half length of hemelytra, five rows of areolae at widest, midpoint at apex of triangular posterior projection; cubitus vein unicolorous with hemelytra; sutural areas with nine to ten rows of areolae, areolae larger at base than apex of discoidal area, smaller and increase towards apex.

Abdomen. Red brown, spiracles darker infuscate, covered with short, adpressed thickened setae; 8th paratergites not depressed basally; ninth paratergites flat near base, raised tubercle present near middle. Pygophore rounded, slightly narrower than preceding abdominal segment; parameres lighter in color than pygophore, weakly stout at base, slender sickle shaped.

Measurements. Not taken in this study.

Type specimen. Brasil, RJ. Nova Friburgo. 1090m 22°. 17°-611"S, 42° 29' 345"W; 21-I-2003 L. Costa Peg.; *Teleonemia prolixa*; MUSEUM PARIS (♂ MNHN).

Geographic distribution. Brazil: Rio de Janeiro.

Ecology. Plant associations: unrecorded.

Material examined. Paratype: Nova Friburgo/ RJ 22°. 17°-611"S 42° 29' 345"W (1,090 m) 21/1/2003; Brasil L. Costa Peg.; *Teleonemia prolixa*; MUSEUM PARIS (♀ MNHN).

***Teleonemia Trichodonemia* Knudson New subgenus**

Key to the species of *Teleonemia (Trichodonemia)*

- 1. Paranota nearly uniform in width throughout length 2
- Paranota distinctly narrower on basal third, then abruptly widened near humeral angles 3
- 2. Pronotal hood distinctly lower than pronotal carinae
 *Teleonemia (Trichodonemia) limbata* (Stål)
- Pronotal hood tumid, apex nearly parallel with apex of median carina.....
 *Teleonemia (Trichodonemia) patagonica* Drake

3. Each costal area of hemelytra not broader than two rows of irregular areolae.....
.....*Teleonemia (Trichodonemia) chilensis* (Reed)
- At least part of each costal area of hemelytra with three or more rows or areolae..... 4
4. Paranota distinctly more elevated than pronotal hood in lateral view
.....*Teleonemia (Trichodonemia) elata* Drake
- Paranota not as tall or nearly as tall as pronotal hood in lateral view..... 5
5. Median carina nearly angulate at most elevated area of pronotal disc
.....*Teleonemia (Trichodonemia) chacoana* Drake
- Median carina broadly rounded at most elevated area of pronotal disc 6
6. Median carina extremely tall, nearly two times height of pronotal hood 7
- Median carina not extremely tall, only slightly more elevated than pronotal hood
.....*Teleonemia (Trichodonemia) carmelana* (Berg)
7. Costal area of hemelytra with two to three rows of areolae at widest
.....*Teleonemia (Trichodonemia) simulans* Drake
- Costal area of hemelytra with four complete rows of areolae at widest.....
.....*Teleonemia (Trichodonemia) paraguaynana* Drake

***Teleonemia (Trichodonemia) carmelana* (Berg 1892)**

Leptostyla carmelana Berg 1892: 99 (n. sp.) [Uruguay].

Teleonemia jensoni Bergroth 1922: 150 (n. sp.) [Argentina].

Teleonemia chilensis: Drake 1922: 358 [misdet.][Argentina; Brazil], 1935: 10 [Paraguay, Peru],
1936: 699.

Teleonemia carmelana: Drake 1935: 11, 1939b: 332 [Bolivia]; Drake & Poor 1938b: 107; Monte 1938: 390, 1941b: 135 [*Lantana camara*], 1947: 432 (note) [*Lippia juncea*, *Rhaphithamnus spinosus*]; Drake & Ruhoff 1965: 373 (cat.) Montemayor & Coscarón 2005: 434 (checklist) Maes & Knudson 2016: 50 (cat.).

Diagnosis. *Teleonemia (Trichodonemia) carmelana* can be easily separated from related species by the paranota which are narrower at base, by the nearly uniformly rounded median carina that is only slightly more elevated than the pronotal hood and by the costal areas of the hemelytra that are two to three areolae at widest..

Measurements. Male. (n = 2) Length: 4.49–5.22; width at widest: 2.20–2.55; Head: Scape: 0.22–0.24; pedicel: 0.17–0.18; basiflagellomere: 0.99–2.07; distiflagellomere: ?; interocular distance: 0.37–0.41; Thorax: Thickness of thorax: 1.01–1.16; width at humeral angles: 1.24–1.55; length of pronotum in dorsal view: 2.03–2.08; length of hemelytron: 3.03–3.28; length of discoidal area: 1.42–1.55; width of discoidal area: 0.32–0.35; Abdomen: Length: 1.81–2.04; length of pygophore: 0.43–0.46; width of pygophore: 0.61–0.62. Female. (n = 2) Length: 4.85–4.97; width at widest: 2.41–2.67; Head: Scape: 0.20–0.28; pedicel: 0.15–0.18; basiflagellomere: 1.74–1.75; distiflagellomere: 0.53; interocular distance: 0.42; Thorax: Thickness of thorax: 1.09–1.13; width at humeral angles: 1.58–1.64; length of pronotum in dorsal view: 2.03–2.82; length of hemelytron: 3.23–3.26; length of discoidal area: 1.64–1.66; width of discoidal area: 0.36–0.41; Abdomen: Length: 2.11–2.12; length of female terminalia: 0.80–0.83; width of female terminalia: 0.92–0.93.

Type specimen. Uruguay, (La Plata Museum). Not examined in this study.

Comments. Most records of this species from Chile, correspond to *T. chilensis* and are not *T. carmelana*.

Geographic distribution. Argentina; Brazil; Paraguay; Peru; Uruguay.

Ecology. Plant associations: *Lantana camara*; *Lippia juncea*; *Rhaphithamnus spinosus*.

Material examined. See appendix A.1.

***Teleonemia (Trichodonemia) chacoana* Drake 1942**

Teleonemia chacoana Drake 1942a: 1 (n. sp.); Drake & Ruhoff 1965: 374 (cat.).

Diagnosis. *Teleonemia (Trichodonemia) chacoana* can be separated from related species by the paranota which are distinctly narrower near base and are tall or nearly as tall as pronotal hood in lateral view. Also, by the angulate median carina and the costal area of hemelytra with three or more rows of irregular areolae.

Measurements. Not taken in this study.

Type specimen. Fiebrig, Paraguay, Chaco; HOLOTYPE by C. J. Drake, *Teleonemia chacoana*; C. J. Drake Coll. 1956; USNM, 00866656 (♀ USNM). Specimen examined.

Comments. The type was likely collected by German Paraguayan naturalist Dr. Carl Fiebrig. The Gran Chaco is a large geographic area which spans multiple countries and is found in western Paraguay, meaning the specimen many have been collected in any one of departments Alto Paraguay, Boquerón, or Presidente Hayes.

Geographic distribution. Western Paraguay.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

Teleonemia (Trichodonemia) chilensis (Reed)

Cantacader chilensis Reed 1900: 180 (n. sp.); Drake 1939: 332.

Teleonemia (Cantacader) chiliensis: Drake 1922: 50 (note).

Teleonemia chilensis: Drake 1922c: 358 (note) 1935: 10; 1936: 699 (note).

Diagnosis. *Teleonemia (Trichodonemia) chilensis* can be separated from related species by the paranota which are distinctly narrower near base and by the costal area of hemelytra with than two rows of irregular areolae.

Measurements. Male. (n = 3) Length: 4.44(4.45)–4.54; width at widest: (1.72)–1.88; Head: Scape: 0.23–(0.26); pedicel: (0.14)–0.16; basiflagellomere: (1.60)–1.70; distiflagellomere: 0.34–(0.47); interocular distance: 0.37–(0.38)0.39; Thorax: Thickness of thorax: (0.99)–1.06; width at humeral angles: (1.37)–1.57; length of pronotum in dorsal view: (1.91)–2.03; length of hemelytron: (2.98)–3.15; length of discoidal area: (1.48)–1.63; width of discoidal area: (0.32)–0.34; Abdomen: Length: 1.94–(2.04); length of pygophore: (0.41)–0.54; width of pygophore: 0.63(0.65)–0.70. Female. (n = 2) Length: 4.33–4.86; width at widest: 1.85–2.06; Head: Scape: 0.20–0.25; pedicel: 0.15–0.16; basiflagellomere: 1.15–1.31; distiflagellomere: 0.36–0.53; interocular distance: 0.40–0.45; Thorax: Thickness of thorax: 0.98–1.17; width at humeral angles: 1.39–1.59; length of pronotum in dorsal view: 1.83–2.20; length of hemelytron: 2.85–

3.29; length of discoidal area: 1.54–1.76; width of discoidal area: 0.34–0.43; Abdomen: Length: 2.11–3.12; length of female terminalia: 0.86–1.00; width of female terminalia: 1.06–1.15.

Type specimen. *C. chilensis* Reed.; Cantacader [Enter] *chilensis* [Enter] Holotype; Sin. Hem. [Enter] Chile Coll. [Enter] ECreed; C J Drake [Enter] Coll. 1956; LECTOTYPE [Enter] Cantacader [Enter] *chilensis* [Enter] Reed [Enter] Det. A. H. Knudson [Enter] 10/10/2022 (♂ USNM). Drake (1939) indicates that the specimen listed above is a holotype, inadvertently designating a lectotype for this species.

Comments. After examining specimens at the USNM, I discovered a series from Chile one of which is labeled “*C. chilensis* Reed” and another in the series with the label “han. cua.” [Hacienda de los Banos de Cauquenes]. After comparing this series and other specimens I can reliably separate *T. chilensis* from *T. carmelana* by the characters listed above and hereby reinstate species status for *Teleonemia chilensis* and designate the lectotype above.

Geographic distribution. Chile.

Ecology. Plant associations: unrecorded.

Etymology. Named for its distribution.

Material examined. See appendix A.1.

***Teleonemia (Trichodonemia) elata* Drake 1935**

Teleonemia chilensis var. *elata* Drake 1935: 10 (n. ssp.); Drake & Poor 1938b: 107; Monte 1939a: 79 (checklist); 1939b: 59 (checklist); 1941b: 136 (cat.).

Teleonemia elata: Monte 1942: 138 (note); Drake & Ruhoff 1965: 375 (cat.); Winder & Harley 1982: 602; 605 (note); Cilliers & Neser 1991:62; Klein 2011: 548 (cat.).

Diagnosis. *Teleonemia (Trichodonemia) elata* can be easily separated from related species by the paranota which are narrower at base, by the nearly rounded median carina that is distinctly more elevated than the pronotal hood and by the triseriate to quadriseriate costal areas of the hemelytra.

Measurements. Male. (n =1) Length: 5.72; width at widest: 3.12; Head: Scape: 0.24; pedicel: 0.18; basiflagellomere: ?; distiflagellomere: ?; interocular distance: 0.40; Thorax: Thickness of thorax: 1.24; width at humeral angles: 1.71; length of pronotum in dorsal view: 2.31; length of hemelytron: 3.70; length of discoidal area: 1.92; width of discoidal area: 0.48; Abdomen: Length: 2.46; length of pygophore: 0.52; width of pygophore: 0.68. Female. (n =1) Length: 5.00; width at widest: 2.91; Head: Scape: 0.21; pedicel: 0.149; basiflagellomere: 1.60; distiflagellomere: 0.52; interocular distance: 0.40; Thorax: Thickness of thorax: 1.09; width at humeral angles: 1.80; length of pronotum in dorsal view: 2.08; length of hemelytron: 3.05; length of discoidal area: 1.63; width of discoidal area: 0.41; Abdomen: Length: 2.02; length of female terminalia: 0.75; width of female terminalia: 1.02.

Type specimen. Rio Grande do Sul; HOLOTYPE by C. J. Drake, *Teleonemia chilensis elata*; *Teleonemia chilensis* var. *elata* Drake; NHMW Hemiptera Image Coll. 000563 (♂ NHMW). Photograph of specimen examined.

Geographic distribution. Brazil, Chile, Paraguay, and Peru.

Ecology. Plant associations: Monte (1930b) lists this species from *Lantana camara*, Winder & Harley (1982) report this species feeding on foliage and green stems of *Lantana* spp.

Material examined. See appendix A.1.

***Teleonemia (Trichodonemia) limbata* Stål 1873**

Tingis (Americia) limbata Stål 1873: 131 (n. sp.) [Brazil, Colombia].

Lasiacantha (Americia) limbata: Lethierry & Severin 1896: 19 (cat.).

Teleonemia limbata: Champion 1898b: 62 (note); Drake 1922: 356 (note), 1930b:1 (note), 1935: 10 (note) [Paraguay], 1936: 699 (note) [Argentina]; Drake & Poor 1937: 302 (note); Drake & Hambleton 1938b: 52 (note); Monte 1939a: 79 (note) [*Lantana camara*]; 1939b: 59 (checklist); 1940:191 (note); 1941b: 137 (cat.); Drake & Ruhoff 1965: 377 (cat.) [Venezuela]; Montemayor & Coscarón 2005: 44 (checklist); Cazorla & Knudson 2021: 37 (checklist).

Diagnosis. *Teleonemia (Trichodonemia) limbata* can be separated from all related species by the paranota which are roughly the same width throughout and by the pronotal hood which is lower than the median carina.

Measurements. Male. (n = 2) Length: 3.73–4.24; width at widest: 1.42–1.70; Head: Scape: 0.16–0.25; pedicel: 0.14–0.16; basiflagellomere: 1.50–1.70; distiflagellomere: 0.49–0.51; interocular distance: 0.29–0.33; Thorax: Thickness of thorax: 0.82–0.98; width at humeral angles: 0.97–1.17; length of pronotum in dorsal view: 1.60–1.78; length of hemelytron: 2.63–2.94; length of discoidal area: 1.26–1.45; width of discoidal area: 0.32–0.40; Abdomen: Length: 1.61–1.89; length of pygophore: 0.29–0.41; width of pygophore: 0.55–0.57. Female. (n = 2) Length: 4.26–4.67; width at widest: 1.84–1.88; Head: Scape: 0.21–0.23; pedicel: 0.17–0.18;

basiflagellomere: 1.34–1.83; distiflagellomere: 0.34–0.54; interocular distance: 0.37–0.38;
Thorax: Thickness of thorax: 0.97–1.13; width at humeral angles: 1.15–1.28; length of pronotum
in dorsal view: 1.97–2.06; length of hemelytron: 3.00–3.23; length of discoidal area: 1.61–1.70;
width of discoidal area: 0.46–0.50; Abdomen: Length: 1.90–2.18; length of female terminalia:
0.82–0.85; width of female terminalia: 0.82–0.94.

Type specimen. Bogata; *Lindig*; limbata Stål; Typus; NHRS-GULI 000075727 (♂
NHRS). Herein designated as lectotype. Photograph of specimen examined.

Geographic distribution. Argentina; Brazil; Colombia; Paraguay; Venezuela.

Ecology. Plant associations: Monte (1939b) reported this species from *Lantana camara*
Linnaeus.

Material examined. See appendix A.1.

***Teleonemia (Trichodonemia) paraguayana* Drake 1942**

Teleonemia paraguayana Drake 1942a: 2 (sp. n.) [Paraguay]; Drake & Ruhoff 1965: 380 (cat.).

Diagnosis. *Teleonemia (Trichodonemia) paraguayana* can be easily separated from related
species by the paranota which are narrower at base, by the nearly uniformly rounded median
carina that is at least two times more elevated than the pronotal hood and by the costal areas of
hemelytra with four complete rows of areolae.

Measurements. Female. (n =1) Length: 4.69; width at widest: 2.77; Head: Scape: 0.26;
pedicel: 0.15; basiflagellomere: 1.50; distiflagellomere: 0.46; interocular distance: 0.41; Thorax:
Thickness of thorax: 1.23; width at humeral angles: 1.93; length of pronotum in dorsal view:

2.06; length of hemelytron: 3.15; length of discoidal area: 1.61; width of discoidal area: 0.44;
Abdomen: Length: 2.10; length of female terminalia: 0.94; width of female terminalia: 1.06.

Type specimen. Paraguay, Horquata, 1938, Albertd Schulze; Holotype by C. J. Drake, *Teleonemia paraguayana*; C. J. Drake Coll. 1956; USNMENT, 00866682 (♀ USNM). Specimen examined.

Comments. This species was previously only known from the type collected in Horquata. The specimen from Independencia, Paraguay represents a new departmental record. The male is unknown.

Geographic distribution. Paraguay: Concepción and Guairá departments.

Ecology. Plant associations: no known host associations are recorded for this species, but several related species have been collected on *Lantana* spp.

Etymology. From (*ana*) the country Paraguay.

Material examined. See appendix A.1. See associated data in appendix.

***Teleonemia (Trichodonemia) patagonica* Drake 1948**

Teleonemia patagonica Drake 1948: 429 (sp. n.); Drake & Ruhoff 1965: 380 (cat.). Montemayor & Coscarón 2005: 44 (checklist).

Diagnosis. *Teleonemia (Trichodonemia) patagonica* can be separated from all related species by the paranota which are roughly the same width throughout and by the pronotal hood which is as tall than the median carina.

Measurements. Not taken in this study.

Type specimen. Patagonia Silvestri; Rio Santa Cruz; HOLOTYPE *Teleonemia patagonica* Drake; C. J. Drake Coll. 1956; USNM, 00866683 (♀ USNM). Specimen examined.

Comments. This species is only known from the type specimen that is glued to a card. The ventral surface was not described, because it is not visible.

Geographic distribution. Argentina: Santa Cruz.

Ecology. Plant associations: unrecorded.

Material examined. See appendix A.1.

***Teleonemia (Trichodonemia) simulans* Drake 1922**

Teleonemia simulans Drake 1922: 358 (n. sp.) [Argentina]; Drake & Ruhoff 1965: 384 (cat.); Montemayor & Coscarón 2005: 45 (checklist).

Teleonemia simulane [sic.]: Drake 1935: 11.

Diagnosis. *Teleonemia (Trichodonemia) simulans* can be easily separated from related species by the paranota which are narrower at base, by the nearly uniformly rounded median carina that is at least two times more elevated than the pronotal hood and by the costal areas of hemelytra with two to three complete rows of areolae.

Measurements. Not taken in this study.

Type specimen. GRAN CHACO, BORDS DU RIO TAPENAQA, COLONIE FLORENCIA, E. R. Wagner 1903; HOLOTYPE by C. J. Drake, *Teleonemia simulans*; C. J. Drake Coll. 1956; USNMENT, 00866687 (♀ USNM). Specimen examined.

Comments. Originally described from the Santa Fe province of Argentina; The two specimens from Paraguay represent a new county record.

Geographic distribution. Argentina: Santa Fe and Paraguay: Presidente Hayes.

Ecology. Plant associations: The host for this species is unknown, but related species have been reported from *Lantana* sp.

Material examined. See appendix A.1.

Names previously attributed to *Teleonemia*

Teleonemia nilgirina (Nomen nudem)

Teleonemia nilgirina Singh-Pruthi (1925): 163

Comments. The name *Teleonemia nilgirina* is a manuscript name found attached to a specimen housed in Stockholm. Sing-Pruthi (1925) attributed this name to Bergroth, but no description of the taxon has been published with this name. The species *Hegesidemus otiosus* Drake 1953 likely was described from material collected from the same locality as the specimen mentioned above, it does not differ from the specimen mentioned above, is a valid species in *Hegesidemus*, and does not belong in the *Teleonemia* generic complex.

References

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CHAPTER THREE: CONCLUSIONS

The *Teleonemia* Costa generic complex is now revised and is comprised of seven genera; *Alveotingis* Osborn & Drake, *Eurypharsa* Stål, *Hesperotingis* Parshley, *Melanorhopala* Stål, *New genus* Henry, *Paramelanorhopala* Knudson & Henry new genus, and *Teleonemia* Costa. *Teleonemia* is now divided into four subgenera; *Amaurosterphus* Stål, *Tapinonemia* Knudson new subgenus, *Teleonemia* Costa, and *Trichodonemia* Knudson new subgenus. There are 133 taxa now included among these seven genera including 107 in *Teleonemia* alone. There are now 18 newly recognized synonyms detailed in chapter two, four pertain to the genus *Hesperotingis* and fourteen to *Teleonemia*. Interestingly, only one species, *Teleonemia chilensis* Reed, is resurrected from synonymy. It should be noted that only nine previous synonyms had been documented between *Melanorhopala* and *Teleonemia*.

The subgenus *Amaurosterphus* is now greatly expanded to also include species with broad costal areas of the hemelytra that were historically placed in the subgenus *Americia* Stål. *Americia* is now formally transferred under synonymy of *Amaurosterphus*. There are several recognizable species groups that belong to this subgenus. The *T. morio* species group can be separated from all other by the mostly dark black-brown color, elongate rostrum that may extend onto the abdomen, by the tumid or rounded pronotal hood, and by the uniseriate costal and subcostal areas of the hemelytra. The *T. tricolor* species complex includes *T. tricolor* and *T. annae* based on their triangular appearance, broad costal areas of the hemelytra, the multiseriate subcostal areas, of the hemelytra, and females with elongate posterior projections on the seventh abdominal segment that nearly reach the posterior margin of the abdomen. The *T. picta* species complex includes *T. amazonica*, *T. lutzii*, *T. n. sp. 7*, *T. n. sp. 8*, *T. picta*, and can be diagnosed by stout and blunt cephalic spines, the general ovate appearance in dorsal view, and the

bi- to triseriate costal and subcostal areas of the hemelytra. Additionally there is one species complex that is still poorly understood, *T. brevipennis* and related species have a distinct round hood, bi-colored hemelytra that have costal areas which are uniseriate basally and biseriate beyond apex of discoidal area, and also have biseriate sub costal areas of the hemelytra.

The subgenus *Tapinonemia* has at least two species complexes that are difficult to separate. The *T. longicornis* species complex is separated by the mostly yellow-brown color, the hypocostal areas of the hemelytra that is usually widened near middle and biseriate, at least in the male, and males typically having a dorsal tubercle on the triangular posterior projection of each posteo-lateral margin of the 8th abdominal segment. The *T. validicornis* species complex is separated by the tan with variegate brown markings of the hemelytra, the stout and densely pilose, unicolorous antennae and hypocostal areas that are always uniseriate.

There are several noticeable species complexes found in the nominate subgenus of *Teleonemia*. The *T. nigrina* species complex is recognized by the variegated light-brown and dark-brown costa and the uni-biseriate to biseriate subcostal areas of the hemelytra. Females of this complex usually have elongate tubercles on the 9th paratergites. Species included are *T. monile*, *T. montivaga*, *T. nigrina*, and *T. vidua*. The *T. pilicornis* species complex is closely related and also contains species with biseriate subcostal areas of the hemelytra. It differs by the stoutly pilose antennae and the costal areas of the hemelytra usually with at least one infusate areolus beyond the discoidal cell. *Teleonemia* n. sp. 38, *T. pilicornis*, *T. prunellae*, and *T. schwarzi* are the included species. Both of these species' complexes are found in North America, however, The *T. nigrina* species complex is distributed from Guatemala north to southwest Canada and throughout the southern United States. The *T. pilicornis* species complex is

distributed from Costa Rica north to the southwestern United States and does not extend east out of south Texas.

The *Teleonemia luctuosa* species complex is found in South America from Colombia to Paraguay. It is easily defined by the convergent posterior margins of the mesosternal laminae that nearly close the rostral canal. The included species are *T. abdita*, *T. angustata*, *T. luctuosa*, and *T. multimaculata*.

Teleonemia prolixa constitutes a species complex, but the species included are defined by an elongate distiflagellomere, an erect and bunt median cephalic spine, a short rostrum, that does not reach the posterior margin of the metasternum, the mostly dark colored body and hemelytra, with lighter colored pronotal carinae, narrow, lighter colored costal areas and usually unicolorous discoidal areas. The males of some included species also have a posterior triangular projection on each postero-lateral margin of the eight abdominal segment e.g. true *T. prolixa* and *T. n. sp. 37*. Included species are: *T. atilis*, *T. boliviana*, *T. molinae*, *T. n. sp. 37*, and *T. prolixa*.

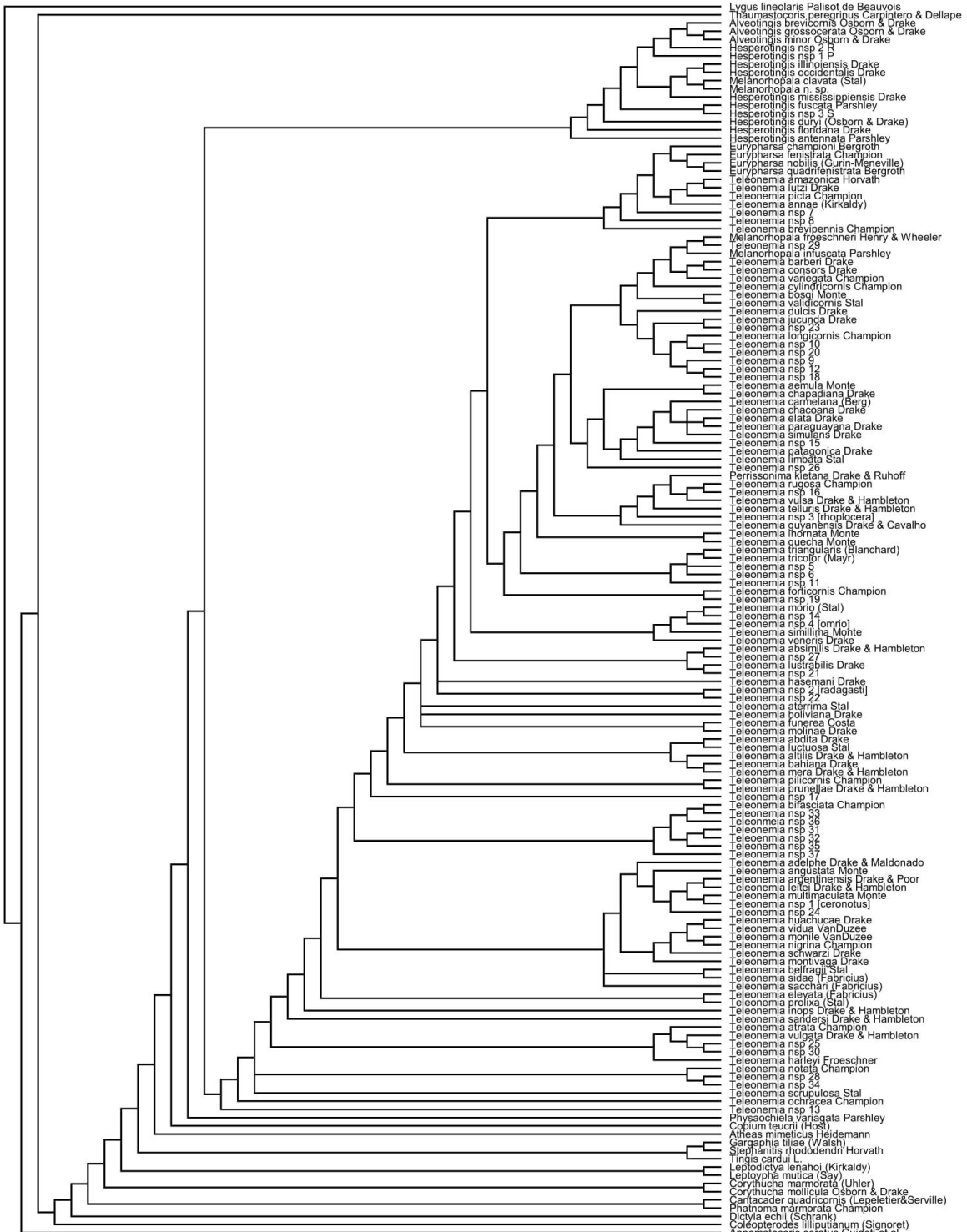
The *Teleonemia bifasciata* species complex is defined by the shorter, stouter distiflagellomeres, the thick pronotal carinae veins, the lighter colored posterior projection of the pronotum and the discoidal area lighter in color at least near basal fourth. Species included are *T. bifasciata*, *T. harleyi*, *T. n. sp. 24*, *T. n. sp. 25*, *T. n. sp. 28*, *T. n. sp. 30*, *T. n. sp. 31*, *T. n. sp. 32*, *T. n. sp. 33*, *T. n. sp. 34*, *T. n. sp.36*, *T. notata*, and *T. vulgata*. This species complex is strictly neotropical and distributed from Mexico, south to Argentina and some Caribbean islands.

The *T. sacchari* species complex contains three species, *T. belfragi*, *T. sacchari*, and *T. sidae*. This complex is defined by the slender, elongate and downcurved median cephalic spine, the light tan brown color, the variegate costal areas, the uniseriate subcostal areas, and the

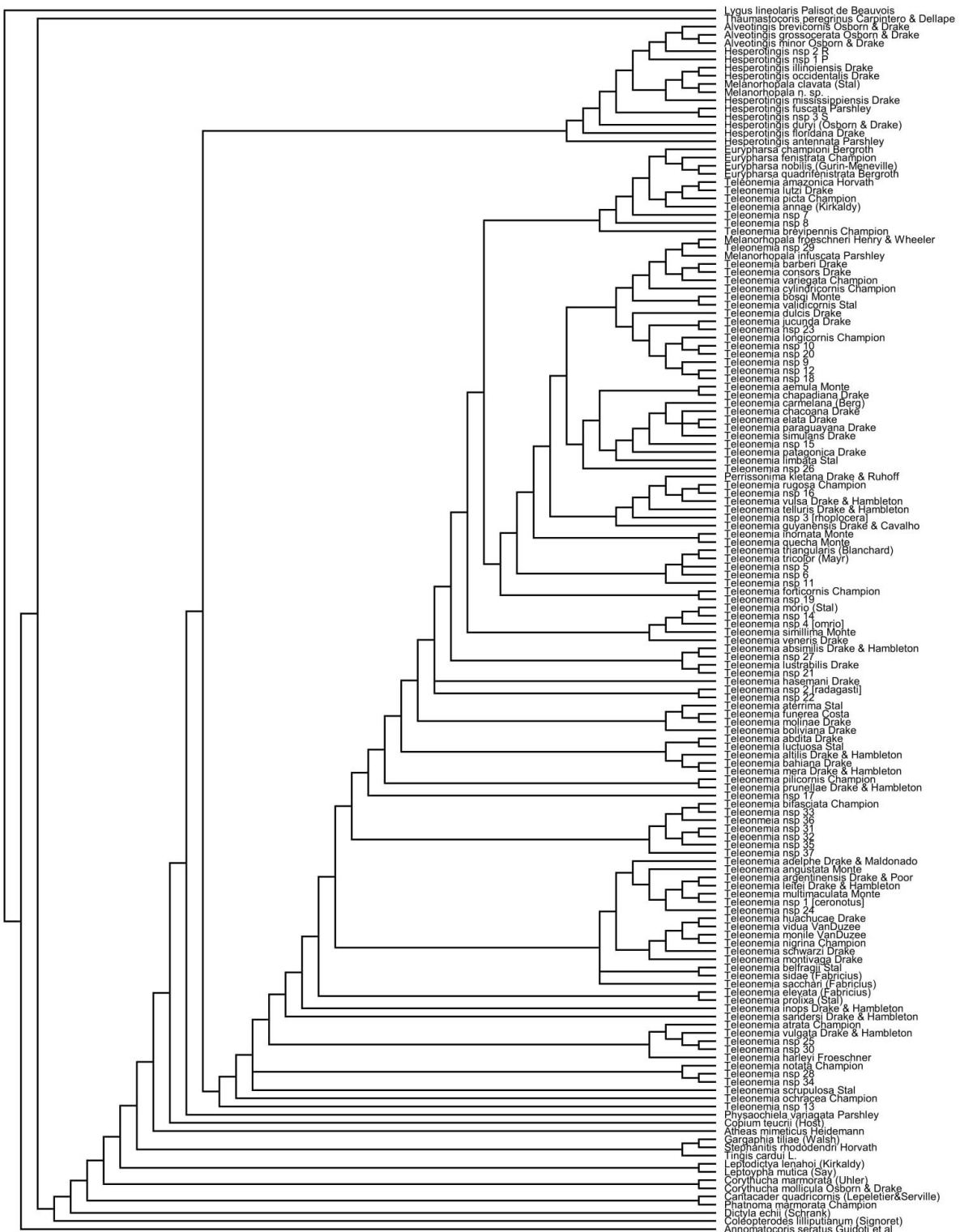
multimaculate discoidal areas of the hemelytra. It is widely distributed in the Caribbean and the southeastern United States.

Lantana feeding appears to have independently evolved at least three times, two in *Teleonemia* (*Teleonemia*) and one in *Teleonemia* (*Trichodonemia*). There may be additional independent evolutionary events for Lantana feeding, but a more thorough molecular phylogenetic analysis is needed to tease out the evolutionary relationships of the taxa involved. Many related species of *Teleonemia* sensu stricto, utilize host species that are members of the Lamiales spread across seven different plant families. Additionally, all known hosts of *Teleonemia* (*Trichodonemia*) species are members of the genus *Lantana*. Furthermore, several species found on basal genera or subgenera, like *Melanorhopala froeschneri*, *Teleonemia barberi*, and *Teleonemia Tapinonemia variegata* use species of Bignoniaceae for hosts. And *Paramelanorhopala* spp. feed on *Penstemon* spp. [Plantaginaceae]. This may indicate a radiation of *Teleonemia* and related taxa in concert with the Lamiales or Lamiids.

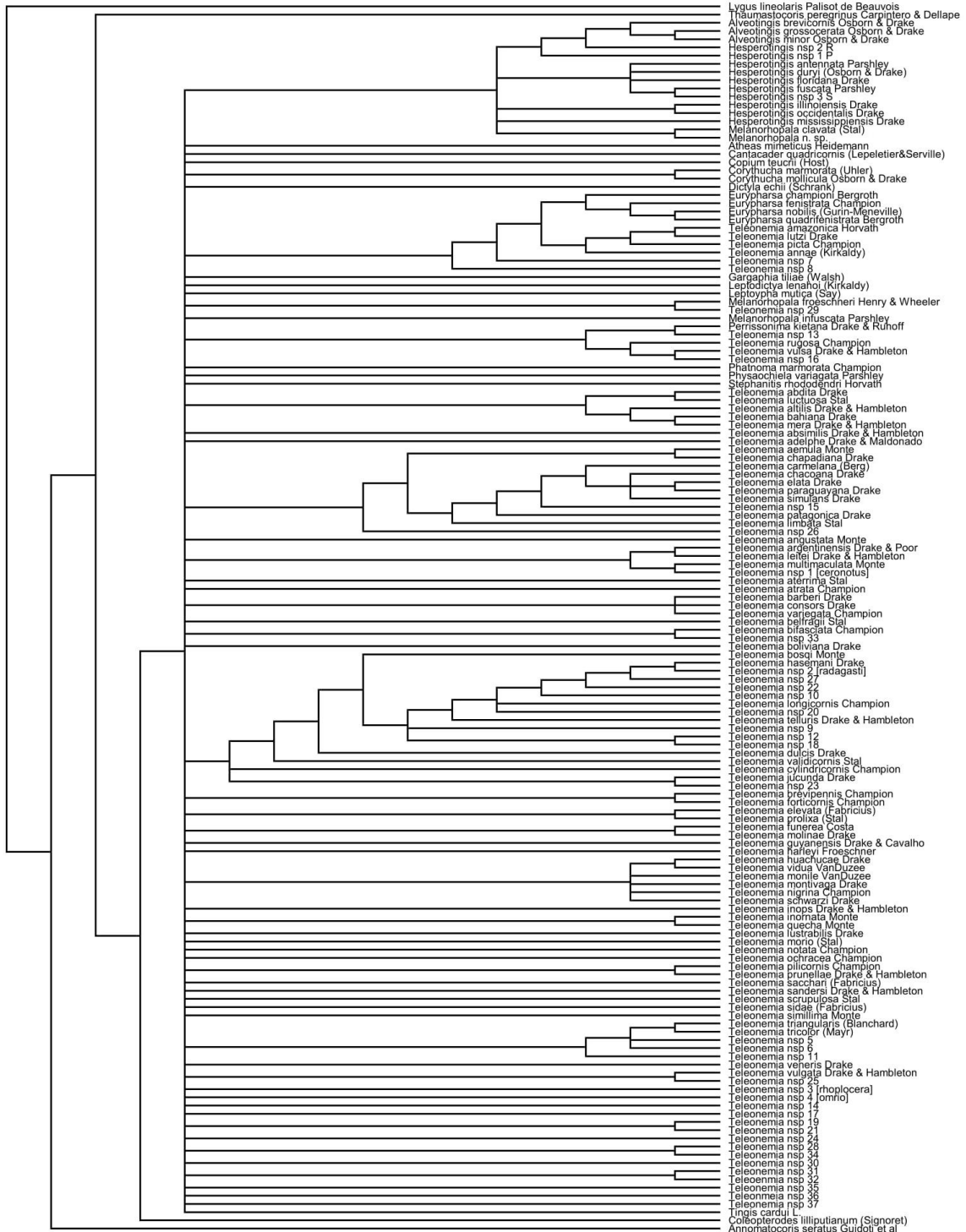
APPENDIX: SUPPLEMENTARY CONSENSUS AND MATERIAL EXAMINED



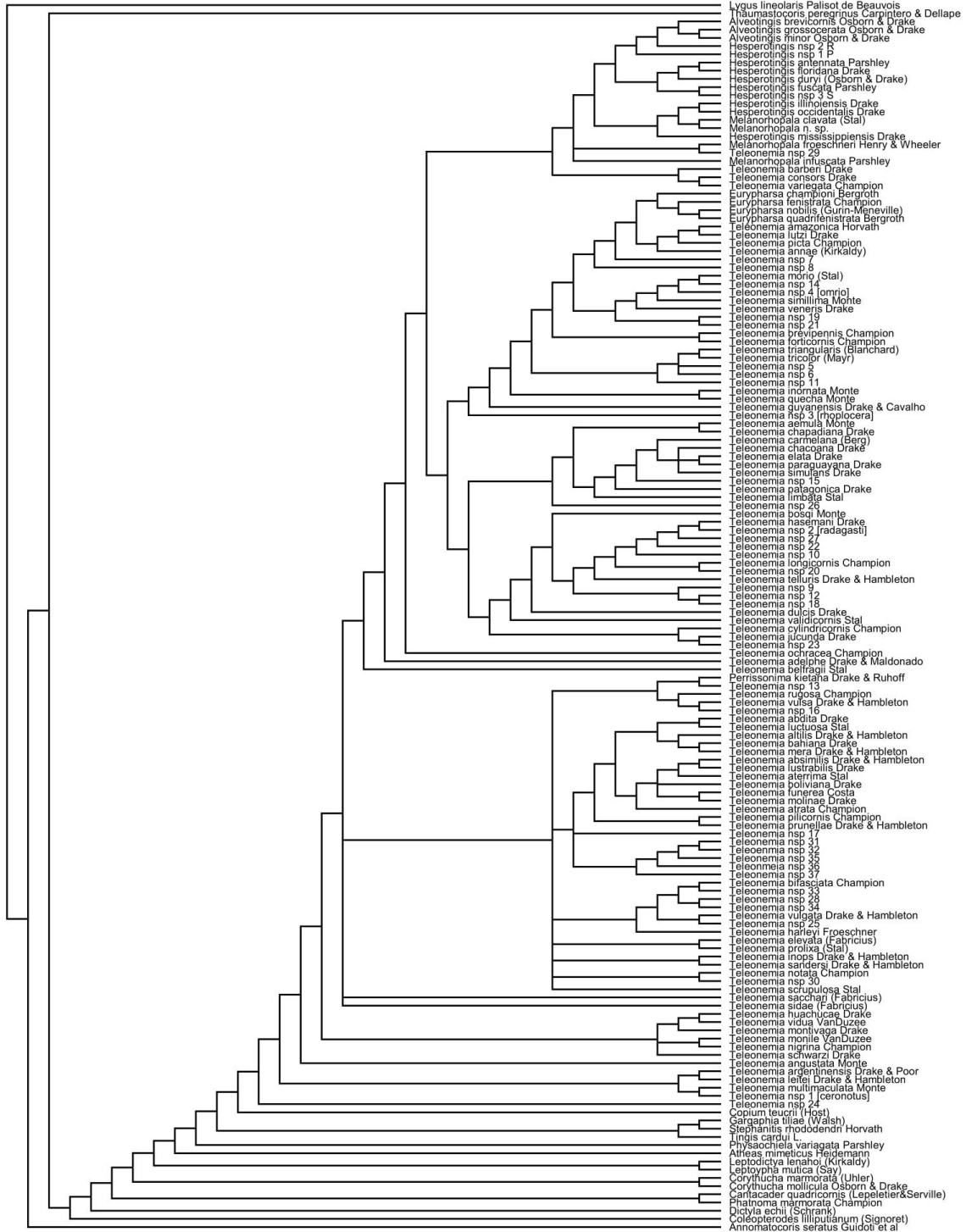
A.1.1. Resulting strict consensus of 100 random replications with one starting tree per replication, first iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



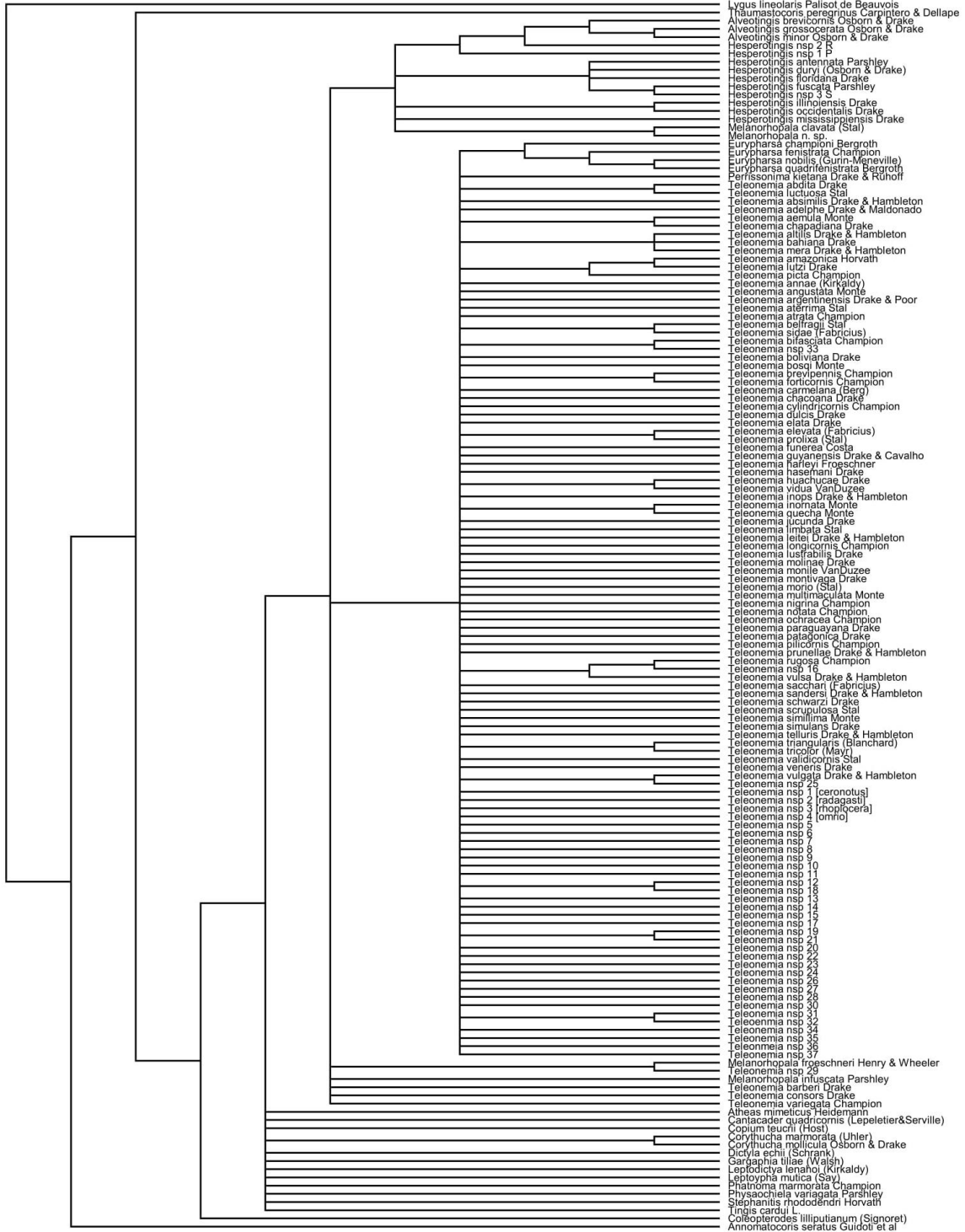
A.1.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, first iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



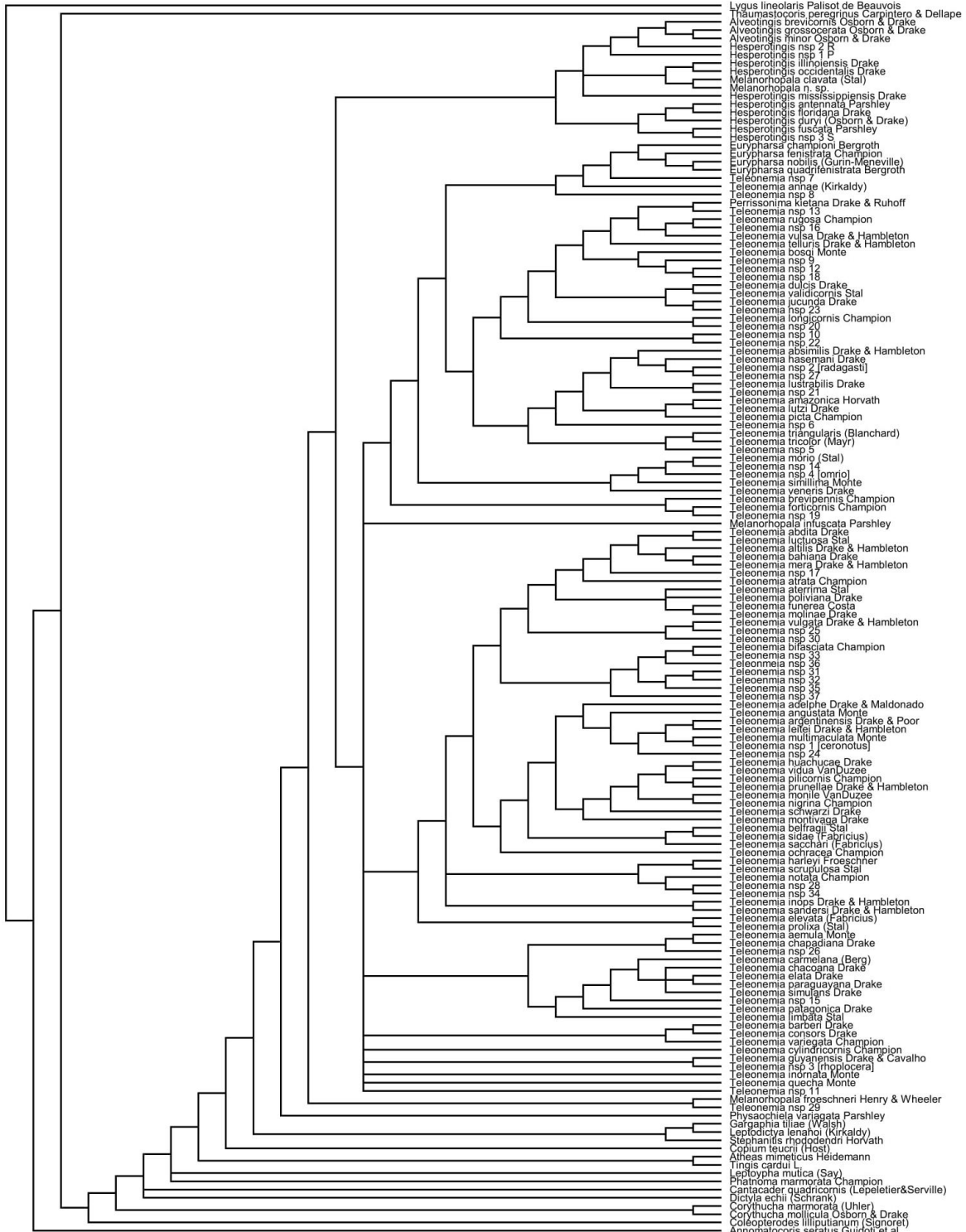
A.2.1. Resulting strict consensus of 100 random replications with one starting tree per replication, second iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



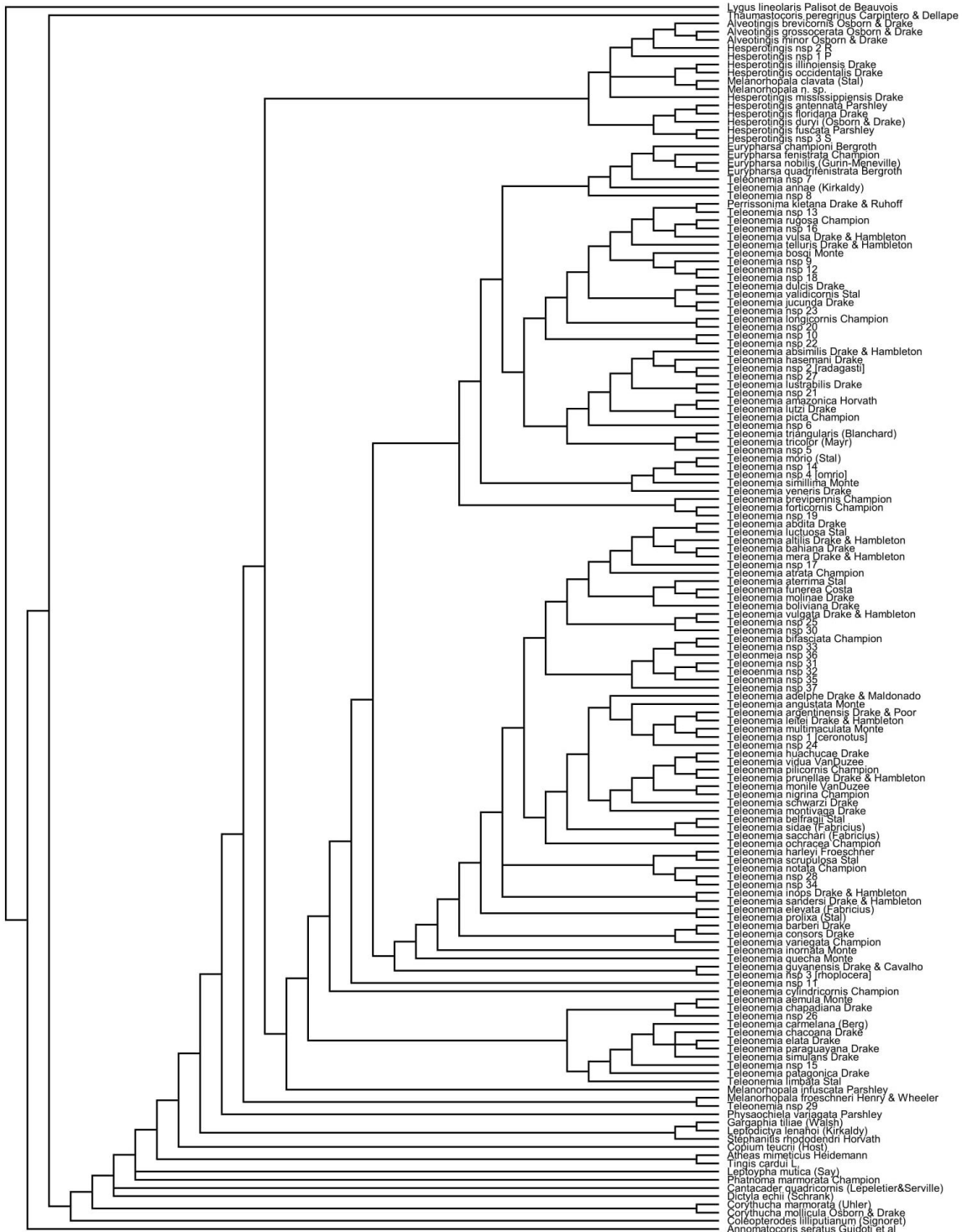
A.2.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, second iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



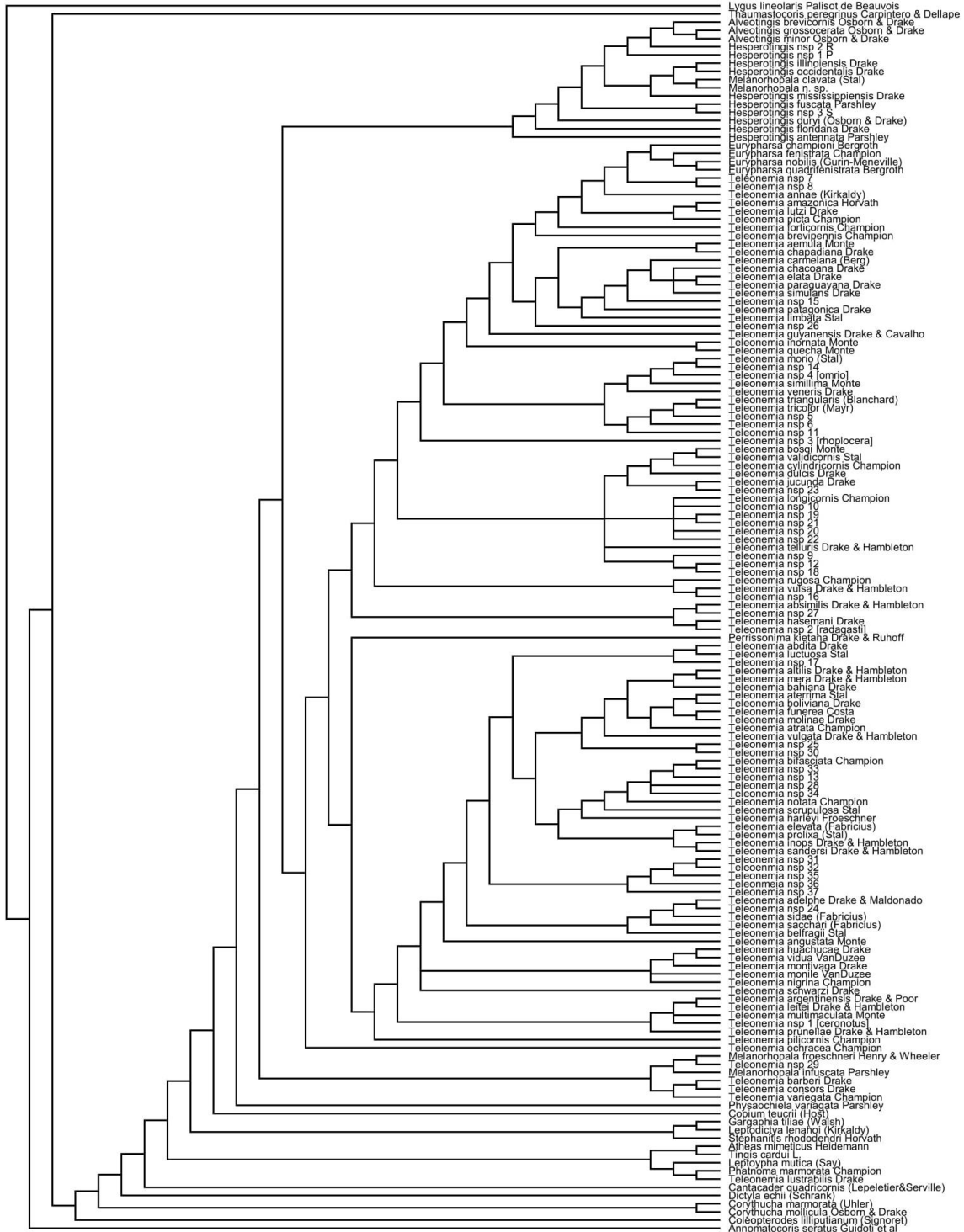
A.3.1. Resulting strict consensus of 100 random replications with one starting tree per replication, fourth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



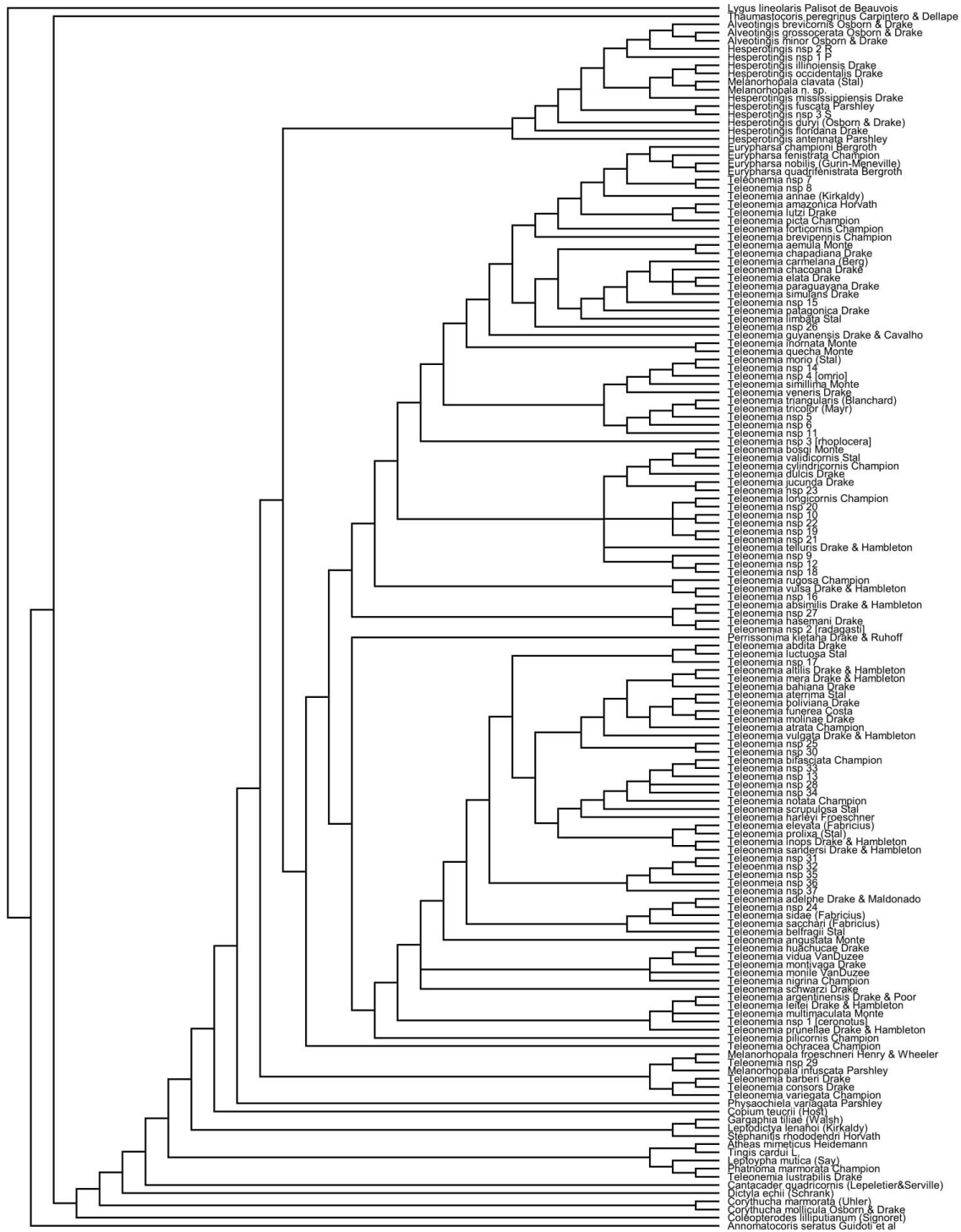
A.4.1. Resulting strict consensus of 100 random replications with one starting tree per replication, fifth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



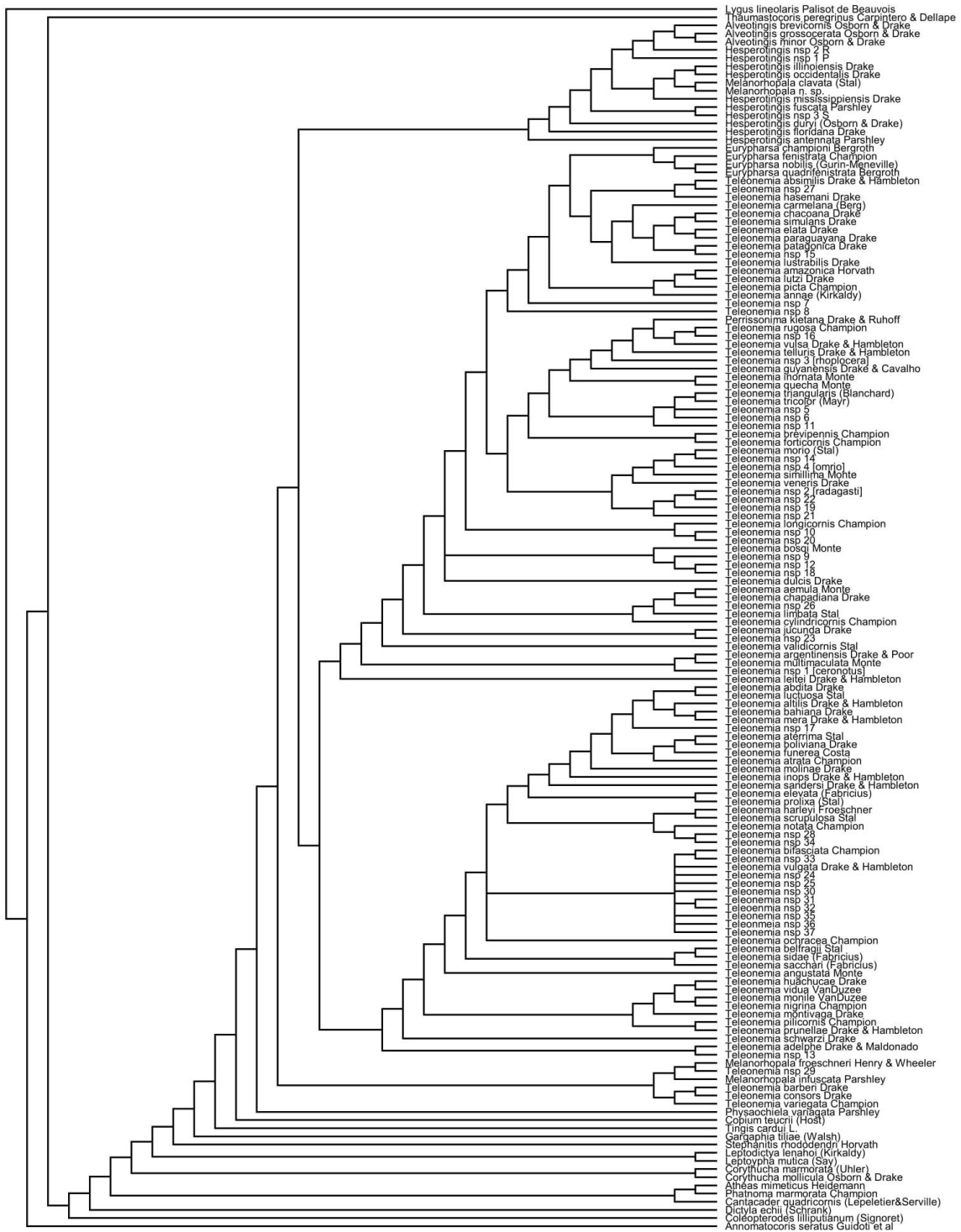
A.4.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, fifth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



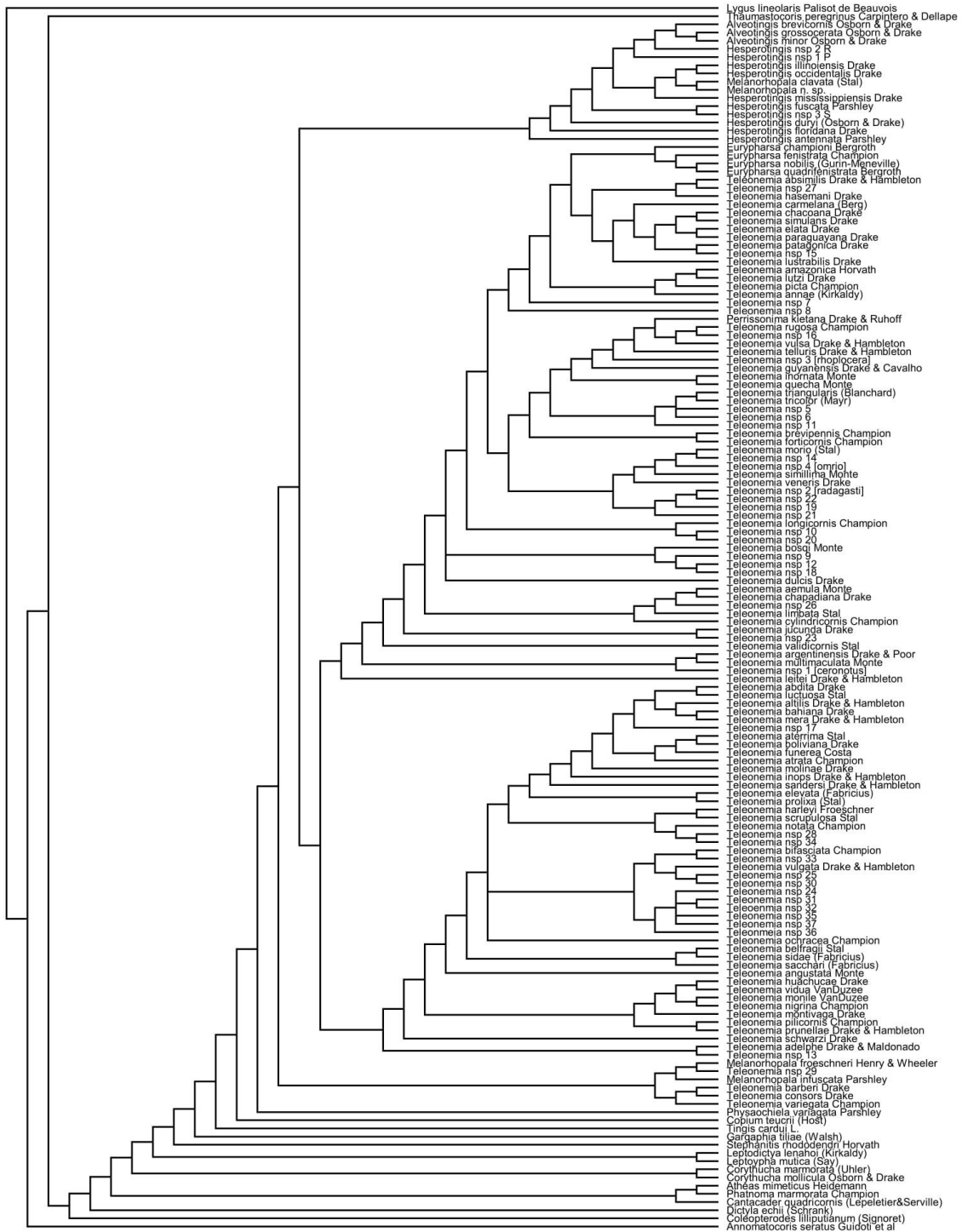
A.5.1. Resulting strict consensus of 100 random replications with one starting tree per replication, sixth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



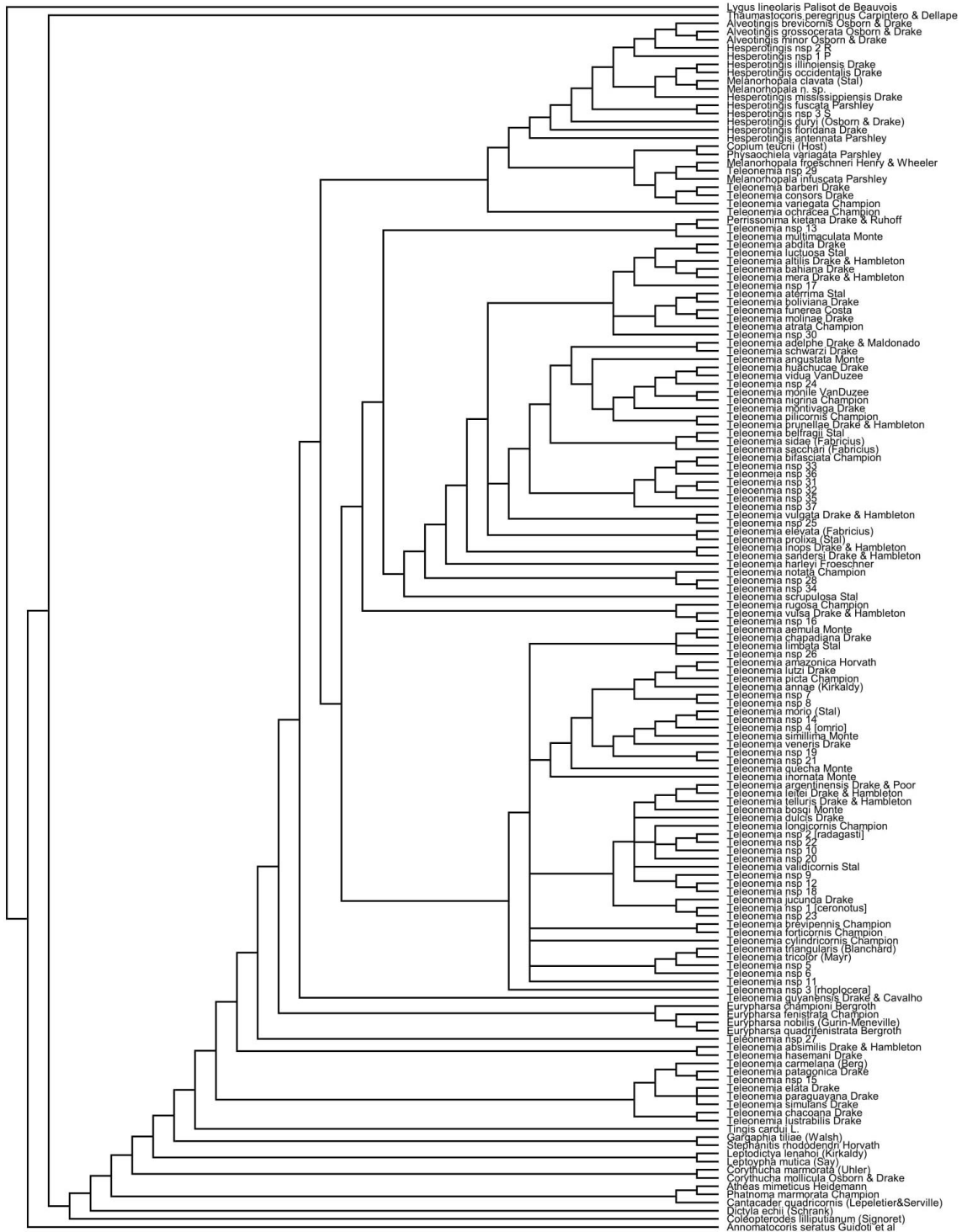
A.5.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, sixth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



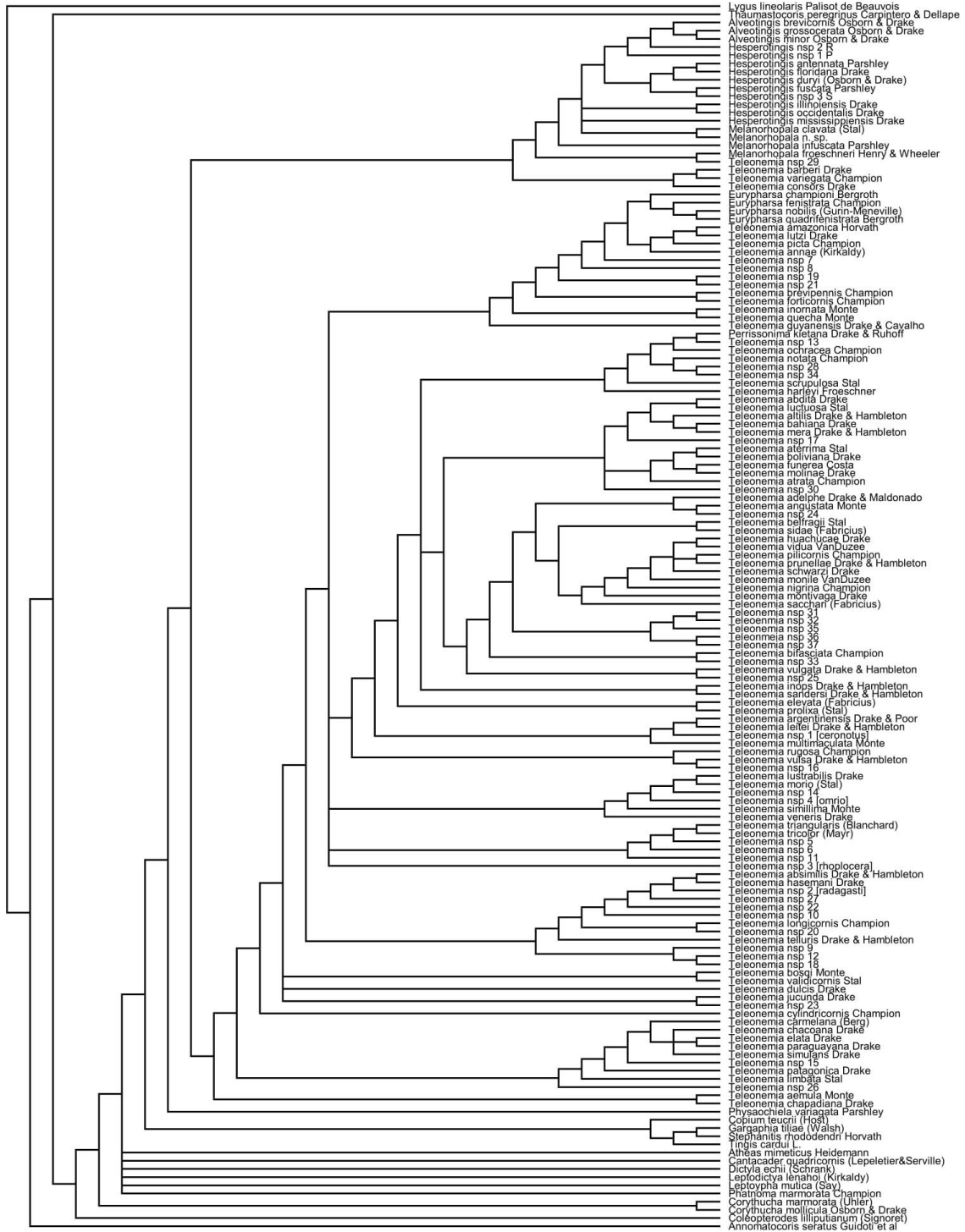
A.6.1. Resulting strict consensus of 100 random replications with one starting tree per replication, seventh iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



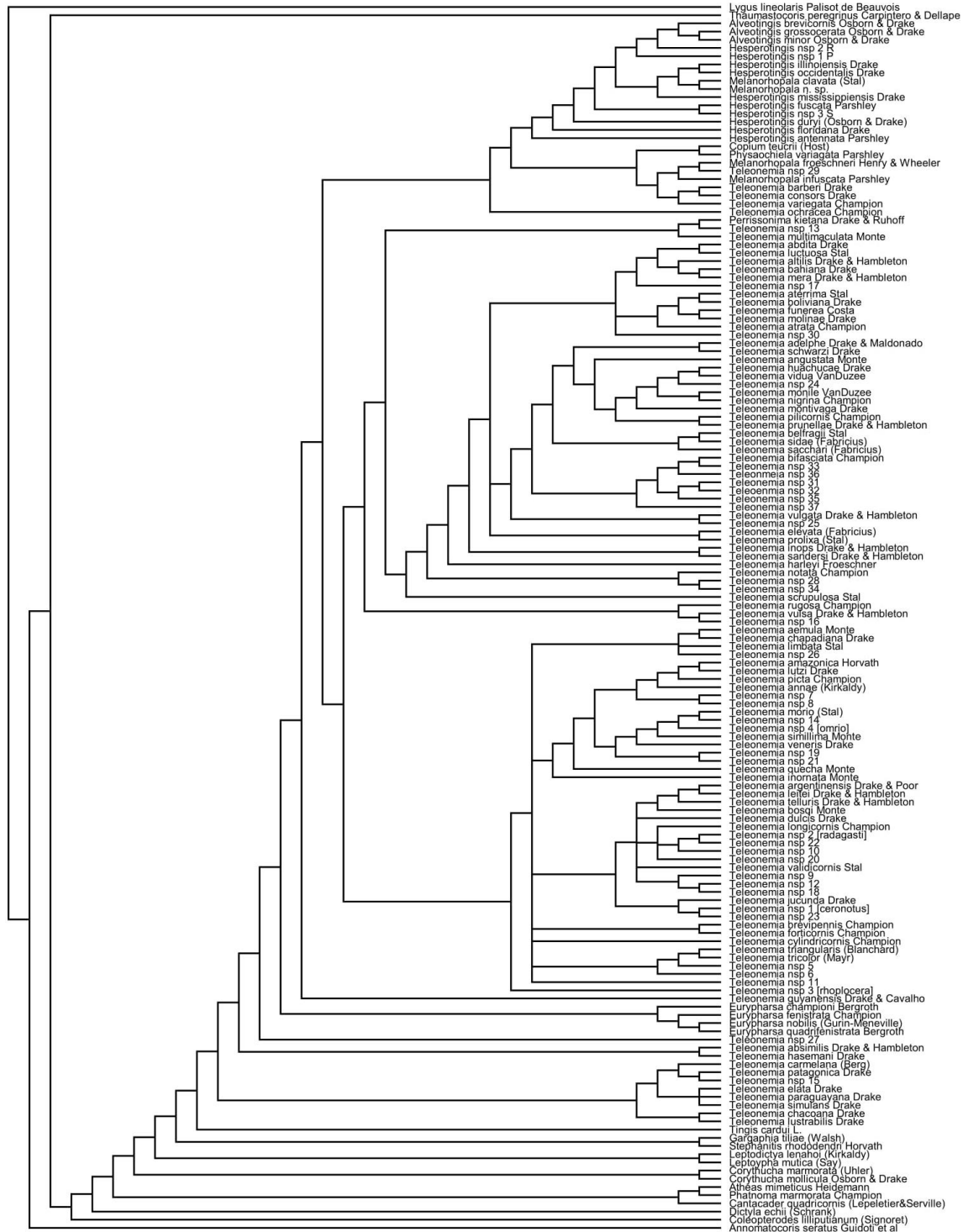
A.6.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, seventh iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



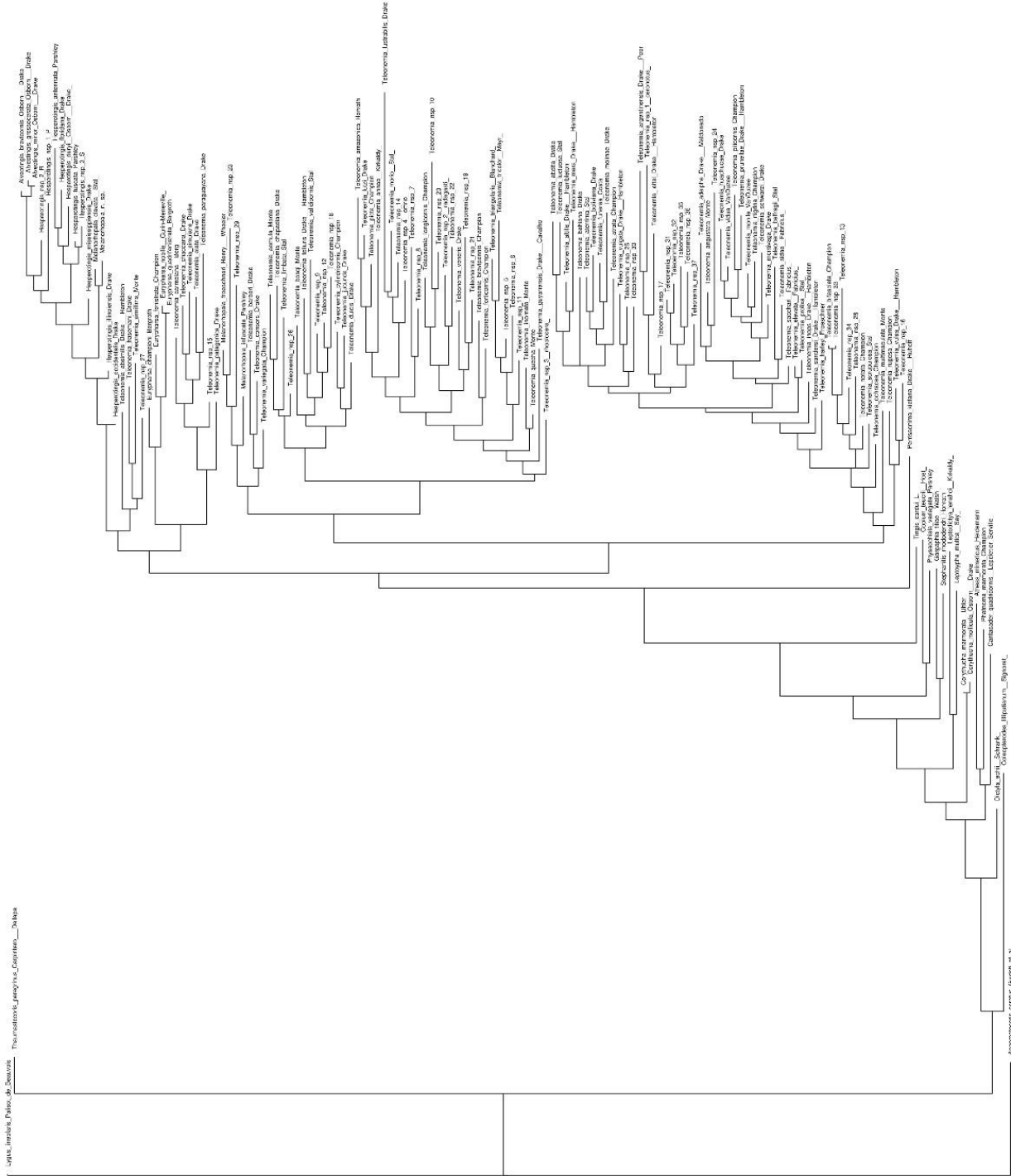
A.7.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, eighth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



A.8.1. Resulting strict consensus of 100 random replications with one starting tree per replication, ninth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



A.8.2. Resulting 50% majority rule consensus of 100 random replications with one starting tree per replication, ninth iteration of parsimony analysis. Consistency Index (CI) ranged from 0.121 to 0.123, Retention index (RI) ranged from 0.503 to 0.510, Rescaled consistency index (RC) ranged from 0.061 to 0.063.



A.9.1. Resulting maximum likelihood phylogeny obtained with IQ-TREE. Shortest tree length 27.631.

Table A.1. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Alveotingis brevicornis</i> Osborn and Drake	OSEC	F	VI-14-2004 [,] Tulsa [,] Tulsa co. OK [,] R. Grantham; ODAFF Survey [,] Lindgren Funnel Trap [,] Affordable Pallet co.
<i>Alveotingis brevicornis</i> Osborn and Drake	TAMU	F	Oklahoma [,] Latimer Co. [,] V-2002, UV [,] K. Stephan
<i>Alveotingis grossocerata</i> Osborn and Drake	CNC	F	Co. Hastings [,] Ont. Can. [,] 10.VII.38 [,] BRIMLEY; Hesperotingis [,] antennata [,] J.F.B. Parsh.; CNC [,] 1176775; Alveotingis [,] grossocerata [,] Osb. & Drk [,] Froeschner 99
<i>Alveotingis grossocerata</i> Osborn and Drake	CUIC	F	VA: Rockingham Co. [,] Geo. Wash. Natl. For. [,] W. of Fulks Run [,] 11 June 1994 [,] A. G. Wheeler, Jr.; ex. Antennaria
<i>Alveotingis grossocerata</i> Osborn and Drake	CUIC	F	VA: Rockingham Co. [,] Geo. Wash. Natl. For. [,] W. of Fulks Run [,] 11 June 1994 [,] A. G. Wheeler, Jr.; ex. Antennaria
<i>Alveotingis grossocerata</i> Osborn and Drake	LSAM	F	Woods Whole [,] 7-16-2 Mass: Alveotingis [,] grossocerata [,] Osborn & Drake [,] Det. A. H. Knudson 2021
<i>Alveotingis minor</i> Osborn and Drake	NDSIRC	M	MN: Clay Co. [,] Bluestem Prairie SNA [,] 46 51'LAT 96 26'long [,] 31-VII-1997 PTF G1 [,] P Tinerella A. Abbott
<i>Alveotingis minor</i> Osborn and Drake	NDSIRC	F	MN: Clay Co. [,] Bluestem Prairie SNA [,] 46 51'LAT 96 26'long [,] 31-VII-1997 PTF G 2 [,] P Tinerella A. Abbott
<i>Alveotingis minor</i> Osborn and Drake	NDSIRC	M	MN: Clay Co. [,] B-B Ranch Lands 4 [,] 47 02'LAT 96 26'long [,] 9-VII-1997 PTF #4 [,] P Tinerella A. Abbott
<i>Eurypharsa championi</i> Bergroth	USNM	M	BOLIVIA: Dept. Santa Cruz [,] Prov. Florida, Vicoquin area [,] Above Achira, rd to Amboró [,] 18°07'S, 63°47'W, 16 Dec.2008 [,] 1730-2000 m, T. Henry, [,] S, Lingafelter & D. Winsor
<i>Eurypharsa championi</i> Bergroth	USNM	F	BOLIVIA: Dept. Santa Cruz [,] Prov. Florida, Vicoquin area [,] Above Achira, rd to Amboró [,] 18°07'S, 63°47'W, 16 Dec.2008 [,] 1730-2000 m, T. Henry, [,] S, Lingafelter & D. Winsor
<i>Eurypharsa championi</i> Bergroth	USNM	F	BOLIVIA: Dept. Santa Cruz [,] Prov. Florida, Vicoquin area [,] Above Achira, rd to Amboró [,] 18°07'S, 63°47'W, 16 Dec.2008 [,] 1730-2000 m, T. Henry, [,] S, Lingafelter & D. Winsor
<i>Eurypharsa championi</i> Bergroth	MNHN	F	Brésil [,] Quéluz [,] P. Germain; MUSEUM PARIS
<i>Eurypharsa championi</i> Bergroth	MNHN	M	Brésil [,] Nova Friburgo [,] P. Germain [,] Février 1884.; MUSEUM PARIS
<i>Eurypharsa championi</i> Bergroth	MNHN	F	Brésil [,] Nova Friburgo [,] P. Germain [,] Février 1884.; MUSEUM PARIS
<i>Eurypharsa championi</i> Bergroth	NHMUK	F	Bresil; Brit. Mus. [,] 1931-398.; Eurypharsa [,] championi [,] Det. Drake Berg.
<i>Eurypharsa fenestrata</i> Champion	NHMUK	M	Holo- [,] type; Type; Bugaba, [,] Panama [,] Champion.; B. C. A. Rhyn. II. [,] Eurypharsa [,] fenestrata [,] Ch.; Sp. figured; ♀; NHMUK 010748247
<i>Eurypharsa fenestrata</i> Champion	CNC	F	COSTA RICA. San José P. [,] 870m, San Isidro del [,] General. 23, Feb. 1984 [,] H & A Howden; CNC [,]
<i>Eurypharsa fenestrata</i> Champion	DARC	M	COSTA RICA: Heredia: Est. Biol. La Selva 10° 26'N. 84 01'W, 15-X-1994, FUK/ 24/01-40, <i>Viola Koschnyi</i>
<i>Eurypharsa cf. fenestrata</i> Champion	USNM	M	ECUADOR: Napo,Tipuitini [Enter] Biodiversity Station 216 M, [Enter] 0°37'55"S, 76°08'39"W [Enter] 5 Feb. 1999 [Enter] T.L.Erwin, et al collectors; Insecticidal fogging of [Enter] mostly bare green leaves, [Enter] some with covering of [Enter] lichenous or bryophytic plants [Enter] Lot 2093, Trans. T-10
<i>Eurypharsa cf. fenestrata</i> Champion	USNM	I	ECUADOR: Napo,Tipuitini [Enter] Biodiversity Station 216 M, [Enter] 0°37'55"S, 76°08'39"W [Enter] 5 Feb. 1999 [Enter] T.L.Erwin, et al collectors; Insecticidal fogging of [Enter] mostly bare green leaves, [Enter] some with covering of [Enter] lichenous or bryophytic plants [Enter] Lot 2093, Trans. T-10
<i>Eurypharsa circumdata</i> (Blanchard)	BYUC	M	BOLIVIA: Dpto. Beni, Prov. San [,] Andrés, 27 km N of Puente [,] Caimanes on I-9, -15.0789° [,] -64.2998°, 586 ft elev. [,] 10 Mar 2016, R. L Johnson ; Eurypharsa [,] nobilis [,] Det A. H. Knudson 2019
<i>Eurypharsa circumdata</i> (Blanchard)	CNC	F	3mi. W. Mayaro [,]Trinidad, W.I. [,] Aug. 14, 1969 [,] H. & A. Howden; CNC [,] 1188924 ; Eurypharsa [,] nobilis [,] Det A. H. Knudson 2019
<i>Eurypharsa circumdata</i> (Blanchard)	CUIC	?	Suapure VENEZ. [,] Caura R. Aug 9 [,] EAKlages 1899; Eurypharsa [,] nobilis [,] Det A. H. Knudson 2019
<i>Eurypharsa circumdata</i> (Blanchard)	EMEC	F	Para Brazil [,] Baker; Eurypharsa [,] nobilis [,] Guer.; UC Berkeley [,] EMEC [,] 1252423
<i>Eurypharsa circumdata</i> (Blanchard)	KSUC	F	PARAGUAY, Bayer Ranch [,] nr Pto Pte Stroessner [,] 12 June 1975 [,] Elzinga, Granovsky & Blocker; Eurypharsa [,] nobilis [,] (Guierin-Meneville) [,] Det. A. H. Knudson 2019
<i>Eurypharsa circumdata</i> (Blanchard)	INBio	U	Santa Rosa National Park Guana. Prov. Costa Rica 9-14 June 1978 D. H. Janzen
<i>Eurypharsa circumdata</i> (Blanchard)	INBio	U	COSTA RICA. Prov. Limón, R.B. Hitoy Cerere, Send. Espavel, 560m, 11 MAR - 1 ABR 2003, E. Rojas, B. Gamboa , W. Arana, Tp. Malaise #2, L_S_401200_569800 #73629
<i>Eurypharsa circumdata</i> (Blanchard)	INBio	U	P. N. Manuel Antonio, 80m, Quepos, Prov. Punt. COSTA RICA G. Varela, Dic 1991, L-S 370900_448800
<i>Eurypharsa circumdata</i> (Blanchard)	KSUC	I	PARAGUAY, Bayer Ranch [,] nr Pto Pte Stroessner [,] 12 June 1975 [,] Elzinga, Granovsky & Blocker; Eurypharsa [,] nobilis [,] (Guierin-Meneville) [,] Det. A. H. Knudson 2019
<i>Eurypharsa circumdata</i> (Blanchard)	MEMC	F	BRAZIL, RO 160-350m [,] vic. CÁUCALANDIA [,] 10deg 32'S 62deg 48'W [,] 31 OCT. 1991 [,] JOHN R. MACDONALD ; Eurypharsa [,] nobilis [,] Det. A. H. Knudson 2019

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Eurypharsa circumdata</i> (Blanchard)	UGCA	F	BOLIVIA : Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel ~400m [,] 22-23 April 2004 [,] J. E. Wappes
<i>Eurypharsa circumdata</i> (Blanchard)	UMRM	M	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa circumdata</i> (Blanchard)	UMRM	M	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	UMRM	M	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	UMRM	M	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	UMRM	M	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	UMRM	F	BOLIVIA : Santa Cruz Dept. [,] 3.7 km SSE Buena Vista [,] Hotel Flora y Fauna ~400m [,] 17°29S 63°33W; [,] beating ; 30 April 2004 [,] colls: A. Cline & J. Wappes ; Eurypharsa [,] nobilis [,] (Guern-Meneville) Det A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	USNM	M	PERU: Madre de Dios [,] Rio Tambopata Res. [,] 30km (air) sw Pto. [,] Maldonado, 290m [,] 12°50'S 069°20'W; Smithsonian Institution [,] Canopy Fogging Project [,] T. L. Erwin et al. colls. [,] 14Sep84, 01/02/052; FOGGING [,] 00019267 ; Eurypharsa [,] nobilis [,] (Guerin-Meneville) [,] Det. A. H. Knudson 2017
<i>Eurypharsa nobilis</i> (Guerin Meneville)	MNHN	?	MUSEUM PARIS [,] BOLIVIA [,] (CHIQUITOS) [,] D' ORBIGNY 1834 ; LECTOTYPE [,] Tingis [,] circumdata [,] Blanchard [,] Det Knudson
<i>Eurypharsa nobilis</i> (Guerin Meneville)	MNHN	M	Chig; Tingis [,] nobilis, Guer. [,] La R.a. Boliv; Eurypharsa [,] nobilis. Gue'r.; HOLOTYPE?; Museum Paris [,] MNHN (EH) 20500
<i>Eurypharsa nobilis</i> (Guerin Meneville)	MNHN	M	chig; Eurypharsa [,] nobilis. Gue'r.; Museum Paris [,] MNHN (EH) 20501
<i>Eurypharsa nobilis</i> (Guerin-Meneville)	NHMUK	M	52 [,] 96
<i>Eurypharsa nobilis</i> (Guerin-Meneville)	NHMUK	F	52 [,] 96
<i>Eurypharsa nobilis</i> (Guerin-Meneville)	NHMUK	M	Villa Braga [,] Brazil [,] XII. 1918 ; Carn. Mus. [,] Acc. 6544; C. J. Drake [,] Coll. 1956; Brit. Mus. [,] 1965-283; Eurypharsa [,] nobilis [,] Drake (guer.)
<i>Eurypharsa nobilis</i> (Guerin-Meneville)	NHMUK	M	Para; 66. [,] 12.
<i>Hesperotingis antennata</i> Parshley	BYUC	F	SOUTH CAROLINA [,] Berkeley Co., Hwy. 45, [,] 7 mi. SE St. Stephen [,] 33°22.5'N, 79°50.5'W, [,] 27-V-2006, S. M. Clark ;
<i>Hesperotingis antennata</i> Parshley	CUIC	F	Franconia, N. H. ; Cor.
<i>Hesperotingis antennata</i> Parshley	CUIC	M	Franconia, N. H. ; PRUHLER Collection
<i>Hesperotingis antennata</i> Parshley	CUIC	F	DEL. WATER GAP; 5
<i>Hesperotingis antennata</i> Parshley	INHS	F	MISSOURI [,] Crawford Co. [,] 5 mi N. St. James [,] June 25 1974; Lot no. [,] Coll. S. O. Swadener; INHS [,] Insect Collection [,] 771,400
<i>Hesperotingis antennata</i> Parshley	LSAM	F	AL. Franklin Co.; 3.5mi [,] N of Marion Co. line on [,] Hwy 187; 1-VI-1992 [,] coll. M. S. Strother ; Collected on [,] Vitis sp.
<i>Hesperotingis antennata</i> Parshley	MEMC	F	ALA., Marion Co. [,] 5.8 mi SW of Hackelburg [,] 34°14'31"N 87°53'45"W [,] 2 June 2008 [,] J. G. Hill; sweeping in glade- [,] like rock outcrops [,] along North [,] Fork Creek

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis antennata</i> Parshley	MEMC	F	ALA., Marion Co. [,] 5.8 mi SW of Hackelburg [,] 34°14'31"N 87°53'45"W [,] 2 June 2008 [,] J. G. Hill; sweeping in glade- [,] like rock outcrops [,] along North [,] Fork Creek
<i>Hesperotingis antennata</i> Parshley	MEMC	F	ALA., Marion Co. [,] 5.8 mi SW of Hackelburg [,] 34°14'31"N 87°53'45"W [,] 2 June 2008 [,] J. G. Hill; sweeping in glade- [,] like rock outcrops [,] along North [,] Fork Creek
<i>Hesperotingis antennata</i> Parshley	MEMC	F	ALA., Marion Co. [,] 5.8 mi SW of Hackelburg [,] 34°14'31"N 87°53'45"W [,] 2 June 2008 [,] J. G. Hill; sweeping in glade- [,] like rock outcrops [,] along North [,] Fork Creek
<i>Hesperotingis antennata</i> Parshley	MEMC	F	ALA., Marion Co. [,] 5.8 mi SW of Hackelburg [,] 34°14'31"N 87°53'45"W [,] 2 June 2008 [,] J. G. Hill; sweeping in glade- [,] like rock outcrops [,] along North [,] Fork Creek
<i>Hesperotingis antennata</i> Parshley	MEMC	M	TENN., Rutherford Co. [,] Flat Rock Ceder Glade [,] 35° 51' 31"N 86°17' 44"W [,] 2-VI-2010 [,] J. G. Hill ; Sweeping in barron [,] zone of ceder [,] glade
<i>Hesperotingis antennata</i> Parshley	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Ceder Glade [,] 35° 51' 31"N 86°17' 44"W [,] 3-VIII-2010 [,] J. G. Hill ; Sweeping in gravel [,] zone of [,] ceder glade
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 9-25 May 2007 [,] J.G.Hill, J.Barone; Pitfall trap in [,] Black Belt [,] Prairie, site 1 [,] plot 2, trap c
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 9-25 May 2007 [,] J.G.Hill, J.Barone; Pitfall trap in [,] Black Belt [,] Prairie, site 1 [,] plot 2, trap c
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 9-25 May 2007 [,] J.G.Hill, J.Barone; Pitfall trap in [,] Black Belt [,] Prairie, site 1 [,] plot 2, trap c
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 9-25 May 2007 [,] J.G.Hill, J.Barone; Pitfall trap in [,] Black Belt [,] Prairie, site 1 [,] plot 2, trap c
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MEMC	F	MISS., Okitbbeh Co. [,] Osborn [,] 33°30'41"N 88°44'08"W [,] 27 May 2009 [,] J.G.Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Hesperotingis antennata</i> Parshley	MSUC	F	Newaygo Co, Mich [,] 7-26-42 [,] R. R. Dreisbach; Hesperotingis [,] antennata [,] Dr45 ♀ Parsh; Hesperotings [,] a. antennata Parshley [,] Det D. R. Swanson 2017
<i>Hesperotingis antennata</i> Parshley	NCSU	F	MO: Boone Co. [,] 1.3 mi N Ashland [,] Wildlife Area [,] VI-19-81 [,] Coll. R. L. Blinn; Tall fescue [,] D-Vac sample ; NCSU 0002037; Hesperotingis [,] antennata Parsh. [,] Det. B. Blinn
<i>Hesperotingis antennata</i> Parshley	OSUC	F	Burlington [,] Co [,] 1926 N.J. [,] R.J.& M.B. Sim; Herbert [,] Osborn [,] Collection; Hesperotingis [,] antennata [,] HO. Parsh; OSUC 777379

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 9 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 9 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 13 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 13 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 13 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	?	Tannersville [,] 13 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 15 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 15 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 20 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 20 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 20 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 20 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	M	Tannersville [,] 23 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 27 VIII 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 5 IX 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 5 IX 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 6 IX 32 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 17 VIII 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	?	Tannersville [,] 19 VIII 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 26 VIII 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 28 VIII 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 28 VIII 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 2 IX 33 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 10 VIII 34 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 10 VIII 34 NY [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Tannersville [,] 18 VIII 34 NY [,] JRTB Collr
<i>Hesperotingis antennata</i> Parshley	SEMC	F	MICHIGAN - Cheboygan [,] Co., Duncan Bay [,] 13 July 1957 [,] W. J. Hanson
<i>Hesperotingis antennata</i> Parshley	SEMC	F	Greensboro NC [,] Gullford Co. [,] VI-18-1958; P D Ashlock [,] collector; Ashlock Coll'n. [,] Bequest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis antennata</i> Parshley	SEMC	?	Greensboro NC [,] Gullford Co. [,] VI-18-1958; P D Ashlock [,] collector; Ashlock Coll'n. [,] Bequest
<i>Hesperotingis antennata</i> Parshley	UCMS	F	Camp Coginchaug [,] Durham, Conn. [,] 7-14-1939 [,] Lester G. Johnson; Hesperotingis [,] antennata [,] Parshley [,] det. J.E.O'Donnell [,] 1981
<i>Hesperotingis antennata</i> Parshley	UCMS	M	Naugatuck st. Fst. [,] Beacon Falls Ct. [,] VIII.13.1970.F.D.Maroney; Alveotingis [,] grossocerata O.&D. [,] det. J.A. Slater 1983
<i>Hesperotingis antennata</i> Parshley	UMRM	F	AdairCoMo [,] III-79 [,] Pittrap
<i>Hesperotingis antennata</i> Parshley	UMRM	F	MO: Boone Co. [,] S. Farm, Columbia [,] VI-21-82 [,] Coll. R. L. Blinn ; Sweeping various [,] grasses
<i>Hesperotingis duryi</i> (Osborn & Drake)	BYUC	F	UTAH, Carbon Co. [,] Anderson Reservoir [,] 9 mi. NE Wellington, 5980 ft., [,] 39°39.03'N, 110°38.24'W [,] 11-VIII-2009, S. M. Clark
<i>Hesperotingis duryi</i> (Osborn & Drake)	EMEC	F	Gr. Canyon [,] Ariz. S. Rim. [,] VI 24 1930; RLUsinger [,] Collector; Hesperotingis [,] duryi [,] var. confusa [,] Det. C.J. Drake Drake; UC Berkeley [,] EMEC [,] 1252427
<i>Hesperotingis duryi</i> (Osborn & Drake)	NMSU	F	NM: DONA ANA CO., USA [,] SOLEDAD CANYON [,] FOUR-WINGED SALTBUSSH [,] 22 AUGUST 2019 [,] COLL: A. J. SALAS; HEMIPTERA TINGIDAE
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	ARIZONA: Cochise Co. [,] 23 miles northeast of [,] Douglas. May 8, 1999 [,] J. C. Schaffner
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEX: Eddy Co. [,] 26 mi. E. Carlsbad [,] V-24-1977
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEX: Eddy Co. [,] 26 mi. E. Carlsbad [,] V-24-1977
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEX: Eddy Co. [,] 26 mi. E. Carlsbad [,] V-24-1977
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEX: Eddy Co. [,] 26 mi. E. Carlsbad [,] V-24-1977
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEX: Eddy Co. [,] 26 mi. E. Carlsbad [,] III-24-1977
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEXICO: Eddy Co. [,] 26 mi. E. Carlsbad [,] 24 May 1977- Gutierrezia [,] sarothrae, Plot W 43, [,] 44, 49, 50-Plant #18; Hesperotingis [,] Leptodictya
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEXICO: Eddy Co. [,] 26 mi. E. Carlsbad [,] 24 May 1977- Gutierrezia [,] sarothrae, Plot W 43, [,] 44, 49, 50-Plant #18
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEXICO: Eddy Co. [,] 32°19.7'N, 103°44.'W [,] (Site 7) 2 June 1979 [,] Burke, Delorme, Carrola [,] Friedlander, Schaffner; Taken from [,] Gutierrezia [,] sarothrae (Pursh) Britt. & Rusby; Teleonemia [,] sp #2
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	NEW MEXICO: Eddy Co. [,] 32°19.7'N, 103°44.'W [,] (Site 8) 2 June 1979 [,] Burke, Delorme, Carrola [,] Friedlander, Schaffner
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	53 Miles South [,] Marathon Tex [,] 6-23-1947 [,] R. H. Beamer
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	TEXAS: Brewster Co. BBNP, Pine Canyon Camp [,] Area no. 4; 4,700 ft. [,] 29° 15' 59"N, 103° 14' 04"W [,] X-1-2005, Raber & Riley-57
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	TEXAS: Brewster Co. BBNP, Pine Canyon Camp [,] Area no. 4; 4,700 ft. [,] 29° 15' 59"N, 103° 14' 04"W [,] X-1-2005, Raber & Riley-57
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	TEXAS: Brewster Co. BBNP, Pine Canyon Trail [,] (middle); 5,000-5,500 ft. [,] 29° 16' 03"N, 103° 14' 42"W [,] X-2-2005, Raber & Riley-59
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	F	TEXAS: Brewster Co. BBNP, Lost Mine Trail [,] (lower); 5,760-6,000 ft. [,] 29° 16' 12"N, 103° 16' 45"W [,] X-3-2005, Raber & Riley-64
<i>Hesperotingis duryi</i> (Osborn & Drake)	TAMU	M	TEXAS: Presidio Co. Big Bend Ranch S.N.A. [,] 29° 30' 45"N [,] 103° 51' 56"W [,] August 7-9 1991 [,] J. Woolley. Yellow pan tr.
<i>Hesperotingis duryi</i> (Osborn & Drake)	UAIC	F	Rosemont, [,] Pima Co., ARIZ [,] 17 June 1977 [,] M. Hetz; Swept/ [,] Hepiopapus [,] tenuisectus
<i>Hesperotingis duryi</i> (Osborn & Drake)	UAIC	M	Coolg'e D. [,] a5-18-30; Alveotingis [,] (?) grossocerata [,] Det. C. R. Ash 9/9/57
<i>Hesperotingis duryi</i> (Osborn & Drake)	UAIC	M	Exp. Sta. [,] 6 12 97 [,] Ames, Ia; E. D. Ball

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis fuscata</i> Parshley	CNC	F	BC, Kilpoola L. [,] 15.vii-16.viii.1996 [,] J. Jarrett & [,] G.G.E. Scudder; PPxh1 [,] 8WJ:F/2SS:F [,] Pitfall trap [,] KL 3-5; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC-HEM-1198 [,] BOLD Proc ID: HCNC723-09; <i>Hesperotingis</i> [,] <i>fuscatus</i> Parsh [,] G.G.E. Scudder [,] det. 1998
<i>Hesperotingis fuscata</i> Parshley	CNC	F	BC, Kilpoola L. [,] 15.vii-16.viii.1996 [,] J. Jarrett & [,] G.G.E. Scudder; PPxh1 [,] 8WJ:F/2SS:F [,] Pitfall trap [,] KL 3-4 <i>Hesperotingis</i> [,] <i>fuscatus</i> Parsh [,] G.G.E. Scudder [,] det. 1999
<i>Hesperotingis fuscata</i> Parshley	CNC	M	Cranebrook, B. C. [,] 23. VII. 1959 [,] L. A. Kelton; Ponderosa [,] pine; CNC [,] 1176779; <i>Hesperotingis</i> [,] <i>antennata</i> [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis fuscata</i> Parshley	CNC	M	Cranebrook, B. C. [,] 23. VII. 1959 [,] L. A. Kelton; Ponderosa [,] pine; CNC [,] 1176780; <i>Hesperotingis</i> [,] <i>antennata</i> [,] Parshley [,] Froeschner '99
<i>Hesperotingis fuscata</i> Parshley	CNC	M	16421- [,] 23CP6; Saskatoon, Sask. [,] August 4 1925 [,] Kenneth M. King ; give [,] host; CNC [,] 1176776; <i>Hesperotingis</i> [,] <i>antennata</i> [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis fuscata</i> Parshley	CNC	F	CANADA Cypress Hills, [,] S. Maple Cr. Sask. 117 [,] 20.VII.1956. Lindroth; CNC [,] 1176777; <i>Hesperotingis</i> [,] <i>antennata</i> [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis fuscata</i> Parshley	CNC	F	Aweme, Man. [,] R. M. White [,] 25-VIII-1922; CNC [,] 1176778; <i>Hesperotingis</i> [,] <i>antennata</i> [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis fuscata</i> Parshley	CSUC	M	CO: Larimer Co. [,] Maxwell Ranch; CSU [,] Transect 9B: Sweep Net [,] N 40.93666 W 105.24205 [,] 10 July 2009 [,] Coll S. McCollum; <i>Hesperotingis</i> [,] ? <i>fuscata</i>
<i>Hesperotingis fuscata</i> Parshley	LSAM	F	Newall, S. Dak [,] July 21 1947 [,] H. C. Severin; LSAM [,] 0297579; <i>Hesperotingis</i> [,] <i>fuscata</i> [,] Parshley [,] Det. A. H. Knudson 2021; <i>Hesperotingis</i> [,] ? <i>antennata</i> [,] Parsh
<i>Hesperotingis fuscata</i> Parshley	LSAM	F	Kadoka, S. D. [,] Badlands [,] July 19 1947 [,] H. C. Severin; LSAM [,] 0297577
<i>Hesperotingis fuscata</i> Parshley	LSAM	F	Kadoka, S. D. [,] Badlands [,] July 19 1947 [,] H. C. Severin; LSAM [,] 0297578
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	ND: Richland Co. [,] ~4mi SE Mcleod [,] T133N R52W Sec 7 [,] <i>Daliea villosa</i> [,] VIII-2-1995 sweep 1 [,] K. Urlacher; <i>Hesperotingis</i> [,] <i>antennata</i> [,] Parshley [,] Det. D. A. Rider 1996
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] Bluestem site D9-D10 [,] T139N R46W Sec. 15 [,] VII-13-1995 G. Fauske [,] C. Locken, L. DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 4-5 [,] T141N R45W Sec. 8 [,] VIII-4-1995 sweep [,] C. Locken, L. DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 4-5 [,] T141N R45W Sec. 8 [,] VIII-4-1995 sweep [,] C. Locken, L. DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 4-5 [,] T141N R45W Sec. 8 [,] VIII-4-1995 sweep [,] C. Locken, L. DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 4-5 [,] T141N R45W Sec. 8 [,] VIII-4-1995 sweep [,] C. Locken, L. DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 2-3 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 L. DeCock [,] C. Locken G. Fauske
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 2-3 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 L. DeCock [,] C. Locken G. Fauske
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 2-3 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 L. DeCock [,] C. Locken G. Fauske
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 2-3 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 L. DeCock [,] C. Locken G. Fauske
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. sweep [,] B-B Ranch 5+ [,] T141N R45W Sec. 8 [,] 4-VIII-1995 L. DeCock [,] G. Fauske C. Locken
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. sweep [,] B-B Ranch 5+ [,] T141N R45W Sec. 8 [,] 4-VIII-1995 L. DeCock [,] G. Fauske C. Locken
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. sweep [,] B-B Ranch 5+ [,] T141N R45W Sec. 8 [,] 4-VIII-1995 L. DeCock [,] G. Fauske C. Locken
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 1-2 [,] T141N R45W Sec. 8 [,] 4 VIII-1995 L. DeCock [,] G. Fauske C. Locken
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] Bluestem Prairie D4 [,] T139N R46W Sec. 15 [,] 5 IX 1995 D.Rider [,] G.Fauske C.Locken

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] Bluestem Prairie D6 [,] 46 51'LAT 96 28'long [,] 13-VII-1995 PTF D6 [,] D.Rider G.Fauske
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 3-4 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 G.Fauske [,] C.Locken L.DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 3-4 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 G.Fauske [,] C.Locken L.DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch 3-4 Sweep [,] T141N R45W Sec. 8 [,] 4 VIII 1995 G.Fauske [,] C.Locken L.DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch sweep [,] T141N R45W Sec. 8 [,] VIII-4-1995 0-1 [,] C.Locken L.DeCock
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. [,] B-B Ranch Lands#1 [,] 47 02'LAT 96 25'long [,] 28-VIII-1997 ptf #1 [,] P Tinerella A. Abbott
<i>Hesperotingis fuscata</i> Parshley	NDSIRC	F	MN Clay Co. Bluestem [,] Prairie SNA D9 [,] T139N R46W Sec. 15 [,] 3 IX 1996 sweep [,] J.Albertson L. Decock
<i>Hesperotingis fuscata</i> Parshley	SEMC	F	NEBRASKA: McPher- [,]son Co., Sandhills [,] Agriculture Lab; June 1972 [,] J. L. Wedburg [,] ex., pitfall trap; Ashlock Coll'n. [,] Bequest; Ssandhills Ag. Lab. [,] McPherson Co. Neb. [,] VI-1972 pit fall [,] J. L. Wedberg
<i>Hesperotingis fuscata</i> Parshley	WIRC	F	Green Co., Wis [,] July 1 1963 [,] J.T.Medler Col.
<i>Hesperotingis fuscata</i> Parshley	WIRC	F	USA: WI: Sheboygan Co. [,] Kohler Park Dunes SNA [,] 43°39'53"N/87°43'11"W [,] 9-30 June 2001 [,] Jeffery P. Gruber ; barrier-pitfall trap in [,] lakeshore dunes
<i>Hesperotingis fuscata</i> Parshley	WIRC	F	USA: WI: Sheboygan Co. [,] Kohler Park Dunes SNA [,] 43°40'25"N/87°42'42"W [,] 15-29 July 2000 [,] Jeffery P. Gruber ; barrier-pitfall trap in [,] lakeshore dunes [,] near forest edge; Alveotingis sp.[,] det. A. H. Williams [,] 2001 Pleasant Valley [,] Iowa 6-26-1930 [,] H. M. Harris; LSAM [,] 0297580; Hesperotingis [,] illinoensis [,] H. Drake
<i>Hesperotingis illinoensis</i> Drake	LSAM	F	Ark. Logan Co. [,] Magazine Mt. 1350' [,] T6N, R25W, sec. 16 [,] 19 May 1989 [,] R. L. Brown, Q. Fang; Sweeping; William H. Cross [,] Expedition; Hesperotingis [,] Illinoensis Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis illinoensis</i> Drake	MEMC	F	Ark. Logan Co. [,] Magazine Mt. 1350' [,] T6N, R25W, sec. 16 [,] 19 May 1989 [,] J. MacGown, T. Schiefer; Sweeping; William H. Cross [,] Expedition; Hesperotingis [,] Illinoensis Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis illinoensis</i> Drake	MEMC	M	TENN., Davidson Co. [,] Couchville Glade N. A. [,] 36° 06' 04"N 86°31' 46"W [,] 3-VI-2010 [,] J. G. Hill ; Sweeping in [,] barren zone [,] of glade ; Hesperotingis [,] Illinoensis Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis illinoensis</i> Drake	NCSU	F	2 mi. N Rosati, MO [,] Crawford Co. [,] VI-19-80 [,] Coll. Bob Blinn; NCSU 0000496; Hesperotingis [,] illinoensis [,] Drake [,] Det. R. L. Blinn 1994
<i>Hesperotingis illinoensis</i> Drake	NCSU	F	MO: Pettis Co. [,] Paint Brush Pr [,] VI-VI- 86 [,] Coll. R. L. Blinn; NCSU 0000499
<i>Hesperotingis illinoensis</i> Drake	NCSU	F	Mo: Vernon Co. [,] Gay Feather Prairie [,] Vi-7, 1980 [,] Coll. R. L. Blinn; NCSU 0000498
<i>Hesperotingis illinoensis</i> Drake	WIRC	F	WISCONSIN: Sauk Co. [,] Leopold Reserve [,] 29-V-1988 [,] L. F. Goodman; SUVANNA; Hesperotingis [,] Illinoensis Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis illinoensis</i> Drake	WIRC	F	WISCONSIN: Sauk Co. [,] Leopold Reserve [,] 29-V-1988 [,] L. F. Goodman; SUVANNA; Hesperotingis [,] Illinoensis Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis mississippiensis</i> Drake	MEMC	M	LA., Cameron Par. [,] Cameron Prairie NWR [,] 29°56'42"N, 93°05'17"W [,] 7-15 OCT. 1992 [,] J. MacGowan, T. Schiefer; PITFALL TRAP IN [,] COSTAL PRAIRIE [,] & MARSH
<i>Hesperotingis mississippiensis</i> Drake	MEMC	F	LA., Cameron Par. [,] Cameron Prairie NWR [,] 29°56'42"N, 93°05'17"W [,] 7-15 OCT. 1992 [,] J. MacGowan, T. Schiefer; PITFALL TRAP IN [,] COSTAL PRAIRIE [,] & MARSH
<i>Hesperotingis occidentalis</i> Drake	BYUC	M	WYOMING, Johnson Co. [,] Middle Fork Campground, [,] Bighorn Mtns, 44.2982°N, [,] 106.9462°W, elev. 7300 ft., [,] 7-VIII-2013, S. M. Clark ; BYUC109333 [,] Brigham Young [,] University [,] Arthropod [,] Collection
<i>Hesperotingis occidentalis</i> Drake	CNC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; CNC [,] 1176781
<i>Hesperotingis occidentalis</i> Drake	CNC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; Hesperotingis [,] occidentalis; CNC [,] 1176782
<i>Hesperotingis occidentalis</i> Drake	CNC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; Hesperotingis [,] occidentalis; CNC [,] 1176783
<i>Hesperotingis occidentalis</i> Drake	CNC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; Hesperotingis [,] occidentalis; CNC [,] 1176784

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis occidentalis</i> Drake	CNC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; CNC [,] 1176785
<i>Hesperotingis occidentalis</i> Drake	CNC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; <i>Hesperotingis</i> [,] <i>occidentalis</i> ; CNC [,] 1176786
<i>Hesperotingis occidentalis</i> Drake	CNC	F	Fernie, B. C. [,] 1.VII.1934 [,] Hugh B. Leach; CNC [,] 1176787; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis occidentalis</i> Drake	CNC	?	107; Sterling, Alta [,] July 14 1902 [,] Mariae & Trone; CNC [,] 1176788; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] DK [,] Det. H. M. Parshley
<i>Hesperotingis occidentalis</i> Drake	CNC	F	ALTA. Kananaskis [,] Rd. 20.VII.1974 [,] L. A. Kelton; CNC [,] 1176789; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis occidentalis</i> Drake	CNC	F	Fernie, B. C. [,] 1.VII.1934 [,] Hugh B. Leach; CNC [,] 1176790; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis occidentalis</i> Drake	CNC	M	ALTA. Kananaskis [,] Rd. 20.VII.1974 [,] L. A. Kelton; CNC [,] 1176791; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] Froeschner 99
<i>Hesperotingis occidentalis</i> Drake	CNC	M	Lundbreck Alta. [,] 7 July 1970 [,] L. A. Kelton; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC-HEM-400371 [,] BOLD Proc ID: CNCHB010-11; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] G.G.E. Scudder [,] det. 2000
<i>Hesperotingis occidentalis</i> Drake	CSUC	F	Day Drift [,] W. ST. LOUIS CREEK [,] FRASER EXP. FOREST [,] GRAND CO., COLO [,] 18 Aug 1999 [,] H. RHODES
<i>Hesperotingis occidentalis</i> Drake	CUIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] det. C. J. Drake Drake
<i>Hesperotingis occidentalis</i> Drake	CUIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes
<i>Hesperotingis occidentalis</i> Drake	CUIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes
<i>Hesperotingis occidentalis</i> Drake	EMEC	F	Northport [,] 6/13/29 Wash. [,] W. W. Jones; SolidegoUC Berkeley [,] EMEC [,] 1252424
<i>Hesperotingis occidentalis</i> Drake	EMEC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] Det. Drake ; UC Berkeley [,] EMEC [,] 1252425
<i>Hesperotingis occidentalis</i> Drake	EMEC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hottes; UC Berkeley [,] EMEC [,] 1252426
<i>Hesperotingis occidentalis</i> Drake	EMEC	F	BostetterFor. [,] Camp, CassiaCo. [,] SawtoothN.F. [,] IDA.viii-28-1963; C. W. O'Brien [,] Collector; UC Berkeley [,] EMEC [,] 1252400
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	M	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	ISIC	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park, Colo. [,] Aug. 15-22, 1924 [,] Drake & Hotes; LSAM [,] 0297589
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297581; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] D. Drake
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297582
<i>Hesperotingis occidentalis</i> Drake	LSAM	M	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297583
<i>Hesperotingis occidentalis</i> Drake	LSAM	M	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297584
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297585
<i>Hesperotingis occidentalis</i> Drake	LSAM	M	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297586
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297587
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Pingree Park [,] Colo. IX-24 [,] F. C. H; LSAM [,] 0297588
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297590
<i>Hesperotingis occidentalis</i> Drake	LSAM	M	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297591
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297592
<i>Hesperotingis occidentalis</i> Drake	LSAM	?	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297593
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297594
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297595
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297596
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297597
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297598
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297599
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297600
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	McCall, Idaho [,] July 31, 1938 [,] H. M. Harris; LSAM [,] 0297601
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297602
<i>Hesperotingis occidentalis</i> Drake	LSAM	F	Chama N. Mex [,] July 5, 1937 [,] L. D. Tuthill; LSAM [,] 0297603
<i>Hesperotingis occidentalis</i> Drake	OSUC	F	Pingree Park [,] Colo 8-1924; Herbert [,] Osborn [,] Collection; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] HO. Drake; OSUC 777380
<i>Hesperotingis occidentalis</i> Drake	OSUC	M	Pingree Park [,] Colo 8-1924; Herbert [,] Osborn [,] Collection; OSUC 777381
<i>Hesperotingis occidentalis</i> Drake	OSUC	F	Pingree Park [,] Colo 8-1924; Herbert [,] Osborn [,] Collection; OSUC 777382
<i>Hesperotingis occidentalis</i> Drake	OSUC	M	Pingree Park [,] Colo 8-1924; Herbert [,] Osborn [,] Collection; OSUC 777383
<i>Hesperotingis occidentalis</i> Drake	SEMC	F	BostetterFor. [,] Camp, CassiaCo. [,] SawtoothN.F. [,] IDA.viii-28-1963; C. W. O'Brien [,] Collector; Ashlock Coll'n. [,] Bequest
<i>Hesperotingis occidentalis</i> Drake	SEMC	F	BostetterFor. [,] Camp, CassiaCo. [,] SawtoothN.F. [,] IDA.viii-28-1963; C. W. O'Brien [,] Collector; Ashlock Coll'n. [,] Bequest
<i>Hesperotingis occidentalis</i> Drake	SEMC	F	Big Horn [,] Wyo. VII-7-53 [,] P.B. Lawson

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Hesperotingis occidentalis</i> Drake	TAMU	F	Bassetts, Sierra Co. [,] Calif. , VIII-6-59 [,] W.F.Chamberlain
<i>Hesperotingis occidentalis</i> Drake	TAMU	F	Bassetts, Sierra Co. [,] Calif. , VIII-6-59 [,] W.F.Chamberlain
<i>Hesperotingis occidentalis</i> Drake	TAMU	F	Bassetts, Sierra Co. [,] Calif. , VIII-6-59 [,] W.F.Chamberlain
<i>Hesperotingis occidentalis</i> Drake	TAMU	F	Bassetts, Sierra Co. [,] Calif. , VIII-6-59 [,] W.F.Chamberlain
<i>Hesperotingis occidentalis</i> Drake	TAMU	F	Bassetts, Sierra Co. [,] Calif. , VIII-6-59 [,] W.F.Chamberlain
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Pably. [,] Harris 1940
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Moyie Spr. [,] Boundary Co. [,] IDA VI-13-1979; A. R. Gittins [,] Collector; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] Det. A. H. Knudson 2019
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Sagehorn Creek, [,] Nevada Co. Calif. [,] VII-14-62 [,] R. L. Westcott
<i>Hesperotingis occidentalis</i> Drake	UIDC	M	Pingree Park [,] Colo. IX-24 [,] F. C. H; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Harris Drake; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,]Psbly [,] Harris 1940
<i>Hesperotingis occidentalis</i> Drake	UIDC	M	Pingree Park [,] Colo. IX-24 [,] F. C. H; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,]Psbly [,] Harris 1940
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Harris Drake; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,]Psbly [,] Harris 1940
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Harris Drake
<i>Hesperotingis occidentalis</i> Drake	UIDC	F	Athol, Idaho [,] Kootenai Co. [,] VII-2-1952 ; W. F. Barr [,] Collector; Penstemon
<i>Hesperotingis occidentalis</i> Drake	UMSP	M	Pingree Park [,] Larimer Co. Colo. [,] Aug. 17-22, 1925 [,] F. C. Hottes; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] Det. A. H. Knudson 2020
<i>Hesperotingis occidentalis</i> Drake	UMSP	F	Pingree Park [,] Larimer Co. Colo. [,] Aug. 17-22, 1925 [,] F. C. Hottes; <i>Hesperotingis</i> [,] <i>occidentalis</i> [,] Drake [,] Det. A. H. Knudson 2020
<i>Hesperotingis occidentalis</i> Drake	USNM	M	Pingree Park, Colo. [,] Aug. 20-25, 1924 [,] C. J. Drake; WLMcAtee [,] 1942 [,] Collection
<i>Hesperotingis occidentalis</i> Drake	USNM	M	Northport [,] 6/13/29 Wash. [,] W. W. Jones; Solidego
<i>Alveotingis pantex</i> Knudson n. sp..	TAMU	F	TX: CARSON CO. [,] Pantex Plant, Site 8 [,] Pantex Lake Grassland [,] 9-16- July 2001 [,] D. Sissom, S. Cox [,] pitfall traps; <i>Alveotingis</i> [,] <i>grossocera</i> [,] Osborn + Drake
<i>Alveotingis rileyorum</i> Knudson n. sp..	AHKC	M	USA: TEXAS: Brazos Co. [,] College Sta. Riley Estate [,] 30.58849°N 96.25366°W [,] E.G. & M. L. Riley; VI-10-17-2020 [,] pit-fall trap [,] post oak savana
<i>Alveotingis rileyorum</i> Knudson n. sp..	MEMC	M	MISS, Chickasaw Co. [,] Bunea Vista [,] 33°53'45"N 88°49'08"W [,] 12-19 June, 2014 [,] j.Hill, N. Ridlen, J. Busby; Pulliman Prairie [,] pitfall in [,] unburned prairie
<i>Alveotingis rileyorum</i> Knudson n. sp..	MEMC	M	MISS, Chickasaw Co. [,] Bunea Vista [,] 33°53'45"N 88°49'08"W [,] 19 June-3 July, 2014 [,] j.Hill, N. Ridlen, J. Busby; Pulliman Prairie [,] pitfall in [,] unburned prairie
<i>Alveotingis rileyorum</i> Knudson n. sp..	TAMU	F	USA: TEXAS: Brazos Co. [,] College Sta. Riley Estate [,] 30.58849°N 96.25366°W [,] E.G. & M. L. Riley; VII-1-9-2020 [,] pit-fall trap [,] post oak savana
<i>Alveotingis rileyorum</i> Knudson n. sp..	TAMU	F	USA: TEXAS: Brazos Co. [,] College Sta. Riley Estate [,] 30.58849°N 96.25366°W [,] E.G. & M. L. Riley; VII-1-9-2020 [,] pit-fall trap [,] post oak savana
<i>Alveotingis rileyorum</i> Knudson n. sp..	UIDC	M	TX Wharton Co. [,] 2 mi NW East Bernard [,] 10 July 1984 prairie [,] Marlin E. Rice
<i>Alveotingis rileyorum</i> Knudson n. sp..	USNM	M	USA: TEXAS: Brazos Co. [,] College Sta. Riley Estate [,] 30.58849°N 96.25366°W [,] E.G. & M. L. Riley; VI-10-17-2020 [,] pit-fall trap [,] post oak savana
<i>Alveotingis rileyorum</i> Knudson n. sp..	USNM	F	USA: TEXAS: Brazos Co. [,] College Sta. Riley Estate [,] 30.58849°N 96.25366°W [,] E.G. & M. L. Riley; VI-10-17-2020 [,] pit-fall trap [,] post oak savana
<i>Melanorhopala clavata</i> (Stål)	AHKC	F	USA: ND: Ransom Co. [,] Brown Ranch T.N.C. [,] 12-VII-2016 [,] A. H. Knudson

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	BYUC	M	NEB, Lancaster Co. [,] Nine-mile Prairie [,] 40°51'58"N, 96°48'20.1", 400 m, [,] 19 June 2021, K. Miwa; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC116431
<i>Melanorhopala clavata</i> (Stål)	BYUC	F	WEST VIRGINIA, [,] Pocahontas Co., [,] Charles Creek Trail, [,] near Cranberry Glades [,] 13-VII-2001, S. M. Clark
<i>Melanorhopala clavata</i> (Stål)	BYUC	F	WEST VIRGINIA, [,] Pocahontas Co., [,] Charles Creek Trail, [,] near Cranberry Glades [,] 13-VII-2001, S. M. Clark
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Golden Lake Ont., [,] Aug.1,1958 [,] W.R.Richards; Sweeping; CNC [,] 1188395; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G.G.E. Scudder [,] det 1996
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Finland, ONT. [,] 28. VI. 1960 [,] Kelton&Whitney; CNC [,] 1188392
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Dryden, ONT. [,] 12. VIII. 1960 [,] Kelton&Whitney; CNC [,] 1188393
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Fergus, ONT. [,] 24.VII.1962 [,] Kelton&Thorpe; CNC [,] 1188394
<i>Melanorhopala clavata</i> (Stål)	CNC	F	ONT, Lambton Co. [,] Pottowatamie I. [,] 29.vi.1985 [,] G.G.E. Scudder; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400381 [,] BOLD Proc ID: CNCHB020-11; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 1993
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Hespeler, ONT. [,] 25-28.VIII.61 [,] Kelton&Brumpton; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400382 [,] BOLD Proc ID: CNCHB021-11
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Lockeport, N.S [,] 1-VIII-1958 [,] J.R.Vockeroth; CNC [,] 1188396; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 1996
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Middleton, N.S. [,] 9.VIII.66 [,] L. A. Kelton; CNC [,] 1188397; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 1999
<i>Melanorhopala clavata</i> (Stål)	CNC	F	One Sided Lake, ONT. [,] July 19 -1960 [,] S. M. Clark; CNC [,] 1188398
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Cold Spring Harb [,] 27-VII-19 L. Id. NY [,] H. M. Parshley; <i>Melanorhopala</i> [,] <i>clavata</i> Stål ♀ [,] Det. H. M. Parshley : CNC [,] 1176676
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Peaks Is. Me. [,] G. A. Moore [,] 12-VIII-1934; CNC [,] 1176679; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 1996
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Peaks Is. Me. [,] G. A. Moore [,] 4-VIII-1931; 667; CNC [,] 1176677
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Willow Sp's [,] VI:23:12 Ill; Col. By [,] WJGerhard; Sweeping; CNC [,] 1176680; <i>Melanorhopala</i> [,] <i>clavata</i> 132
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Lafayette Co. [,] MISS. [,] F. M. Hull; Frank M. Hull [,] Collection [,] C. N. C. 1973; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400383 [,] BOLD Proc ID: CNCHB022-11
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Lafayette Co. [,] MISS. [,] F. M. Hull; Frank M. Hull [,] Collection [,] C. N. C. 1973
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Calgary, Alta. [,] 31 VII 58 [,] Carr Lot; 667 [,] J.F.B.; CNC [,] 1188351
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Calgary, Alta. [,] 31 VII 58 [,] Carr Lot; 667 [,] J.F.B.; CNC [,] 1188317
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Red Deer, Alta. [,] 5-VII-58 [,] Lot Carr; 667 [,] J.F.B.; CNC [,] 1188340
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Wainwright, Alta., [,] 27. VII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188337
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Black Foot Hills [,] Alta. 9-VIII-1940 [,] A. R. Brooks; CNC [,] 1188306
<i>Melanorhopala clavata</i> (Stål)	CNC	M	High Prairie, [,] Alta 17. 7 1961 [,] A. R. Brooks; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400378 [,] BOLD Proc ID: CNCHB017-11; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 1996
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 17. 7 1961 [,] A. R. Brooks; CNC [,] 1188360
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 17. 7 1961 [,] A. R. Brooks; CNC [,] 1188388
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 17. 7 1961 [,] A. R. Brooks; CNC [,] 1188370
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 17. 7 1961 [,] A. R. Brooks; CNC [,] 1188379

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188380
<i>Melanorhopala clavata</i> (Stål)	CNC	M	High Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188381
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188382
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188383
<i>Melanorhopala clavata</i> (Stål)	CNC	F	High Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188384
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Grande Prairie, [,] Alta 26 8 1961 [,] A. R. Brooks; CNC [,] 1188387
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Grande Prairie, [,] Alta 26 7 1961 [,] A. R. Brooks; CNC [,] 1188355
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Grande Prairie, [,] Alta 26 7 1961 [,] A. R. Brooks; CNC [,] 1188356
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Grande Prairie, [,] Alta 25 7 1961 [,] A. R. Brooks; CNC [,] 1188358
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Peace River, [,] Alta 18 VI 1961 [,] A. R. Brooks; CNC [,] 1188330
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Valleyview, [,] Alta 10 8 1961 [,] A. R. Brooks; CNC [,] 1188357
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Big River, Sask. [,] 5-VI 1959 [,] A. & J. Brooks.; CNC [,] 1188386
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Kenosee, Sask., [,] 19. VII. 1958 [,] A. & J. Brooks; CNC [,] 1188311
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Kenosee, Sask., [,] 19. VII. 1958 [,] A. & J. Brooks; CNC [,] 1188312
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Kenosee, Sask., [,] 19. VII. 1958 [,] A. & J. Brooks; CNC [,] 1188319
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Kenosee, Sask., [,] 19. VII. 1958 [,] A. & J. Brooks; CNC [,] 1188335
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Neilburg, Sask., [,] 24. VII. 1957 [,] A. R. & J. E. Brooks; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400379 [,] BOLD Proc ID: CNCHB018-11
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Neilburg, Sask., [,] 24. VII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188347
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Neilburg, Sask., [,] 24. VII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188348
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Neilburg, Sask., [,] 24. VII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188349
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Wood Mountain, [,] 5-VIII-55 Sask. [,] C. D. Miller; CNC [,] 1188359
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Christopher Lake [,] Sask. 11.VII.1959 [,] A. & J. Brooks; CNC [,] 1188318
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Christopher Lake [,] Sask. 11.VII.1959 [,] A. & J. Brooks; CNC [,] 1188322
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Christopher Lake [,] Sask. 11.VII.1959 [,] A. & J. Brooks; CNC [,] 1188325
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Christopher Lake [,] Sask. 11.VII.1959 [,] A. & J. Brooks; CNC [,] 1188362
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Christopher Lake [,] Sask. 11.VII.1959 [,] A. & J. Brooks; CNC [,] 1188385
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Attons Lake [,] Sask 22.VIII 1940 [,] A. R. Brooks; CNC [,] 1188353; <i>Melanorhopala</i> [,] <i>clavata</i> [,] G. G. E. Scudder [,] det 2001
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Madge Lake, Sask [,] 18.VIII.1958 [,] A. & J. Brooks; CNC [,] 1188313
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Prince Albert [,] Sask.23.VII.1959 [,] A. & J. Brooks; CNC [,] 1188363
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Prince Albert [,] Sask.23.VII.1959 [,] A. & J. Brooks; CNC [,] 1188374
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Rutland, Sask. [,] 31-VII-1940 [,] A. R. Brooks; CNC [,] 1188303
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Rutland, Sask. [,] 2-VIII-1940 [,] A. R. Brooks; CNC [,] 1188304

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Cypress Hills [,] Sask. 19. IX 1951 [,] A. R. Brooks; CNC [,] 1188309
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Melfort Sask. [,] 16 7. 1925 [,] Kenneth M. King; CNC [,] 1188301; <i>Melanorhopala</i> [,] <i>clavata</i> [,] det. G.S.W. Stål
<i>Melanorhopala clavata</i> (Stål)	CNC	?	Saskatoon, Sask. [,] July 26 1930 [,] Kenneth M. King ; 16446 [,] 330BSH; CNC [,] 1188336
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Dauphin, Man., [,] 17. VIII. 1958 [,] A. & J. Brooks; CNC [,] 1188316
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188314
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188320
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188323
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188339
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188361
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188364
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188368
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188376
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Horton, Man., [,] July 25 1955 [,] Brooks - Kelton; CNC [,] 1188391
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 11-VII-1958 [,] J. G. Chillcott; Floodplain [,] Community nr.[,] Tamarack Bog; CNC [,] 1188326
<i>Melanorhopala clavata</i> (Stål)	CNC	M	5 mi. SW. Shilo, Man. 11-VII-1958 [,] J. G. Chillcott; Floodplain [,] Community nr.[,] Tamarack Bog; CNC [,] 1188327
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 11-VII-1958 [,] J. G. Chillcott; Floodplain [,] Community nr.[,] Tamarack Bog; CNC [,] 1188343
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 11-VII-1958 [,] J. G. Chillcott; Floodplain [,] Community nr.[,] Tamarack Bog; CNC [,] 1188344
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 2-VIII-1958 [,] R. L. Hurley; Floodplain [,] Community nr.[,] Tamarack Bog; CNC [,] 1188342
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 2-VIII-1958 [,] R. B. Madge; Community nr.[,] Tamarack Bog; CNC [,] 1188352
<i>Melanorhopala clavata</i> (Stål)	CNC	F	5 mi. SW. Shilo, Man. 2-VIII-1958 [,] R. B. Madge; Tamarack [,] Bog Community; CNC [,] 1188338
<i>Melanorhopala clavata</i> (Stål)	CNC	?	5 mi. SW. Shilo, Man. 22-VII-1958 [,] J. G. Chillcott; CNC [,] 1188324
<i>Melanorhopala clavata</i> (Stål)	CNC	M	5 mi. SW. Shilo, Man. 22-VII-1958 [,] J. G. Chillcott; CNC [,] 1188329
<i>Melanorhopala clavata</i> (Stål)	CNC	M	5 mi. SW. Shilo, Man. 22-VII-1958 [,] J. G. Chillcott; CNC [,] 1188331
<i>Melanorhopala clavata</i> (Stål)	CNC	M	5 mi. SW. Shilo, Man. 22-VII-1958 [,] J. G. Chillcott; CNC [,] 1188334
<i>Melanorhopala clavata</i> (Stål)	CNC	M	5 mi. SW. Shilo, Man. 13-VIII-1958 [,] J. G. Chillcott; CNC [,] 1188369
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Viriden, Man., [,] July 8 1953 [,] Brooks - Kelton; CNC [,] 1188365
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Viriden, Man., [,] July 12 1953 [,] Brooks - Kelton; CNC [,] 1188333
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Viriden, Man., [,] July 12 1953 [,] Brooks - Kelton; CNC [,] 1188341
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Viriden, Man., [,] July 12 1953 [,] Brooks - Kelton; CNC [,] 1188389
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Viriden, Man., [,] July 13 1953 [,] Brooks - Kelton; CNC [,] 1188328
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Viriden, Man., [,] July 13 1953 [,] Brooks - Kelton; CNC [,] 1188354

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Virden, Man., [,] July 13 1953 [,] Brooks - Kelton; CNC [,] 1188371
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Virden, Man., [,] July 13 1953 [,] Brooks - Kelton; CNC [,] 1188372
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Virden, Man., [,] July 13 1953 [,] Brooks - Kelton; CNC [,] 1188373
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Virden, Man., [,] July 14 1953 [,] Brooks - Kelton; CNC [,] 1188367
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Virden, Man., [,] July 14 1953 [,] Brooks - Kelton; CNC [,] 1188377
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Virden, Man., [,] July 14 1953 [,] Brooks - Kelton; CNC [,] 1188390
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Turtle Mt., Man. [,] July 17 1953 [,] Brooks - Kelton; CNC [,] 1188305
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Turtle Mt., Man. [,] July 21 1953 [,] Brooks - Kelton; CNC [,] 1188307
<i>Melanorhopala clavata</i> (Stål)	CNC	M	Angusville [,] Man. 20.VII-1954 [,] Brooks-Wallis; CNC [,] 1188378
<i>Melanorhopala clavata</i> (Stål)	CNC	F	Pilot Mound, Man. [,] 31. VII. 1958 [,] A. & J. Brooks; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400380 [,] BOLD Proc ID: CNCHB019-11
<i>Melanorhopala clavata</i> (Stål)	CSUC	F	Pt. Pleasant [,] 26.VII.5 NJ; Det [,] T. Bueno; 1067; <i>Melanorhopala</i> [,] <i>clavata</i> [,] 667 Stal.
<i>Melanorhopala clavata</i> (Stål)	CSUC	F	571
<i>Melanorhopala clavata</i> (Stål)	CSUC	F	Willow Sp's [,] VI:23:12 Ill; Col. By [,] WJGerhard; Sweeping
<i>Melanorhopala clavata</i> (Stål)	CSUC	M	White Plains [,] 7.VIII.10 N.Y.; Det [,] T. Bueno
<i>Melanorhopala clavata</i> (Stål)	CUIC	F	Pt. Pleasant [,] 26-VII-5 NJ; <i>Melanorhopala</i> [,] <i>clavata</i> [,] O. H. Stål ; <i>Melanorhopala</i> [,] <i>clavata</i> [,] Stål [,] H. G. Barber
<i>Melanorhopala clavata</i> (Stål)	CUIC	M	Westfield [,] 2-VII-4 NJ; <i>Melanorhopala</i> [,] <i>clavata</i> [,] Stål [,] det. C.J.Drake
<i>Melanorhopala clavata</i> (Stål)	CUIC	M	Westfield [,] n. j. VII-4; <i>Melanorhopala</i> [,] <i>lurida</i> [,] Stal; <i>Melanorhopala</i> [,] <i>clavata</i> [,] Drake Stål
<i>Melanorhopala clavata</i> (Stål)	EMEC	F	Manitoba [,] Brandon; EPVan Duzee [,] Collection; Tingis [,] <i>clavata</i> [,] O. H. Stal; EMEC [,] 1252436
<i>Melanorhopala clavata</i> (Stål)	EMEC	M	Ks.; EPVan Duzee [,] Collection; <i>Melanorhopala</i> [,] <i>lurida</i> Stal; EMEC [,] 1252435
<i>Melanorhopala clavata</i> (Stål)	EMEC	M	Osage Ks. [,] 6/9/99.; EPVan Duzee [,] Collection; EMEC [,] 1252437
<i>Melanorhopala clavata</i> (Stål)	EMEC	F	Portland, [,] Me. 7.9.09 [,] Van Duzee; EPVan Duzee [,] Collection; EPVan Duzee [,] Collection; EMEC [,] 1252438; <i>Melanorhopala</i> [,] <i>clavata</i> [,] Stål [,] Det. R. L. Usinger
<i>Melanorhopala clavata</i> (Stål)	INHS	F	N. Ill.; ANDREAS [,] BOLTER [,] COLLECTION; <i>clavata</i> [,] 1067. Stal; Genus [,] Tingis [,] Fabr.; INHS [,] Insect Collection [,] 771,256
<i>Melanorhopala clavata</i> (Stål)	INHS	F	N. Ill.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,201
<i>Melanorhopala clavata</i> (Stål)	INHS	F	N. Ill.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,202
<i>Melanorhopala clavata</i> (Stål)	INHS	F	N. Ill.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,202
<i>Melanorhopala clavata</i> (Stål)	INHS	F	Nantucket [,] Isl. Mass.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,255
<i>Melanorhopala clavata</i> (Stål)	INHS	F	Oak Lawn, Ill. [,] July 27, 1934 [,] DeLong & Ross [,] Sand praire; INHS [,] Insect Collection [,] 768,129
<i>Melanorhopala clavata</i> (Stål)	INHS	F	Ill. Elgin [,] 10-VIII-1945, H. H. [,] Ross, W.W. Sanderson; INHS [,] Insect Collection [,] 771,399
<i>Melanorhopala clavata</i> (Stål)	INHS	F	Iowa, Guthrie Co. [,] Sheedar Prairie [,] July 11, 1970 [,] T. G. L. J. & E.R. Marsh; T. Marsh [,] Collection; INHS [,] Insect Collection [,] 771,419
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Ames, IOWA[,] june 26 1967 ; Collector: [,] Linda Brown
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	5 mis. Se. Pequot [,] Lakes, Crow Wing [,] Co. Minn. July 6 [,] 1957 J. L. Laffoon

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Iowa Lakeside Lab. [,] Dickinson Co., Iowa [,] Aug 4, 1959; XVII [,] 9 Tingidae; Melanorgopala
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Lakin Slough, nw 1/4 [,] Sec. 35, T81N, R30W [,] Guthrie Co., IOWA [,] VII-19-1960 J Laffoon
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Lakin Slough, nw 1/4 [,] Sec. 35, T81N, R30W [,] Guthrie Co., IOWA [,] VII-19-1960 J Laffoon
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Lakin Slough, nw 1/4 [,] Sec. 35, T81N, R30W [,] Guthrie Co., IOWA [,] VII-19-1960 J Laffoon
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Ames, Iowa[,] July 8 1925 [,] GH; Melanorhopala [,] clavata [,] C. J. Drake Stål
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Ames, Iowa[,] July 28 1925 [,] GH
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	Ames, Iowa[,] July 31 1925 [,] GH; Melanorhopala [,] clavata [,] C. J. Drake Stål
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	Ames, Iowa[,] June 8 1925 [,] GH
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Ames, Iowa[,] June 8 1925 [,] GH
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Exp. Sta. [,] jy 7 97 [,] Ames, Ia; Melanorhopala [,] clavata [,] Stål
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Exp. Sta. [,] jy 7 97 [,] Ames, Ia
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	Exp. Sta. [,] jy 7 97 [,] Ames, Ia
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Exp. Sta. [,] 6 12 97 [,] Ames, Ia
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	Exp. Sta. [,] 6 12 97 [,] Ames, Ia
<i>Melanorhopala clavata</i> (Stål)	ISIC	M	Ames [,] Ia 7 9 96 ; Exp Sta
<i>Melanorhopala clavata</i> (Stål)	ISIC	F	Beach Bluff, [,] 18 July '14 Mass [,] H M Parshley; Collection of [,] H M Parshley; Melanorhopala [,] clavata [,] Stål
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA, MANITOBA [,] Sandilands Prov. [,] Forest. 2KM SE [,] Brokenhead River, [,] HWY 1. 17.viii.96 [,] Coll. T. McKay; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056631
<i>Melanorhopala clavata</i> (Stål)	JBWM	M	CANADA: MB: Winnipeg [,] St. Charles Rifle Range, [,] (49°54'30"N 97°20'30"W) [,] Yellow pan traps on tallgrass; prairie + FIT [,] 23-30.viii.2000 [,] R. E. Roughley coll.; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0092622
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA. MB Winnipeg [,] St. Charles Rifle Range, [,] Vi-11 2001 [,] J.M Le Gal Colls. ; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0138449
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] A Refuge 1998 5-VIII [,] Sweep. D. A. Pollock, J.K. [,] Diehl & R.E.Roughley colls. ; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056744
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] D Control 1998 24-VII [,] Sweep. D. A. Pollock, J.K. [,] Diehl & R.E.Roughley colls. ; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056745
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	Canada, MB, Winnipeg [,] St. Charles Rifle Rge. [,] Block D - Refuge [,] 11. VII. 1997 [,] Sweep Net; DND tallgrass prairie [,] voucher specimen [,] D. A. Pollock and R. E. [,] Roughley. collectors; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056746
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] D Fall 15.VIII.97 [,] Sweep. D. A. Pollock, J.K. [,] Diehl & R.E.Roughley colls. ; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056747
<i>Melanorhopala clavata</i> (Stål)	JBWM	M	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] A spring 16-23.VI.1999 [,] Pitfall trap: D. Pollock, J.K. [,] Diehl & R.E.Roughley colls. ; det. [,] R. E. Roughley; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0093000
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	Canada, MB, Winnipeg [,] St. Charles Rifle Rge. [,] Block B - Summer [,] 16. vii. 1997 [,] Sweep ; DND tallgrass prairie [,] voucher specimen [,] D. A. Pollock and R. E. [,] Roughley. collectors; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056664

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	JBWM	M	Canada, MB, Winnipeg [,] St. Charles Rifle Rge. [,] Block B - Summer [,] 16. vii. 1997 [,] Sweep ; DND tallgrass prairie [,] voucher specimen [,] D. A. Pollock and R. E. [,] Roughley. collectors; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056665
<i>Melanorhopala clavata</i> (Stål)	JBWM	F	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] (49°54'30"N 97°20'30"W) [,] Yellow pan traps on tall- [,] grass prairie. 19-26.vii. [,] 2000. R. E. Roughley coll; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056743
<i>Melanorhopala clavata</i> (Stål)	JBWM	M	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] (49°54'30"N 97°20'30"W) [,] Yellow pan traps on tall- [,] grass prairie. 19-26.vii. [,] 2000. R. E. Roughley coll; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056751
<i>Melanorhopala clavata</i> (Stål)	JBWM	M	CANADA. MB. Winnipeg [,] St. Charles Rifle Range, [,] (49°54'30"N 97°20'30"W) [,] Yellow pan traps on tall- [,] grass prairie. 19-26.vii. [,] 2000. R. E. Roughley coll; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056752
<i>Melanorhopala clavata</i> (Stål)	KSUC	F	KANSAS [,] Osage Co. [,] 2 JUL 1979; Coll. [,] G. Lippert
<i>Melanorhopala clavata</i> (Stål)	LSAM	M	Jewell, Iowa [,] July 10, 1926 [,] H. M. Harris, Co; LSAM [,] 0297613
<i>Melanorhopala clavata</i> (Stål)	LSAM	M	Peaks Is., Me [,] G. A. Moore [,] 11-VII-38; LSAM [,] 0297604; <i>Melanorhopala</i> [,] <i>clavata</i> [,] H. Stål
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Aims, Iowa [,] VI-24 1930 [,] Helen D. Agnew; LSAM [,] 0297605
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Aims, Iowa [,] Aug. 14, 1925 [,] H. M. Harris; LSAM [,] 0297606
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297607
<i>Melanorhopala clavata</i> (Stål)	LSAM	M	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297608
<i>Melanorhopala clavata</i> (Stål)	LSAM	M	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297609
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297610
<i>Melanorhopala clavata</i> (Stål)	LSAM	M	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297611
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Aims, Iowa [,] June 5 1926 [,] H. M. Harris; LSAM [,] 0297612
<i>Melanorhopala clavata</i> (Stål)	LSAM	F	Rensselaerville [,] New York; Kendeigh [,] #1:7/8/44; LSAM [,] 0297614
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	2 mi. N Rosati, MO [,] Crawford Co. [,] 6-19-80 [,] Coll. Bob Blinn; NCSU 0029356; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det B. Blinn
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	2 mi. N Rosati, MO [,] Crawford Co. [,] 6-19-80 [,] Coll. Bob Blinn; NCSU 0029357
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	2 mi. N Rosati, MO [,] Crawford Co. [,] 6-19-80 [,] Coll. Bob Blinn; NCSU 0029358
<i>Melanorhopala clavata</i> (Stål)	NCSU	M	2 mi. N Rosati, MO [,] Crawford Co. [,] 6-19-80 [,] Coll. Bob Blinn; NCSU 0029360
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	MO: Benton Co. [,] Jct, Hwy. 65 & 52 [,] 6-7, 1980 [,] Coll. R. L. Blinn; NCSU 0029361
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	Mo: Vernon Co. [,] Gay Feather Prairie [,] Vi-7, 1980 [,] Coll. R. L. Blinn; NCSU 0029345
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	Missouri: Callaway Co. [,] Tucker Prairie [,] VI-17-81 [,] Coll. B. Blinn; NCSU 0029340
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	Missouri: Callaway Co. [,] Tucker Prairie [,] VI-17-81 [,] Coll. B. Blinn; NCSU 0029341
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	MO: Vernon Co. [,] Osage Prairie [,] VI-4-83 [,] Coll. R. L. Blinn; Sweeping [,] Prairie; NCSU 0029351
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	MO: Monroe Co. [,] Mark Twain St. Pk. [,] June 14, 1984 [,] Coll. R. L. Blinn; NCSU 0029352
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	MO: Monroe Co. [,] Mark Twain St. Pk. [,] June 14, 1984 [,] Coll. R. L. Blinn; NCSU 0029353
<i>Melanorhopala clavata</i> (Stål)	NCSU	M	MO: Monroe Co. [,] Mark Twain St. Pk. [,] June 14, 1984 [,] Coll. R. L. Blinn; NCSU 0029354

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	NCSU	M	MO: Monroe Co. [,] Mark Twain St. Pk. [,] June 14, 1984 [,] Coll. R. L. Blinn; NCSU 0029355
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	Westfield [,] 16.VII.4 NJ; NCSU [,] ex NCDA&CS [,] 2000; NCSU 0029347
<i>Melanorhopala clavata</i> (Stål)	NCSU	F	46274; Essex Co. N. Y. [,] June 29 1965 [,] Tom Daggy
<i>Melanorhopala clavata</i> (Stål)	NDSIRC	F	USA: MN : Becker Co. [,] Hamden Slough [,] 09-viii-2008 [,] Coll. J. Hochhalter [,] Permit: 32586-08-029
<i>Melanorhopala clavata</i> (Stål)	NDSIRC	F	USA: MN: Clay Co. [,] 4mi E, 1mi S Glyndon [,] 46°51.34'N 96°27.01'W [,] Tset BLU NM123 nm1 [,] 25-vii-2001 PB Beauzay [,] Sweep on wet prairie
<i>Melanorhopala clavata</i> (Stål)	NDSIRC	M	USA: MN: Clay Co. [,] 4mi E, 1mi S Glyndon [,] 46°51.34'N 96°27.01'W [,] Tset BLU NM123 nm1 [,] 25-vii-2001 PB Beauzay [,] Sweep on wet prairie
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Marion Co O [,] Saltrick TP [,] July 4 1936 [,] Edw. S. Thomas; Melanorhopala [,] clavata [,] Harris Stal; Proptery of [,] OHIO HIST. [,] SOCIETY; OSUC 777384
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	LucasCo O. [,] OakOpening [,] July201935; J. C. Hambleton, [,] Coll.; Melanorhopala [,] clavata [,] Stål [,] H. G. Barber; OSUC 777385
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Lincoln Co. [,] 7.27.62 Me.; Melanorhopala [,] clavata Stal [,] det. by R. D. [,] Sheeley 1973; OSUC 777386
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Licking Co. [,] O. VI-30-34; Mary Auten [,] Coll.; Melanorhopala [,] clavata [,] Stål [,] Det. J. C. Lutz; OSUC 777387
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Pt. Pleasant [,] 26-VII-5 NJ; Herbert [,] Osborn [,] Collection; Melanorhopala [,] clavata [,] Stål ; OSUC 777388
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Pt. Pleasant [,] 26-VII-5 NJ; Herbert [,] Osborn [,] Collection; OSUC 777389
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Westfield [,] 4.VII.4 NJ; Herbert [,] Osborn [,] Collection; OSUC 777390
<i>Melanorhopala clavata</i> (Stål)	OSUC	F	Fargo [,] ND; HOsborn [,] Collector; Herbert [,] Osborn [,] Collection; OSUC 777391
<i>Melanorhopala clavata</i> (Stål)	OSUC	M	E. B. SOUTHWICK; Herbert [,] Osborn [,] Collection; M [,] lurida [,] Stal; OSUC 777392
<i>Melanorhopala clavata</i> (Stål)	OSUC	M	FROM [,] COLLECTION OF [,] E. B. SOUTHWICK; NEW YORK, N. Y. [,] 6 20 1893 [,] E. B. SOUTHWICK; Herbert [,] Osborn [,] Collection; OSUC 777393
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 6-30-28; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 8-14-23; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	M	KosciuskoCo. [,] IndJun231935 [,] Geo.E.Gould
<i>Melanorhopala clavata</i> (Stål)	PERC	M	Marion Co., [,] Ind. W. S. B. [,] 6-5-23; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	M	Palos Park [,] VII:4:18 Ill; Col. By [,] W J Gerhard; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Palos Park [,] VII:4:18 Ill; Col. By [,] W J Gerhard; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 7-14-21; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 6-3-22; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 6-19-26; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Marion Co., [,] Ind. W. S. B. [,] 6-9-23; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	Westfield [,] N.J. VII-9; 667; Wm. T. Davis [,] Collection; Perdue [,] Blatchley [,] collection
<i>Melanorhopala clavata</i> (Stål)	PERC	F	USA: Wisconsin [,] Dane Co. 9 Jul 1977 [,] L. Kegonsa St. Park. [,] Coll. RWMeyer; Melanorhopala [,] clavata Stal
<i>Melanorhopala clavata</i> (Stål)	PERC	F	IN: Lawrence Co. (057C) [,] nr. Mooreston [,] VI-30-1994 [,] J. Parslow, M. Callahan; Melanoshopala [,] clavata Stal [,] det; A. V. Provonsha, 2000
<i>Melanorhopala clavata</i> (Stål)	PERC	F	IN: Orange Co. (040C) [,] Felknor Hollow [,] VII-6-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PERC	M	IN: Harrison Co. 9112A0 [,] Harrison-Crafor St. For. [,] Fox Hollow trail [,] VI-I-1994 [,] J. Parslow, M. Callahan

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	PERC	M	IN: Lawrence Co. 0070C) [,] Collie Corners VII-5-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PERC	M	IN: Lawrence Co. 9074A) [,] nr. Huron VI-6-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PERC	F	IN: Lawrence Co. (058B) [,] Mooreston Trail [,] VI-22-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PERC	F	IN: Lawrence Co. (057B) [,] nr. Mooreston [,] VI-22-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PERC	F	IN: Lawrence Co. (057B) [,] nr. Mooreston [,] VI-22-1994 [,] J. Parslow, M. Callahan
<i>Melanorhopala clavata</i> (Stål)	PSUC	F	Manada Gap [,] VII-6-33 Pa ; J. N. Knull [,] Coll.; Melanorhopala [,] clavata [,] JDR (Stål)
<i>Melanorhopala clavata</i> (Stål)	PSUC	F	Manada Gap [,] VII-6-33 Pa ; J. N. Knull [,] Coll.
<i>Melanorhopala clavata</i> (Stål)	PSUC	M	Pa. Sta. Col. [,] Lab. Bustleton [,] June 7, 1922 ; Sweeping [,] weeds
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	Conyngham [,] 6.VI.25 Pa; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Melanorhopala clavata</i> (Stål)	SEMC	M	Miami Co. Kans. [,] V-27-1951 [,] Robert Beer
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	Cheboygan Co., [,] Mich. 8-4 '47 [,] Carolyn Trump
<i>Melanorhopala clavata</i> (Stål)	SEMC	M	Cheboygan Co., [,] Mich. VII-17 1950 [,] H. B. Hungerford
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	L. Waccabuc, N.Y. [,] 13 July 1931 [,] JRTB Collr. ; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Melanorhopala clavata</i> (Stål)	SEMC	M	Lake Buel [,] Hartville [,] 12.VII.36 Mass [,] JRTB Collr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	Tokio N Dak [,] 7-28-37 [,] R H Beamer
<i>Melanorhopala clavata</i> (Stål)	SEMC	M	Tokio N Dak [,] 7-28-37 [,] R H Beamer
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	Willamantic [,] CONN. [,] VI-22-1964 [,] C. W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	KANSAS, 5 mn. NE [,] Lawrence, Douglas [,] Co., June 7, 1971; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	Westfield [,] 30. VII.4 NJ; 90
<i>Melanorhopala clavata</i> (Stål)	SEMC	F	White Plains [,] 28.VII.08 N. Y.
<i>Melanorhopala clavata</i> (Stål)	UAIC	M	Exp. Sta. [,] 6 12 97 [,] Ames, Ia; E. D. Ball
<i>Melanorhopala clavata</i> (Stål)	UAIC	F	Exp. Sta. [,] 6 12 97 [,] Ames, Ia; E. D. Ball
<i>Melanorhopala clavata</i> (Stål)	UAIC	M	Aims [,] Ia 71698.. ; Exp Sta
<i>Melanorhopala clavata</i> (Stål)	UAIC	F	Exp. Sta. [,] Jy 7 97 [,] Ames, Ia; Melanorhopala [,] clavata [,] Stal
<i>Melanorhopala clavata</i> (Stål)	UAIC	M	Exp. Sta. [,] 7-7 97 [,] Ames, Ia
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Storrs, Conn. [,] VI-29-1964; Melanorhopala [,] clavata (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	CONN: Litchfield Co. [,] Kent, Iron Mt., [,] July 27, 1975 [,] D. Calabrese, V. Picchi
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	CONN.: E. Killingly [,] Chase Res. [,] VII-3-1971 [,] Luba Malt; Melanorhopala [,] clavata (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	CONN.: E. Killingly [,] Chase Res. [,] VII-3-1971 [,] Luba Malt; Melanorhopala [,] clavata (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	E. Killingly [,] Chase Res. [,] VI-28-1971 [,] Luba Malt; Melanorhopala [,] clavata (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	MF	So. Meriden, Conn. [,] 6-24-1938 [,] Harry L. Johnson; Melanorho [,] pala clavata [,] (Stal) [,] det. J. E. O'Donnel [,] 1981

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Barn Is., Stonington [,] Conn. Vi024-1970; F. P. Mahoney [,] Collector; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Hall meadow st pk [,] Torrington, CT [,] VIII-4-1970 [,] F.P.Maroney; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Chatfield St PK. [,] Killingworth, Ct. [,] VII-13-197 [,] F. P. Maroney; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Cambell Falls StPk. [,] West Norfolk Ct. [,] VIII-6-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	2 mi. S.S.E [,] Wequetequock, Ct. [,] VI-22-1970 W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	2 mi. S.S.E [,] Wequetequock, Ct. [,] VI-22-1970 W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Orange. Ct. [Enter] VII-2-1970 [,] W. Ford; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	?	Great Swamp [,] Chatham, Tp., N. J. [,] VII-16-1944 [,] J. & W. Rapp; J. A. Slater [,] Collection; <i>Melanorhopala</i> [,] <i>clavata</i> Stal [,] det. J. A. Slater 1954
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	CT: Tolland Co, Storrs, [,] Fenton River Meadow [,] 7 September, 2008 [,] Rachel E. Krauss coll.; <i>Melanorhopala</i> [,] <i>clavata</i>
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Ct: Tolland Co. [,] Storrs [,] 15 July 1984 [,] K. A. Yagaloff; Tingidae [,] Det; Yagalof [,] 1981
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Storrs, Conn. [,] VI-29-1964; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	F	Storrs, Conn. [,] VI-29-1964; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Storrs, Conn. [,] VI-29-1964; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Storrs, Conn. [,] VI-29-1964; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Storrs, Conn. [,] VI-29-1964; <i>Melanorhopala</i> [,] <i>clavata</i> (Stal) [,] det. J. A. Slater 1983
<i>Melanorhopala clavata</i> (Stål)	UCMS	M	Storrs, Conn. [,] VI-29-1964
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	MO: Pettis Co. [,] Friendly Prairie [,] VI - 27 - 1984 [,] Coll. R. L. Blinn

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	MO: Pettis Co. [,] Friendly Prairie [,] VI - 27 - 1984 [,] Coll. R. L. Blinn
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	MO: Pettis Co. [,] Drover's Prairie [,] VI - 13 - 1984 [,] Coll. R. L. Blinn
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	Benton Co., Mo. [,] Jct. hwy 65&52; VI [,] 7-1980; E. G. Riley [,] Sweep. Prairie
<i>Melanorhopala clavata</i> (Stål)	UMRM	M	MISSOURI: Harrison Co. [,] Old Catholic Cemetary [,] 25 June 1994 [,] coll: D. G. LeDoux
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	MO: Callaway Co. [,] Tucker Prairie [,] 6 May, 1980 [,] Coll. E. G. Riley
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	Missouri: Callaway Co. [,] Tucker Prairie [,] VI-17-81. [,] Coll. B. Blinn
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	Missouri: Callaway Co. [,] Tucker Prairie [,] VI-17-81. [,] Coll. B. Blinn
<i>Melanorhopala clavata</i> (Stål)	UMRM	F	AdairCoMo [,] III-79 [,] Pittrap
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Minn.; <i>Melanorhopala</i> [,] clavata[,] var. <i>lurida</i> [,] Stål
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Itasca State Park, Minn. [,] Hanser, D.C. N.E. [,] of old cabin by [,] beach [,] June 19 1969; <i>Melanorhopala</i> [,] clavata; Tingidae
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Itasca State Park, Minn. [,] Hanser, D.C. N.E. [,] of old cabin by [,] beach [,] July 12 1969; <i>Melanorhopala</i> [,] clavata
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	col. C. Satyshur Plot 71 [,] 47.6316941395892° N [,] -96.2996799649453° W [,] Polk Co, MN; NW CRP3.71 [,] tr. 9 sweepnet [,] 13 Aug 2011; Wildlife & Biofuels [,] Lehman/Moon/Satyshur
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	Madison, Minn. [,] June 25, 1921. [,] H. H. Knight; Det.H.H.Knight [Eter] 1923 [,] <i>Melanorhopala</i> [,] clavata Stal
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	45; Big Stone Co. Minn. [,] O. W. Oestlund; O. W. Oestlund [,] Collection [,] Dept. of Zoology; <i>Melanorhopala</i> [,] <i>lurida</i> [,] Stål [,] Determ'd by R. F. Hussey
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	45; Big Stone Co. Minn. [,] O. W. Oestlund; O. W. Oestlund [,] Collection [,] Dept. of Zoology; <i>Melanorhopala</i> [,] clavata [,] Stål [,] Determ'd by R. F. Hussey
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	U.S.A., MINNESOTA [,] Isanti County CCNW [,] Cedar Creek Natural [,] History Area [,] 13 July 1991; <i>Melanorhopala</i> [,] clavata
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	U.S.A., MINNESOTA [,] Isanti County CCSW [,] Cedar Creek Natural [,] History Area [,] 16 June 1989; <i>Melanorhopala</i> [,] clavata
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	U.S.A., MINNESOTA [,] Anoka County SWsW [,] Cedar Creek Natural [,] History Area [,] 30 July 1990
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	USA MN Isanti Co. [,] Cedar Creek NHA [,] CNW 32-35 tr 11 [,] 940705 expt 124 <i>Melanorhopala</i> [,] clavata [,] 14.016.001
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	USA Minnesota [,] Anoka Co. 239 [,] Cedar Creek NHA [,] BDG 22Jun98
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Pennington Co., Minn [,] Sept. 5 1936 ; D. G. Denning [,] Collector
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	Kittson Co. Minn. [,] Aug. 10 1936; D. G. Denning
<i>Melanorhopala clavata</i> (Stål)	UMSP	M	Polk Co. Minn. [,] July 2 1936; D. G. Denning [,] Collector
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Neb.; <i>Melanorhopala</i> [,] clavata [,] var <i>lurida</i> [,] det. Drake Stå 1
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	Neb.
<i>Melanorhopala clavata</i> (Stål)	UMSP	F	The Pas, Manitoba [,] Aug. 11, 1937 [,] D. G. Denning; <i>Melanorhopala</i> [,] clavata [,] det Stal [,] HGBarber 667
<i>Melanorhopala clavata</i> (Stål)	USNM	0	
<i>Melanorhopala clavata</i> (Stål)	USNM	F	Fargo [,] ND; HOsborn [,] Collector; Webster [,] N 3028
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	WI: Dane Co. [,] Gov Nelson State Park Area [,] 43°08.24'N/89°26.36'W [,] 29 July 2003 [,] Ruth E. Kearley; Transect C. sweep sample
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	U.W. Arboretum [,] July 4 1966 [,] J.T.Medler Col.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	Dane Co. Madison, W, [,] Arb Low Prairie [,] J. Zimmerman [,] 5-II-66
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	WISCONSIN: Sauk Co. [,] Leopold Reserve [,] 4-VIII-1987 [,] Lisa F. Goodman; DRABA [,] PRAIRIE; <i>Melanorhopala</i> sp. [,] det L.F. Goodman 1989; <i>Melanorhopala clavata</i>
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	WI: La Crosse Co. [,] Midway Prairie U:N [,] T17N/R7W/sec29 [,] 04 August 1999 [,] Study 053 SNA 018; Sweep Net [,] Mesic Hill Prairie; <i>Melanorhopala</i> [,] clavata (Stal) [,] det. AH Williams [,] 2002; hel6729
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	WI: Dane Co. [,] Gov Nelson State Park Area [,] 43°08'.24'N/89°26.38'W [,] 16 July 2003 [,] Ruth E. Kearley; Transect A. sweep sample
<i>Melanorhopala clavata</i> (Stål)	WIRC	F	WISCONSIN: Oconto Co. [,] Suring; Private land [,] 3 mi W. Suring [,] 21-VII-1993 [,] Robert L. Otto; Swept in tall [,] grass at [,] forest edge
<i>Melanorhopala</i> n. sp.	BYUC	F	WYOMING, Niobara Co. [,] Petz Rd., 2 mi. W. Hwy 85, [,] 42.8805°N, 104.4466°W, elev. 1495 m. 7 July 2015, [,] S. M. Clark & A. J. Gilbert; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC123521
<i>Melanorhopala</i> n. sp.	BYUC	M	WYOMING, Niobara Co. [,] Petz Rd., 2 mi. W. Hwy 85, [,] 42.8805°N, 104.4466°W, elev. 1495 m. 7 July 2015, [,] S. M. Clark & A. J. Gilbert; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC122922
<i>Melanorhopala</i> n. sp.	BYUC	F	WYOMING, Niobara Co. [,] Petz Rd., 2 mi. W. Hwy 85, [,] 42.8805°N, 104.4466°W, elev. 1495 m. 7 July 2015, [,] S. M. Clark & A. J. Gilbert; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC123531
<i>Melanorhopala</i> n. sp.	BYUC	F	WYOMING, Niobara Co. [,] Petz Rd., 2 mi. W. Hwy 85, [,] 42.8805°N, 104.4466°W, elev. 1495 m. 7 July 2015, [,] S. M. Clark & A. J. Gilbert; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC122936
<i>Melanorhopala</i> n. sp.	BYUC	F	USA, Utah, Utah Co., [,] Thistle, 39.9945°N. [,] 111.4954°W. el. 1540 m. [,] 4 June 2015, S. M. Clark [,] & A. R. Myrup; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC111353
<i>Melanorhopala</i> n. sp.	BYUC	F	UTAH, Utah Co., [,] Diamond Fork Canyon, near [,] jct. Spanish Fork Canyon, [,] 40°01.8'N. 111°30.2'W, [,] 5-VII-2008, S. M. Clark
<i>Melanorhopala</i> n. sp.	BYUC	M	UTAH, Utah Co., [,] Diamond Fork Canyon, near [,] jct. Spanish Fork Canyon, [,] 40°01.8'N. 111°30.2'W, [,] 5-VII-2008, S. M. Clark
<i>Melanorhopala</i> n. sp.	BYUC	F	UTAH, Wasatch Co., [,] Jordanelle Wetlands, [,] 40°34.7'N. 111°25.8'W, [,] elev. 5830 ft [,] 21-VI-2013, S. M. Clark
<i>Melanorhopala</i> n. sp.	BYUC	F	UTAH. Utah Co. [,] Goshen Ponds, [,] 5 July 1984, [,] M. F. Whiting
<i>Melanorhopala</i> n. sp.	CMNH	F	NEV. Elko, [,] Elko Co. 5200' [,] VIII-20-1963; C. W. O'Brian [,] Collector
<i>Melanorhopala</i> n. sp.	CMNH	F	NEV. Elko, [,] Elko Co. 5200' [,] VIII-20-1963; C. W. O'Brian [,] Collector
<i>Melanorhopala</i> n. sp.	CNC	F	Medicine Hat, [,] Alta. 23.VII 1930 [,] J. H. Pepper; CNC [,] 1188302
<i>Melanorhopala</i> n. sp.	CNC	F	Drumheller, Alta., [,] 11. VIII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188300; <i>Melanorhopala</i> [,] clavata [,] G. G. E. Scudder [,] det 1996; <i>Melanorhopala</i> [,] clavata [,] Stal
<i>Melanorhopala</i> n. sp.	CNC	M	Drumheller, Alta., [,] 11. VIII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188315
<i>Melanorhopala</i> n. sp.	CNC	F	Drumheller, Alta., [,] 11. VIII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188345
<i>Melanorhopala</i> n. sp.	CNC	F	Drumheller, Alta., [,] 11. VIII. 1957 [,] A. R. & J. E. Brooks; CNC [,] 1188346
<i>Melanorhopala</i> n. sp.	CNC	F	Calgary Alberta [,] Aug 12 1943 [,] E. J. Kieley; CNC [,] 1188350
<i>Melanorhopala</i> n. sp.	CNC	F	Poncha Springs, COLO. [,] 7mi. N. 7500' 22-VI [,] J. R. Stainer 1961; CNC [,] 1188399; <i>Melanorhopala</i> [,] clavata [,] G. G. E. Scudder [,] det 1996
<i>Melanorhopala</i> n. sp.	CSUC	F	CO: Larimer Co. [,] Maxwell Ranch; CSU [,] Transect 8; Sweep Net [,] N 40.93838 W 105.26332 [,] 22 July 2009 [,] Coll. S. McCollum
<i>Melanorhopala</i> n. sp.	CSUC	F	Weston Co., WY [,] 28 June 2017 [,] Ian Pearse [,] Thunder Basin NG [,] 28499341, 4824722
<i>Melanorhopala</i> n. sp.	EMEC	F	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	M	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala</i> n. sp.	EMEC	M	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	F	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	F	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	M	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	F	Mesa Verde [,] Nat'l. Pk. Colo. [,] VII 14 30; R. L. Usinger [,] Collector
<i>Melanorhopala</i> n. sp.	EMEC	F	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; M. Clavata [,] cajonensis N.Ssp; EMEC [,] 1252444
<i>Melanorhopala</i> n. sp.	EMEC	F	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; EMEC [,] 1252442
<i>Melanorhopala</i> n. sp.	EMEC	F	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; EMEC [,] 1252440
<i>Melanorhopala</i> n. sp.	EMEC	F	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; EMEC [,] 1252439
<i>Melanorhopala</i> n. sp.	EMEC	F	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; EMEC [,] 1252443
<i>Melanorhopala</i> n. sp.	EMEC	0	Cajon Can., Calif. [,] San Bernardino co. [,] Aug 6 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector; PARATYPE; EMEC [,] 1252445
<i>Melanorhopala</i> n. sp.	EMEC	F	Kernville or [,] Hualah, Ca [,] v-6-1931; ATMClay [,] Coll.; UC Berkeley [,] EMEC [,] 1252447
<i>Melanorhopala</i> n. sp.	EMEC	F	Soboba Spgs. Cal. [,] Riverside Co. [,] June 3 1917; EPVan Duzee; UC Berkeley [,] EMEC [,] 1252446
<i>Melanorhopala</i> n. sp.	ISIC	M	Verde Nat'l [,] olo. 8/14/25 [,] . Drake
<i>Melanorhopala</i> n. sp.	ISIC	F	Mesa Verde Nat'l [,] Pk. Colo. 8/14/25 [,] C. J. Drake
<i>Melanorhopala</i> n. sp.	JBWM	M	Willow Bunch [,] Sask 27.7, 1955 [,] A. R. Brooks; <i>Melanorhopala</i> [,] clavata [,] Stal [,] Det. [,] A. R. Brooks ; J. B. Wallis Mus.-Ent. [,] Univ. Manitoba. Wpg [,] MB. Canada R3T 2N2 [,] 0056583
<i>Melanorhopala</i> n. sp.	JBWM	F	Wood Mountain, [,] Sask. 5-8 1955 [,] A. R. Brooks
<i>Melanorhopala</i> n. sp.	LSAM	F	Buffalo. S. Dak [,] June,28,1947 [,] H. C. Severin.; LSAM [,] 0297615
<i>Melanorhopala</i> n. sp.	LSAM	F	Lantry. S. Dak [,] June,28,1947 [,] H. C. Severin.; LSAM [,] 0297616
<i>Melanorhopala</i> n. sp.	LSAM	F	Lantry. S. Dak [,] June,28,1947 [,] H. C. Severin.; LSAM [,] 0297617
<i>Melanorhopala</i> n. sp.	LSAM	M	Fox Ridge. S. Dak [,] June,28,1947 [,] H. C. Severin. Coll.; LSAM [,] 0297618
<i>Melanorhopala</i> n. sp.	LSAM	M	Cedar Canyon. S. Dak [,] June,27,1947 [,] H. C. Severin. Coll.; LSAM [,] 0297619
<i>Melanorhopala</i> n. sp.	NDSIRC	F	Billings Co.. ND [,] 140-02-10-400 [,] REAP No. 366; 23 VII 1977; Coll. J. Smith [,] and L. Schutz
<i>Melanorhopala</i> n. sp.	PERC	M	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	PERC	M	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	PERC	M	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	PERC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	PERC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] August 6 1955; 5.8 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 4000 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	M	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elev. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Melanorhopala</i> n. sp.	UAIC	M	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UAIC	F	San Gabriel Mts. [,] San Bernardino co. [,] August 6, 1955; 2.8 mi SW [,] Mt. Top Jct. [,] Elv. 5200 ft.; Chyrsothamnus [,] nangeosns; Chas. [,] Collector
<i>Melanorhopala</i> n. sp.	UIDC	F	Craters of the [,] MoonNat Mon. IDA. [,] Aug. 11 1964; Chyrsothamnus [,] nauseosus; D. S. Horning, Jr [,] Collector; 28; Hesperotings occidentalis [,] Drake det Froeschner 65
<i>Melanorhopala infuscata</i> Parshley	CUIC	F	Phila. [,] VII: 18 Pa; Col. By WJGernard; 15
<i>Melanorhopala infuscata</i> Parshley	CUIC	M	Washingtn. [,] 27-7-91 DC; Heideman Colector; Teleonemia [,] uniformis [,] O.H. Stal
<i>Melanorhopala infuscata</i> Parshley	CUIC	M	Bladnsbg [,] 21/7. 90; 537; Tingis new sp. 2 by Uhler; Heideman Collector
<i>Melanorhopala infuscata</i> Parshley	CUIC	F	FallsChurch [,] Va. 2 Aug
<i>Melanorhopala infuscata</i> Parshley	CUIC	I	FallsCh Va [,] VIII-4; ANCAudell
<i>Melanorhopala infuscata</i> Parshley	NCSU	M	USA: N. Carolina, Wake Co. [,] Garner, 806 Lawndale St. [,] 20-vi-2018, M. A. Bertone; PDIC #30018 [,] ex. Magnolia grandiflora; Melanorhopala [,] infuscata Parshley [,] det. M.A. Bertone 2019; NCSU_Ent [,] 00280522
<i>Melanorhopala infuscata</i> Parshley	OSUC	M	Fairfield Co. [,] VII-15 O.; D. J. & J. N. [,] Knull Collrs.; Melanorhopala [,] infuscata [,] Parshley [,] det. A. H. Knudson 2019; OSUC 0427164
<i>Melanorhopala infuscata</i> Parshley	PERC	M	IN: Lawrence Co. [,] FPAC nr Bedford [,] VII-17-2007
<i>Melanorhopala infuscata</i> Parshley	UDCC	F	No. 3 Cannon [,] Swp. 1 beans [,] Aug 9. 1966; DELAWARE [,] research [,] U. of Delaware [,] Collection; Melanorhopala [,] infuscata [,] Parshley [,] det. R. L. Blinn 1997UDCC_TCN 00026679

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia absimilis</i> Drake & Hambleton	AMNH	M	PANAMA: Panamá Prov [,] Cerro Campana [,] I-1-2002, 680-730 m [,] Weston Opitz coll.
<i>Teleonemia absimilis</i> Drake & Hambleton	INBio	U	Est. Quebrada Bonita, R. B. Carara, Prov. Punta, COSTA RICA. 50m. Abr 1994. J. Saborio, L N 194500_469850 # 2814; INBIOCRI001754911
<i>Teleonemia albomarginata</i> Champion	NHMUK	F	SYN- [,] TYPE; Type; Bugaba, [,] Panama [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] albomarginata [,] Ch.; Sp. figured; ♀; NHMUK 011253976; LECTOTYPE (♀) [,] Teleonemia [,] albomarginata [,] Champion [,] Det. Knudson 20
<i>Teleonemia annae</i> (Kirkaldy)	SEMC	F	PERU Depto. Junin [,] Satipo vicinity [,] 8 Nov. 1935 [,] Felix Woytkowski
<i>Teleonemia annae</i> (Kirkaldy)	UGCA	F	BOLIVIA : Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel [,] 22 April 2004 [,] J. E. Wappes
<i>Teleonemia atrata</i> Champion	NHMUK	F	Holo- [,] type; Type; Bugaba, [,] Panama [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] atrata [,] Ch.; Sp. figured; ♀; NHMUK 011253972
<i>Teleonemia aterrima</i> Stål	CUIC	M	Teleonemia [,] aterrima; Cornell U. [,] Lot. 580 [,] Sub. 911
<i>Teleonemia aterrima</i> Stål	CUIC	M	911.; Teleonemia [,] aterrima; Cornell U. [,] Lot. 580 [,] Sub. 911
<i>Teleonemia aterrima</i> Stål	FMNH	F	COLOMBIA: Putomayo; Santa [,] Rosa de Sucumbios, Rio [,] San Miguel, 400m. VII: [,] 25-31: 1971, leg. B Malkin; Kofan [,] Indian [,] village
<i>Teleonemia atrata</i> Champion	INBio	U	Estac. Pitilla, 700 m, 9 km S Sta. Cecilia, Guanac. Pr. COSTA RICA, Nov 1989, C. Moraga & P. Rios, L N 330200_380200; INBIOCRI000119813
<i>Teleonemia atrata</i> Champion	INBio	U	Estac. Pitilla, 700m, 9 km S Santa Cecilia, Guanac. Pr. COSTA RICA, Jan 1990, P. Rios, L_N_330200_380200 #170; INBIOCRI000213935
<i>Teleonemia atrata</i> Champion	INBio	U	Rancho Quemado, Pen. de Osa, A. C. Osa, Prov. Punta, COSTA RICA. 200 m. 4-21 Ene 1994, A. H. Gutierrez, L S 292500_511000 # 2570; INBIOCRI001846037
<i>Teleonemia atrata</i> Champion	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 20 FEB-3 MAR 1995. C. Cano, L N 318100_381900 #4398; INBIOCRI002175062
<i>Teleonemia barberi</i> Drake	BYUC	M	Along Lympia Creek at [,] 1 mile NW of Fort Davis, [,] Jeff Davis County, TEXAS [,] on July 28th, 1986 [,] S. Jay Hanselmann, coll.
<i>Teleonemia barberi</i> Drake	CNC	M	23mi. W. Ft. Davis [,] 4500 ft. TEXAS [,] June 1, 1959 [,] W. R. M. Mason; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400395 [,] BOLD Proc ID: CNCHB034-11
<i>Teleonemia barberi</i> Drake	CNC	M	Ft. Davis, TEX. [,] May 31, 1959 [,] Howden & Becker; CNC [,] 1188559
<i>Teleonemia barberi</i> Drake	NMSU	M	NM: Valencia Co. [,] Los Lunas, NMSU Ag Exp. [,] Station, 28-VI-2007 [,] N 34°46'10.2" [,] W 106°45'40.5" [,] coll. D. Richman, sweeping [,] overgrown asparagus plots
<i>Teleonemia barberi</i> Drake	SEMC	F	TEX. Davis [,] Mts. Hwy. 118, [,] Jeff Davis Co. [,] VII - 13 1965; Collectors: L & [,] C. W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Teleonemia barberi</i> Drake	TAMU	M	10 miles S. E. [,] Luna, N.M. [,] VIII-1-1989; Coll. by G. M. [,] Chamerlain
<i>Teleonemia barberi</i> Drake	UAIC	F	catnip; Patagonia [,] 9-20-30 [,] E. D. Ball, Ar; Teleonemia [,] barberi [,] Drake [,] Det. A. H. Knudson 2021; Teleonemia [,] sacchari [,] JRTB 1937 Fab
<i>Teleonemia barberi</i> Drake	UCDC	F	12 mi. s [,] Vila Matamoros [,] Chih. Mex. [,] VII-26-1967; R. C. Gardner [,] C. R. Kovacic [,] K. Lorenzen
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Dennis [,] Miss. 7-6-21; B. M. [,] 1924-344; Teleonemia [,] belfragii [,] Det Drake Stal
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Dennis [,] Miss. 7-6-21; B. M. [,] 1924-344
<i>Teleonemia belfragii</i> Stål	NHMUK	F	Dennis [,] Miss. 7-6-21; N. America. [,] Brit. Mus. [,] 1926-39.
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Vicksburg [,] Miss 6-18-21; N. America. [,] Brit. Mus. [,] 1926-39.
<i>Teleonemia belfragii</i> Stål	NHMUK	F	Vicksburg [,] Miss 6-18-21; N. America. [,] Brit. Mus. [,] 1926-39.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Vicksburg [,] Miss 6-18-21; B. M. [,] 1924-344
<i>Teleonemia belfragii</i> Stål	NHMUK	F	Vicksburg [,] Miss 6-18-21; B. M. [,] 1924-344
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Gainsville [,] 7-14-18 Fla. [,] C. J. Drake; 1920-425; <i>Teleonemia</i> [,] <i>belfragii</i> [,] Det Drake Stal
<i>Teleonemia belfragii</i> Stål	NHMUK	M	Gainsville [,] 7-14-18 Fla. [,] C. J. Drake; 1920-425
<i>Teleonemia belfragii</i> Stål	BYUC	M	USA, SC, Sumter Co., [,] Manchester State Forest, [,] 33°49.3'N 80°31.8'W [,] 29-V-2006, [,] S. M. Clark & E. G. Riley
<i>Teleonemia belfragii</i> Stål	CNC	M	Gainsville [,] 7-7-18 Fla. [,] C. J. Drake; CNC [,] 1176741; <i>Teleonemia</i> [,] <i>belfragei</i> [,] C.J.D. Stal
<i>Teleonemia belfragii</i> Stål	CNC	F	Gainsville [,] 7-14-18 Fla. [,] C. J. Drake; CNC [,] 1176742
<i>Teleonemia belfragii</i> Stål	CNC	M	Key Largo, Fla. [,] 31-III-1952 [,] J. R. Vockeroth; CNC [,] 1176743
<i>Teleonemia belfragii</i> Stål	CNC	F	Key Largo, Fla. [,] 31-III-1952 [,] J. R. Vockeroth; CNC [,] 1176744
<i>Teleonemia belfragii</i> Stål	CNC	F	Callicarpa [,] <i>americana</i> [,] A. N. Tissot [,] coll.; Gainsville, Fla [,] 8-8-1935 [,] No. 7492; CNC [,] 1176745; <i>Teleonemia</i> [,] <i>belfragei</i> [,] Stal [,] det A.N.T.
<i>Teleonemia belfragii</i> Stål	CNC	M	Homestead Fla [,] 27-IV-61 [,] L. A. Kelton; CNC [,] 1188552
<i>Teleonemia belfragii</i> Stål	CNC	M	Homestead Fla [,] 27-IV-61 [,] L. A. Kelton; CNC [,] 1188553
<i>Teleonemia belfragii</i> Stål	CNC	F	Homestead Fla [,] 27-IV-61 [,] L. A. Kelton; CNC [,] 1188554
<i>Teleonemia belfragii</i> Stål	CSUC	F	Dennis [,] Miss. 7.6.21
<i>Teleonemia belfragii</i> Stål	CSUC	F	Dennis [,] Miss. 7.6.21
<i>Teleonemia belfragii</i> Stål	CSUC	F	Dennis [,] Miss. 7.6.21
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	M	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	F	Gainsville, Fla. [,] 8-4-18 [,] P. W. Fattig
<i>Teleonemia belfragii</i> Stål	CUIC	F	St. Petersburg [,] 18-26Aug'31,Fla. [,] Bradley & Knorr; <i>Teleonemia</i> [,] <i>belfragei</i> [,] Det. [,] Oscar Monte Stal
<i>Teleonemia belfragii</i> Stål	CUIC	M	CrescentC [,] 7/7.99 Fla ; Heideman Collector; <i>Teleonemia</i> [,] <i>belfragei</i> [,] C. J. D Stål
<i>Teleonemia belfragii</i> Stål	DARC	F	FL: Jackson Co. , [,] FL Caverns St. Pk [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	F	FL: Jackson Co. , [,] FL Caverns St. Pk [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	F	FL: Jackson Co. , [,] FL Caverns St. Pk [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	M	FL: Jackson Co. , [,] FL Caverns St. Pk [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	M	FL: Jackson Co. , [,] FL Caverns St. Pk [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	M	FL: Liberty Co. , [,] Torreya State Pk. [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia belfragii</i> Stål	DARC	M	FL: Liberty Co. [,] Torreya State Pk. [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	F	FL: Liberty Co. [,] Torreya State Pk. [,] 19-V-1985, E. G. [,] Riley & D A Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	DARC	F	TEX: Bastrop Co. [,] Bastrop St. Park, [,] 10 June 1989 [,] Coll. E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia siade</i> (Fabricius)	DARC	F	PUERTO RICO: Guaníca [,] Forest, Hwy 334 [,] 28 - V - 1986: E.G. [,] Riley & D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia belfragii</i> Stål	ISIC	F	Gainesville [,] 6-21-18 Fla. [,] C. J. Drake; Teleonemia [,] belfragi [,] Det Drake Stål
<i>Teleonemia belfragii</i> Stål	ISIC	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston ; Teleonemia [,] belfragi
<i>Teleonemia belfragii</i> Stål	ISIC	F	Branford, Fla. [,] Aug. 4 1939 [,] L. D. Tuthill
<i>Teleonemia belfragii</i> Stål	ISIC	M	Isle of Palms, [,] Charleston Co.,[,] S.C. VII-21-1958 [,] Jean L. Laffoon
<i>Teleonemia belfragii</i> Stål	ISIC	M	Isle of Palms, [,] Charleston Co.,[,] S.C. VII-21-1958 [,] Jean L. Laffoon
<i>Teleonemia belfragii</i> Stål	ISIC	F	Isle of Palms, [,] Charleston Co.,[,] S.C. VII-21-1958 [,] Jean L. Laffoon
<i>Teleonemia belfragii</i> Stål	ISIC	M	North Newport River, [,] at Riceboro, Liberty [,] Co., GEORGIA [,] 31° 45'N, 81° 26'W [,] VII-23-1958 j. Laffoon
<i>Teleonemia belfragii</i> Stål	ISIC	M	North Newport River, [,] at Riceboro, Liberty [,] Co., GEORGIA [,] 31° 45'N, 81° 26'W [,] VII-23-1958 j. Laffoon
<i>Teleonemia belfragii</i> Stål	ISIC	M	Dennis [,] Miss 7-6-21
<i>Teleonemia belfragii</i> Stål	LSAM	M	ALA: Monroe County [,] Haines Island Park [,] 31°43'23"N 87°28'10"W [,] 30-v-1995 V. L. Moseley [,] beating & sweeping; William H. Cross [,] Expedition 1995
<i>Teleonemia belfragii</i> Stål	LSAM	M	LA: Grant Parish [,] Gray Branch, SW of [,] Breezy Hill off Hwy. 123 [,] 28-VII-1982 C. B. Barr
<i>Teleonemia belfragii</i> Stål	LSAM	F	WEST FELICIANA PARISH [,] LA. 9-VIII-1973; D. F. Clower [,] Collector
<i>Teleonemia belfragii</i> Stål	LSAM	M	LA: E. Feliciana Parish [,] Boy Scout Camp Avondale [,] LA Hwy. 10 E of Clinton [,] 22-VIII-1982 C. B. Barr
<i>Teleonemia belfragii</i> Stål	LSAM	F	LA: E. Feliciana Parish [,] Boy Scout Camp Avondale [,] LA Hwy. 10 E of Clinton [,] 22-VIII-1982 C. B. Barr
<i>Teleonemia sidae</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297778
<i>Teleonemia belfragii</i> Stål	LSAM	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston ; LSAM [,] 0297621; Teleonemia [,] belfragei [,] H. Stål
<i>Teleonemia belfragii</i> Stål	LSAM	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston ; LSAM [,] 0297622
<i>Teleonemia belfragii</i> Stål	LSAM	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston ; LSAM [,] 0297623
<i>Teleonemia belfragii</i> Stål	LSAM	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston ; LSAM [,] 0297624
<i>Teleonemia belfragii</i> Stål	LSAM	F	Branford, Fla. [,] Aug. 4 1939 [,] L. D. Tuthill; LSAM [,] 0297625
<i>Teleonemia belfragii</i> Stål	LSAM	F	Branford, Fla. [,] Aug. 4 1939 [,] L. D. Tuthill; LSAM [,] 0297626
<i>Teleonemia belfragii</i> Stål	LSAM	F	Branford, Fla. [,] Aug. 4 1939 [,] L. D. Tuthill; LSAM [,] 0297627
<i>Teleonemia belfragii</i> Stål	LSAM	M	Gainsville [,] Florida [,] 7/23/43; LSAM [,] 0297628
<i>Teleonemia belfragii</i> Stål	LSAM	F	Dennis [,] Miss. 7.6.21; LSAM [,] 0297629
<i>Teleonemia belfragii</i> Stål	LSAM	M	New Orleans [,] La. 6-18-1956 [,] J. H. Roberts; LSAM [,] 0297630
<i>Teleonemia belfragii</i> Stål	LSAM	F	New Orleans [,] La. 6-18-1956 [,] J. H. Roberts; LSAM [,] 0297631
<i>Teleonemia belfragii</i> Stål	LSAM	M	New Orleans [,] La. 6-18-1956 [,] J. H. Roberts; LSAM [,] 0297632
<i>Teleonemia belfragii</i> Stål	LSAM	M	New Orleans [,] La. 6-18-1956 [,] J. H. Roberts; LSAM [,] 0297633

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia belfragii</i> Stål	PSUC	M	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	M	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	M	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	F	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	F	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	F	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	F	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	F	Gainsville [,] VIII-8 1935 Fla. ; JOPepper [,] Collector; French [,] mulberry
<i>Teleonemia belfragii</i> Stål	PSUC	M	Easley, S.C. [,] VIII-2-'37; JOPepper [,] Collector
<i>Teleonemia belfragii</i> Stål	PSUC	F	Easley, S.C. [,] VIII-2-'37; JOPepper [,] Collector
<i>Teleonemia belfragii</i> Stål	SEMC	M	Natchitoches Co [,] La. 8-16-38 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Peeler Tex [,] 6-22-39 [,] R H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Peeler Tex [,] 6-22-39 [,] R H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Tuskegee Ala, [,] 7-22-30 [,] L. D. Tuthill
<i>Teleonemia belfragii</i> Stål	SEMC	M	Ireland Miss [,] 7-8-34 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Ireland Miss [,] 7-8-34 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Ireland Miss [,] 7-8-34 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Homestead Fla [,] 7-24-34 [,] M. E. Griffith
<i>Teleonemia belfragii</i> Stål	SEMC	M	Homestead Fla [,] 7-24-34 [,] M. E. Griffith
<i>Teleonemia belfragii</i> Stål	SEMC	M	Homestead Fla [,] 7-24-34 [,] M. E. Griffith
<i>Teleonemia belfragii</i> Stål	SEMC	F	Sebring, Fla, [,] 6-20-1951 Price [,] Beamers- Wood
<i>Teleonemia belfragii</i> Stål	SEMC	F	Branford Fla. [,] 7-31-30 [,] L. D. Tuthill
<i>Teleonemia belfragii</i> Stål	SEMC	M	Branford Fla. [,] 7-31-30 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Branford Fla. [,] 7-31-30 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Branford Fla. [,] 7-31-30 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	La Belle, Fla [,] 7 - 16 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Pensacola Fla [,] 7-12-34 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Ft. Mead Fla. [,] 8-13-30 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Ft. Mead Fla. [,] 8-13-30 [,] L. D. Tuthill
<i>Teleonemia belfragii</i> Stål	SEMC	F	Ft. Mead Fla. [,] 8-13-30 [,] L. D. Tuthill
<i>Teleonemia belfragii</i> Stål	SEMC	M	Elfers. Fla. [,] July 14, 1939 [,] P. B. Lawson
<i>Teleonemia belfragii</i> Stål	SEMC	M	Elfers. Fla. [,] July 14, 1939 [,] D. E. Hardy
<i>Teleonemia belfragii</i> Stål	SEMC	M	Elfers. Fla. [,] July 14, 1939 [,] D. E. Hardy

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia belfragii</i> Stål	SEMC	F	Elfers. Fla. [,] July 14, 1939 [,] D. E. Hardy
<i>Teleonemia belfragii</i> Stål	SEMC	M	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Key Largo, Fla. [,] 7 - 19 - 39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	M	Suwannee Spgs [,] Fla 7-3-1948 [,] L. D. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Suwannee Spgs [,] Fla 7-3-1948 [,] L. D. Beamer
<i>Teleonemia belfragii</i> Stål	SEMC	F	Okefenoke Swamp [,] Ga. B. I. 7-27-39 [,] R. H. Beamer
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] August 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	M	Carthage, Miss. [,] 7- 25 1928 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	Wiggins, Miss. [,] May 5, 1931 [,] H. G. Johnston
<i>Teleonemia belfragii</i> Stål	TAMU	F	TEXAS: Nacogdoches Co. [,] Etoile Park [,] 15.4 mi. e. Lufkin [,] July 28, 1975 [,] J. S. Ashe
<i>Teleonemia belfragii</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] Central Park 18.IX.1987 [,] T. P. Friedlander
<i>Teleonemia belfragii</i> Stål	TAMU	M	Sam Houston Nat'l. [,] Forest. Montgomer [,] County, Texas [,] IX 29 1963 [,] J. C. Schaffner
<i>Teleonemia belfragii</i> Stål	TAMU	M	TEXAS: Angelina Co. [,] Upland Island Wilderness Ar. [,] 3 mi. NNE Rockland [,] VI-22-1995 [,] Coll. E. G. Riley
<i>Teleonemia belfragii</i> Stål	TAMU	F	TEXAS: Angelina Co. [,] Upland Island Wilderness Ar. [,] 3 mi. NNE Rockland [,] VI-22-1995 [,] Coll. E. G. Riley
<i>Teleonemia belfragii</i> Stål	TAMU	F	TEXAS: Sabine Co. [,] Sabine Natl. Forest [,] Red Hill Lake. VII- [,] 21-1993, E. G. Riley
<i>Teleonemia belfragii</i> Stål	UAIC	M	E. D. Ball [,] Sanford, Fl [,] 5-8 28
<i>Teleonemia belfragii</i> Stål	UAIC	F	E. D. Ball [,] Sanford, Fl [,] 8-5 27; Teleonemia [,] belfragei Stal [,] Det. CA Olson '84
<i>Teleonemia belfragii</i> Stål	UDCC	M	Gainesville [,] 7-7-18 Fla [,] C. J. Drake; Teleonemia [,] belfragii [,] C.J.D. Stal; UDCC_TCN 00026699
<i>Teleonemia belfragii</i> Stål	UMSP	F	Gainesville [,] 6-21-18 Fla [Enter] C. J. Drake; Teleonemia [,] belfragei [,] Stål [,] Det. Drake

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia belfragii</i> Stål	WVDA	M	USA, Florida, [,] Highlands Co. [,] Highlands Hammock [,] State Park, 31-VII- [,] 1996, S. M. Clark; Teleonemia [,] belfragii [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia belfragii</i> Stål	WVDA	M	USA, Florida, [,] Highlands Co. [,] Highlands Hammock [,] State Park, 31-VII- [,] 1996, S. M. Clark; Teleonemia [,] belfragii [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia belfragii</i> Stål	WVDA	M	USA, TX, Shelby Co. [,] 5 mi. N. Patroon [,] 21 September 1996 [,] S. M. Clark [,] and R. A. Androw; Teleonemia [,] belfragii [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia bifasciata</i> Champion	NHMUK	MF	SYN- [,] TYPE; Bugaba, [,] Panama [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] bifasciata [,] Ch.; Sp. figured; Type; ♂; ♀; NHMUK 011253973; NHMUK 011253974; LECTOTYPE (♂) [,] Teleonemia [,] bifasciata [,] Champion [,] Det. Knudson 20;
<i>Teleonemia bifasciata</i> Champion	NHMUK	M	SYN- [,] TYPE; Chiacaman, [,] Vera Paz [,] Champion. ; B. C. A. Rhyn. II. [,] Teleonemia [,] bifasciata [,] Ch.; [Drawing of Rostral channel]; ♂; NHMUK 011253975
<i>Teleonemia bifasciata</i> Champion	INBio	U	Amubri, Prov. Limon, COSTA RICA. 70m. 3-28 FEB 1995. G. Gallardo, L S 385000_578100 #4389; INBIOCRI002216226
<i>Teleonemia bifasciata</i> Champion	INBio	U	Rancho Quemado, Pen. de Osa, Prov. Punta, COSTA RICA. 200m. 14-28 Jul 1993. A. Gutierrez, L S 292500_511000 # 2254; INBIOCRI001155770
<i>Teleonemia bifasciata</i> Champion	TAMU	F	MEXICO: Tobasco [,] 8 mi. W. Cardenas [,] 7 Oct., 1976 [,] Cate & Clark; Teleonemia [,] bifasciata [,] Champion [,] Det. A> H. Knudson 2016
<i>Teleonemia bifasciata</i> Champion	TAMU	M	MEXICO: Tobasco [,] 8 mi. W. Cardenas [,] 7 Oct., 1976 [,] Cate & Clark
<i>Teleonemia bifasciata</i> Champion	TAMU	F	MEXICO: Veracruz, [,] 1 mi. w. Papantla [,] June 28, 1971 [,] Clark, Murray, [,] Hart, Schaffner
<i>Teleonemia bifasciata</i> Champion	TAMU	M	Puerto Cabezas, Zelaya [,] Nicaragua 4-5 VIII 70; L. H. Rolston [,] Collector; LSAM [,] 0297659; Teleonemia [,] bifasciata [,] Champion [,] Det. A. H. Knudson 2020; Teleonemia [,] proluxa [,] (Stal) [,] Froeschner72
<i>Teleonemia bifasciata</i> Champion	TAMU	F	VENEZUELA: Lara [,] 3 miles north Cubrio [,] 1200 meters [,] December 27, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia bifasciata</i> Champion	TAMU	M	VENEZUELA: Lara [,] 3 miles north Cubrio [,] 1200 meters [,] December 27, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia bifasciata</i> Champion	TAMU	M	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia bifasciata</i> Champion	TAMU	F	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia bifasciata</i> Champion	TAMU	F	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia boliviana</i> Drake	UGCA	F	BOLIVIA : Santa Cruz [,] Amboro Rd above Achira [,] Campo 5-5,800' 9-11 Oct.[,] 2004 Wappes & Morris
<i>Teleonemia bosqi</i> Monte	UDCC	M	BOLIVIA: Santa Cruz Dept.: 3.7 [,] km SSE Buena Vista; Hotel Flora y [,] Fauna; ~400m; 17 29'S 63 33'W; A [,] Cline & J Wappes; 28 iv 2004; [,] beating vegetation.; Teleonemia [,] bosqi Monte [,] Det. A. H. Knudson 2021
<i>Teleonemia bosqi</i> Monte	UDCC	M	BOLIVIA: Santa Cruz Dept.: 3.7 [,] km SSE Buena Vista; Hotel Flora y [,] Fauna; ~400m; 17 29'S 63 33'W; A [,] Cline & J Wappes; 28 iv 2004; [,] beating vegetation.; Teleonemia [,] bosqi Monte [,] Det. A. H. Knudson 2021
<i>Teleonemia bosqi</i> Monte	UGCA	F	BOLIVIA : Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel [,] 22 April 2004 [,] J. E. Wappes
<i>Teleonemia brevipennis</i> Champion	CNC	F	Collected on [,] Convolvulaceae; Bahia, Brazil [,] Jan 3, 1939 [,] P. Silva Col.; CNC [,] 1176740; Teleonemia [,] brevipennis [,] (Champion) [,] Det. O. Monte
<i>Teleonemia brevipennis</i> Champion	TAMU	F	ECUADOR [,] PATUCA [,] 24-VI-1994 [,] S. G. Wellso; Teleonemia [,] CF: brevipennis [,] Champion [,] Det. A. H. Knudson 2021
<i>Teleonemia carmelana</i> (Berg)	BYUC	M	BOLIVIA, Dpto. Sta. Cruz, [,] Pr. Andrés Ibáñez, 5 km E. [,] of Pedro Lorenzo, 17.957°S, [,] 63.196°W, elev. 456 m, [,] 7-III-2016, S. M. Clark
<i>Teleonemia carmelana</i> (Berg)	JMLC	F	PARAGUAY: Guairá Dept.: [,] Hotel Independencia, vic. [,] Independencia, 10-20-XII-2019 [,] JE Eger & JM Leavengood, 617 ft [,] S 25° 43.069' W 56°16.443'; Teleonemia [,] carmelana [,] (Berg) [,] Det. A. H. Knudson 2020
<i>Teleonemia carmelana</i> (Berg)	KSUC	F	BRASIL: R. G. S. [,] Taquara [,] II-23-1961 [,] N. Marston-13

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia cylindricornis</i> Champion	NHMUK	F	SYN- [,] TYPE; Type; S. Geronimo, [,] 3000 ft. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>cylindricornis</i> [,] Ch.; Sp. figured; [Drawing of rostral cannal]; ♀; NHMUK 011253977; LECTOTYPE (♀) [,] <i>Teleonemia</i> [,] <i>cylindricornis</i> [,] Champion [,] Det. Knudson 20
<i>Teleonemia cylindricornis</i> Champion	NHMUK	M	SYN- [,] TYPE; Rio Hondo, [,] B. Honduras [,] Blancaneau.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>cylindricornis</i> [,] Ch.; ♂; NHMUK 011253978
<i>Teleonemia cylindricornis</i> Champion	NHMUK	M	SYN- [,] TYPE; San Juan, [,] Vera Paz [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>cylindricornis</i> [,] Ch.; ♂; NHMUK 011253979
<i>Teleonemia cylindricornis</i> Champion	NHMUK	M	SYN- [,] TYPE; San Juan, [,] Vera Paz [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>cylindricornis</i> [,] Ch.; [Drawing of Rostral channel]; ♂; NHMUK 011253980
<i>Teleonemia cylindricornis</i> Champion	INBio	U	COSTA RICA. Prov. Alajuela. Estación Caño Negro. 0-100m. 4 SEP 2005. M. Moraga, J. Azofeifa, Y. Cárdenas. Red Noyes. L_N_319062_450083 #84535; INB0004089213
<i>Teleonemia cylindricornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, 3 Km SE Rio Naranjo, Rancho Montezuma 490m. OCT 1994. R. G. Allen. Malaise. L_N_298800_418800 #4494; INB0004139282
<i>Teleonemia cylindricornis</i> Champion	INBio	U	Est. Murcielago, 8 km SO. de Cuajiniquil, Prov. Guana, COSTA RICA. 100 m. 10-18 Set 1993, F. Quesada, L N 320300_347200 #2351; INBIOCRI001159435
<i>Teleonemia cylindricornis</i> Champion	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127081
<i>Teleonemia cylindricornis</i> Champion	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127082
<i>Teleonemia cylindricornis</i> Champion	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127842
<i>Teleonemia cylindricornis</i> Champion	INBio	U	Amubri, Prov. Limon, COSTA RICA. 70m. 10-31 OCT 1995. G. Gallardo, L_S_385000_578100 #6376; INBIOCRI002428420
<i>Teleonemia dispersa</i> Drake	NHMUK	M	Holo- [,] type; Ecuador. [,] Rosenberg. [,] 99-104. ; Chimbo [,] 1000' VIII 97. [,] (Rosenberg).; <i>Teleonemia</i> [,] <i>dispersa</i> [,] Det. Drake Drake; HOLOTYPE [,] by C. J. Drake [,] <i>Teleonemia</i> [,] <i>dispersa</i> ; ♂; NHMUK 011253971
<i>Teleonemia dulcis</i> Drake	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Roadside veg. Los. [,] Cuevos road, S. W. [,] of town. 13.viii.1971.; P.S.& H.L. [,] Broomfield [,] B.M.1971-484.
<i>Teleonemia dulcis</i> Drake	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia dulcis</i> Drake	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia dulcis</i> Drake	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia dulcis</i> Drake	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia dulcis</i> Drake	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley; TAMU-ENTO [,] X1148371
<i>Teleonemia dulcis</i> Drake	TAMU	F	ECUADOR: Napo Prov. [,] 12 km. SW Estación [,] Científica Yasuní, IX-7- [,] 1999, E. G. Riley; TAMU-ENTO [,] X1136811
<i>Teleonemia dulcis</i> Drake	UCMS	F	ECUADOR: Province [,] Napo, Mishualli, on Napo [,] River, 25 May 1987 [,] J. E. O'Donnell
<i>Teleonemia dulcis</i> Drake	UMRM	M	ECUADOR: Napo Prov. [,] 25 km E Puerto Napo [,] S side Rio Napo [,] 7 January 1989 [,] coll: R. W. Sites
<i>Teleonemia elata</i> Drake	PSUC	F	Lambari [,] M. Gerais, Brasil [,] XII. 1962 [,] M. Alvarenga
<i>Teleonemia elata</i> Drake	ZMHC	M	Brasilien [,] Peranagua [,] R. Weyh leg [,] 1912; Brasilien [,] Peranagua [,] R. Weyh leg [,] 4-VII-1912
<i>Teleonemia forticornis</i> Champion	BYUC	F	BOLIVIA, Dpto. Beni, [,] Prov. Moxos, 10 km West [,] of San Ignacio de Moxos, [,] 14.994°S, 65.737°W, 164 m, [,] 11-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC139672

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia forticornis</i> Champion	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Huarinilla, 16°12'S, [,] 67°48'W, 3830 ft, [,] 10-XII-2008, S. M. Clark
<i>Teleonemia forticornis</i> Champion	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Huarinilla, [,] 16°12'S, 67°48'W, 3830 ft, [,] 27-XI-2011, S. M. Clark
<i>Teleonemia forticornis</i> Champion	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Huarinilla, [,] 16°12'S, 67°48'W, 3830 ft, [,] 28-XI-2011, S. M. Clark
<i>Teleonemia forticornis</i> Champion	CNC	F	ARGENTINA, Prov. Bs. As. [,] Bs. As., San Isidro [,] 10-15.I.1982 [,] H & A Howden; CNC [,] 1188675
<i>Teleonemia forticornis</i> Champion	CUIC	F	576; B. Horizonte [,] Minas-Brasil [,] Oscar Monte; <i>Teleonemia</i> [,] <i>forticornis</i> [,] Det. [,] Oscar Monte Champ.
<i>Teleonemia forticornis</i> Champion	DARC	F	PARAG: PRES. HAYES [,] 42 km NW Benjamín [,] Aceval: II-6-83 [,] Coll. E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia forticornis</i> Champion	EMEC	F	COSTA RICA: [,] 2 mi. S Puerto [,] Limon VIII-1-65; A. Raske [,] Collector; UC Berkeley [,] EMEC [,] 1252404
<i>Teleonemia forticornis</i> Champion	EMEC	M	SOUTH AMERICA [,] PARAGUAY: N San [,] Pedro I-9-1972; UC Berkeley [,] EMEC [,] 1252401
<i>Teleonemia forticornis</i> Champion	FMNH	F	BRAZIL: M. Grasso. [,] Nov.11-20, 1960. [,] B. Malkin leg.; Tapirape Indian [,] Village at confluence [,] of R. Tapirape and [,] R. Araguaia
<i>Teleonemia forticornis</i> Champion	FMNH	F	BRAZIL: M. Grasso. [,] Nov.11-20, 1960. [,] B. Malkin leg.; Tapirape Indian [,] Village at confluence [,] of R. Tapirape and [,] R. Araguaia; day sweeping [,] along [,] forest trail
<i>Teleonemia forticornis</i> Champion	MEMC	F	ARGENTINA, Misiones [,] Iguazu, [,] Iguazu Nat. Pk [,] 29 June 1993 [,] G. H. McKibben
<i>Teleonemia forticornis</i> Champion	MSUC	M	PERU: [,] Tingo Maria, [,] Huanuco [,] 22 June 1962 [,] W. T. Van Velzen
<i>Teleonemia forticornis</i> Champion	OSUC	M	15 mi. N. W. [,] Piraciaba, Sao [,] Paulo, Brazil; IX-2-64; Collr. C. A. [,] Tripplehorn ; OSUC 776276
<i>Teleonemia forticornis</i> Champion	SEMC	M	PANAMA Colon [,] Parque Nac. Soberania [,] Pipeline Rd. [,] 09°07'N, 79°45'W [,] 19 May 1995, J. Jolly, C [,] Chaboo, beating
<i>Teleonemia forticornis</i> Champion	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley; TAMU-ENTO [,] X0830628
<i>Teleonemia forticornis</i> Champion	TAMU	M	Viçosa. MG. Brasil [,] Data /1/79 [,] Ferreira & Rossi; FIUZA [,] RMS
<i>Teleonemia forticornis</i> Champion	TAMU	F	Viçosa. MG. Brasil [,] Data /1/79 [,] Ferreira & Rossi; FIUZA [,] RMS
<i>Teleonemia forticornis</i> Champion	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia forticornis</i> Champion	TAMU	F	COSTA RICA: Heredia [,] Estación Biológica La Selva [,] 50-150 m, 10°26'N, 84°01'W [,] IV-4-6-2003, E. G. Riley; TAMU-ENTO [,] X0721795
<i>Teleonemia forticornis</i> Champion	TAMU	F	COSTA RICA: Heredia [,] 11 km SE La Virgen, 450- [,] 550m, 10°20'N, 84°04'W [,] IV-12-14-2003, E. G. Riley
<i>Teleonemia forticornis</i> Champion	TAMU	F	VENEZUELA: Lara [,] 6 km.S. El Tacuyo [,] December 29, 1985 [,] Aacia Savanna, 700 m [,] P. Kovarik, R. Jones
<i>Teleonemia forticornis</i> Champion	UDCC	M	PERU. Madre de Dios [,] Tambopata Res. Zone; [,] Tambopata Research Center [,] on Rio Tambopata. S13 [,] 08.305 W69 36.502. 622 ft. [,] Malaise Trap. 3 - 7 X 2004. [,] CR Bartlett
<i>Teleonemia forticornis</i> Champion	UGCA	F	PANAMA: Cocle Prov. [,] 6 km. S El Valle [,] 20 May 1991 [,] R. Turnbow; <i>Teleonemia</i> [,] <i>forticornis</i> [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia forticornis</i> Champion	UGCA	F	HONDURAS: Atlántida [,] PN Pico Bonito, Esta. [,] CURLA, 18 July 2001 [,] R. Turnbow
<i>Teleonemia forticornis</i> Champion	UGCA	M	BOLIVIA : Santa Cruz [,] 4-6k SSE Buena Vista [,] F & F Hotel 19-22 October [,] 2004 Wappes & Morris
<i>Teleonemia forticornis</i> Champion	UGCA	F	BOLIVIA : Santa Cruz [,] 4-6k SSE Buena Vista [,] F & F Hotel 19-22 October [,] 2004 Wappes & Morris
<i>Teleonemia forticornis</i> Champion	UGCA	M	PANAMA: Bocas del [,] Toro, 24 km. W [,] Punta Peña, 22 Feb. [,] 1999, R. Turnbow; CF <i>Teleonemia</i> [,] <i>forticornis</i> [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia forticornis</i> Champion	UGCA	F	PANAMA: Bocas del [,] Toro, 24 km. W [,] Punta Peña, 22 Feb. [,] 1999, R. Turnbow

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia forticornis</i> Champion	USNM	M	El Valle de Cocle [,] Panamá [,] 24-V-75 [,] Col. Dodge Engleman; CF Teleonemia [,] forticornis [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia forticornis</i> Champion	USNM	F	COSTA RICA: Heredia [,] Prov., La Selva Biol Sta [,] successional plots [,] 1-2 years 27 July 1989 [,] Leg. David G. Furth; Teleonemia [,] forticornis [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia forticornis</i> Champion	WVDA	M	COSTA RICA, Heredia, [,] Estación Biológica [,] La Selva, 13-I-1995 [,] S. M. Clark
<i>Teleonemia forticornis</i> Champion	WVDA	F	COSTA RICA, Heredia, [,] Estación Biológica [,] La Selva, 12-I-1995 [,] S. M. Clark
<i>Teleonemia forticornis</i> Champion	NHMUK	M	Holo- [,] type; Type; Bugaba, [,] Panama [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] forticornis [,] Ch.; [Drawing of rostral cannal]; ♂; NHMUK 011253981
<i>Teleonemia funerea</i> Costa	LSAM	F	Santarem [,] July, 1919 [,] S. M. Klages; LSAM [,] 0297620; Teleonemia [,] funerea [,] Costa [,] Det. A. H. Knudson 2021; Teleonemia [,] aterrima [,] Stâl [,] Drake.; BRAZIL
<i>Teleonemia funerea</i> Costa	UDCC	M	PERU Madre de Dios [,] nr Puerto Maldonado [,] Posadas Amazonas; S12°48.115 W69°18.019 [,] 609 ft; 30-IX-2004 [,] C. R. Bartlett
<i>Teleonemia funerea</i> Costa	UDCC	M	PERU Madre de Dios [,] nr Puerto Maldonado [,] Posadas Amazonas; S12°48.115 W69°18.019 [,] 609 ft; 30-IX-2004 [,] C. R. Bartlett
<i>Teleonemia funerea</i> Costa	UDCC	F	PERU Madre de Dios [,] nr Puerto Maldonado [,] Posadas Amazonas; S12°48.115 W69°18.019 [,] 609 ft; 30-IX-2004 [,] C. R. Bartlett
<i>Teleonemia harleyi</i> Froeschner	CNC	F	TRINIDAD [,] Curepe [,] 13 Aug. 1974; CNC [,] 1188923
<i>Teleonemia harleyi</i> Froeschner	NHMUK	MF	184 [,] TRINIDAD [,] St. Augustine [,] vi. 1962 [,] F. D. Bennett [,] on Lantana Camera ; C. I. E. COLL [,] NO. 18442; Teleonemia [,] harlyi [,] Froeschner [,] Det. A. H. Knudson 2022
<i>Teleonemia harleyi</i> Froeschner	NHMUK	MF	184 [,] TRINIDAD [,] St. Augustine [,] vi. 1962 [,] F. D. Bennett [,] on Lantana Camera ; C. I. E. COLL [,] NO. 18442; Teleonemia [,] sp. [,] M.S.K. Ghauri det. 1962; Teleonemia [,] harlyi [,] Froeschner [,] Det. A. H. Knudson 2022
<i>Teleonemia harleyi</i> Froeschner	NHMUK	F	184 [,] TRINIDAD [,] St. Augustine [,] vi. 1962 [,] F. D. Bennett [,] on Lantana Camera ; C. I. E. COLL [,] NO. 18442; Teleonemia [,] harlyi [,] Froeschner [,] Det. A. H. Knudson 2022
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; Teleonemia [,] novica [,] Drake [,] Det. J. C. Lutz; OSUC 0427276
<i>Teleonemia huachucae</i> Drake	OSUC	M	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427277
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427278
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427279
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427280
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427281
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427282
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427283
<i>Teleonemia huachucae</i> Drake	OSUC	F	Prescott, Ar. [,] VII-25-50. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] huachucae [,] Drake [,] Det. A. H. Knudson; OSUC 0427284
<i>Teleonemia huachucae</i> Drake	SEMC	F	Santa Rita Mts [,] Ar. 7-17-32 [,] R. H. Beamer
<i>Teleonemia huachucae</i> Drake	SEMC	M	ARIZ. Pima Co. [,] Sta. Catalina Mts [,] IX.17.1964; Hitchcock Hwy [,] Mile 17 CW & [,] C. B. O'Brien; Ashlock Coll'n [,] Bequest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 30 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia huachucae</i> Drake	UAIC	F	Cajon Can., Calif. [,] San Bernardino co. [,] July 22 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elev. 3900 ft.; Trichostema [,] LANAtum; Chas. [,] Collector; A - 11
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	Bugaba, [,] Panama, [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St.; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	Bugaba, [,] Panama, [,] Champion. ; Sp. figured.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] comp. type; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	Bugaba, [,] Panama, [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	V. de Chiriqui, [,] 2-3000 ft. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St.; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	M	V. de Chiriqui, [,] 2-3000 ft. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St.; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	V. de Chiriqui, [,] 2-3000 ft. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	Teapa, [,] Tobasco [,] March. H. H. S. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	Teapa, [,] Tobasco [,] March. H. H. S. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	S. Geronimo, [,] 3000 ft. [,] Champion. ; [Drawing of rostral canal]; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	F	San Isidro [,] 1600 ft. [,] Champion; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	NHMUK	M	San Isidro [,] 1600 ft. [,] Champion; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] var. a; <i>Teleonemia</i> [,] <i>inops</i> [,] Drake & Hambleton [,] Det. A. H. Knudson 2022
<i>Teleonemia inops</i> Drake & Hambleton	BYUC	M	Limon [,] Tomaulipas [,] Mexico; D. Elden Beck. [,] Collector
<i>Teleonemia inops</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Cartago. Quebrada Segunda, Tapantí, 1150. AGO 1994. G. Mora. Malaise. L_N_194000_560000 #3253; INB0004140028
<i>Teleonemia inops</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Heredia. Sarapiquí. P.N. B. Carrillo. 16Km SSE La Virgen. 1050-1150m. 9-21 MAR 2001. INBio-OET-ALAS. Malaise. 11/M/16/056. L_N_250000_527100 #97126; INB0004216504
<i>Teleonemia inops</i> Drake & Hambleton	MSUC	M	MEXICO: [,] 8 mi W El Naranjo [,] San Louis Potosi [,] 4 August 1963 [,] J. P. Donahue [,] Elev. 2400 feet
<i>Teleonemia inops</i> Drake & Hambleton	OSUC	F	PANAMA: Pan. Prov. [,] Altos de Majé [,] x-6/15-1975; DSChandler [,] sweeping low [,] vegetation; OSUC 776252
<i>Teleonemia inops</i> Drake & Hambleton	OSUC	F	Cocle Prov., [,] El Valle, Pan. [,] VI-14-67; D.M.DeLong & [,] C. A. Triplehorn [,] Collectors ; OSUC 775532
<i>Teleonemia inops</i> Drake & Hambleton	TAMU	M	MEXICO: Tamaulipas [,] 82 km. east Ciudad [,] Victoria, Hwy. 70 [,] July 3, 1986 Jones, [,] Kovarik, Schaffner
<i>Teleonemia inops</i> Drake & Hambleton	UGCA	F	HOND. Olancho [,] Sierra de Agalta, 4 km. [,] N Catacamas, 14 Oct. 1993 [,] R. Turnbow
<i>Teleonemia inops</i> Drake & Hambleton	UGCA	F	HOND. Olancho [,] Sierra de Agalta, 4 km. [,] N Catacamas, 14 Oct. 1993 [,] R. Turnbow
<i>Teleonemia inops</i> Drake & Hambleton	USNM	M	PANAMA C. Z. [,] Ft. Davis Atl. [,] 17-VII-82 [,] Col. D. Engleman
<i>Teleonemia inops</i> Drake & Hambleton	WVDA	M	COSTA RICA, Heredia, [,] Estación Biológica [,] La Selva, 13-I-1995 [,] S. M. Clark
<i>Teleonemia inornata</i> Monte	OSUC	M	Ubatuba. Sao [,] Paulo, Brazil [,] VIII-24-65; Collr. C. A. [,] Triplehorn; OSUC 775533; <i>Teleonemia</i> [,] <i>inornata</i> [,] Monte [,] Det. A. H. Knudson /[Reverse]/ Maybe n. sp. [,] antennae shape [,] slightly diff [,] Hood also smaller
<i>Teleonemia jucunda</i> Drake	NHMUK	F	PERU Madre de Dios [,] RioTambopata Res. [,] 30km (air) sw Pto. [,] Maldonado, 290m [,] 12°50'S 069° 20'W; B.M.1983-544 [,] N.E.Stork [,] 3.x.-15.xi.1983
<i>Teleonemia jucunda</i> Drake	NHMUK	M	on Cassia [,] moschata H. B. K.; No [,] macro-epiphytes [,] on trunk, many [,] lianas on crown.; PANAMA CANAL ZONE: [,] Panama City [,] Monsoon forest. [,] Canopy fogging. [,] 15-30.vii.1979; E. Broadhead et al. [,] B.M. 1979-125
<i>Teleonemia jucunda</i> Drake	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1km.E.of town. [,] Malaise trap. Dense [,] woodland 13.viii.1971.; P.S.& H.L. [,] Broomfield [,] B.M.1971-486.
<i>Teleonemia jucunda</i> Drake	DARC	F	C.R., Heredia, La [,] Selva Bio. Sta. 2km.S [,] Pt. Viejo 3-5-VI-1984 [,] Riley, Rider & LeDoux; D. A. Rider [,] Collection; HOMOTYPE [,] <i>Teleonemia</i> [,] <i>jucunda</i> Drake [,] A.H. Knudson 2015
<i>Teleonemia jucunda</i> Drake	FSCA	F	PANAMA, CANAL ZONE [,] PIPELINE ROAD [,] MAY 8 1981 [,] E. GIESBERT, Coll.
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775810
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775811
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775812
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775813

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775814
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775815
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775816
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775817
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775818
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775819
<i>Teleonemia jucunda</i> Drake	OSUC	F	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775820
<i>Teleonemia jucunda</i> Drake	OSUC	M	PERU, TingoMaria [,] July 19, 1948 [,] E.J.Hambleton; OSUC 775828
<i>Teleonemia jucunda</i> Drake	TAMU	F	Nova Teutonia, Santa [,] Catarina, Brazil [,] 27°11' N, 52°23' W [,] July 1970 [,] Fritz Plaumann
<i>Teleonemia jucunda</i> Drake	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] Puente Vills, 4300'. [,] 19-24-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia jucunda</i> Drake	TAMU	F	PANAMA: Darién Prov. [,] P.N. Darién, Cerro Pirre [,] 'Campo Plastico' 620m [,] 7.9973°N, 77.7129°W [,] VI-3-5-2015, E. G. Riley
<i>Teleonemia jucunda</i> Drake	UGCA	F	PANAMA: Bocas del [,] Toro, 24 km. S [,] Punta Peña, 21 Feb. [,] 1999, R. Turnbow
<i>Teleonemia jucunda</i> Drake	UMRM	F	PANAMA: C.Z. [,] Cerro Galera [,] May-22,80:E. [,] Riley&LeDoux
<i>Teleonemia jucunda</i> Drake	ZMHC	M	Surinam [,] Paramaribo [,] IX. 1907 [,] Coll. Michaelis; Paramaribo [,] J. Michaelis [,] ded. 15. 11. 1908; C. J. Drake [,] detrm 1928; Teleonemia [,] jucunda [,] Drake [,] Det. A.H.Knudson 2021
<i>Teleonemia limbata</i> (Stål)	BPBM	M	Chapada [,] Brazil [,] Acc. No 2966; April; Teleonemia [,] limbata [,] Stål
<i>Teleonemia limbata</i> (Stål)	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Carmen Pampa, [,] 16.25°S, 67.96°W, 1900 m, [,] 30-IV-2006, S. M. Clark
<i>Teleonemia limbata</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Huarinilla, [,] 16°12'S, 67°48'W, 3830 ft, [,] 10-XII-2008, S. M. Clark
<i>Teleonemia limbata</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Huarinilla, 16°12'S, [,] 67°48'W, 3830 ft, [,] 10-XII-2008, S. M. Clark
<i>Teleonemia limbata</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Huarinilla, [,] 16°12'S, 67°48'W, 3830 ft, [,] 11-XI-2009, S. M. Clark
<i>Teleonemia limbata</i> (Stål)	INHS	F	BOLIVIA: Santa Cruz [,] 15km W. Portochuelo [,] 21 March 1975 [,] M. E. Irwin No. 1131; INTSOY; INHS [,] Insect Collection [,] 754,703
<i>Teleonemia limbata</i> (Stål)	JMLC	F	PARAGUAY: Misiones Dept.: [,] San Ignacio, vic. Hotel Rural, [,] S 26° 52.508' W 056° 59.355' [,] elev. 451 ft 5-8-XII-2019 [,] Eger, Tyson & Leavengood
<i>Teleonemia limbata</i> (Stål)	KSUC	M	PARAGUAY, nr. Luque & [,] International airport [,] 26 June 1975, sweeping [,] Elzinga, Granovsky & Blocker
<i>Teleonemia limbata</i> (Stål)	LSAM	F	Brasilien [,] Nova Teutonia [,] 27°11' B. 52° 23' L' [,] Fritz Plaumann [,] 20. 11.1936; LSAM [,] 0297762
<i>Teleonemia limbata</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia limbata</i> (Stål)	TAMU	M	PERU: Huanuco Dept., Puente Cinchavito, 25 km S Tingo [,] Maria, 3400'. 11-17-IV- [,] 1987, J. E. Eger, coll.
<i>Teleonemia limbata</i> (Stål)	UCMS	F	COLOMBIA: Tolima [,] Mariquita [,] 12 VII 1977 [,] V. Bruzzese
<i>Teleonemia limbata</i> (Stål)	MNHN	F	GUYANE-KOUROU [,] ENV. DE CAYENNE [,] 27-IX-1979 [,] J. CARAYON REC.; MUSEUM PARIS; Teleonemia [,] limbata [,] Guilbert det.
<i>Teleonemia limbata</i> (Stål)	MNHN	M	GUYANE-KOUROU [,] ENV. DE CAYENNE [,] 27-IX-1979 [,] J. CARAYON REC.; MUSEUM PARIS
<i>Teleonemia limbata</i> (Stål)	MNHN	M	GUYANE-KOUROU [,] ENV. DE CAYENNE [,] 27-IX-1979 [,] J. CARAYON REC.; MUSEUM PARIS

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia longicornis</i> Champion	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1km.E.of town. [,] At edge [,] of woodland 5.viii.1971.; P.S.& H.L. [,] Broomfield [,] B.M.1971-486.
<i>Teleonemia longicornis</i> Champion	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1km.E.of town. [,] At edge [,] of woodland 5.viii.1971.; P.S.& H.L. [,] Broomfield [,] B.M.1971-486.
<i>Teleonemia longicornis</i> Champion	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Río Coroico, Santa Fe, [,] 15.810°S, 67.621°W, 570 m, [,] 22-IV-2007, S. M. Clark
<i>Teleonemia longicornis</i> Champion	MUSM	M	PERU: Cusco: Villa Carmen [,] field station, 500 meters east of [,] cafeteria 12.89459°S 7139928°W [,] 504m 31.V.2011 D. J. Bennett [,] beating branches& fumigant [,] PER-11-DJB-049
<i>Teleonemia longicornis</i> Champion	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia lutzi</i> Drake	UGCA	M	BOLIVIA: Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel [,] 22 April 2004 [,] J. E. Wappes.
<i>Teleonemia lutzi</i> Drake	UGCA	F	BOLIVIA: Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel [,] 22 April 2004 [,] J. E. Wappes.
<i>Teleonemia lutzi</i> Drake	UGCA	F	BOLIVIA: Santa Cruz [,] 4 km SSE Buena Vista [,] Flora & Fauna Hotel [,] 22 April 2004 [,] J. E. Wappes.
<i>Teleonemia lutzi</i> Drake	UGCA	M	BOLIVIA: Santa Cruz [,] Buena Vista vic. [,] Flora&Fauna Hotel [,] 22-26/X/02, Morris/ [,] Wappes.
<i>Teleonemia lutzi</i> Drake	UGCA	F	BOLIVIA : Santa Cruz [,] 4-6k SSE Buena Vista [,] F & F Hotel Oct 22-31 [,] 2002 Wappes & Morris
<i>Teleonemia lutzi</i> Drake	UGCA	F	BOLIVIA : Santa Cruz [,] 4-6k SSE Buena Vista [,] F & F Hotel Oct 22-31 [,] 2002 Wappes & Morris
<i>Teleonemia molinae</i> Drake	BPBM	F	Paraguay, Horqueta [,] 1938 [,] Alberto Schultze; PARATYPE [,] Teleonemia [,] molinae [,] C. J. Drake
<i>Teleonemia molinae</i> Drake	LSAM	U	Paraguay, Horqueta [,] 1938 [,] Albertd Schultze [,] 255; LSAM [,] 0297789
<i>Teleonemia molinae</i> Drake	LSAM	U	Paraguay, Horqueta [,] 1938 [,] Alberto Schultze [,] 255; LSAM [,] 0297790
<i>Teleonemia molinae</i> Drake	LSAM	U	Paraguay, Horqueta [,] 1938 [,] Alperto Schultze [,] 255; LSAM [,] 0297791
<i>Teleonemia molinae</i> Drake	LSAM	U	Paraguay, Horqueta [,] 1938 [,] Albertd Schultze [,] 255; LSAM [,] 0297792
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Lakeport Rd. [,] Lake Co. [,] VIII-16 Cal. [,] W. M. Giffard; Teleonemia [,] monile [,] Van Duzee [,] Det. A. H. Knudson 2022; Teleonemia [,] nigrina [,] J. D. Champ.
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Lakeport Rd. [,] Lake Co. [,] VIII-16 Cal. [,] W. M. Giffard
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Crystal Lake [,] San Mateo Co. [,] VI-16 Cal. [,] W. M. Giffard
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Crystal Lake [,] San Mateo Co. [,] VI-16 Cal. [,] W. M. Giffard
<i>Teleonemia monile</i> Van Duzee	BPBM	F	Crystal Lake [,] San Mateo Co. [,] VI-16 Cal. [,] W. M. Giffard
<i>Teleonemia monile</i> Van Duzee	BPBM	M	MariposaCo. [,] VI-16 [,] W. M. Giffard; Wawona
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Muir Woods [,] Cal; Marin Co. [,] 15-VII-17 Cal. [,] WMGiffard
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Mt. Diablo [,] VII-16 Cal. [,] WMGiffard; Contra Costa Co. [,] 1400 ft Cal.
<i>Teleonemia monile</i> Van Duzee	BPBM	M	Mt. Diablo [,] VII-16 Cal. [,] WMGiffard; Contra Costa Co. [,] 1400 ft Cal.
<i>Teleonemia monile</i> Van Duzee	BPBM	F	Mt. Diablo [,] VII-16 Cal. [,] WMGiffard; Contra Costa Co. [,] 1400 ft Cal.
<i>Teleonemia monile</i> Van Duzee	BPBM	F	Mt. Diablo [,] VII-16 Cal. [,] WMGiffard; Contra Costa Co. [,] 1400 ft Cal.
<i>Teleonemia monile</i> Van Duzee	BYUC	F	CA Glenn Co. [,] Salt Creek near [,] Alder Springs [,] 27-IV-1987; Baumann [,] Stark-Wells [,] Nelson-Stanger
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-72; Acillea [,] millefolium; J. Powell [,] Collector; Teleonemia [,] monile [,] Van Duzee [,] Det. A. H. Knudson 2020; EMEC [,] 1252411
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-73; Acillea [,] millefolium; J. Powell [,] Collector; EMEC [,] 1252412

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-74; Acillea [,] millefolium; J. Powell [,] Collector; EMEC [,] 1252413
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-75; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252414
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-76; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252415
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-77; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252416
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-78; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252417
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-79; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252418
<i>Teleonemia monile</i> Van Duzee	EMEC	M	Eel River R. S. [,] 4 mi. W., Mendo. Co. [,] Cal. 1450; VI-9-80; Acillea [,] millefolium; J. Doyan [,] Collector; EMEC [,] 1252419
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Biledo Meadow [,] Madera Co. Calif. [,] VII-27-1946; R. L. Usinger [,] Collector; EMEC [,] 1252406
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Biledo Meadow [,] Madera Co. Calif. [,] VII-27-1946; R. L. Usinger [,] Collector; EMEC [,] 1252407
<i>Teleonemia monile</i> Van Duzee	EMEC	F	CLAIF: Trinity Co. [,] 6 mi, NE Hayfork [,] V-20-1973 J. Powell; EMEC [,] 1252408
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Calif., Lake Co. [,] 5miN.W. Middletown [,] VI-4-1963; W. Turner [,] Collector; EMEC [,] 1252409
<i>Teleonemia monile</i> Van Duzee	EMEC	F	Cobb, Calif. [,] Lake Co. [,] VI-22-1963; W. Turner [,] Collector; EMEC [,] 1252410
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Arroyo Mocho [,] 20 mi.S.Livermore [,] Calif VI-10-1961; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest; Teleonemia [,] monlie [,] Van Duzee [,] Det. A. H. Knudson 2020; Teleonemia [,] sp. [,] Det. Wenjun Bu, 1997
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Arroyo Mocho [,] 20 mi.S.Livermore [,] Calif VI-10-1961; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest; Teleonemia [,] monlie [,] Van Duzee [,] Det. A. H. Knudson 2020
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Arroyo Mocho [,] 20 mi.S.Livermore [,] Calif VI-10-1961; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest; Teleonemia [,] monlie [,] Van Duzee [,] Det. A. H. Knudson 2020
<i>Teleonemia monile</i> Van Duzee	SEMC	M	2 mi. N. ALPINE LK. [,] MARIN Co. CALIF. [,] VII-8-1961; J.F.LAWERENCE [,] COLLECTOR; Ashlock Coll'n [,] Bequest
<i>Teleonemia monile</i> Van Duzee	SEMC	F	JamesburgCAL [,] 8-11-38 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	JamesburgCAL [,] 8-11-38 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Lucerne, Calif [,] 7-17-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Sitinson Beach [,] Claif.8-15-38 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Sitinson Beach [,] Claif.8-15-38 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	CALIFORNIA: Marin [,] Co. Carson Ridge [,] 9 August 1978
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Claif.1mi.NE [,] Occidental [,] SonomaCo. [,] V-17-1964; Collector [,] C.W. O'Brien; Ashlock Coll'n [,] Bequest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	CARSON RDG. [,] MARIN Co.CALIF [,] VII-5-1952; Cupressus [,] sargentii; P D Ashlock [,] collector; Teleonemia [,] nigrina [,] Champ. [,] Det. P D Ashlock 1955
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Mt. Diablo Claif [,] 7-21-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Mt. Diablo Claif [,] 7-21-35 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Alpine Calif. [,] 7-9-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Campo, Calif. [,] August 10, 1935 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	San Diego Co. [,] Calif.7-4-29 [,] L. D. Anderson
<i>Teleonemia monile</i> Van Duzee	SEMC	F	San Diego Co. [,] Calif.7-4-29 [,] L. D. Anderson
<i>Teleonemia monile</i> Van Duzee	SEMC	F	San Diego Co. [,] Calif.7-4-29 [,] L. D. Anderson
<i>Teleonemia monile</i> Van Duzee	SEMC	F	San Diego Co. [,] Calif.7-5-29 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	M	Quatay, Calif. [,] VII-19-41 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Quatay, Calif. [,] VII-19-41 [,] R. H. Beamer
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Kernville, Calif [,] VII-24-40 [,] L. C. Kuitert
<i>Teleonemia monile</i> Van Duzee	SEMC	F	Laguna Mts. [,] Calif. 7-6-29 [,] L. D. Anderson
<i>Teleonemia monile</i> Van Duzee	TAMU	M	9 miles east of [,] Buck Meadows, [,] Toulumne Co., CA [,] VI-5-1962 [,] M. W. Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	F	9 miles east of [,] Buck Meadows, [,] Toulumne Co., CA [,] VI-5-1962 [,] M. W. Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	M	9 miles east of [,] Buck Meadows, [,] Toulumne Co., CA [,] VI-5-1962 [,] W. F. Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	F	9 miles east of [,] Buck Meadows, [,] Toulumne Co., CA [,] VI-5-1962 [,] W. F. Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	F	Lower Lake, Cal [,] IV-20-1949; Coll. By W. F. [,] Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	M	Oakhurst, Cal. [,] Madera Co. [,] V-19 1942 ; Coll. By W. F. [,] Chamberlain
<i>Teleonemia monile</i> Van Duzee	TAMU	M	Cal. S. L. O. Co. [,] S. L. O. Reservoir [,] V-21-1975 Cyn [,] Wharton Coll.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia monile</i> Van Duzee	UIDC	M	Shingletown [,] Shasta Co. Calif. [,] V-22-41; <i>Teleonemia</i> [,] sp.
<i>Teleonemia monile</i> Van Duzee	UIDC	F	Oakland Hills [,] v-21-1950 [,] Alameda, Co. Cal; W. F. Barr [,] Collector
<i>Teleonemia monile</i> Van Duzee	UIDC	F	CALIF., Colusa Co. [,] Bear Crk., nr.Jct. [,] Hwys. 16 & 20 [,] 23-IV-1977 [,] R. L. Wescott; Streamside [,] grasses, rushes, [,] sedges, etc.
<i>Teleonemia monile</i> Van Duzee	UIDC	M	Mt. Diablo. Cal [,] V-18 1947; Sweeping; Arthur J. Walz[,] Collector
<i>Teleonemia monile</i> Van Duzee	UMSP	M	Permanente Cr. [,] Santa Clara Co. July, 1917 Cal. ; On <i>Adenstegia</i> [,] pilosa; <i>Teleonemia</i> [,] nigrina [,] Det. Drake Champ.
<i>Teleonemia monile</i> Van Duzee	UMSP	F	Cal. ; Otto Lugger [,] Collection; <i>Teleonemia</i> [,] nigrina Champ [,] Det. C. J. Drake 1919
<i>Teleonemia monile</i> Van Duzee	WSUC	F	Viola 2 mi W [,] Shasta Co. Calif. [,] 20-V-41; J. R. Fisher [,] Collector; Sweeping; <i>Teleonemia</i> [,] monile [,] Van Duzee [,] Det. A. H. Knudson 2021; <i>Teleonemia</i> [,] nigrina [,] Champ; Jack Fisher [,] Collection [,] ***** [.] Gift to James Entom. [,] Coll., W. S. U., 1983
<i>Teleonemia monile</i> Van Duzee	WSUC	F	Viola 2 mi W [,] Shasta Co. Calif. [,] 20-V-41; J. R. Fisher [,] Collector; Sweeping; Jack Fisher [,] Collection [,] ***** [.] Gift to James Entom. [,] Coll., W. S. U., 1983
<i>Teleonemia montivaga</i> Drake	BYUC	F	USA, UTAH, Kane Co. [,] Grand Staircase - Escalante [,] Natl. Mounment , Seamon. [,] Wash, at spring off Hwy 89, [,] 37°07'01" N 112°14'58" W, [,] 6541 ft., 13 July-3 Aug 2000 ; E. C. Green, W. N. Mendel [,] #83, M. Moody. [,] Malaise trap in 70% ethanol. [,] Sorted by C. R. Nelson [,] 24 September 2001; <i>Teleonemia</i> [,] montivaga [,] Drake [,] Det. A.H.Knudson 2021; <i>Teleonemia</i> [,] nigrina [,] Champion [,] det. L. Torres-Miller
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Garfield Co., [,] near Losee Canyon, [,] Northeast of Hillsdale, [,] 37°46'N, 122°20'W, [,] 7-VII-2009, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Garfield Co., [,] near Losee Canyon, [,] Northeast of Hillsdale, [,] 37°46'N, 122°20'W, [,] 7-VII-2009, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	ARIZONA, Mohave Co., [,] Hualapai Mountain Road, [,] 1.4 mi. SE jct Rt. 259, [,] 35°06'N, 113°54.1'W, [,] 15-VII-2011, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Clark Co. [,] 6km E. Whitney Pockets, [,] 36.5319°, 114.0711°W, [,] 16-V-2015, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC080238
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Clark Co. [,] 6km E. Whitney Pockets, [,] 36.5319°, 114.0711°W, [,] 16-V-2015, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC080501
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Esmeralda Co., [,] White Mountains, [,] 36°49', 118°14'W, [,] 13-VII-2011, S. M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	M	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC121114
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC120791
<i>Teleonemia montivaga</i> Drake	BYUC	?	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC121077
<i>Teleonemia montivaga</i> Drake	BYUC	M	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC120632
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC121163
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, [,] 25-VI-2014, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC120870
<i>Teleonemia montivaga</i> Drake	BYUC	M	NEVADA, Lincoln Co., [,] Hwy. 93, [,] Oak Spring Summit, [,] 37°35.6'N, 114°41.1'W, [,] 14-VII-2011, S. M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Lincoln Co., [,] Hwy. 93, [,] Oak Spring Summit, [,] 37°35.6'N, 114°41.1'W, [,] 14-VII-2011, S. M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	NEVADA, Lincoln Co., [,] Hwy. 93, [,] Oak Spring Summit, [,] 37°35.6'N, 114°41.1'W, [,] 14-VII-2011, S. M. Clark

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Emery Co. [,] 6.2 mi. W. Hwy. 24 [,] on Goblin Valley Road, [,] 26-VII-2012, S.M. Clark; 38° 39.63'N [,] 110° 40.24'W [,] elev.5330 ft.
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Emery Co. [,] 6.2 mi. W. Hwy. 24 [,] on Goblin Valley Road, [,] 26-VII-2012, S.M. Clark; 38° 39.63'N [,] 110° 40.24'W [,] elev.5330 ft.
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Emery Co. [,] 6.2 mi. W. Hwy. 24 [,] on Goblin Valley Road, [,] 26-VII-2013, [,] S.M. Clark & A. J. Henniger; 38° 39.63'N [,] 110° 40.24'W [,] elev.5330 ft.; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC074430
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Emery Co. [,] 6.2 mi. W. Hwy. 24 [,] on Goblin Valley Road, 5330 ft. [,] 38° 39.63'N, 110° 40.24'W [,] 26-VII-2013, M. T. Porter
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC117689
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC117923
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC118093
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC117706
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC118215
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC118059
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC118249
<i>Teleonemia montivaga</i> Drake	BYUC	F	UTAH, Beaver Co., [,] Wah Wah Mountains, [,] Revene Basin, 38.3647°N, [,] 113.5077°W, elev. 1825 m. [,] 23 June, S. M. Clark ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC118259
<i>Teleonemia montivaga</i> Drake	BYUC	M	UTAH, Washington Co., [,] Leeds Creek, [,] near Silver Reef, [,] 37°16'N, 113°22'W, [,] 22-IX-2011, S. M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	ARIZONA, Mohave Co., [,] 2 mi. E Hualapai Mountain [,] Rd. on Rt. 259, [,] 35°09.4'N, [,] 113°53.8'W, elev. 4800 ft, [,] 15-VII-2011, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	ARIZONA, Mohave Co., [,] 2 mi. E Hualapai Mountain [,] Rd. on Rt. 259, [,] 35°09.4'N, [,] 113°53.8'W, elev. 4800 ft, [,] 15-VII-2011, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	M	ARIZONA, Mohave Co., [,] Hualapai Mountain Road, [,] 1.4 mi. SE jct Rt. 259, [,] 35°06'N, 113°54.1'W, [,] 15-VII-2011, S.M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	M	ARIZONA, Gila Co., [,] Jones Water Cmpgd., Hwy. 60, [,] NE of Globe, 33°35.57'N, [,] 110°38.6.1'W, elev. 4170 ft., [,] 17-VIII-2012, S. M. Clark
<i>Teleonemia montivaga</i> Drake	BYUC	F	ARIZONA, Pinal Co., [,] Near Oak Flat Campground [,] east of Superior, 1180 m, [,] 33.3083°N, 111.0586°W, [,] 10-IX-2014, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC100872
<i>Teleonemia montivaga</i> Drake	BYUC	M	ARIZONA, Pinal Co., [,] Near Oak Flat Campground [,] east of Superior, 1180 m, [,] 33.3083°N, 111.0586°W, [,] 10-IX-2014, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC100614
<i>Teleonemia montivaga</i> Drake	BYUC	M	ARIZONA, Pinal Co., [,] Near Oak Flat Campground [,] east of Superior, 1180 m, [,] 33.3083°N, 111.0586°W, [,] 10-IX-2014, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC100683
<i>Teleonemia montivaga</i> Drake	BYUC	M	ARIZONA: Gila Co., East Verde River, Hwy. 87, [,] NW of Payson, 34°18.0'N, [,] 111°21.5'W, elev. 4530 ft., [,] 14-VIII-2012, S. M. Clark
<i>Teleonemia montivaga</i> Drake	CUIC	M	CuymacaMts [,] S. DiegoCo Cal [,] 16Aug1914 [,] J.C.Bradley; Teleonemia [,] montivaga [,] Drake
<i>Teleonemia montivaga</i> Drake	SEMC	M	Coconino Co. [,] Ariz. 7-1-29 [,] P. W. Oman
<i>Teleonemia montivaga</i> Drake	SEMC	F	Coconino Co. [,] Ariz. 7-1-29 [,] P. W. Oman

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia montivaga</i> Drake	SEMC	M	Coconino Co. [,] Ariz. 7-1-29 [,] L. D. Anderson
<i>Teleonemia montivaga</i> Drake	SEMC	M	Atascadero Cal. [,] 7-19-33 [,] R. H. Beamer
<i>Teleonemia montivaga</i> Drake	SEMC	M	Atascadero Cal. [,] 7-19-33 [,] R. H. Beamer
<i>Teleonemia montivaga</i> Drake	SEMC	M	San Diego Co. [,] Calif. 7-4-29 [,] L. D. Anderson
<i>Teleonemia montivaga</i> Drake	SEMC	M	Boulevard Cal [,] 7-26-38 [,] R. H. Beamer
<i>Teleonemia montivaga</i> Drake	SEMC	M	Boulevard Cal [,] 7-26-38 [,] R. H. Beamer
<i>Teleonemia montivaga</i> Drake	TAMU	F	TEXAS: Brewster Co. [,] BBNP, Lost Mine Trail [,] (upper0, 6,000-6,800 ft. [,] 29°16'17"N, 103°16'19"W [,] X-3-2005, Raber & Riley-65
<i>Teleonemia montivaga</i> Drake	UAIC	M	Ariz.: Coch. Co., [,] Mineral Park, 6500' [,] Dos Cabezas Mtns [,] VIII-11-1976 [,] DSChandler ; Sweeping [,] low vegetation
<i>Teleonemia montivaga</i> Drake	UAIC	M	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	M	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	M	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	M	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	Prescott, AZ [,] VII-04-1992; Buckman Flat; Yavapai Co.; Prescott Nat. [,] Forest; Penstemon palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1
<i>Teleonemia montivaga</i> Drake	UAIC	F	San Rita Mt. [,] 7-13-30 [,] E.D.Ball, Ar; Teleonemia [,] belfragii Stål[,] Det JRTB 1937; Teleonemia [,] variegata Champ. [,] Det CAOlsen 84'
<i>Teleonemia montivaga</i> Drake	UIDC	M	CALIF Inyo Co. [,] 7mi W Lone Pine [,] VI-11-1989, on [,] Penstemon, [,] W. F. Barr
<i>Teleonemia montivaga</i> Drake	UIDC	F	CALIF Inyo Co. [,] 7mi W Lone Pine [,] VI-11-1989, on [,] Penstemon, [,] W. F. Barr
<i>Teleonemia montivaga</i> Drake	UIDC	M	CALIF.: Riverside Co. [,] Pinyon Flat For. Ser. Cmpg. [,] V-28-2000 [,] W. F. Barr
<i>Teleonemia montivaga</i> Drake	UIDC	F	6 mi. SE [,] Warner Spr. [,] San Diego Co. [,] CALIF. 111-27-67; Ranunculus; A. R. Gittens [,] Collector
<i>Teleonemia montivaga</i> Drake	UIDC	M	8750' [,] Galena, Ida. [,] Blane Co. [,] VII-22-1962; Penstemon; W. F. Barr [,] Collector
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	M	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] Penstemon sp.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SIERRA CO. [,] Truth or Consequences [,] 33°08.09'N 107°14.05'W [,] 16 June 2005, A. G. Wheeler Jr. [,] <i>Penstemon</i> sp.
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SOCORRO [,] CO., Rt 60, E. of Bernardo [,] 34°25.199'N 106°45.354'W [,] 4 June 2009, A. G. Wheeler Jr. [,] <i>Penstemon ambiguus</i>
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SOCORRO [,] CO., Rt 60, E. of Bernardo [,] 34°25.199'N 106°45.354'W [,] 4 June 2009, A. G. Wheeler Jr. [,] <i>Penstemon ambiguus</i>
<i>Teleonemia montivaga</i> Drake	USNM	F	USA: NM: SOCORRO [,] CO., Rt 60, E. of Bernardo [,] 34°25.199'N 106°45.354'W [,] 4 June 2009, A. G. Wheeler Jr. [,] <i>Penstemon ambiguus</i>
<i>Teleonemia montivaga</i> Drake	WVDA	F	USA, UTAH, UTAH Co. [,] S. Fk. Provo Canyon [,] 1 mi. E Vivian Park [,] 2 July 1997 [,] S. M. Clark ; <i>Teleonemia montivaga</i> [,] Drake [,] Det. A.H.Knudson 2019
<i>Teleonemia montivaga</i> Drake	WVDA	F	USA, UTAH, UTAH Co. [,] S. Fk. Provo Canyon [,] 1 mi. E Vivian Park [,] 2 July 1997 [,] S. M. Clark ; <i>Teleonemia montivaga</i> [,] Drake [,] Det. A.H.Knudson 2019
<i>Teleonemia montivaga</i> Drake	WVDA	F	USA, UTAH, UTAH Co. [,] S. Fk. Provo Canyon [,] 1 mi. E Vivian Park [,] 2 July 1997 [,] S. M. Clark ; <i>Teleonemia montivaga</i> [,] Drake [,] Det. A.H.Knudson 2019
<i>Teleonemia morio</i> (Stål)	BPBM	MF	Brazil [,] m; <i>Teleonemia</i> [,] morio [,] Stal
<i>Teleonemia morio</i> (Stål)	CNC	M	col. on [,] Trunk of [,] anonaceae; Bahia, Brazil [,] Dec. 2, 1939 [,] P. Silva Col.; CNC [,] 1188404; <i>Teleonemia</i> [,] morio [,] (Stal) [,] Det O Monte
<i>Teleonemia morio</i> (Stål)	ISIC	M	Bahia [,] Brazil; <i>Teleonemia</i> [,] morio [,] C. J. D. Stål

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia morio</i> (Stål)	JMLC	F	COSTA RICA: Heredia Prov.: [,] Puerto Viejo de Sarapiquí: La [,] Selva Biological Research Sta. 24-26 August 2010 [,] Coll: J. M. Leavengooft Jr.
<i>Teleonemia morio</i> (Stål)	MZLU	M	Peru: Huanucu, Tocache [,] 2.II.1984 [,] leg. L. Huggert
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775543
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775544
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775545
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775546
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775547
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775548
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775549
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775550
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775551
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775552
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775553
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775554
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775555
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775556
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 775809
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 776424
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 776425
<i>Teleonemia morio</i> (Stål)	OSUC	F	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 776426
<i>Teleonemia morio</i> (Stål)	OSUC	M	PERU, TingoMaria [,] June 30, 1948 [,] E.J.Hambleton; OSUC 776427
<i>Teleonemia morio</i> (Stål)	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley; TAMU-ENTO [,] X0831083
<i>Teleonemia multimaculata</i> Monte	UMRM	M	BOLIVIA: Santa Cruz [,] 3.7 km SSE Buena Viasa [,] 17°29'S 63°33'W; 12 V 2004 [,] coll: A. Cline; MV & blacklight
<i>Teleonemia nigrina</i> Champion	UAIC	M	Marion Co. [,] ark 7 10; E. D. Ball; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Det. Drake Champ.
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. KANSAS, Sedgewick [,] Co.; Pawnee Prairie Park, [,] Tyler Rd. Wichita; [,] 37.645286, -97.448060 [,] 2-VI-2017 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. KANSAS, Sedgewick [,] Co.; Pawnee Prairie Park, [,] Tyler Rd. Wichita; [,] 37.645286, -97.448060 [,] 2-VI-2017 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	F	U.S.A. KANSAS, Sedgewick [,] Co.; Pawnee Prairie Park, [,] Tyler Rd. Wichita; [,] 37.645286, -97.448060 [,] 2-VI-2017 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	F	U.S.A. TEXAS, Brewster Co. [,] Terlingua Ranch, [,] Terlingua Ranch Rd. UV [,] 29.450909, -103.395169 [,] 27-VI-2017 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. TEXAS, Jeff Davis Co. [,] Tx. Hwy 118, 3.9 mi [,] W. of Davis Mts. St. Park [,] 30.606144, 103.395169 [,] 24-25-VI-2017 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	M	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	F	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	F	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	AJSC	F	U.S.A. TEXAS, Duval Co., TX. [,] Hwy-339, 29 mi NW of [,] Benavides, A & H Ranch [,] 27.629204, -98.442303 (site AH-4) [,] 12-IV-2018 Col. A.J.Schmitz
<i>Teleonemia nigrina</i> Champion	BYUC	M	D. Elden Beck [,] Collector; Eagle Pass [,] Texas
<i>Teleonemia nigrina</i> Champion	BYUC	F	WYOMING, Unita Co. [,] Evanston, [,] 41°15.6'N 110°58.7'W [,] elev. 6970 ft. [,] 21-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS, Bandera [,] Bear Creek, [,] 7 miles ENE Bandera, [,] 4 May 1999, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	OKLAHOMA, Choctaw Co. [,] 7.5 mi. S. Antlers [,] Indian Nation Turnpike [,] 34.121°N, 95.579°W, [,] 31-V-2007, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	OKLAHOMA, [,] Comanche Co. [,] 0.75 mi. SE Medicine Park, [,] 34.723°N, 98.489°W, [,] 6-VI-2007, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	OKLAHOMA, [,] Comanche Co. [,] 0.75 mi. SE Medicine Park, [,] 34.723°N, 98.489°W, [,] 6-VI-2007, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	MF	OKLAHOMA, [,] Comanche Co. [,] 0.75 mi. SE Medicine Park, [,] 34.723°N, 98.489°W, [,] 6-VI-2007, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS, Brazos Co. [,] Peach Creek Road, [,] near Lick Creek, [,] 30.549°N, 96.488°W, [,] 27-V-2007, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Jeff Davis Co. [,] Davis Mountains Preserve, [,] off Hwy 118, Madera Canyon [,] 30°41'N 104°07'W; walk to 48 Tank [,] 29-30 June 1999 [,] C. R. Nelson & class
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Val Verde Co. [,] Devils River below Dolan Falls [,] walk to polymorphic oaks [,] 29°52'21"N 100°59'31"W; 10 June 1999 [,] C. R. Nelson #6956
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Val Verde Co. [,] Devils River below Dolan Falls [,] walk to polymorphic oaks [,] 29°52'21"N 100°59'31"W; 10 June 1999 [,] C. R. Nelson #6956
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Val Verde Co. [,] Devils River below Dolan Falls [,] walk to polymorphic oaks [,] 29°52'21"N 100°59'31"W; 10 June 1999 [,] C. R. Nelson #6956
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Val Verde Co. [,] Devils River below Dolan Falls [,] walk to polymorphic oaks [,] 29°52'21"N 100°59'31"W; 10 June 1999 [,] C. R. Nelson #6956
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Val Verde Co. [,] Devils River below Dolan Falls [,] walk to polymorphic oaks [,] 29°52'21"N 100°59'31"W; 10 June 1999 [,] C. R. Nelson #6956
<i>Teleonemia nigrina</i> Champion	BYUC	M	Sweeping in Cemetary at [,] One mile SE of Moore in [,] East Frio County, TEXAS [,] on March the 15th, 1986 [,] S. J. Hanselmann, Coll.
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: NW Bexar County [,] 2 mi. North of Helotas [,] along Scenic Look Road [,] on April the 6th, 1982 [,] D.E. & S. J. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Travis Co. [,] Austin, Blackenridge Field [,] Laboratory [,] 30°17'03"N 97°46'41"W [,] 17 June 1999 [,] C. R. Nelson #6964 & class
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Moore Co. [,] Weymouth Woods Preserve [,] 35.1496°N, 79.3696°W, [,] 15-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Moore Co. [,] Weymouth Woods Preserve [,] 35.1496°N, 79.3696°W, [,] 15-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS, Williamson Co., [,] Rt. 138 at Rt. 222, [,] W. of Florence, 30°50.6'N [,] 97°52.5'W, 6-V-2002, [,] S. M. Clark & D. J. Cavan

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Cumberland Co., [,] 3 mi. E. Hope Mills, [,] 34.9669°N, 78.8930°W, [,] 14-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Cumberland Co., [,] 3 mi. E. Hope Mills, [,] 34.9669°N, 78.8930°W, [,] 14-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Cumberland Co., [,] 3 mi. E. Hope Mills, [,] 34.9669°N, 78.8930°W, [,] 14-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Cumberland Co., [,] 3 mi. E. Hope Mills, [,] 34.9669°N, 78.8930°W, [,] 14-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NORTH CAROLINA, [,] Cumberland Co., [,] 3 mi. E. Hope Mills, [,] 34.9669°N, 78.8930°W, [,] 14-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	NEVADA, Clark Co. [,] 6km E. Whitney Pockets, [,] 36.5319°, 114.0711°W, [,] 16-V-2015, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC080592
<i>Teleonemia nigrina</i> Champion	BYUC	M	NEVADA, Lincoln Co. [,] Bever Dam State Park, [,] 37.5129°, 114.0808°W, [,] elev. 1600m, 25 June 2014, [,] S. M. Clark & R. L. Westcott ; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC121079
<i>Teleonemia nigrina</i> Champion	BYUC	M	ARIZONA, Yavapai Co. [,] 1 mi. E. Highway I-17, [,] 34.764°N, 111.633°W, [,] 29-IX-2017
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Erath Co., [,] 3 mi. S. Morgan Mill [,] 32°20'N 98°10'W, [,] 2-V-2002, S. M. Clark [,] and D. J. Cavan
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Brewster County [,] 15 miles W of Marathon [,] along US Highway #90, [,] on April the 23rd, 1989 [,] F. Flieg & S. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Brewster County [,] 15 miles W of Marathon [,] along US Highway #90, [,] on April the 23rd, 1989 [,] F. Flieg & S. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS: Brewster County [,] 15 miles W of Marathon [,] along US Highway #90, [,] on April the 23rd, 1989 [,] F. Flieg & S. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Brewster County [,] 15 miles W of Marathon [,] along US Highway #90, [,] on April the 23rd, 1989 [,] F. Flieg & S. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Brewster County [,] 15 miles W of Marathon [,] along US Highway #90, [,] on April the 23rd, 1989 [,] F. Flieg & S. Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Kendall County [,] in the city of Boerne [,] Herff Park Fair Grounds [,] on July the 1st, 1984 [,] DE, JR & SJ Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS: Kendall County [,] One mile E of Boerne, [,] Herff Park, Cicolo Ck.[,] on April the 10th, 1983 [,] DE, S.J. Hanselmann, coll.
<i>Teleonemia nigrina</i> Champion	BYUC	M	TEXAS, Anderson Co., [,] Gus Engeling Wildlife [,] Management Area, [,] 4-V-2002, S. M. Clark [,] & E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Whichita Co. [,] Burkburnett, near Red River, [,] 6-VI-2007 [,] S. M. Clark & E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Whichita Co. [,] Burkburnett, near Red River, [,] 6-VI-2007 [,] S. M. Clark & E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Mason Co., [,] Hwy. 29, Near Honey Creek, [,] 30°40'N 99°20'W, [,] 6-V-2002, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Mason Co., [,] Hwy. 29, Near Honey Creek, [,] 30°40'N 99°20'W, [,] 6-V-2002, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	USA: TEXAS: Val Verde Co. [,] Devils River, Dolan Falls [,] N29.88441° W 100.99397°[,] 10-12 June 1994, elev. 414m [,] C. R. Nelson #6100 & family [,] Malaise Trap
<i>Teleonemia nigrina</i> Champion	BYUC	F	TEXAS, Leon Co. [,] near Oakwood [,] 31°34'N 95°51.6'W, [,] 4-V-2002, S. M. Clark [,] and E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	M	ARIZONA, Santa Cruz Co. [,] Lower Thumb Rock Picnic [,] Area, near Peñ a Blanca Lake, [,] 15-VII-2012, S. M. Clark; 31°24'N, [,] 111°5.5'W [,] elev. 3930 ft.
<i>Teleonemia nigrina</i> Champion	BYUC	F	NEVADA, Clark Co. [,] 6km E. Whitney Pockets, [,] 36.5319°, 114.0711°W, [,] 16-V-2015, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC080289
<i>Teleonemia nigrina</i> Champion	BYUC	M	NTS Cane Spr. [,] Nye Co. Nev. [,] 7-27-68; R. R. Walker

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	BYUC	F	NTS Cane Spr. [,] Nye Co. Nev. [,] 7-27-68; R. R. Walker
<i>Teleonemia nigrina</i> Champion	BYUC	M	KANSAS, Wilson Co., [,] 3.8 mi. E. Fredonia, Hwy. 17. [,] 37.530°N, 95.736°W, [,] 3-VI-2007, [,] S. M. Clark & E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	M	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	LOUISIANA, Caddo Par. [,] Shreveport, [,] 32°29.4'N 93°45.2'W, [,] 29-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	LOUISIANA, [,] Natchitoches Parish, [,] Campti, [,] 31°52.9'N 93°03.8'W, [,] 30-X-2011, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	OKLAHOMA, Alfalfa Co., [,] 5.8 mi. E. Ingersoll, [,] 36.797°N, 98.286°W, [,] 5-VI-2007 [,] S. M. Clark & E. G. Riley
<i>Teleonemia nigrina</i> Champion	BYUC	F	OKLA., Wilson [,] 3mi W CarterCo [,] 27 June 1968 [,] Don. R. Harris
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	BYUC	F	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	F	SOUTH CAROLINA, [,] Fairfield Co., [,] 2 mi. NW Winnsboro, [,] 34.3995°N, 81.1198°W, [,] 12-VI-2013, S. M. Clark
<i>Teleonemia nigrina</i> Champion	BYUC	M	ALABAMA, Bibb Co., [,] 16 km, NE Centerville, [,] Bibb County Glades Pres., [,] 33.0585°N, 87.0393°W, [,] 7-VI-2014, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC108106
<i>Teleonemia nigrina</i> Champion	BYUC	M	ALABAMA, Dallas Co., [,] Old Cahawba Prairie Tract, [,] 2 km W. of Old Cahawba, [,] 32.3154°N, 87.1260°W, [,] 7 June 2014, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC115092
<i>Teleonemia nigrina</i> Champion	BYUC	F	Box Canyon Road NW of [,] Madera Canyon, Santa Rita [,] Mtns., Pima Co., ARIZONA [,] on July 18th, 1985 [,] S. Jay Hanselmann
<i>Teleonemia nigrina</i> Champion	BYUC	M	One mile West of I 35 [,] on State Hwy #57 near [,] Moore on Frio County, [,] TEXAS April 26th, 1985 [,] S. Jay Hanselmann, coll
<i>Teleonemia nigrina</i> Champion	BYUC	M	One mile West of I 35 [,] on State Hwy #57 near [,] Moore on Frio County, [,] TEXAS April 26th, 1985 [,] S. Jay Hanselmann, coll
<i>Teleonemia nigrina</i> Champion	BYUC	F	One mile West of I 35 [,] on State Hwy #57 near [,] Moore on Frio County, [,] TEXAS April 26th, 1985 [,] S. Jay Hanselmann, coll
<i>Teleonemia nigrina</i> Champion	BYUC	F	One mile West of I 35 [,] on State Hwy #57 near [,] Moore on Frio County, [,] TEXAS April 26th, 1985 [,] S. Jay Hanselmann, coll
<i>Teleonemia nigrina</i> Champion	CNC	M	Kerrville, TEX. [,] April 20 1959 [,] Becker & Howden; CNC [,] 1188440
<i>Teleonemia nigrina</i> Champion	CNC	F	Bastrop State Park [,] TEX. Apr.6-7, '59 [,] Bottimer, Mason 7 [,] McAlpine, Light; CNC [,] 1188439
<i>Teleonemia nigrina</i> Champion	CNC	M	Bastrop State Park [,] TEX. Apr.6-7, '59 [,] Bottimer, Mason 7 [,] McAlpine, Light; CNC [,] 1188438
<i>Teleonemia nigrina</i> Champion	CNC	F	Canadian R., [,] Logan, N.M. [Eter] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188543
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188529
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188530
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188566
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188565
<i>Teleonemia nigrina</i> Champion	CNC	I	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188521
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188519
<i>Teleonemia nigrina</i> Champion	CNC	F	Williams, Ariz [,] Aug. 4, 1917. [,] H. H. Knight ; CNC [,] 1188461; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Det. Drake Champ.
<i>Teleonemia nigrina</i> Champion	CNC	M	Kerrville, TEX. [,] April 14 1959 [,] Becker & Howden; Ondesertwillow [,] (<i>Chilopsis</i> [,] <i>linearis</i>); CNC [,] 1188420
<i>Teleonemia nigrina</i> Champion	CNC	F	Kerrville, TEX. [,] April 17 1959 [,] W. R. M. Mason; CNC [,] 1188421
<i>Teleonemia nigrina</i> Champion	CNC	F	Kerrville, TEX. [,] April 17 1959 [,] J. F. McAlpine; swept ex [,] meadow; CNC [,] 1188422
<i>Teleonemia nigrina</i> Champion	CNC	F	Kerrville, TEX. [,] April 17 1959 [,] J. F. McAlpine; swept ex [,] meadow; CNC [,] 1188423
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex [,] 5/6 1952 [,] L J Bottimer; CNC [,] 1188424
<i>Teleonemia nigrina</i> Champion	CNC	M	Brownsville [,] 9/20/47 Tex [,] LJBottimer; CNC [,] 1188425
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex [,] 5/5 1952 [,] L J Bottimer; CNC [,] 1188427
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex [,] 5/5 1952 [,] L J Bottimer; CNC [,] 1188428
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex [,] 4/30 1952 [,] L J Bottimer; CNC [,] 1188429

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex [,] 6/6 1955 [,] L J Bottimer; Fresh-In [,] solvent [,] 2 days; CNC [,] 1188430
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188431
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188432
<i>Teleonemia nigrina</i> Champion	CNC	F	Brownsville, Tex. [,] 9-21-1947 [,] L. J. Bottimer; CNC [,] 1188433
<i>Teleonemia nigrina</i> Champion	CNC	F	Big Bend N. P. TEX. [,] Santa Elena Can. [,] 2100 ft. May 9 [,] W. R. M. Mason 1959; CNC [,] 1188434
<i>Teleonemia nigrina</i> Champion	CNC	M	Big Bend Nat. Pk. [,] TEXAS, Oak Spring [,] 4000 ft. 1 May 1959 [,] Howden & Becker; CNC [,] 1188435
<i>Teleonemia nigrina</i> Champion	CNC	F	Big Bend Nat. Pk. [,] TEXAS, Boquillas [,] 1850' May 13 1959 [,] Howden & Becker; Collected [,] at light; CNC [,] 1188436
<i>Teleonemia nigrina</i> Champion	CNC	M	Big Bend Nat. Pk. [,] TEXAS, Boot Spring [,] 7000 ft. May 18, 1959 [,] Howden & Becker; CNC [,] 1188437
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400400 [,] BOLD Proc ID: CNCHB039-11
<i>Teleonemia nigrina</i> Champion	CNC	M	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188441
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188442
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188443
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188444
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188445
<i>Teleonemia nigrina</i> Champion	CNC	M	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188446
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188447
<i>Teleonemia nigrina</i> Champion	CNC	F	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188448
<i>Teleonemia nigrina</i> Champion	CNC	M	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188449
<i>Teleonemia nigrina</i> Champion	CNC	M	Montoya, N. M. [,] 26 May 1964 [,] L. A. Kelton; CNC [,] 1188450
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188467
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188468
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188469
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188470
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188471
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188472
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188473
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188474
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188475
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188476
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188477
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188478
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188479

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188480
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188481
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188482
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188483
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188484
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188485
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188486
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188494
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188495
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-29-1947 [,] L. J. Bottimer; CNC [,] 1188496
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188502
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188503
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188504
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188505
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188507
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188508
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188509
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188510
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 5-24-1947 [,] L. J. Bottimer; Plantago; CNC [,] 1188532
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188497
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188498
<i>Teleonemia nigrina</i> Champion	CNC	I	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188499
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188506
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188511
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188512
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188513
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188514
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188515
<i>Teleonemia nigrina</i> Champion	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188516
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188517
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188520
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188528
<i>Teleonemia nigrina</i> Champion	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Verbena; CNC [,] 1188531

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	CNC	M	1mi. S. Palmillas, [,] Queretaro, Mex. [,] Aug. 31, 1958 [,] H. F. Howden; CNC [,] 1188571
<i>Teleonemia nigrina</i> Champion	CNC	M	Aiken, S. C. [,] 12 VI.1957 [,] J. R. Vockeroth; CNC [,] 1188564
<i>Teleonemia nigrina</i> Champion	CNC	F	Aiken, S. C. [,] 12 VI.1957 [,] J. R. Vockeroth; CNC [,] 1188568
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188500
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188501
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188540
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188541
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188542
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188544
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] 6-25-1956 [,] L. J. Bottimer; Snapdragon; CNC [,] 1188545
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188533
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188534
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188536
<i>Teleonemia nigrina</i> Champion	CNC	M	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188538
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188546
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188547
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188548
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188549
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188550
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188551
<i>Teleonemia nigrina</i> Champion	CNC	F	SPOUTS [,] SPRINGS [,] NC. 2X49; CNC [,] 1188567
<i>Teleonemia nigrina</i> Champion	CNC	M	Los Olmos Creek [,] x U.S. 77, Tex. May 31, [,] 1954 H. F. Howden; CNC [,] 1188560
<i>Teleonemia nigrina</i> Champion	CNC	M	Aiken, S. C. [,] 24-VIII-1957 [,] W. R. Richards; CNC [,] 1188555
<i>Teleonemia nigrina</i> Champion	CNC	F	Aiken, S. C. [,] 24-VIII-1957 [,] W. R. Richards; CNC [,] 1188556
<i>Teleonemia nigrina</i> Champion	CNC	M	24 mi. W. La Cuidad [,] Dgo.MEX. 7000' [,] 16 June 1964 [,] L. A. Kelton; CNC [,] 1188601
<i>Teleonemia nigrina</i> Champion	CNC	F	24 mi. W. La Cuidad [,] Dgo.MEX. 7000' [,] 16 June 1964 [,] L. A. Kelton; CNC [,] 1188602
<i>Teleonemia nigrina</i> Champion	CNC	M	24 mi. W. La Cuidad [,] Dgo.MEX. 7000' [,] 16 June 1964 [,] L. A. Kelton; CNC [,] 1188603
<i>Teleonemia nigrina</i> Champion	CNC	M	5mi.S.Monterrey, [,] N. L. Mex. VII 17, 1963 [,] H. F. Howden; CNC [,] 1188604
<i>Teleonemia nigrina</i> Champion	CNC	M	24 mi. W. La Cuidad [,] Dgo.MEX. 7000' [,] 16 June 1964 [,] L. A. Kelton; CNC [,] 1188605
<i>Teleonemia nigrina</i> Champion	CNC	F	24 mi. W. La Cuidad [,] Dgo.MEX. 7000' [,] 16 June 1964 [,] L. A. Kelton; CNC [,] 1188606
<i>Teleonemia nigrina</i> Champion	CNC	M	5mi.S.Monterrey, [,] N. L. Mex. VII 19, 1963 [,] H. & A. Howden; CNC [,] 1188608
<i>Teleonemia nigrina</i> Champion	CNC	M	Cerrito,20mi. S.E. [,] Saltillo, Coah. Mex. [,] VII. 18 .1963 [,] H. & A. Howden; CNC [,] 1188609
<i>Teleonemia nigrina</i> Champion	CNC	M	San Juan Del Rio [,] 10 Mi.E. Queretaro [,] Mex. 30-VII-1964 [,] J. G. Chillcott; CNC [,] 1188651

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	CNC	F	Cuidad Del Maiz [,] 5 Mi. NE., 4500' [,] S. L. P. Mexico [,] 22-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188667
<i>Teleonemia nigrina</i> Champion	CNC	F	Cuidad Del Maiz [,] 5 Mi. NE., 4500' [,] S. L. P. Mexico [,] 22-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188668
<i>Teleonemia nigrina</i> Champion	CNC	M	Cuidad Del Maiz [,] 5 Mi. NE., 4500' [,] S. L. P. Mexico [,] 22-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188659
<i>Teleonemia nigrina</i> Champion	CNC	M	Mexico City, 16 [,] Mi. S. 7400' D. F. [,] Mex. 3-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188656
<i>Teleonemia nigrina</i> Champion	CNC	F	Mexico City, 16 [,] Mi. S. 7400' D. F. [,] Mex. 3-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188658
<i>Teleonemia nigrina</i> Champion	CNC	M	San Juan Del Rio [,] 10 Mi.E. Queretaro [,] Mex. 30-VII-1964 [,] J. G. Chillcott; CNC [,] 1188654
<i>Teleonemia nigrina</i> Champion	CNC	M	San Juan Del Rio [,] 10 Mi.E. Queretaro [,] Mex. 30-VII-1964 [,] J. G. Chillcott; CNC [,] 1188655
<i>Teleonemia nigrina</i> Champion	CNC	M	23 mi. W. Durango [,] Dgo. MEX. 7500' [,] 23 July 1964 [,] L. A. Kelton; CNC [,] 1188597
<i>Teleonemia nigrina</i> Champion	CNC	F	23 mi. W. Durango [,] Dgo. MEX. 7500' [,] 23 July 1964 [,] L. A. Kelton; CNC [,] 1188598
<i>Teleonemia nigrina</i> Champion	CNC	F	9 mi. W. La Ciudad [,] Dgo. MEX. 9000' [,] 5-VI-1964 [,] L. A. Kelton; CNC [,] 1188583
<i>Teleonemia nigrina</i> Champion	CNC	F	Rio Yagui, 12mi. W. [,] Cd. Obregon, Son. MEX. [,] 15.V.1961 [,] Howden & Martin; CNC [,] 1188592
<i>Teleonemia nigrina</i> Champion	CNC	F	Rio Yagui, 12mi. W. [,] Cd. Obregon, Son. MEX. [,] 15.V.1961 [,] Howden & Martin; CNC [,] 1188593
<i>Teleonemia nigrina</i> Champion	CNC	M	Rio Yagui, 12mi. W. [,] Cd. Obregon, Son. MEX. [,] 15.V.1961 [,] Howden & Martin; CNC [,] 1188594
<i>Teleonemia nigrina</i> Champion	CNC	F	Rio Yagui, 12mi. W. [,] Cd. Obregon, Son. MEX. [,] 15.V.1961 [,] Howden & Martin; CNC [,] 1188595
<i>Teleonemia nigrina</i> Champion	CNC	F	Rio Yagui, 12mi. W. [,] Cd. Obregon, Son. MEX. [,] 15.V.1961 [,] Howden & Martin; CNC [,] 1188596
<i>Teleonemia nigrina</i> Champion	CNC	M	Ben Bolt, Texas [,] 16 - VII - 1954 [,] J. G. Chillcott; CNC [,] 1188652
<i>Teleonemia nigrina</i> Champion	CNC	M	Pachuca, 1700' [,] Hidalgo, Mex. [,] 29-VII-1954 [,] J. G. Chillcott; CNC [,] 1188665
<i>Teleonemia nigrina</i> Champion	CNC	F	Irapuato 6 Mi. N., [,] 6000' Guanajunto [,] Mex. 19-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188666
<i>Teleonemia nigrina</i> Champion	CNC	F	KerrvilleTex [,] 5/5 1952 [,] L J Bottimer; CNC [,] 1188426
<i>Teleonemia nigrina</i> Champion	CNC	M	Xilitla 14 Mi. W., [,] 4200' S. L. P. Mexico. [,] 22-VII 1954 [,] J. G. Chillcott; CNC [,] 1188653
<i>Teleonemia nigrina</i> Champion	CNC	F	Xilitla 20 Mi. W., [,] 5300' S. L. P. Mexico. [,] 22-VII 1954 [,] J. G. Chillcott; CNC [,] 1188669
<i>Teleonemia nigrina</i> Champion	CNC	F	Taxco, 8 Mi. NE., [,] 5450' Guerrero [,] Mex. 8-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188671
<i>Teleonemia nigrina</i> Champion	CNC	M	Jalostitlan 6 Mi. [,] NE., 6200' Jalisco [,] Mex. 20-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188657
<i>Teleonemia nigrina</i> Champion	CNC	F	Jalostitlan 6 Mi. [,] NE., 6200' Jalisco [,] Mex. 20-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188672
<i>Teleonemia nigrina</i> Champion	CNC	I	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188522
<i>Teleonemia nigrina</i> Champion	CNC	I	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188523
<i>Teleonemia nigrina</i> Champion	CNC	I	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; CNC [,] 1188524
<i>Teleonemia nigrina</i> Champion	CSUC	M	LaRIMER Co, CO [,] 29 AUG 2018 [,] G. MoreNo [,] Lions Park [,] off Overland Trail
<i>Teleonemia nigrina</i> Champion	CSUC	F	Riley Co. KS [,] 31 July 2018 [,] A. Kuhl et al., Knoza [,] Prairie Biol Stn [,] Transect N04d
<i>Teleonemia nigrina</i> Champion	CSUC	F	Crook Co., WY [,] 16 July 1997 [,] B. Kondratieff [,] Whitelaw Cr. Rd 351
<i>Teleonemia nigrina</i> Champion	CSUC	F	ARIZONA: Pima Co. [,] Tucson 11 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	F	ARIZONA: Pima Co. [,] Tucson 5 May 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	M	ARIZONA: Pima Co. [,] Tucson 30 Apr 1986 [,] Werner and Jenkins [,] malaise trap

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	CSUC	M	ARIZONA: Pima Co. [,] Tucson 10 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	F	ARIZONA: Pima Co. [,] Tucson 4-6 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	M	ARIZONA: Pima Co. [,] Tucson 29 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	M	ARIZONA: Pima Co. [,] Tucson 25-27 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	F	ARIZONA: Pima Co. [,] Tucson 25-27 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CSUC	M	ARIZONA: Pima Co. [,] Tucson 24 Apr 1986 [,] Werner and Jenkins [,] malaise trap
<i>Teleonemia nigrina</i> Champion	CUIC	M	MEX: Puebla Cholula [,] Trailer Park Las [,] Americas [,] 16 Sept. 1980 [,] S. W. Nichols, coll.
<i>Teleonemia nigrina</i> Champion	CUIC	F	MEX: Puebla Cholula [,] Trailer Park Las [,] Americas [,] 16 Sept. 1980 [,] S. W. Nichols, coll.
<i>Teleonemia nigrina</i> Champion	DARC	M	TX: Cameron Co. Vicinity of [,] Southmost, 6-7-X-1984, D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: Tangipahoa Par [,] 1 m. S Hwy 1048 on [,] I-55, 28-VI-1984, [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 15-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: BATON ROUGE [,] EAST B. R. PARISH [,] 18-IX-1982 [,] Coll. D. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	LA: Baton Rouge [,] East B. R. Parish [,] 31-X-1982 [,] Coll. D. A. Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	MS: Yazoo Co. [,] 2 m. S Hwy 432 [,] on I-55 9-VIII-[.] 1984 D A Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	MS: Yazoo Co. [,] 2 m. S Hwy 432 [,] on I-55 9-VIII-[.] 1984 D A Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	MS: Yazoo Co. [,] 2 m. S Hwy 432 [,] on I-55 9-VIII-[.] 1984 D A Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	MS: Yazoo Co. [,] 2 m. S Hwy 432 [,] on I-55 9-VIII-[.] 1984 D A Rider; D. A. Rider [,] Collection

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	DARC	F	MS: Yazoo Co. [,] 2 m. S Hwy 432 [,] on I-55 9-VIII-[.] 1984 D A Rider; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TEX: Hidalgo Co. [,] Santa Ana Nat. Wdlf. [,] Refuge, V-2-87: E. G. [,] Riley & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TX: San Patricio Co. [,] Portland Causeway [,] III-27-1986 [,] Coll. E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	M	TEX: Brooks Co. [,] 1 mi. S Falfurrias [,] Oct. 3, 1986: E. [,] Riley & J. Negrón; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	DARC	F	TX: San Patricio [,] Co., Sinton [,] III-27-1986 [,] Coll.E.G.Riley; D. A. Rider [,] Collection
<i>Teleonemia nigrina</i> Champion	EMEC	F	NEV: Lehman Cr. [,] nr. Lehman Caves [,] Nat. Mon., White [,] Pine Co. VI-24-66; W. Gange [,] J. Haddock [,] collectors; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A. H. Knudson 2020; EMEC [,] 1252422
<i>Teleonemia nigrina</i> Champion	EMEC	F	Guernw'd [,] Pk. 8 4 29; Sonoma Co, [,] Calif.; RLUsinger; EMEC [,] 1252421
<i>Teleonemia nigrina</i> Champion	INHS	F	Tex.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,240
<i>Teleonemia nigrina</i> Champion	INHS	F	Tex.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,237
<i>Teleonemia nigrina</i> Champion	INHS	F	Tex.; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,236
<i>Teleonemia nigrina</i> Champion	INHS	F	H. Springs [,] 3/6.Ark; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,252
<i>Teleonemia nigrina</i> Champion	INHS	F	H. Springs [,] 3/6.Ark; ANDREAS [,] BOLTER [,] COLLECTION; grossa [,] Uhl. ; Genus [,] <i>Teleonemia</i> [,] Costa; INHS [,] Insect Collection [,] 771,259
<i>Teleonemia nigrina</i> Champion	INHS	M	Wolf Lake, Ill. [,] VIII-2-1939 [,] Coll. H. L. Dozier; INHS [,] Insect Collection [,] 768,005
<i>Teleonemia nigrina</i> Champion	JMLC	M	TEXAS: Uvalde Co.: 8 mi [,] East of Sabinal VI-2004 [,] Coll: JM Leavengood Jr.
<i>Teleonemia nigrina</i> Champion	JMLC	F	TEXAS: Uvalde County: [,] Knippa IV-2004 [,] Coll: J Wappes/E Nearn [,] & JM Leavengood Jr
<i>Teleonemia nigrina</i> Champion	JMLC	F	USA: Texas: Dimmit County [,] HWY 393 1 mile NW of US 277 [,] sweep samples on Asteraceae [,] E. Nearn, J. Leavengood & J. [,] Wappes 4/17/04
<i>Teleonemia nigrina</i> Champion	JMLC	M	TEXAS: Duval County: Hyw 16, 0.5mi N 2359, [,] J. M. Leavengood, Jr.. & [,] J. E. Wappes 27-IV-2013
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 4; JBNorton [,] RileyCoKs; Ac. 1316 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 25; E. E. Faville [,] RileyCoKs; Ac. 2660 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Jul 25; RileyCoKs [,] GADean; Ac. 2084 [,] Sp.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Aug 27; RileyCoKs [,] GADean
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 29; E. E. Faville [,] RileyCoKs
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 29; E. E. Faville [,] RileyCoKs
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 29; E. E. Faville [,] RileyCoKs
<i>Teleonemia nigrina</i> Champion	KSUC	M	Sep 29; E. E. Faville [,] RileyCoKs
<i>Teleonemia nigrina</i> Champion	KSUC	F	Sep 29; E. E. Faville [,] RileyCoKs
<i>Teleonemia nigrina</i> Champion	KSUC	M	Aug 11; RileyCoKs [,] JBNorton
<i>Teleonemia nigrina</i> Champion	KSUC	M	R. H. Painter [,] Coll.; June 10; R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Brownwood [,] Tex.; June 10; R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Brownwood [,] Tex.; June 10; R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Brownwood [,] Tex.; June 17; R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Manhattan, Ks [,] 8 Sept. 1939; D. A. Wilbur [,] Coll.; Plot B; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champ. [,] Det. HGBerber
<i>Teleonemia nigrina</i> Champion	KSUC	M	7-4. [,] 1929. ; F. F. Crevecoeur [,] Collector; Onaga, Ks. [,] Crevecoeur
<i>Teleonemia nigrina</i> Champion	KSUC	F	MEXICO: 16 mi W [,] LINARES N. L. [,] 23 APR 1966; R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	M	Mexico: 38 mi SE [,] Puebla, Pue. [,] 21 Sep 1968 [,] RH & EM Painter
<i>Teleonemia nigrina</i> Champion	KSUC	M	Mexico: 18mi SW [,] Santa Catarina, J. L [,] 7 April 1966 [,] RH & EM Painter
<i>Teleonemia nigrina</i> Champion	KSUC	F	MEXICO: 12 mi. W [,] Morelia, Mich. [,] 6700 ft. 25 VIII-68 [,] RH&EM Painter
<i>Teleonemia nigrina</i> Champion	KSUC	M	Schoole N. Mex. [,] 17-VII-30; T. F. Winburn [,] R. H. Painter [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	F	TEXAS: 12mi S. [,] Hallettsville [,] 27 APR 1966
<i>Teleonemia nigrina</i> Champion	KSUC	M	OKLA:Grady Co. [,] Chickasha Exit-140 [,] 16 Jun 1979 [,] R. A. Sweet & RJ Sauer
<i>Teleonemia nigrina</i> Champion	KSUC	M	OKLA:Grady Do. [,] Chickasha Exit-140 [,] 16 Jun 1979 [,] R. A. Sweet & RJ Sauer
<i>Teleonemia nigrina</i> Champion	KSUC	F	OKLA:Grady Co. [,] Chickasha Exit-140 [,] 16 Jun 1979 [,] R. A. Sweet & RJ Sauer
<i>Teleonemia nigrina</i> Champion	KSUC	F	Grazed Pasture [,] OKLAHOMA: Osage Co. [,] IBP Comprehensive Site [,] 7/6/1972; Coll. HDBlocker & RCReed
<i>Teleonemia nigrina</i> Champion	KSUC	M	KANSAS [,] Ness Co. [,] 7 IX 65; Coll Sandy [,] soil [,] HD Blocker
<i>Teleonemia nigrina</i> Champion	KSUC	F	Manhattan, Ks [,] Oct.. 1935; H. M. Smith [,] Coll.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	KSUC	F	KANSAS-Reno Co. [,] Sandy Soil ; Coll 7 IX 65 [,] HD Blocker
<i>Teleonemia nigrina</i> Champion	KSUC	F	KANSAS: Riley Co. [,] 30 Apr 1967 [,] 4a' suc trap-KSU
<i>Teleonemia nigrina</i> Champion	KSUC	M	Roger C. Smith [,] Coll.; From Sanpdragons [,] College formal gardens [,] July, 1940 July 25
<i>Teleonemia nigrina</i> Champion	KSUC	M	Roger C. Smith [,] Coll.
<i>Teleonemia nigrina</i> Champion	KSUC	F	Roger C. Smith [,] Coll.
<i>Teleonemia nigrina</i> Champion	LSAM	F	USA: LA: E. Baton Rouge Par. [,] S. Choctaw Dr. & Foxlane Dr. [,] 30°47'N 91°02'W [,] sweep net, field with asters [,] 2-Apr-2015. coll. H. Shult
<i>Teleonemia nigrina</i> Champion	LSAM	M	Baton Rouge [,] La. 13-VIII-1975; T. M. Andrews [,] Collector
<i>Teleonemia nigrina</i> Champion	LSAM	F	Baton Rouge [,] La. 13-VIII-1975; T. M. Andrews [,] Collector
<i>Teleonemia nigrina</i> Champion	LSAM	F	CORBIN [,] LA. VII-17-1967 [,] LIESEL KLENK
<i>Teleonemia nigrina</i> Champion	LSAM	F	USA: LA: E. Baton Rouge Par. [,] Baton Rouge Burdin [,] Research Center, 4560 Essen [,] Lane, 18 April, 2011. L. [,] Eisenberg sweeping mixed [,] forbs and grasses; Tingidae [,] Det. L. Eisenberg [,] 2011
<i>Teleonemia nigrina</i> Champion	LSAM	M	LA: St. Tammany [,] Par. LA Hwy. 437 [,] & Simalusa Cr. [,] 13 - IV - 1981; C. B. Barr [,] Collector; Sweeping [,] Trifolium [,] incarnatum L.
<i>Teleonemia nigrina</i> Champion	LSAM	M	VERMILLION PARISH [,] LA> 1-V-1980; W. J. Puissegur [,] Collector
<i>Teleonemia nigrina</i> Champion	LSAM	M	USA: LA: W. Feliciana Par. [,] Feliciana Preserve [,] 30.794731, -91.254032 [,] 9 April 2016, sweep net [,] Col. K. Tamborello
<i>Teleonemia nigrina</i> Champion	LSAM	M	TEXAS: Zapata County [,] Falcon St. Rec. Area [,] 5-V-1983, C. B. Barr
<i>Teleonemia nigrina</i> Champion	LSAM	M	Williams Ariz. [,] Aug. 10 1937 [,] H. M. Harris
<i>Teleonemia nigrina</i> Champion	LSAM	M	Williams Ariz. [,] Aug. 10 1937 [,] H. M. Harris; LSAM [,] 0297642
<i>Teleonemia nigrina</i> Champion	LSAM	M	Williams Ariz. [,] Aug. 10 1937 [,] H. M. Harris; LSAM [,] 0297643
<i>Teleonemia nigrina</i> Champion	LSAM	F	Mesa Verde [,] Nat. Pk. Colo. ; c4:6/29/44; LSAM [,] 0297644
<i>Teleonemia nigrina</i> Champion	LSAM	F	Mesa Verde [,] Nat. Pk. Colo. ; c4:6/29/44; LSAM [,] 0297645
<i>Teleonemia nigrina</i> Champion	LSAM	F	Mesa Verde [,] Nat. Pk. Colo. ; c4:6/29/44; LSAM [,] 0297646
<i>Teleonemia nigrina</i> Champion	LSAM	M	Creede Colo [,] July 8, 1937 [,] L. D. Tuthill; LSAM [,] 0297647
<i>Teleonemia nigrina</i> Champion	LSAM	F	Creede Colo [,] July 12, 1938 [,] L. D. Tuthill; LSAM [,] 0297648
<i>Teleonemia nigrina</i> Champion	LSAM	M	Creede Colo [,] 7-22-1937 [,] L. D. Tuthill; LSAM [,] 0297649
<i>Teleonemia nigrina</i> Champion	LSAM	F	Ute Mountains [,] Utah-Colo. Line [,] June, 1927; M. Tanner [,] Collector
<i>Teleonemia nigrina</i> Champion	LSAM	M	Waco, Texas [,] June 22, 1933 [,] H. B. Mills; LSAM [,] 0297640; <i>Teleonemia</i> [,] monile
<i>Teleonemia nigrina</i> Champion	LSAM	M	Presidio Co. [,] Tex 7-15-27 [,] R. H. Beamer; LSAM [,] 0297652
<i>Teleonemia nigrina</i> Champion	LSAM	M	Upshur Co [,] Texas-1928 [,] V. A. Little; LSAM [,] 0297653
<i>Teleonemia nigrina</i> Champion	LSAM	F	Stillwater, Okla. [,] 5/1/1941 [,] W. T. Nailon; LSAM [,] 0297654
<i>Teleonemia nigrina</i> Champion	LSAM	F	Washington Co. [,] Ark. 2-IX-41; LSAM [,] 0297655
<i>Teleonemia nigrina</i> Champion	LSAM	F	Washington Co. [,] Ark. 2-IX-41; LSAM [,] 0297656
<i>Teleonemia nigrina</i> Champion	LSAM	F	Flint, Okla. [,] June 19, 1937 [,] Standish-Kais; LSAM [,] 0297657

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	LSAM	M	Waco, Texas [,] June 22, 1933 [,] H. B. Mills; LSAM [,] 0297658
<i>Teleonemia nigrina</i> Champion	LSAM	F	Moscow Mtn, Ida [,] July 20, 1938 [,] H. M. Harris; LSAM [,] 0297681
<i>Teleonemia nigrina</i> Champion	LSAM	F	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297682
<i>Teleonemia nigrina</i> Champion	LSAM	M	Kootenai, Ida [,] July 8, 1938 [,] H.H. Harris; LSAM [,] 0297683
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297684
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297685
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297686
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297687
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297688
<i>Teleonemia nigrina</i> Champion	LSAM	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297689
<i>Teleonemia nigrina</i> Champion	LSAM	F	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297690
<i>Teleonemia nigrina</i> Champion	LSAM	F	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; LSAM [,] 0297691
<i>Teleonemia nigrina</i> Champion	LSAM	F	LA: E. Baton Rouge Par. [,] E of Central on LA 408[,] 22-X-1981 C. B. Barr; Teleonemia [,] nigrina [,] Champion [,] Det. A. H. Knudson 2020
<i>Teleonemia nigrina</i> Champion	LSAM	F	Colonia Juarez [,] Chih. Mexico. ; D. Elden Beck [,] Collector; LSAM [,] 0297788
<i>Teleonemia nigrina</i> Champion	LSAM	F	LA; Catahoula Par. [,] Sicily Island [,] 15-IV-1982; C. B. Barr [,] Collector
<i>Teleonemia nigrina</i> Champion	MEMC	F	Lafayette Co.MS [,] U of M Campus [,] 18 Aug 1983 [,] Paul K. Lago ; Canabis [,] sativa; Voucher Specimen [,] Canabis sativa [,] Study [,] Lago & Stanford; Univ. of Mississippi [,] Insect Collection [,] housed at MEM; <i>Teleonemia nigrina</i> Champion [,] det Hoffman 1985
<i>Teleonemia nigrina</i> Champion	MEMC	F	French Camp [,] Miss, 6/25/31 [,] W. L. Downing; Verbena; Teleonemia [,] (?) nig'rina [,] Champ.; MEMU_ENT 00139632
<i>Teleonemia nigrina</i> Champion	MEMC	F	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139633
<i>Teleonemia nigrina</i> Champion	MEMC	F	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139634
<i>Teleonemia nigrina</i> Champion	MEMC	F	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139635
<i>Teleonemia nigrina</i> Champion	MEMC	F	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139636
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139637
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139638
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139639
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139640
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139641
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139642
<i>Teleonemia nigrina</i> Champion	MEMC	M	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139643
<i>Teleonemia nigrina</i> Champion	MEMC	F	Riley Co. Ks. [,] May 14 1962; COLLECTOR [,] J. R. MCCOY; MEMU_ENT 00139644
<i>Teleonemia nigrina</i> Champion	MEMC	F	Riley Co. Ks. [,] May 14 1962; COLLECTOR [,] J. R. MCCOY; MEMU_ENT 00139645
<i>Teleonemia nigrina</i> Champion	MEMC	M	Wabunsee Co. Ks. [,] June 17 1963; COLLECTOR [,] J. R. MCCOY; MEMU_ENT 00139646

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	MEMC	?	Okolona [,] Miss 5-14-37; W G Chenault; MEMU_ENT 00139648
<i>Teleonemia nigrina</i> Champion	MEMC	M	MISS., Clay Co [,] 6.4 mi S. of McCondy [,] 33°43'52"N 88°49'44"W [,] 28 July 2010 [,] J. G. Hill; Sweeping in Black [,] Belt [,] Prairie
<i>Teleonemia nigrina</i> Champion	MEMC	F	MISS., Noxubee Co. [,] Noxubee N.W. Refuge [,] Loakfoma Lake[,] 26 June 1995 [,] D. M. Pollock; SWEEPING
<i>Teleonemia nigrina</i> Champion	MEMC	F	MISS., Okitbbeha Co. [,] 3 mi. W of Adaton [,] 33°29'00"N 88°58'13"W [,] 4 July 2003 [,] T. L. Schiefer
<i>Teleonemia nigrina</i> Champion	MEMC	F	MISS., Okitbbeha Co. [,] 3 mi. W of Adaton [,] 33°29'00"N 88°58'13"W [,] 30 Aug. 2003 [,] T. L. Schiefer
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Davidson Co. [,] Couchville Glade N. A. [,] 36° 06' 04"N 86°31' 46"W [,] 24 July 2009 [,] J. G. Hill ; sweeping in cedar [,] glade, W. H. [,] Cross Expedition
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Davidson Co. [,] Couchville Glade N. A. [,] 36° 06' 04"N 86°31' 46"W [,] 24 July 2009 [,] J. G. Hill ; sweeping in cedar [,] glade, W. H. [,] Cross Expedition
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Davidson Co. [,] Couchville Glade N. A. [,] 36° 06' 04"N 86°31' 46"W [,] 3 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 23 July 2009 [,] J.A. MacGown ; collected in cedar [,] glade, W. H. [,] Cross Expedition
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 2 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 2 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	M	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 3 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	M	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 3 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 3 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	F	TENN., Rutherford Co. [,] Flat Rock Cedar Glade [,] 35° 51' 31"N 86°17' 44"W [,] 3 June 2010 [,] J. G. Hill ; sweeping in gravel [,] zone of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	M	TENN., Wilson Co. [,] Lane Farm N.A. [,] 36°01'55"N 86°22'07"W [,] 3 Aug. 2010 [,] J. G. Hill; sweeping in [,] barron zone [,] of cedar glade
<i>Teleonemia nigrina</i> Champion	MEMC	F	TEXAS., Bexas Co. [,] 0.5 mi S 281 X 1604 [,] 29°36'40"N 98°29'39"W [,] 27 May 1994 [,] D. M. Pollock; SWEEPING
<i>Teleonemia nigrina</i> Champion	MEMC	F	TEXAS., S. Patricio Co. [,] Welder Wildlife Ref. [,] 8 mi. NE Sinton [,] 13-15 May 1985 [,] G. Baker, G. Miller; sweeping [,] range land; William H. Cross [,] Expedition
<i>Teleonemia nigrina</i> Champion	MEMC	F	TEXAS., S. Patricio Co. [,] Welder Wildlife Ref. [,] 8 mi. NE Sinton [,] 13-15 May 1985 [,] R. Brown; sweeping; William H. Cross [,] Expedition
<i>Teleonemia nigrina</i> Champion	MSUC	M	Brownsville, TEX. [,] Cameron Co. [,] 19 March 1972 [,] J. Zimmerman; Teleonemia [,] nigrina Champion[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	MSUC	M	Falcon St. Park, [,] Starr Co., TEXAS [,] Cameron Co. [,] 20 March 1972 [,] D. K. Young; Teleonemia [,] nigrina Champion[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	MSUC	F	Mathis, TEXAS [,] San Patricio Co. [,] 15 March 1972 [,] T. A. Bowling; Teleonemia [,] nigrina Champion[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	MSUC	M	Mathis, TEXAS [,] San Patricio Co. [,] 15 March 1972 [,] R. K. Zajdel; Teleonemia [,] nigrina Champion[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	MSUC	F	Almagordo [,] N. Mex. 8-13-55 [,] R. R. Dreisbach; Teleonemia [,] nigrina Champion[,] Det J. C. Lutz
<i>Teleonemia nigrina</i> Champion	MSUC	M	Almagordo [,] N. Mex. 8-13-55 [,] R. R. Dreisbach; Teleonemia [,] nigrina Champion[,] Det A. H. Knudson 2020

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	MSUC	F	West Yellowstone [,] Mont. 8-3-50 [,] R. R. Dreisbach [,] R. K. Schwab; Teleonemia [,] nigrina Champion[,] Drake; Teleonemia [,] nigrina Champion[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	MSUC	M	TEXAS: Mission [,] Bentson Park [,] 13-IV-1982 [,] S. G. Wellso; Teleonemia [,] nigrina Champion[,] Det A. H. Knudson 2020; Teleonemia [,] belfragii Stål[,] Det D. R. Swanson 2017
<i>Teleonemia nigrina</i> Champion	NCSU	F	USA:NC: Hoke Co. [,] McCain Nat. Area [,] 4-ix-1991 [,] R. L. Blinn; NCSU 0000493; Teleonemia [,] nigrina [,] Champion [,] Det. R. L. Blinn 1991
<i>Teleonemia nigrina</i> Champion	NCSU	M	USA: N. CAROLINA [,] Cabarrus Co.; Concord [,] 15.ix.2008 [,] Christy's Nursery; Taken on [,] Verbena xhybrida; NCSU 0000483
<i>Teleonemia nigrina</i> Champion	NCSU	F	USA: N. CAROLINA [,] Cabarrus Co.; Concord [,] 15.ix.2008 [,] Christy's Nursery; Taken on [,] Verbena xhybrida; NCSU 0000484
<i>Teleonemia nigrina</i> Champion	NCSU	M	USA: N. CAROLINA [,] Cabarrus Co.; Concord [,] 15.ix.2008 [,] Christy's Nursery; Taken on [,] Verbena xhybrida; NCSU 0000485
<i>Teleonemia nigrina</i> Champion	NCSU	F	USA: NC: Moore Co. [,] Southern Pines; Moss [,] Foundation Property; 18-V-1994 [,] R. L. Blinn; Taken on [,] Arenaria [,] caroliniana; NCSU 0000494
<i>Teleonemia nigrina</i> Champion	NCSU	F	USA: NC: Moore Co. [,] Southern Pines; Moss [,] Foundation Property; 18-V-1994 [,] R. L. Blinn; Taken on [,] Arenaria [,] caroliniana; NCSU 0000495
<i>Teleonemia nigrina</i> Champion	NCSU	F	USA:NC:Wake Co.: Raleigh: [,] Brickhead's: 1417 Scales St. [,] within 100m of 35.799°, -78.644° [,] 28.xiii.2009 R.M. Brickhead; NCSU 0000468
<i>Teleonemia nigrina</i> Champion	NCSU	M	Candor NC [,] VIII II 1953 [,] D. M. Weismann; NCSU 0000478
<i>Teleonemia nigrina</i> Champion	NCSU	F	Candor NC [,] VIII II 1953 [,] D. M. Weismann; NCSU 0000479
<i>Teleonemia nigrina</i> Champion	NCSU	M	Candor NC [,] VIII II 1953 [,] D. M. Weismann; NCSU 0000480
<i>Teleonemia nigrina</i> Champion	NCSU	M	S. Pines NC [,] IX 19 1953 [,] D. M. Weismann; NCSU 0000481
<i>Teleonemia nigrina</i> Champion	NCSU	M	S. Pines NC [,] IX 19 1953 [,] D. M. Weismann; Aurelavia; NCSU 0000470
<i>Teleonemia nigrina</i> Champion	NCSU	F	San Antonio, Tex [,] VII-18-1955 [,] D. H. Habeck; NCSU 0063776; Teleonemia [,] schwarzi (?) Drake [,] Det. K. F. Horn 1971; Prob. [,] T. nigrinana
<i>Teleonemia nigrina</i> Champion	NCSU	M	ARIZONA [,] Prescott; 16-VIII-67 [,] DAYoung; NCSU 0063777
<i>Teleonemia nigrina</i> Champion	NMSU	0	
<i>Teleonemia nigrina</i> Champion	NMSU	0	
<i>Teleonemia nigrina</i> Champion	NMSU	0	
<i>Teleonemia nigrina</i> Champion	NMSU	0	
<i>Teleonemia nigrina</i> Champion	NMSU	F	S. Guad. Mts [,] NM. [,] 5-30-41; John T. Medler [,] Collector; Teleonemia [,] nigrina[,] Champ.; NMSUACP [,] 0049277
<i>Teleonemia nigrina</i> Champion	NMSU	F	S. Guald. Mts [,] NM. [,] 5-30-41; John T. Medler [,] Collector; NMSUACP [,] 0049282
<i>Teleonemia nigrina</i> Champion	NMSU	M	Cloudcroft [,] 6-29-41; John T. Medler [,] Collector; NMSUACP [,] 0049276
<i>Teleonemia nigrina</i> Champion	NMSU	I	St. College [,] 4-16-41; John T. Medler [,] Collector; NMSUACP [,] 0049274
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla. [,] 5/1 1941 [,] W. T. Nailon
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla. [,] 5/1 1941 [,] W. T. Nailon
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla. [,] 5/1 1941 [,] W. T. Nailon
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla. [,] 5/1 1941 [,] W. T. Nailon

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla. [,] May 1 1941 [,] E. Hixson
<i>Teleonemia nigrina</i> Champion	OSEC	M	Drumright, Ok. [,] 10/14/1939 [,] Thomas King
<i>Teleonemia nigrina</i> Champion	OSEC	M	Drumright, Ok. [,] 10/14/1939 [,] Thomas King
<i>Teleonemia nigrina</i> Champion	OSEC	M	Drumright, Ok. [,] 10/14/1939 [,] Thomas King
<i>Teleonemia nigrina</i> Champion	OSEC	I	Drumright, Ok. [,] 10/14/1939 [,] Thomas King
<i>Teleonemia nigrina</i> Champion	OSEC	I	Drumright, Ok. [,] 10/14/1939 [,] Thomas King
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla [,] Payne Co. [,] Aug 1 , 1983 [,] J. T. Criswell; on Verbena
<i>Teleonemia nigrina</i> Champion	OSEC	M	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	M	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	M	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Hickroy, Murray Co. [,] 6-22-71 #404; collector [,] D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	M	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	OSEC	M	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	M	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	F	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	F	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	F	IX 9, 2011 [,] Tulsa, OK [,] Tulsa Co. [,] Coll. S. Gray-Mellaugh; <i>Teleonemia nigrina</i> Champion [,] on Verbena bonariensis [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stilwater, Okla [,] VI-14, 1954 [,] F. A. Fenton; 38
<i>Teleonemia nigrina</i> Champion	OSEC	M	Lake Carl Blacwell [,] Payne Co. OKLAHOMA [,] June-17, 1959 [,] coll. W. A. Drew
<i>Teleonemia nigrina</i> Champion	OSEC	M	VIII 24, 2009 [,] Magnum, OK [,] Greer Co. [,] Coll. H. Shaver; <i>Teleonemia nigrina</i> Champion [,] on Verbena sp. [,] Det. R. Grantham
<i>Teleonemia nigrina</i> Champion	OSEC	M	Range 1mi. N.W. [,] Supply, OKLAHOMA [,] VII-21, 1960 [,] Plot # 22 SW; collector [,] D. E. Bryan
<i>Teleonemia nigrina</i> Champion	OSEC	M	Stillwater [,] Payne Co. OK [,] Summer 2003; open [,] LGB pheromone [,] P. Edde
<i>Teleonemia nigrina</i> Champion	OSEC	M	nr. SPREC [,] Payne Co. OK [,] Summer 2003; grain [,] LGB pheromone [,] P. Edde
<i>Teleonemia nigrina</i> Champion	OSEC	F	Ames, OKLA. [,] Major Co. [,] June 6, 1966; alfalfa [,] coll. D. A. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Paoli, OKLA. [,] Garvin Co. [,] June 27, 1966; alfalfa [,] coll. D. A. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	8 W. of Altus [,] 6-27-72 [,] Rangeland [,] Jackson Co.; coll. D. Arnold
<i>Teleonemia nigrina</i> Champion	OSEC	F	Stilwater, Okla [,] VII-13, 1956 [,] F. A. Fenton; alfalfa
<i>Teleonemia nigrina</i> Champion	OSUC	M	Flagstaff [,] VI-23-37 Ar. ; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champ. [,] Det. J. C. Lutz; OSUC 0427245
<i>Teleonemia nigrina</i> Champion	OSUC	M	Congress Jc., [,] VI-14-37 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427246
<i>Teleonemia nigrina</i> Champion	OSUC	M	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427243
<i>Teleonemia nigrina</i> Champion	OSUC	F	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427247
<i>Teleonemia nigrina</i> Champion	OSUC	F	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427248
<i>Teleonemia nigrina</i> Champion	OSUC	F	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427249
<i>Teleonemia nigrina</i> Champion	OSUC	F	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427250
<i>Teleonemia nigrina</i> Champion	OSUC	F	Oak Cr. Can., [,] [,] VIII-15-38 Ar. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427251
<i>Teleonemia nigrina</i> Champion	OSUC	F	Flagstaff, Ar. [,] VII-30-38 ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427252
<i>Teleonemia nigrina</i> Champion	OSUC	M	Frio Co., V-20-28, Tex.; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion. [,] Det. A. H. Knudson 2021; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal [,] Det. J. C. Lutz; OSUC 0427352
<i>Teleonemia nigrina</i> Champion	OSUC	F	Frio Co., V-20-28, Tex.; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion. [,] Det. A. H. Knudson 2021; OSUC 0427326
<i>Teleonemia nigrina</i> Champion	OSUC	F	Frio Co., V-20-28, Tex.; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion. [,] Det. A. H. Knudson 2021; OSUC 0427327
<i>Teleonemia nigrina</i> Champion	OSUC	M	Frio Co., V-20-28, Tex.; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion. [,] Det. A. H. Knudson 2021; OSUC 0427328

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	OSUC	F	Chisos Mts., [,] VII-17-46. Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427329
<i>Teleonemia nigrina</i> Champion	OSUC	M	Chisos Mts., [,] VII-17-46. Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427330
<i>Teleonemia nigrina</i> Champion	OSUC	F	Chisos Mts., [,] VII-17-46. Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427331
<i>Teleonemia nigrina</i> Champion	OSUC	F	Chiricahua M. [,] IX-29-47. Ar.; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal [,] Det. J. C. Lutz; OSUC 0427332
<i>Teleonemia nigrina</i> Champion	OSUC	M	Chiricahua M. [,] IX-29-47. Ar.; D. J. & J. N. [,] Knull Collrs.; OSUC 0427333
<i>Teleonemia nigrina</i> Champion	OSUC	M	Chiricahua M. [,] IX-29-47. Ar.; D. J. & J. N. [,] Knull Collrs.; OSUC 0427334
<i>Teleonemia nigrina</i> Champion	OSUC	M	Chiricahua M. [,] IX-29-47. Ar.; D. J. & J. N. [,] Knull Collrs.; OSUC 0427336
<i>Teleonemia nigrina</i> Champion	OSUC	F	Santa Rosa M. [,] VII-4-46. Cal.; D. J. & J. N. [,] Knull Collrs.; OSUC 0427311
<i>Teleonemia nigrina</i> Champion	PERC	F	Kansas; Perdue [,] Blatchley [,] collection
<i>Teleonemia nigrina</i> Champion	PERC	M	TEXAS: Nueces Co. [,] Corpus Christi [,] 24-IV 1990 [,] S. G. Wellso
<i>Teleonemia nigrina</i> Champion	PERC	F	TEX: Brazos Co., [,] College Station [,] 6-V 1940 [,] S. G. Wellso
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.; <i>Teleonemia</i> [,] <i>nigrina</i> Champ. [,] (Drake)
<i>Teleonemia nigrina</i> Champion	SEMC	M	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	M	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	M	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr [,] Verbena; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	M	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr [,] Verbena; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr [,] Verbena; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	?	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr [,] Verbena; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	?	WhiteHouseCanyon [,] StaRitaMts Ariz [,] 13.VIII 35 [,] EI4500 JRTBcollr [,] Verbena; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia nigrina</i> Champion	SEMC	F	Smithville [,] Tex. V-12-54 [,] RH LD Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Cloudcroft N. M [,] 7-14-35 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	MEXICO - Morelos [,] Tepoztlan [,] 11 August 1938 [,] L. J. Lipovsky

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	SEMC	M	2 Hidalgo [,] Hdgo. Mex. [,] VII.19.53; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	M	Brownsville [,] Tex6-29-38 [,] DW Craik
<i>Teleonemia nigrina</i> Champion	SEMC	M	Wichita N. Forest [,] Okla. 6-27-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	MEXICO Guerrero, [,] 1.5 mi.W. Mochitlán [,] 6 August 1962 [,] U.Kans.Mex. Exped.
<i>Teleonemia nigrina</i> Champion	SEMC	M	MEXICO-Michoacan [,] Zamora. 8 Sept. [,] 1938. L.Lipovsky
<i>Teleonemia nigrina</i> Champion	SEMC	F	Cuernavaca [,] Mor., Mex. [,] VIII-6-1938 [,] L. J. Lipovsky
<i>Teleonemia nigrina</i> Champion	SEMC	M	8mi. W. Xilitla [,] S.L.P. Mex. [,] VII-22-54 3200ft. ; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	M	10 mi. E. San [,] Jan del Rio, [,] Quer., Mex 6500 Ft.; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	M	MEXICO - Morelos [,] 3 mi. S. of Cuerna- [,] vaca, 10 August 1938 [,] L. J. Lipovsky
<i>Teleonemia nigrina</i> Champion	SEMC	F	MEXICO - Morelos [,] Tepoztlan [,] 11 August 1938 [,] L. J. Lipovsky
<i>Teleonemia nigrina</i> Champion	SEMC	F	Cloudcroft N. M [,] VI-27-1940 [,] L. J. Lipovsky
<i>Teleonemia nigrina</i> Champion	SEMC	F	Palopinto Co. [,] Tex.7-14-28 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Santa Rita Mts [,] Ariz. VII-12-50 [,] L. D. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	ARIZONA: Cochise Co. [,] Rucker Canyon [,] Chiricahua Mts. ; 5 July 1957 [,] Charles W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Teleonemia nigrina</i> Champion	SEMC	F	ARIZONA: Cochise Co. [,] Rucker Canyon [,] Chiricahua Mts. ; 5 July 1957 [,] Charles W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Teleonemia nigrina</i> Champion	SEMC	F	Malaga N.M. [,] 7-11-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Belen N. M. [,] 7-1-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Tajiqua, N. M. [,] VI - 25 - 40 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Tajiqua, N. M. [,] VI - 25 - 40 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Labette Co [,] Kans 899 ft [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Elk N. M [,] 7-14-38 [,] M. B. Jackson
<i>Teleonemia nigrina</i> Champion	SEMC	M	Silver City N. M [,] 7-22-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Silver City N. M [,] 7-22-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Silver City N. M [,] 7-22-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Silver City N. M [,] 7-22-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Silver City N. M [,] 7-22-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Portales N. M [,] 7-16-36 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Coconino Co. [,] Ariz. 7-1-29 [,] P. W. Oman
<i>Teleonemia nigrina</i> Champion	SEMC	F	Coconino Co. [,] Ariz. 7-1-29 [,] P. W. Oman
<i>Teleonemia nigrina</i> Champion	SEMC	F	Coconino Co. [,] Ariz. 7-1-29 [,] L. D. Anderson
<i>Teleonemia nigrina</i> Champion	SEMC	M	Grace Olive Wiley [,] Eastland Co., Tex. [,] August-18-1920-
<i>Teleonemia nigrina</i> Champion	SEMC	F	Grand Canyon [,] Ariz, 8-2-33 [,] R. H. Beamer

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	SEMC	M	Falgstaff, Ar [,] 8-1-33 [,] Jean Russell
<i>Teleonemia nigrina</i> Champion	SEMC	M	Brownsville [,] Tex6-29-38 [,] DW Craik
<i>Teleonemia nigrina</i> Champion	SEMC	F	Brownsville [,] Tex6-29-38 [,] DW Craik
<i>Teleonemia nigrina</i> Champion	SEMC	M	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Brownsville [,] Tex6-29-38 [,] R. I. Sailer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Palopinto Co. [,] Tex.7-14-28 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Boerne Tex [,] 7-2-36 [,] R.H.Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Taylor Co. [,] 7-11-28 Tex [,] R.H.Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Magnolia, Tex. [,] April -30 - 1953 [,] L. D. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Edna , Texas [,] May 7, 1953 [,] L.D. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	USA: Kansas: Russell Co. [,] Wilson Lake, Lucas Point [,] Campground 38.92830°N [,] 98.53034°W 31-V-2013 [,] Z. H. Falin ex. Blown onto [,] rocks, windward shore [,] KAN1F13 035; SEMC 1085067 [,] KUNHM-ENT; Tingidae [,] Det Kmenard '17
<i>Teleonemia nigrina</i> Champion	SEMC	M	6 mi SW Puebla [,] Puebla Mexico [,] VII-2-53 6600 ft; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	M	30 mi NE [,] Ciudad del Maiz [,] SLP. Mexico [,] VI 19-53 1300 ft; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	F	6 mi N.E. [,] Jalastitlan [,] Jal. Mex. [,] VII.19.54; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	F	MEXICO Puebla #15 [,] 7.2mi. SE. Tecama- [,] chalco, 6300 ft. [,] 25 July 1963 [,] George W. Byers
<i>Teleonemia nigrina</i> Champion	SEMC	F	Biglow, mo [,] 8-25 10 ; J. R. de la [,] Torre-Bueno [,] Collection K. U.; Teleonemia [,] sp. [,] HGB
<i>Teleonemia nigrina</i> Champion	SEMC	M	Wm. E. Hoffmann [,] Reno Co. Kansas [,] 9-3-1919
<i>Teleonemia nigrina</i> Champion	SEMC	M	Tom Green Co. [,] Tex. 7-14-28 [,] Jack Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Meade Co. Ks [,] 8-18-1945 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Newton, Kans. [,] Aug. 3, 1945 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Leavenworth Co., [,] Ks. Sept. 19, 1928 [,] E. P. Breakey
<i>Teleonemia nigrina</i> Champion	SEMC	F	Douglas Co. [,] Kans. 8-17-44 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Douglas Co. [,] Kans. 8-17-44 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Hutchinson, Kan. [,] IX-7-1938 [,] D.E. - A. Hardy
<i>Teleonemia nigrina</i> Champion	SEMC	M	53 Miles South [,] Marathon Tex [,] 6-23-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Durango Colo [,] 7-2-37 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Ft. Davis Tex [,] 6-20-1947 [,] R. H. Beamer; Teleonemia [,] spp. [,] det. Wenjun Bu, 1997
<i>Teleonemia nigrina</i> Champion	SEMC	M	Ft. Davis Tex [,] 6-22-1947 [,] R. H. Beamer

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	SEMC	F	Ft. Davis Tex [,] 6-22-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Ft. Davis Tex [,] 6-22-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Ft. Davis Tex [,] 6-22-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Mt Hope, Kans. [,] VII-29-1950 [,] Robert E. Beer; Tingidae
<i>Teleonemia nigrina</i> Champion	SEMC	M	Mt Hope, Kans. [,] VII-29-1950 [,] Robert E. Beer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Mt Hope, Kans. [,] VII-29-1950 [,] Robert E. Beer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Mt Hope, Kans. [,] VII-29-1950 [,] Robert E. Beer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Milagro, N. M. [,] VI - 23-41 [,] Burt Hogden
<i>Teleonemia nigrina</i> Champion	SEMC	M	SouthernPines [,] 25.VII.19 NC [,] AHMenee Collr
<i>Teleonemia nigrina</i> Champion	SEMC	F	SouthernPines [,] 25.VII.19 NC [,] AHMenee Collr
<i>Teleonemia nigrina</i> Champion	SEMC	F	SouthernPines [,] 25.VII.19 NC [,] AHMenee Collr
<i>Teleonemia nigrina</i> Champion	SEMC	M	Newton, Kans. [,] Aug. 3, 1945 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Cisco Tex. [,] 6-19-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Cisco Tex. [,] 6-19-1947 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Cameron Co. [,] Tex. 8-3-28 [,] J. G. Shaw
<i>Teleonemia nigrina</i> Champion	SEMC	M	65 mi. south [,] of Marathon [,] Tex 7-10-38 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	65 mi. south [,] of Marathon [,] Tex 7-10-38 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	65 mi. south [,] of Marathon [,] Tex 7-10-38 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	Mesa Verde [,] Colo. 7-13-37 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Mesa Verde [,] Colo. 7-13-37 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Mesa Verde [,] Colo. 7-13-37 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Mesa Verde [,] Colo. 7-13-37 [,] R. H. Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Corrizo Springs [,] Tex 4-14-1949 [,] Michener - Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	F	Corrizo Springs [,] Tex 4-14-1949 [,] Michener - Beamer
<i>Teleonemia nigrina</i> Champion	SEMC	M	8mi. W. Xilitla [,] S.L.P. Mex. [,] VII-22-54 3200ft. ; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	M	8mi. W. Xilitla [,] S.L.P. Mex. [,] VII-22-54 3200ft. ; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	SEMC	F	8mi. W. Xilitla [,] S.L.P. Mex. [,] VII-22-54 3200ft. ; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Pecos Co. [,] 28 miles south of [,] Ft. Stockton [,] April 18, 1985 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Pecos Co. [,] 28 miles south of [,] Ft. Stockton [,] April 18, 1985 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Pecos Co. [,] 28 miles south of [,] Ft. Stockton [,] April 18, 1985 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	?	TEXAS: Jim Wells o. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Hunt, Kerr [,] County, Texas [,] May 1, 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	8 miles SW of [,] Hunt, Texas [,] v-3-1996 [,] W.F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	M	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	12 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 16, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	5 miles sse. Of [,] Gomez Farias, [,] Tamaulipas, Mexico [,] July 19-20, 1970 [,] Murray, Phelps, [,] Hart, Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	1 mi. sw. Jacillilla, [,] Hidalgo, Mexico [,] 5600' July 8, 1966 [,] P. M. & P. K. Wagner
<i>Teleonemia nigrina</i> Champion	TAMU	F	15 mi. n. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 12, 1969[,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	15 mi. n. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 12, 1969[,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	15 mi. se. Ft. Davis, [,] Jeff Davis Co., Texas [,] August 10, 1969[,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	Texas: Starr Co., 09 [,] mi. E. Jct. 649 on hwy. [,] 2686; IV-6-1991 [,] T. Carlo & E. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	M	H. O. Canyon, [,] west of Ft. Davis [,] Jeff Davis Co., Texas [,] August 23, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	H. O. Canyon, [,] west of Ft. Davis [,] Jeff Davis Co., Texas [,] August 23, 1969 [,] Board & Hafernik

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Grimes Co. [,] 1/2 mi. e. Carlos [,] April 22, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	F	Presidio, Texas [,] June 9, 1968 [,] J. E. Hafernik; Taken at [,] " black light"
<i>Teleonemia nigrina</i> Champion	TAMU	F	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23, 1970 At [,] light, Schaffner. [,] Murray, Phelps, Hart
<i>Teleonemia nigrina</i> Champion	TAMU	M	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Palmeto State Park, [,] Gonzales Co., Texas [,] April 13, 1968 [,] J. C. Schaffner; Taken on [,] Crataegus sp.
<i>Teleonemia nigrina</i> Champion	TAMU	M	3 mi. southeast [,] Presidio, Texas [,] June 6, 1968 [,] J. E. Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	13 mi. north [,] Presidio, Texas [,] July 2, 1968 [,] J. E. Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	College Staion, [,] Brazos Co., Texas [,] April 29 1966 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Garner St. Pk [,] Tex. V-6-1961 [,] Ento.602; S. G. Wellso [,] Collector; S. G. Wellso [,] Collector
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: 11 mi. s. [,] Stephenville [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: 11 mi. s. [,] Stephenville [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: 11 mi. s. [,] Stephenville [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: 11 mi. s. [,] Stephenville [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Green Gultch, [,] Big Bend National [,] Park, Texas 4700' [,] July 25, 1968 [,] J. E. Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	Falcon State Park, [,] Starr Co., Texas [,] June 21, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	Inks Lake St. Pk. [,] Burnet Co., Texas [,] May 3 1964 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Inks Lake St. Pk., [,] Burnet Co., Texas [,] April 28 1968 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	Bryan, Texas [,] May 13 1965 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	2 miles southeast [,] Gomez Farias, [,] Tamaulipas, Mexico [,] July 20, 1970 [,] Murray, Phelps, [,] Hart, Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	15 mi. NW Sombrerete [,] 7500 ft., Zac. MEXICO [,] VII-17-59, R. B. Selan- [,] der & J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Kenedy Co. [,] 25 mi. s. Kingsville [,] April 20, 1974 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS:Bosque Co. [,] 2 mi, W. Iredell [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS:Bosque Co. [,] 2 mi, W. Iredell [,] May 3, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bosque County [,] 3 mi. w. Laguna Park [,] May 28, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bosque County [,] 3 mi. w. Laguna Park [,] May 28, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Bosque County [,] 3 mi. w. Laguna Park [,] May 28, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	2 mi, W. Iredell [,] Bosque Co., Texas [,] April 28, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	2 mi, W. Iredell [,] Bosque Co., Texas [,] April 28, 1971 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Bastrop Co. [,] Bastrop [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	M	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	F	4. mi. S. Armstrong [,] Kenedy Co., Texas [,] June 11, 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	4 miles east Doss, [,] Gillespie Co., Texas [,] June 6. 1969 [,] Board & Hafernik
<i>Teleonemia nigrina</i> Champion	TAMU	M	Cola de Caballo, 3000 [,] ft., N. L. MEXICO VII- [,] 6-59 R. B. Selander & [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	1 mi. SW Devine, TEXAS [,] VIII-17-59 R. B. Selander [,] der & J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	1 mi. SW Devine, TEXAS [,] VIII-17-59 R. B. Selander [,] der & J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	14 mi. SE Nombre de Dios [,] 7000 ft., Dgo., MEXICO [,] VII-17-59, R. B. Selander [,] & J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] May 16, 1964 [,] S. Wellso
<i>Teleonemia nigrina</i> Champion	TAMU	M	MEXICO: Nuevo Leon [,] 15 mi. w. Linares [,] July 2-3, 1973 [,] Mastro & Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEX: Big Bend Nat'l [,] Park, Green Gultch [,] June 8, 1972 [,] W. E. Clark
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Frio Co. [,] 2 miles north [,] Pearsall [,] may 8, 1976 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TX: Travis Co. [,] Zilker Park [,] vi.27.1986 [,] Hearty H86005
<i>Teleonemia nigrina</i> Champion	TAMU	M	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	M	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	5 miles west of [,] Eckhart, Anderson [,] Co., TX, VI-14-2002 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	M	Kerrville, Texas [,] VII-26-1999 [,] G.M. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	Kerrville, Texas [,] VII-26-1999 [,] G.M. Chamberlain

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Starr County [,] 1 mile NW of La Reforma [,] along Fare Road # 1017 [,] on May the 12th, 1987 [,] J. R. & S. L. Hanselmann
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Duval County [,] 1 mile N of Freer [,] along State Highway # 16[,] on April the 26th, 1986 [,] D. K. & S. L. Hanselmann
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Val Verde Co. [,] Dolan Creek Camp Grd. [,] 29° 54' N x 100° 53'W [,] VI-14-1975 [,] J. S. Ashe
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Jeff Davis Co. [,] Davis Mts. Resort, 5800' [,] 9D. Marqua residence) [,] VII-12-19-1993 [,] D. Marqua, Malaise Trap
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Presidio Co. [,] 28.6 mi. S Marfa [,] VI-5-1992 [,] Riley & Godwin
<i>Teleonemia nigrina</i> Champion	TAMU	F	Jct. Hwy. 127 & [,] US83, Uvalde Co., [,] TX, V-3-1996 [,] G. M. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Gillespie Co., [,] 8 mi. e. Fredericksburg [,] April 28, 1971 [,] V. V. Board
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS; Sutton Co. [,] 22 miles east Sonora [,] 30°27'59"N 100°17'26"W [,] IV-11-2002, M. J. Yoder
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Fannin Co. [,] Lake Fannin [,] V-25-2003 [,] Coll. E. G. Riley-1013
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Brewster Co. [,] BBNP, Window Trail [,] 29°16'29"N;103°19'01"W [,] VII- 19-2002, (upper [,] E. G. & C. M. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Brewster Co. [,] BBNP, Window Trail [,] 29°16'29"N;103°19'01"W [,] VII- 19-2002, (upper [,] E. G. & C. M. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Brazos Co. [,] College Station, Lick [,] Creek pk., II-13-26-2000 [,] E. G. Riley, pit-fall trap
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Leon Co. [,] near Oakwood [,] 31°33'97"N, 95°51'61"W [,] V-4-2002, E. G. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	F	8 miles SW of [,] Castell, Llano Co. [,] TX IV-1-2004 [,] W.F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	MEXICO: Queretaro [,] hwy. 120 at km. mk. 227 [,] 4900', 17 July 1982 [,] R. Tumbow
<i>Teleonemia nigrina</i> Champion	TAMU	F	20 miles north of [,] Laredo, Texas (on [,] US 83), III-24-98 [,] W. F. Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Hildalgo Co., Las [,] Palomas Wdlf. Manag. [,] Ar., Peñitas Unit, IV-7-1991: T.Carlow & E.Riley
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Starr Co. [,] Falcon Lake St. Park [,] 20-IV-1985 [,] J. B. Woolley 85/003
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Starr Co. [,] Falcon Lake St. Park [,] 20-IV-1985 [,] J. B. Woolley 85/003
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Burnet Co. [,] Inks Lake St. Park [,] June 12, 1975 [Entrer] J. S. Ashe
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Erath County [,] 10 mi. S. Stephenville [,] April 21, 1972 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Refugio Co. [,] 10 mi. SW. Woodsboro [,] Aransas River [,] March 15, 1972 [,] W. E. Clark
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Kleberg Co. [,] FM 1355 S. Bishop [,] March 29, 1972 [,] W. E. Clark
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Kleberg Co. [,] FM 1355 S. Bishop [,] March 29, 1972 [,] W. E. Clark
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Kleberg Co. [,] FM 1355 S. Bishop [,] March 29, 1972 [,] W. E. Clark
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Mills Co. [,] nr. Mullin [,] IV-30-1995 [,] Coll: E. G. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Presidio Co. [,] Big Bend Ranch S.N.A. [,] 2.5mi. W. LaSauceda [,] August 9, 1991 [,] J.B. Woolley, 91/058
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Burleson Co. [,] FM 908, 7 mi. NW jct. [,] Hwy. 21, IV-18-2003 [,] Coll E. G. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Robertson Co. [,] 7.0 miles west jct [,] OSR & FM 1940 [,] May 28, 1978 [,] sweep. Rudbeckia sp. [,] S. J. Merritt
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Robertson Co. [,] 7.0 miles west jct [,] OSR & FM 1940 [,] May 28, 1978 [,] sweep. Rudbeckia sp. [,] S. J. Merritt

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	F	NEW MEXICO: Eddy Co. [,] 32°19.4N 103°44.4'W [,] (Site 8) May 25th, 1979 [,] D. R. Delorme and H. L. Carrola; <i>Teleonemia</i> [,] sp#1
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Eddy Co. [,] 32°20.3'N 103°50'W [,] (Site 10) 30 May, 1979 [,] Burke, Delorme, Carrola [,] Friedlander, Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Eddy Co. [,] 32°20.3'N 103°51'W [,] (Site 10) 30 May, 1979 [,] Burke, Delorme, Carrola [,] Friedlander, Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	NEW MEXICO: Lea Co. [,] 32°22.8N 103°43.3'W [,] (Site 14) 23 Sept. 1979 [,] R. R. Murray and [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	MEXICO: Nuevo Leon [,] 16.5 mi. w. Linares [,] July 22-24, 1977 [,] R. Peigler, D. Plitt
<i>Teleonemia nigrina</i> Champion	TAMU	F	MEXICO: Nuevo Leon [,] 16.5 mi. w. Linares [,] July 22-24, 1977 [,] R. Peigler, D. Plitt
<i>Teleonemia nigrina</i> Champion	TAMU	F	College Sta., Tex [,] May 20 1929 [,] H. G. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	M	Matador, Tex [,] VI-15 1933 [,] H. J. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	M	Matador, Tex [,] VI-15 1933 [,] H. J. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	M	Matador, Tex [,] VI-15 1933 [,] H. J. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	M	Matador, Tex [,] VI-15 1933 [,] H. J. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	F	Matador, Tex [,] VI-15 1933 [,] H. J. Johnston
<i>Teleonemia nigrina</i> Champion	TAMU	M	Upshur Co. Tex. [,] June 14, 1928 [,] V. A. Little
<i>Teleonemia nigrina</i> Champion	TAMU	M	Upshur Co. Tex. [,] June 14, 1928 [,] V. A. Little
<i>Teleonemia nigrina</i> Champion	TAMU	M	Upshur Co. Tex. [,] June 14, 1928 [,] V. A. Little
<i>Teleonemia nigrina</i> Champion	TAMU	F	Upshur Co. Tex. [,] June 14, 1928 [,] V. A. Little
<i>Teleonemia nigrina</i> Champion	TAMU	F	Dimmit Co. [,] III-10-33 ; S E Jones [,] Collector
<i>Teleonemia nigrina</i> Champion	TAMU	F	NEW MEXICO: Otero Co. [,] 4 mi. e. Cloudcroft [,] September 26, 1979 [,] R. R. Murray and J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Travis Co. [,] vic. Long Hollow Ck [,] 30°27'43"N 97°52'19"W [,] June 18, 1994 (29); Collectors: M. Quinn, [,] E. Riley, R. Wharton [,] on <i>Quercus buckleyi</i> [,] Qt 19-MS2; Tingidae [,] <i>Teleonemia</i> Sp. [,] New this [,] year
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Freestone Co. [,] Old Spiring Seat Church [,] nr. Donie, V-6-1995 [,] Coll. E. G. Riley, UV
<i>Teleonemia nigrina</i> Champion	TAMU	M	Kerrville [,] Tex. V-15-65; Coll. by W. F. [,] Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	M	Kerrville, [,] Tex. VII-18-1981; Coll. by W. F. [,] Chamberlain
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Val Verde Co [,] Seminole Canyon State [,] Park,el 1400' J.Woolley [,] & G.Zolnerowich
<i>Teleonemia nigrina</i> Champion	TAMU	F	3 miles east [,] Leaky, TX [,] V-21-89; Coll. by W. F. [,] Chamberlain

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	M	USA:SC:Chesterfield Co. [,] Sand Hill State Forest [,] 2 mi. E Patrick [,] 34°34.24N 80°00.75'W [,] V-26-2006, E. G. Riley; TAMU-ENTO [,] X0289081
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Crockett Co. [,] 15 mi. W Ozona, [,] Howard Draw, [,] 30°41'42"N ;101°26'29"W [,] IV-19-1997, E. Riley-484
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Edwards Co. [,] 14 miles west [,] Rocksprings [,] April 15, 1985 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Edwards Co. [,] 14 miles west [,] Rocksprings [,] April 15, 1985 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Edwards Co. [,] 14 miles west [,] Rocksprings [,] April 15, 1985 [,] J.C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Presidio Co., Big [,] Bend Ranch St. Nat. Ar. [,] 29°30'45"N ;103°51'56"W [,] el. 4400', VI-21-1990, J. B. Woolley, 90/027b
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Presidio Co., Big [,] Bend Ranch St. Nat. Ar. [,] 29°30'45"N ;103°51'56"W [,] el. 4400', VI-19-1990, J. B. Woolley, 90/022
<i>Teleonemia nigrina</i> Champion	TAMU	M	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Bandera Co. [,] Lost Maples St. Park [,] June 11, 1989 [,] J. A. Jackman; ex. John A. Jackman [,] Collection, October 2008 [,] TAMU Insect Collection; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A. H. Knudson 2022; <i>Teleonemia</i> [,] sp. [,] cf. <i>nigrina</i> [,] Det. V. Belov
<i>Teleonemia nigrina</i> Champion	TAMU	M	Arizona: Cochise Co. [,] Huachuca Mts. [,] Copper Canyon [,] 31°21'44"N 110°18'02"W [,] el. 6000 ft. 25.viii.2000 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	M	USA: Arizona: Cochise Co. [,] Coronado Natl. Forest [,] Dragoon Mts., 1.8 mi NE [,] Middlemarch Pass, el 5300' [,] 31°52'23"N 109°56'16"W [,] J. Schaffner 22.viii.2001
<i>Teleonemia nigrina</i> Champion	TAMU	M	Arizona: Cochise Co. [,] Huachuca Mts. 2000/98 [,] Copper Canyon [,] 31°21'44"N 110°18'02"W ; el. 6000 ft. 25.viii.2000 [,] B. Rodríguez V., T. Ohmann & [,] J. B. Woolley
<i>Teleonemia nigrina</i> Champion	TAMU	M	Arizona: Cochise Co. [,] Huachuca Mts. 2000/98 [,] Copper Canyon [,] 31°21'44"N 110°18'02"W ; el. 6000 ft. 25.viii.2000 [,] B. Rodríguez V., T. Ohmann & [,] J. B. Woolley
<i>Teleonemia nigrina</i> Champion	TAMU	F	Arizona: Cochise Co. [,] Huachuca Mts. 2000/98 [,] Copper Canyon [,] 31°21'44"N 110°18'02"W ; el. 6000 ft. 25.viii.2000 [,] B. Rodríguez V., T. Ohmann & [,] J. B. Woolley
<i>Teleonemia nigrina</i> Champion	TAMU	F	Arizona: Cochise Co. [,] Huachuca Mts. 2000/98 [,] Copper Canyon [,] 31°21'44"N 110°18'02"W ; el. 6000 ft. 25.viii.2000 [,] B. Rodríguez V., T. Ohmann & [,] J. B. Woolley
<i>Teleonemia nigrina</i> Champion	TAMU	F	USA: ARIZ: Cochise Co. [,] Cochise Stronghold, 4900 ft. [,] Coronado Nat'l For. [,] 31.92527°N, 109.96688°W [,] VIII-12-13-2012, E. G. Riley; TAMU-ENTO [,] X0918420
<i>Teleonemia nigrina</i> Champion	TAMU	F	ARIZONA: Santa Cruz Co. [,] Coronado Natl. Forest [,] Patagonia Mts. 2000/090 [,] 2.3 mi. N. Washington Camp; 31°24'53"N 110°43'21"W [,] el.5340 ft. 23-24.viii.2000 [,] B. Rodríguez V., T. Ohmann & [,] J. B. Woolley
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Robertson Co. [,] 8 mi. east of Hearne [,] april 21-27, 1991 [,] M. Hallmark
<i>Teleonemia nigrina</i> Champion	TAMU	M	TEXAS: Kenedy Co. [,] 25 mi. s. Kingsville [,] April 20, 1974 [,] J. C. Schaffner
<i>Teleonemia nigrina</i> Champion	TAMU	F	TEXAS: Mills Co. [,] 7 mil E. Goldthwaite [,] IV-30-1995 [,] Coll. E. G. Riley
<i>Teleonemia nigrina</i> Champion	TAMU	F	College Station [,] Jul. 23 1929 Tex; H. J. Reinhard [,] Collector; 3735

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	TAMU	M	Dimmit Co. [,] II-1-33; S E Jones [,] Collector
<i>Teleonemia nigrina</i> Champion	TAMU	M	Crawford, Miss. [,] April 29, 1931[,] H. G. Johnston.
<i>Teleonemia nigrina</i> Champion	UAIC	M	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; On Snapdragon [,] at S.P. Clark [,] Place on North [,] Campbell Ave.; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	M	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	F	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	I	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	I	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	I	Tuscon, Ariz., [,] Sept. 5, 1944 [,] R. B. Streets; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stal[,] det. HGBarber '54
<i>Teleonemia nigrina</i> Champion	UAIC	M	Tuscon, Ar. [,] June 14, 1930 [,] L. P. Wehrle; On Mrs. Warkins [,] Snapdradon
<i>Teleonemia nigrina</i> Champion	UAIC	M	Tuscon, Ar. [,] June 14, 1930 [,] L. P. Wehrle; On Mrs. Warkins [,] Snapdradon
<i>Teleonemia nigrina</i> Champion	UAIC	F	Tuscon, Ar. [,] June 14, 1930 [,] L. P. Wehrle; On Mrs. Warkins [,] Snapdradon
<i>Teleonemia nigrina</i> Champion	UAIC	M	Carrizo, ARIZONA [,] June 21, 1957 [,] GButler&FWerner
<i>Teleonemia nigrina</i> Champion	UAIC	F	Carrizo, ARIZONA [,] June 21, 1957 [,] GButler&FWerner
<i>Teleonemia nigrina</i> Champion	UAIC	M	Carrizo, ARIZ. [,] July 24, 1956 [,] Gerhard&Butler
<i>Teleonemia nigrina</i> Champion	UAIC	M	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Yavapai Co. [,] 9/26/27 Ariz.; A. A. Nichol [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Marion Co. [,] ark 7 10
<i>Teleonemia nigrina</i> Champion	UAIC	F	ARIZ: PIMA CO. : STA. [,] RITA MTS., SYCAMORE [,] CANYON, T185. R13-190 [,] 110° .3-7'N, 11° 33'E [,] ARAMAX SURVEY 15- [,] J. C. BURNE 24 JUNE 1981; SWEEP agassiz BC [,] 16-VII-1923 [,] W. Downes.; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion
<i>Teleonemia nigrina</i> Champion	UAIC	F	Texas state line [,] RT 66E [,] June 6, 1953; Sweeping [,] weeds; Chase. [,] Collector; <i>Teleonemia</i> [,] <i>nigrina</i> Champ
<i>Teleonemia nigrina</i> Champion	UAIC	MF	Hebron, Colo. [,] VIII, 1, 40' [,] D. Bryant
<i>Teleonemia nigrina</i> Champion	UAIC	M	Sta. Rita Mts. [,] Sep. 30 1936 Ariz. [,] Bryant Lot 51
<i>Teleonemia nigrina</i> Champion	UAIC	F	Sta. Rita Mts. [,] Sep. 30 1936 Ariz. [,] Bryant Lot 51
<i>Teleonemia nigrina</i> Champion	UAIC	F	2.5 miles W of [,] Iron Springs, AZ [,] VII-26-1984; Yavapai Co.; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	2.5 miles W of [,] Iron Springs, AZ [,] VII-26-1984; Yavapai Co.; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VII-04-1992; Buckman Flat; Prescot Nat. [,] Forrest; Penstemon [,] Palmeri; Host Plant; C. R. Ash [,] Collector; 920704-1; <i>Teleonemia</i> [,] <i>nigra</i> [,] Champion [,] Det. A. H. Knudson 2021
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-09-1991; Butte Creek; Penstemon sp.; Host Plant; C. R. Ash [,] Collector

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-09-1991; Butte Creek; Penstemon sp.; Host Plant; C. R. Ash [,] Collector; 9108091
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-09-1991; Butte Creek; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-09-1991; Butte Creek; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-26-1990; Penstemon sp.; Host Plant; C. R. Ash [,] Collector; 90082
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-26-1990; Penstemon sp.; Host Plant; C. R. Ash [,] Collector; 90082
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-21-1991; Penstemon sp.; Host Plant; C. R. Ash [,] Collector; 910821
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-19-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-19-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-19-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-19-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	F	Prescott, AZ [,] VIII-19-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-16-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector; 910816
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-16-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Prescott, AZ [,] VIII-16-1991; Yavapai Co.; Penstemon sp.; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	Walnut Creek, AZ [,] Forest Hwy 96A [,] August 6 1991; Prescott Nat. [,] Forest; Yavapai Co.; Forestiera [,] neomexicana; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia nigrina</i> Champion	UAIC	M	San Bernardino [,] Cochise Co. [,] Ariz Aug. 4-39; San Bernardino [,] Cochise Co., [,] ARIZ. Aug. ? '39
<i>Teleonemia nigrina</i> Champion	UDCC	F	NORTH CAROLINA [,] Bladen Co., USA [,] BladenLakesS.F.; 15-IX-1995 [,] C.R. Bartlett [,] UV light@TurnbullCrk; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. R. L. Blinn 1998; UDCC_TCN 00026700
<i>Teleonemia nigrina</i> Champion	UGCA	M	MEXICO: San Luis Potosi [,] vic. Las Abritas [,] 2 June 1982 [,] R. Turnbow
<i>Teleonemia nigrina</i> Champion	UGCA	M	MEXICO: San Luis Potosi [,] vic. Las Abritas [,] 2 June 1982 [,] R. Turnbow
<i>Teleonemia nigrina</i> Champion	UGCA	M	Tex. Kinney Co. [,] RR334 at West Prong [,] Nueces Riv., 19 Sept. [,] 2001, R. Turnbow
<i>Teleonemia nigrina</i> Champion	UGCA	M	Tex. Kinney Co. [,] RR334 at West Prong [,] Nueces Riv., 19 Sept. [,] 2001, R. Turnbow
<i>Teleonemia nigrina</i> Champion	UIDC	F	Rock Springs, Texas [,] June 9, 1963 [,] Rolland R. Grabbe
<i>Teleonemia nigrina</i> Champion	UIDC	F	Benson State Park, [,] Hidalgo Co., TEXAS [,] April 13, 1968 [,] Donald R. Riley
<i>Teleonemia nigrina</i> Champion	UIDC	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Harris Champ. ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champ. [,] Harris 1940

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	UIDC	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; Teleonemia [,] nigrina [,] Champ. [,] Harris 1940
<i>Teleonemia nigrina</i> Champion	UIDC	M	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; Teleonemia [,] nigrina [,] Champ. [,] Harris 1940
<i>Teleonemia nigrina</i> Champion	UIDC	I	Santa Idaho [,] 8-27-1938 [,] H. M. Harris; Teleonemia [,] nigrina [,] Champ. [,] Harris 1940
<i>Teleonemia nigrina</i> Champion	UIDC	M	Potlatch Ida [,] VI-20-07 ; J. M. Aldrich [,] Collector; Teleonemia [,] nigrina [,] Champ. [,] Harris 1931
<i>Teleonemia nigrina</i> Champion	UIDC	M	35 mi. S [,] Sierra Ancha [,] Ex. For Hdqtrs. [,] ARIZ. VII 23 67; W. F. Barr [,] Collector
<i>Teleonemia nigrina</i> Champion	UMRM	F	TEXAS: Kimble Co. [,] TTU Cntr-Junction [,] 16 Aug, 1986 [,] coll. R. W. Sites
<i>Teleonemia nigrina</i> Champion	UMRM	M	TEXAS: Brooks Co. [,] Falfurrias, 2 mi S [,] 25 April 1967 [,] Enns, Beer, & Peck
<i>Teleonemia nigrina</i> Champion	UMRM	M	2 mi. N of Pearcell [,] Frio Co. Tex. [,] May 8 1976 [,] Coll. D. D. Kopp
<i>Teleonemia nigrina</i> Champion	UMSP	M	CHINATI MTS [,] 16.VI.30 TEX [,] E. R. TICKHAM
<i>Teleonemia nigrina</i> Champion	UMSP	F	Eastland Co. Tex. [,] March 20, 1921 [,] Grace O. Willey
<i>Teleonemia nigrina</i> Champion	UMSP	M	Williams, Ariz [,] Aug. 4. 1927. [,] H. H. Knight; Teleonemia [,] nigrina Champ [,] Det. M. C. Joula. 1928
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 25. VII-8.VIII.2003 [,] J. C. Abbott; Malaise-E [,] N 30. 278° [,] W 97.275°
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 25. VII-8.VIII.2003 [,] J. C. Abbott; Malaise-F [,] N 30. 283° [,] W 97.777°
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 16.V-4.VI.2003 [,] J. C. Abbott; Malaise-F [,] N 30. 283° [,] W 97.777°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 16.V-4.VI.2003 [,] J. C. Abbott; Malaise-D [,] N 30. 284° [,] W 97.320°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 20.VI-10.VII.2003 [,] J. C. Abbott; Malaise-E [,] N 30. 278° [,] W 97.275°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 20.VI-10.VII.2003 [,] J. C. Abbott; Malaise-E [,] N 30. 278° [,] W 97.275°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 2.V-16.V.2003 [,] J. C. Abbott; Malaise-F [,] N 30. 283° [,] W 97.777°
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 2.V-16.V.2003 [,] J. C. Abbott; Malaise-F [,] N 30. 283° [,] W 97.777°
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 27.IV-25.V.2009 [,] J. C. Abbott; Malaise-B [,] N 30. 278° [,] W 97.277°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 27.IV-25.V.2009 [,] J. C. Abbott; Malaise-B [,] N 30. 278° [,] W 97.277°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 27.IV-25.V.2009 [,] J. C. Abbott; Malaise-B [,] N 30. 278° [,] W 97.277°
<i>Teleonemia nigrina</i> Champion	UTIC	?	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 27.IV-25.V.2009 [,] J. C. Abbott; Malaise-B [,] N 30. 278° [,] W 97.277°
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Bastrop Co. [,] Camp Swift Nat. Gd. [,] Bastrop. 8.6km N [,] 27.IV-25.V.2009 [,] J. C. Abbott; Malaise-B [,] N 30. 278° [,] W 97.277°
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Blanco Co. [,] Risinger Ecolab [,] Payton, 3km NE [,] N30.145 W98.287 [,] 15.XI.2006-24.I.2007 [,] J. C. Abbott
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Hays Co. [,] Scott Ecolab [,] Payton, 8.6 km E [,] N30.105 W98.216 [,] 09.V.2007-04.VII.2007 [,] J. C. Abbott
<i>Teleonemia nigrina</i> Champion	UTIC	M	Texas: Travis Co. [,] Dunlap Ecolab [,] City Park Rd., Austin [,] N30.3697 W97.8351 [,] 08.V.2007-09.VII.2007 [,] J. C. Abbott

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	UTIC	F	Texas: Travis Co. [,] Beall Ecolab; Elgin 8km [,] SW; N30.333 W97.451 [,] 08.V.2007-09.VII.2007 [,] J. C. Abbott
<i>Teleonemia nigrina</i> Champion	UTIC	F	USA: TEXAS: Travis Co., Austin, [,] Brackenridge Field Lab, 18 Jun [,] 1998 Sarah Simmonds
<i>Teleonemia nigrina</i> Champion	UTIC	F	TEXAS: Dimmit/ Lasalle Co. [,] Chaparral WMA; Artesia Wells. [,] 10.1 mi NW 18-23.May.2011 [,] N28.31354 W99.44682 J.C. [,] Abbot#2501 & Field Ent. Class
<i>Teleonemia nigrina</i> Champion	WIRC	M	July 20 1958 [,] Ruidoso, N.M. [,] J. T. Medler Col.
<i>Teleonemia nigrina</i> Champion	WSUC	M	Austin. Tex; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Harris Champ.
<i>Teleonemia nigrina</i> Champion	WSUC	F	DallasTx [,] 9/22/05 ; F C Pratz [,]Collector; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champ.
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Bandera Co. [,] Bear Creek, 7 mi ENE [,] Bandera, 6 May 1998 [,] S.M.Clark, S.A.Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Bandera Co. [,] Bear Creek [,] 7 mi ENE Bandera [,] 4-V-1999, S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Bandera Co. [,] 12 mi. W. Medina on [,] Hwy. 337, 4 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Bandera Co. [,] 12 mi. W. Medina on [,] Hwy. 337, 4 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Bandera Co. [,] 12 mi. W. Medina on [,] Hwy. 337, 4 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Bandera Co. [,] 12 mi. W. Medina on [,] Hwy. 337, 4 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Bandera Co. [,] 12 mi. W. Medina on [,] Hwy. 337, 4 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	USA, Texas, Hayes Co. [,] Henly, 4 May 1998 [,] S. M. Clark and [,] S. A. Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	USA, Texas, Hayes Co. [,] Henly, 4 May 1998 [,] S. M. Clark and [,] S. A. Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	USA, Texas, Hayes Co. [,] Henly, 4 May 1998 [,] S. M. Clark and [,] S. A. Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	USA, Texas, Hayes Co. [,] Henly, 4 May 1998 [,] S. M. Clark and [,] S. A. Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Blanco Co. [,] Pedernales Falls [,] State Park, 5-V-1998 [,] S. M. Clark, C.R.Nelson; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Blanco Co. [,] Pedernales Falls [,] State Park, 5-V-1998 [,] S. M. Clark, C.R.Nelson; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Blanco Co. [,] Pedernales Falls [,] State Park, 5-V-1998 [,] S. M. Clark, C.R.Nelson; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Blanco Co. [,] Pedernales Falls [,] State Park, 5-V-1998 [,] S. M. Clark, C.R.Nelson; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Blanco Co. [,] Pedernales Falls [,] State Park, 5-V-1998 [,] S. M. Clark, C.R.Nelson; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Val Verde Co. [,] 31 mi. N. Comstock on [,] Hwy. 163, 5 May 1998 [,] S. M. Clark, S.A.Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Val Verde Co. [,] 31 mi. N. Comstock on [,] Hwy. 163, 5 May 1998 [,] S. M. Clark, S.A.Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Uvalde Co. [,] Concan, 5 May 1998 [,] S. M. Clark [,] and S. A. Wells; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Uvalde Co. [,] Concan, 3 May 1999 [,] S. M. Clark [,] and R. A. Androw; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Gillespie Co. [,] Pedernalis River [,] Hwy. 290 southeast of [,] Fredericksburg [,] 4-V-1998, S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Medina Co. [,] Verde Creek, 10 mi [,] N. Hondo on Hwy. 173 [,] 6-V-1998, S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	USA, Texas [,] San Patricio Co. [,] Sinton, 28-IX-1996 [,] S. M. Clark and R. A. Androw; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	USA, Texas [,] San Patricio Co. [,] Sinton, 28-IX-1996 [,] S. M. Clark and R. A. Androw; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	USA, Texas [,] San Patricio Co. [,] Sinton, 28-IX-1996 [,] S. M. Clark and R. A. Androw; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Sutton Co. [,] Sonora, 4 May 1998 [,] S. M. Clark [,] and S. A. Wells ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Sutton Co. [,] Sonora, 4 May 1998 [,] S. M. Clark [,] and S. A. Wells ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Harrison Co. [,] 1 mi. S. Hallsvill [,] 2 May 1999 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Harrison Co. [,] 1 mi. S. Hallsvill [,] 2 May 1999 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	TEXAS, Harrison Co. [,] 1 mi. S. Hallsvill [,] 2 May 1999 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	F	USA, TX, Panola Co. [,] 5 mi. E. Gary [,] 21 September 1996 [,] S. M. Clark [,] and R. A. Androw ; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	WVDA	M	TEXAS, Starr Co. [,] 5mi NE Salineño [,] 6 May 1999 [,] S. M. Clark; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A.H.Knudson 2019
<i>Teleonemia nigrina</i> Champion	NHMUK	MF	MF; SYN- [,] TYPE; Type; Duenas, [,] Guatemala [,] C. Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>nigrina</i> [,] Ch.; Sp. figured; ♀; ♂; NHMUK 011253982; NHMUK 011253983; LECTOTYPE (♂) [,] <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion [,] Det. A. H. Knudson 20
<i>Teleonemia nigrina</i> Champion	NHMUK	F	F; SYN- [,] TYPE; Guatemala [,] City. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>nigrina</i> [,] Ch.; [Drawing of Rostral channel]; ♀; NHMUK 011253984
<i>Teleonemia nigrina</i> Champion	NHMUK	F	F; Ariz [,] 2123; Coll. [,] Baker; 1; <i>Teleonemia</i> [,] <i>nigrina</i> Ch.; 1909-263.
<i>Teleonemia nigrina</i> Champion	NHMUK	F	F; agassis BC [,] 16-VII-1933 [,] W. Downs; <i>Teleonemia</i> [,] <i>nigrina</i> [,] Champion; W. Downs exch., [,] Brit. Mus. [,] 1954-226.
<i>Teleonemia cf: nigrina</i> Champion	NHMUK	F	F; agassis BC [,] 16-VII-192 [,] W. Downs; W. Downs exch., [,] Brit. Mus. [,] 1954-226.; W. Downs exch., [,] Brit. Mus. [,] 1954-226.
<i>Teleonemia notata</i> Champion	AMNH	M	Turrialba [,] Costa Rica [,] 1-27-1965 [,] J. A. Slater [,] N. T. Davis; DONATION FROM [,] J. A. SLATER [,] COLLECTION
<i>Teleonemia notata</i> Champion	AMNH	F	Turrialba [,] Costa Rica [,] 1-27-1965 [,] J. A. Slater [,] N. T. Davis
<i>Teleonemia notata</i> Champion	NHMUK	F	BELIZE [,] La Celba [,] vi.1981; N. L. H. Krauss [,] B. M. 1983-240
<i>Teleonemia notata</i> Champion	BYUC	F	MEXICO Sonora [,] Rio Sonora nr [,] Baviacora, Apr 11, [,] 1993 Wells-Selby

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	BYUC	M	MEXICO Sonora [,] Rio Sonora [,] Baviacora, Apr 11, [,] 1993 Wells-Selby
<i>Teleonemia notata</i> Champion	BYUC	M	MEXICO: Sonora [,] 8 mi E of Maycoba [,] 22-VIII-1986 [,] Baumann & Sargent
<i>Teleonemia notata</i> Champion	BYUC	F	COSTA RICA, Puntarenas, [,] 9 km NW San Vito, [,] 21-IV-2003, S. M. Clark [,] and E. G. Riley
<i>Teleonemia notata</i> Champion	BYUC	?	Mexico, Jalisco [,] Puerto Vallarta [,] X-5-84 [,] G. E. Bohart
<i>Teleonemia notata</i> Champion	CNC	M	25mi. N. of [,] Tamazunchale, [,] S. L. P. MEX. VII [,] 30, 60. H. Howden; CNC [,] 1188634
<i>Teleonemia notata</i> Champion	CNC	M	25mi. N. of [,] Tamazunchale, [,] S. L. P. MEX. VII [,] 30, 60. H. Howden; CNC [,] 1188632
<i>Teleonemia notata</i> Champion	CNC	M	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188660
<i>Teleonemia notata</i> Champion	CNC	M	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188661
<i>Teleonemia notata</i> Champion	CNC	M	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188663
<i>Teleonemia notata</i> Champion	CNC	F	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188573
<i>Teleonemia notata</i> Champion	CNC	F	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188610
<i>Teleonemia notata</i> Champion	CNC	F	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188662
<i>Teleonemia notata</i> Champion	CNC	F	Xilitla 5 Mi. E., [,] 1600' S. L. P. Mexico. [,] 23-VII 1954 [,] J. G. Chillcott; CNC [,] 1188664
<i>Teleonemia notata</i> Champion	CNC	F	HONDURAS: Paraíso [,] Cerro Monserrat, [,] 7 km SW Yuscarán [,] 15.V.1994 1800m [,] H & A Howden; CNC [,] 1188820
<i>Teleonemia notata</i> Champion	DARC	F	MEX:Chiapas, hwy 199 [,] 10km S Palenque, San [,] Manuel Rd, 22-V-1987 [,] D Rider. E & T Riley; D. A. Rider [,] Collection
<i>Teleonemia notata</i> Champion	DARC	F	MEX:Chiapas, hwy 199 [,] 10km S Palenque, San [,] Manuel Rd, 22-V-1987 [,] D Rider. E & T Riley; D. A. Rider [,] Collection
<i>Teleonemia notata</i> Champion	EMEC	F	MEX. 8 km. S. [,] Jalapa, Ver. [,] VIII-5-62; Curcubita; R. F. Smith [,] collector; EMEC [,] 1252405
<i>Teleonemia notata</i> Champion	FMNH	F	Tamazunchale, [,] S. L. Potosi,MEX. [,] VII: 19: 41; Col. by [,] H. H. Dybas ; Det. by [,] C. J. Drake; Teleonemia [,] notata [,] Champ. ; Teleonemia [,] notata [,] Champ.
<i>Teleonemia notata</i> Champion	FMNH	F	Tamazunchale, [,] S. L. Potosi,MEX. [,] VII: 19: 41; Col. by [,] H. H. Dybas ; Det. by [,] C. J. Drake
<i>Teleonemia notata</i> Champion	FMNH	M	Tamazunchale, [,] S. L. Potosi,MEX. [,] VII: 19: 41; Col. by [,] H. H. Dybas
<i>Teleonemia notata</i> Champion	FMNH	F	Lanquin,Alta Vera [,] Paz, GUATEMALA [,] VI: 8: 1948 [,] Elev. 1000 ft. ; CNHM Guatemala [,] Zool. Exped. (1948) [,] R. D. Mitchell leg. [,] Lot. No.; Sweeping in [,] low vegetation
<i>Teleonemia notata</i> Champion	FMNH	F	MEXICO: Vera Cruz, Playa [,] Azul, Lake Catemaco, [,] VII-7-1957, [,] R. B. 7J.M. Selander leg.
<i>Teleonemia notata</i> Champion	INBio	U	Monumento Nacional Guayabo, Turrialba, Prov. Carta, COSTA RICA. 1100m. SET 1994. G. Fonseca, Desconocido L_N_570300_217200 #3202; INBIOCRI002040308
<i>Teleonemia notata</i> Champion	LSAM	M	Chocola Gu ta [,] Aug. 17, 1946 [,] H. M. Harris; LSAM [,] 0297700
<i>Teleonemia notata</i> Champion	MSUC	F	S. Andres Tuxla, [,] V. C. Mex. [,] 10-25-57 [,] R. & K. Dreisbach; Teleonemia [,] notata[,] Champion [,] Det A. H. Knudson 2020; Teleonemia [,] prolixa[,] Stål [,] Det J. C. Lutz
<i>Teleonemia notata</i> Champion	MSUC	F	Chapulhuacan [,] Hidalgo, MEXICO [,] 2 August 1963 [,] J. P. Donahue [,] Elev. 3100 feet
<i>Teleonemia notata</i> Champion	MSUC	M	MEX.: El Encino, [,] Tamaulipas [,] 16-IV-1984 [,] S. G. Wellso
<i>Teleonemia notata</i> Champion	MSUC	F	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia notata</i> Champion	SEMC	F	GUATEMALA: Quetzal-[.] Tenango, 25.2 km SW [,] Zunil, 800m, 20 June 1993 [,] J. Ashe, R. Brooks, #054 [,] ex: beating Bidens; Teleonemia [,] notata[,] Champion [,] Det A. H. Knudson 2020; Tingidae [,] Det Wenjun Bu, 1997

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	SEMC	M	GUATEMALA: Quetzal-[.] Tenango, 25.2 km SW [.] Zunil, 800m, 20 June 1993 [.] J. Ashe, R. Brooks, #054 [.] ex: beating Bidens; Teleonemia [.] notata[.] Champion [.] Det A. H. Knudson 2020
<i>Teleonemia notata</i> Champion	SEMC	M	Kim 345 N Mex. [.] City, Hidalgo, [.] Mexico I-2-50 [.] R. H. Beamer
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO Veracruz [.] 32 km N. Catemaco [.] UNAM Preserve. Mal-[.] aise trap, 9 Jan. 1982. E. M. May
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO: Chiapas [.] 52.9km N Ocosingo [.] Shanil, 320m, 23 IV 1993 [.] R. Brooks, #65, ex:Bidens
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO: Chiapas [.] 52.9km N Ocosingo [.] Shanil, 320m, 23 IV 1993 [.] R. Brooks, #65, ex:Bidens
<i>Teleonemia notata</i> Champion	SEMC	F	MEXICO: Chiapas [.] 52.9km N Ocosingo [.] Shanil, 320m, 23 IV 1993 [.] R. Brooks, #65, ex:Bidens
<i>Teleonemia notata</i> Champion	SEMC	F	Tlapacoyan [.] 5 mi S W [.] V.C. Mexico [.] VI-26-53 2800 ft; Univ. Kans. [.] Mex. [.] Expedition
<i>Teleonemia notata</i> Champion	SEMC	M	Tamazun Chale [.] Mexico III-30 51 [.] J Lathan
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO Puebla [.] 3 mi. SW. Cuetzalán [.] (N. of Zatapoaxtla) [.] 19 June 1961 4100' [.] U. Kans. Mex. Exped
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO Veracruz [.] 2 mi. N. Jesus Carranza [.] (Isth. Tehuantepec) [.] 25 June 1961
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO Hidalgo [.] 38 mi. NE, Jacala [.] 10 July 1961 3100' [.] U. Kans. Mex. Exped.; on Flowers of [.] Bidens sp.
<i>Teleonemia notata</i> Champion	SEMC	M	5 mi E Huauchinango [.] Puebla Mexico [.] VI-25-1953; Univ. Kans. [.] Mex. [.] Expedition
<i>Teleonemia notata</i> Champion	SEMC	F	MEXICO Veracruz [.] 7 mi. NW. Alazán, [.] near Tuxpan [.] 11 June 1961 [.] U. Kans. Mex. Exped.; Taken on [.] Lippia sp.
<i>Teleonemia notata</i> Champion	SEMC	M	COSTA RICA: Puntaren- [.] as, Monte Verde [.] 6 February 1984 by [.] malaise trap [.] Sydney A. Cameron
<i>Teleonemia notata</i> Champion	SEMC	F	Turrialba, Cartago [.] Prov., COSTA RICA [.] 18 July 1964 [.] G. C. Eickwort
<i>Teleonemia notata</i> Champion	SEMC	M	MEXICO Puebla [.] 3 mi. SW. Cuetzalán [.] (N. of Zatapoaxtla) [.] 19 June 1961 4100' [.] U. Kans. Mex. Exped
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Chiapas [.] 11 mi. n. Ocozocoaulta [.] July 19, 1973 [.] Mastro & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Oaxaca [.] 11 mi. n. Matias Romero [.] July 6, 1971 [.] Clark, Murray, Hart, [.] Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	PANAMA: Veraguas [.] Pr. Rio Cobre, 50 km west [.] Santiago [.] July 7, 1996 [.] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	PANAMA: Veraguas [.] Pr. Rio Cobre, 50 km west [.] Santiago [.] July 7, 1996 [.] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	PANAMA: Panama Pr. [.] Cerro Campana, 700m [.] 8 °40'N, 79° 56' W [.] 20 Jan 96 H. Stockwell
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Campeche [.] Chicanna Ruins [.] 6 mi. W. Xpujil [.] July 27, 1980 [.] Schaffner, Weaver, [.] Friedlander
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Chiapas [.] 8 miles north [.] Berriozabal 3600' [.] August 9, 1990 [.] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Chiapas [.] 5 miles north Nuevo [.] Tenochtitlan, 3000' [.] July 29, 1990 [.] Robert W. Jones
<i>Teleonemia notata</i> Champion	TAMU	?	MEXICO: Chiapas [.] Lagunas de Montebello [.] Laguna Cinco Lagos [.] August 11, 1990 [.] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Chiapas [.] 11 mi. n. Ocozocoaulta [.] July 19, 1973 [.] Mastro & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Chiapas [.] 11 mi. n. Ocozocoaulta [.] July 19, 1973 [.] Mastro & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Chiapas [.] 11 mi. n. Ocozocoaulta [.] July 19, 1973 [.] Mastro & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	13 mi. northwest of [.] Ocozocoaulta, [.] Chiapas, Mexico [.] Aug.16.1967 el. 3200' [.] H. R. Burke and J. Hafernik
<i>Teleonemia notata</i> Champion	TAMU	F	13 mi. northwest of [.] Ocozocoaulta, [.] Chiapas, Mexico [.] Aug.16.1967 el. 3200' [.] H. R. Burke and J. Hafernik
<i>Teleonemia notata</i> Champion	TAMU	M	2 mi. S. Ixhuatan, [.] Chis., Mex. VI-16-65 [.] Burke, Myer, [.] Schaffner, 1900'
<i>Teleonemia notata</i> Champion	TAMU	F	2 mi. S. Ixhuatan, [.] Chis., Mex. VI-16-65 [.] Burke, Myer, [.] Schaffner, 1900'

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	TAMU	F	13 mi. NW Ocozocoautla, [,] Chis., Mex. VI-24-65 [,] H. R. Burke, J. R. Meyer, [,] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	Tamazunchale [,] Mex. I-30-48; Coll. By W. F. [,] Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	M	Tamazunchale [,] Mex. I-30-48; Coll. By W. F. [,] Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	F	Tamazunchale [,] Mex. I-30-48; Coll. By W. F. [,] Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	F	Tamazunchale [,] Mex. I-30-48; Coll. By W. F. [,] Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	F	Matamoros [,] Mex. 2-3-48; Coll. By W. F. [,] Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Guerrero [,] 1.8 mi. s. Cacahuamilpa [,] August 10, 1980 [,] Schaffner, Weaver, Friedlander
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Jalisco [,] 6.7 mi. N. Autlan [,] top of mine road [,] VII-7-1984 [,] J. B. Woolley, 82/021
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 12-14, 1983 [,] Kovarik, Harrison, [,] Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Tamaulipas [,] Mun; Llera de Canoles [,] 5 mil north of Encinco [,] March 8, 1986 200 m. [,] Jones, Kovarik, Haack
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Tamaulipas [,] Rio Sabinas [,] Rancho Cielito [,] April 14-15, 1984 [,] J. A. Jackman
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Veracruz [,] 3 mi. E. Huatusco [,] 23-VII-1984 [,] J. B. Woolley 84/049b
<i>Teleonemia notata</i> Champion	TAMU	M	MEX: Tamps., 6mi [,] W. Gomez Farias [,] July 5, 1986 [,] Schaffner, Kovarik
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Tamaulipas [,] 2 mi. W Gomez Farias [,] XI-15-1985 [,] Haack, Jones, Kovarik
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: S. L. P. [,] 2 km. e. Xolol [,] April 18, 1978 [,] J. C. Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: S. L. P. [,] 6 mi. s. Tamazunchale [,] March 18, 1975 [,] Clark & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: S. L. P., [,] 8 mi. e. Tamazunchale [,] March 14-15, 1977 [,] Gruetzmacher, Sweet, [,] Jordon, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: S. L. P., [,] 8 mi. e. Tamazunchale [,] March 14-15, 1977 [,] Gruetzmacher, Sweet, [,] Jordon, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: S. L. P. [,] 7 mi. w. Xilitla [,] August 22, 1974 [,] W. E. Clark
<i>Teleonemia notata</i> Champion	TAMU	M	3 miles west of [,] Xilitla, S. L. P., [,] Mexico July 22, [,] 1970 Schaffner, [,] Murray, Phelps, Hart
<i>Teleonemia notata</i> Champion	TAMU	M	Tapilula, Chiapas, [,] Mex., VII-21-1974 [,] W. F. Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	M	Tlabacoyan, Ver., [,] Mex., VIII-28-1962 [,] W. F. Chamberlain
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Vera Cruz, [,] 2.3 mi. sw. totutla [,] August 6, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Vera Cruz, [,] 2.3 mi. sw. totutla [,] August 6, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Veracruz [,] Mipo, Jilotepec [,] 0.7 mi. E Jilotepec [,] 3680', VI-14-1997; Wilson & Woolley [,] 97/015 [,] screen sweep
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] Mipo, Jilotepec [,] 0.7 mi. E Jilotepec [,] 3680', VI-14-1997; Wilson & Woolley [,] 97/015 [,] screen sweep
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] Mipo, Jilotepec [,] 0.7 mi. E Jilotepec [,] 3680', VI-14-1997; Wilson & Woolley [,] 97/015 [,] screen sweep

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] Mipo, Jilotepec [,] 0.7 mi. E Jilotepec [,] 3680', VI-14-1997; Wilson & Woolley [,] 97/015 [,] screen sweep
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] Coyame, Lake Catemaco [,] July 14, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Veracruz [,] 14 mi. se. Jalapa [,] March 20, 1975 [,] Clark & Schaffner
<i>Teleonemia notata</i> Champion	TAMU	M	MEXICO: Veracruz, [,] 3 mi. n. Huatusco [,] June 29, 1971 [,] Clark, Murray, [,] Hart, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz, [,] 3 mi. n. Huatusco [,] June 29, 1971 [,] Clark, Murray, [,] Hart, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz, [,] 3 mi. n. Huatusco [,] June 29, 1971 [,] Clark, Murray, [,] Hart, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] 3 miles n. Fortin [,] March 16, 1976 [,] Grutzmacher, Jordan, [,] Vincent, Schaffner
<i>Teleonemia notata</i> Champion	TAMU	F	MEXICO: Veracruz [,] 8 mi. south of Coatepec [,] 24-XII-1979 [,] P. W. Kovarik and [,] D. S. Bogar, Collectors
<i>Teleonemia notata</i> Champion	TAMU	F	19 mi. NW Ocozocoautla, [,] Chis., Mex. VI-25-65 [,] H. R. Burke, J. R. Meyer, [,] J. C. Schaffner
<i>Teleonemia notata</i> Champion	UAIC	F	Lo del Campo [,] 17m SE Tecoripa [,] MEXICO, Sonora [,] R. A. B. 25 Nov 1983
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	M	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX. SLP 5km [,]w Xilitla Hwy [,] 120, 4-V-1989 [,] E. A. Sugden
<i>Teleonemia notata</i> Champion	UCDC	F	MEX VC Rcho El [,] Bejuco Ozuluama [,] x/3-4/1985 [,] G. Ekis Coll
<i>Teleonemia notata</i> Champion	UCDC	F	Veracruz [,] Ver. MEX. [,] VIII 16 1963; F. D. Parker [,] L. A. Stange [,] Collectors
<i>Teleonemia notata</i> Champion	UCDC	M	Cuicateo [,] Chih [,] Mex [,] IX-1-1969; T A Sears [,] R C Gardner [,] C S Glaser
<i>Teleonemia notata</i> Champion	UCDC	F	Cuicateo [,] Chih [,] Mex [,] IX-1-1969; T A Sears [,] R C Gardner [,] C S Glaser
<i>Teleonemia notata</i> Champion	UCDC	M	Cordoba [,] Veracruz [,] VII-6-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll
<i>Teleonemia notata</i> Champion	UCDC	M	Cordoba [,] Veracruz [,] VII-6-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll
<i>Teleonemia notata</i> Champion	UCDC	F	Cordoba [,] Veracruz [,] VII-6-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll
<i>Teleonemia notata</i> Champion	UCDC	M	Cordoba [,] Veracruz [,] VII-13-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll
<i>Teleonemia notata</i> Champion	UCDC	F	Cordoba [,] Veracruz [,] VII-13-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll
<i>Teleonemia notata</i> Champion	UCDC	M	Cordoba [,] Veracruz [,] VII-14-1966; J. S. Buckett [,] M. R. & R. C. [,] Gardner Coll

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Paul [,] Par., 1.9 km. N Pont [,] Cassé, 20 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	F	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	M	DOMINICA: St. George [,] Par., 1.5-3.5 km. W [,] Freshwater Lake, 23 June 2004, R. Turnbow
<i>Teleonemia notata</i> Champion	UGCA	M	DOMINICA: St. Peter [,] Par., Syndicate [,] 21 June 2004 [,] R. Turnbow
<i>Teleonemia notata</i> Champion	UIDC	F	PuertoVallarta [,] Jalisco, Mex. [,] XII-9-1975; W. F. Barr [,] Collector
<i>Teleonemia notata</i> Champion	UIDC	M	MEX Sinoloa [,] Arryo Chupadero [,] VI-21-1969
<i>Teleonemia notata</i> Champion	UMRM	M	MEX: Tamaulipas [,] Bocatoma, 7 Km SSE [,] Gomez Farias: Jan. [,] 5-7, 81: E. Riley
<i>Teleonemia notata</i> Champion	UMRM	M	MEX: Tamaulipas [,] Bocatoma, 7 Km SSE [,] Gomez Farias: Jan. [,] 5-7, 81: E. Riley
<i>Teleonemia notata</i> Champion	UMRM	F	MEX: Tamaulipas [,] Bocatoma, 7 Km SSE [,] Gomez Farias: Jan. [,] 5-7, 81: E. Riley
<i>Teleonemia notata</i> Champion	UMRM	M	MEX: Tamaulipas [,] Bocatoma, 7 Km SSE [,] Gomez Farias: Dec. [,] 30-31, 1980: E. Riley
<i>Teleonemia notata</i> Champion	UMRM	F	MEX: S. L. P., 2.4 [,] mi. N. State Border [,] of Hhidalgo&SLP [,] Jan.4-81: E. Riley
<i>Teleonemia notata</i> Champion	USNM	M	PANAMA 1959 [,] Boquete x [,] NLHKrauss
<i>Teleonemia notata</i> Champion	WSUC	F	GUATEMALA: Huchuetenango [,] Dept. ca 9 km NNE of Barillas, Reserva Natural Protegida Yal [,] Unin Yul Witz, 13-14 July 2018 [,] N 15.86946 W91.27551° 1075m [,] R. S. Zack collector sweeping
<i>Teleonemia notata</i> Champion	WSUC	F	GUATEMALA: Huchuetenango [,] Dept. ca 9 km NNE of Barillas, Reserva Natural Protegida Yal [,] Unin Yul Witz, 13-14 July 2018 [,] N 15.86946 W91.27551° 1075m [,] R. S. Zack collector sweeping
<i>Teleonemia notata</i> Champion	WSUC	F	GUATEMALA: Alta Verapaz [,] Dept. Rt CA-16, San Antonio [,] Las Cuevas (turn off to Rt 5) [,] 177m N15.87270° W90.09791°[,] 7 June 2016, R. S. Zack sweep
<i>Teleonemia notata</i> Champion	WSUC	M	GUATEMALA: Alta Verapaz [,] Dept. Rt CA-16, San Antonio [,] Las Cuevas (turn off to Rt 5) [,] 177m N15.87270° W90.09791°[,] 7 June 2016, R. S. Zack sweep
<i>Teleonemia notata</i> Champion	MNHN	M	TRINIDAD [,] IV-V 1976 [,] J. CARAYON REC.; MUSEUM PARIS
<i>Teleonemia notata</i> Champion	MNHN	M	TRINIDAD [,] IV-V 1976 [,] J. CARAYON REC.; MUSEUM PARIS
<i>Teleonemia notata</i> Champion	MNHN	M	TRINIDAD [,] IV-V 1976 [,] J. CARAYON REC.; MUSEUM PARIS
<i>Teleonemia notata</i> Champion	NHMUK	F	SYN- [,] TYPE; Type; El Tumbador, [,] Guatemala. [,] Champion.; B. C. A. Rhync. II. [,] Teleonemia [,] notata Ch.; [Drawing of rostral cannal]; ♀; NHMUK 011253985
<i>Teleonemia notata</i> Champion	NHMUK	F	Tocoy, [,] Vera Paz. [,] Champion.; B. C. A. Rhync. II. [,] Teleonemia [,] notata Ch.
<i>Teleonemia notata</i> Champion	NHMUK	M	Cordoba; Mexico. [,] Salle Coll. ; B. C. A. Rhync. II. [,] Teleonemia [,] notata Ch.
<i>Teleonemia notata</i> Champion	NHMUK	M	SYN- [,] TYPE; V. de Chiriqui. [,] 4000-6000 ft. [,] Champion.; B. C. A. Rhync. II. [,] Teleonemia [,] notata Ch.; ♂; NHMUK 011253986

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia notata</i> Champion	NHMUK	F	Bugaba, [,] Panama. [,] Champion. ; Sp. figured; B. C. A. Rhync. II. [,] <i>Teleonemia</i> [,] <i>notata</i> Ch.; LECTOTYPE (♀) [,] <i>Teleonemia</i> [,] <i>notata</i> [,] Champion [,] Det. A. H. Knudson 20 [/over] center specimen
<i>Teleonemia notata</i> Champion	NHMUK	MF	Atoyac, [,] Vera Cruz [,] April. H. H. S. ; B. C. A. Rhync. II. [,] <i>Teleonemia</i> [,] <i>notata</i> Ch.
<i>Teleonemia notata</i> Champion	NHMUK	F	Orizaba. [,] H. S. & F. D. G. [,] Dec. 1887; B. C. A. Rhync. II. [,] <i>Teleonemia</i> [,] <i>notata</i> Ch.
<i>Teleonemia</i> n. sp. 1	INBio	U	COSTA RICA. Prov. Puntarenas. Garabito. Finca Queb. Bonita-Garabu. La Fila. 100-150m. 23-24 NOV 2008. Zumbado, Hernández, Azofeifa, Moraga. Amarilla. LS_391360_397860 #95320; INB0004184012
<i>Teleonemia</i> n. sp. 1	INBio	U	COSTA RICA. Prov. Puntarenas. P.N. Carara. Estación Quebrada Bonita. 11 MAR 1994. M. Epstein. L_N_194500_469850 #76218; INB0003801444
<i>Teleonemia</i> n. sp. 1	INBio	U	COSTA RICA. Prov. Guanacaste, Pueblo Ostional, Orilla de Quebrada Biscoyol, 0 - 5m, 16 JUN 2004, D. Briceño, Red de Golpe, L_N_221090_349100 #77415; INB0004089549
<i>Teleonemia</i> n. sp. 1	INBio	U	Est. Quebrada Bonita, R.B. Carara, Puntarenas, Costa Rica. 100m. MAY-JUN 1989. R. Zuniga, L_N_195250_469850 #7434; INB0004135593
<i>Teleonemia</i> n. sp. 1	TAMU	M	MEXICO: Oaxaca [,] Puerto Escondido [,] July 15, 1985 [,] Jones, Schaffner
<i>Teleonemia</i> n. sp. 1	TAMU	F	MEXICO: Oaxaca [,] Puerto Escondido [,] July 15, 1985 [,] Jones, Schaffner
<i>Teleonemia</i> n. sp. 1	TAMU	F	MEXICO: Oaxaca [,] Puerto Escondido [,] July 15, 1985 [,] Jones, Schaffner
<i>Teleonemia</i> n. sp. 1	TAMU	F	MEXICO: Oaxaca [,] Puerto Escondido [,] July 15, 1985 [,] Jones, Schaffner
<i>Teleonemia</i> n. sp. 1	TAMU	F	MEXICO: Oaxaca [,] Puerto Escondido [,] July 15, 1985 [,] Jones, Schaffner
<i>Teleonemia</i> n. sp. 1	UIDC	F	MEXICO, Jalisco [,] Est. Biol. Chamela [,] 17-X-1996 [,] R. L. Westcott
<i>Teleonemia</i> n. sp. 1	USNM	F	COSTA RICA [,] Mata de Limón [,] Pacif; Aug 1972 [,] J Maldonado C
<i>Teleonemia</i> n. sp. 2	INBio	U	Rancho Quemado, Pen. Osa, Prov. Punt, COSTA RICA, F. Quesada, Abr 1991, L- S 292500_511000; INBIOCRI000354636
<i>Teleonemia</i> n. sp. 2	INBio	U	Rancho Quemado, Pen. Osa, Prov. Punt, COSTA RICA, F. Quesada, Abr 1991, L- S 292500_511000; INBIOCRI000354637
<i>Teleonemia</i> n. sp. 2	INBio	U	Rancho Quemado, Pen. Osa, Prov. Punt, COSTA RICA, F. Quesada, Abr 1991, L- S 292500_511000; INBIOCRI000354653
<i>Teleonemia</i> n. sp. 3	TAMU	M	COSTA RICA: Heredia [,] Estación Biológica La Selva [,] 50-150 m, 10°26'N, 84°01'W [,] IV-4-6-2003, E. G. Riley; TAMU - ENTO [,] X0775140
<i>Teleonemia</i> n. sp. 4	UCDC	M	PANAMA Darien: [,] Cana 560-800m [,] 7°43'N, 77°42'W [,] 26.viii.1987 [,] D. M. Olson#772
<i>Teleonemia</i> n. sp. 4	UGCA	M	HONDURAS: Atlántida [,] PN Pico Bonito, Rio [,] Zacate, mv, 16 May 2002 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 4	USNM	M	COSTA RICA: Prov. [,] Heredia, F. La Selva [,] 3 km S Pto. Viejo [,] 10°26' N 84°01'W; 31-vii-1976 [,] H. A. Hespenheide; <i>Teleonemia</i> [,] n. sp. near [,] morio [,] Det. A. H. Knudson 2017
<i>Teleonemia</i> n. sp. 4	USNM	F	Panama-Canal Z. [,] Pipeline Rd. [,] Canopy Knockdown [,] Luhea seemanni [,] 24 Oct.1975
<i>Teleonemia</i> n. sp. 5	MZLU	M	Peru: Junin, Satipo [,] 19.I.1984 [,] leg. L. Huggert; MZLU [,] 2019 [,] 104
<i>Teleonemia</i> n. sp. 5	MZLU	M	Peru: Junin, Satipo [,] 19.I.1984 [,] leg. L. Huggert; MZLU [,] 2019 [,] 104
<i>Teleonemia</i> n. sp. 5	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia</i> n. sp. 5	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia</i> n. sp. 5	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia</i> n. sp. 5	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia</i> n. sp. 5	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia</i> n. sp. 5	TAMU	F	ECUADOR: Napo Prov. [,] 12 km. SW Estación [,] Científica Yasuní, IX-7-[,] 1999, E. G. Riley; TAMU - ENTO [,] X1148935
<i>Teleonemia</i> n. sp. 6	SEMC	F	GUYANA: Region 8, Iwokrama [,] Forest, Turtle Mt. base camp [,] 50m, 4°43'5"N, 58°43'5"W [,] 31-V-2001; E. Charles [,] ex: beating vegetation [,] GUY1BF01 074; SM0545038 [,] KUNHM-ENT; <i>Teleonemia</i> [,] n. sp. [,] Det. A. H. Knudson 2020
<i>Teleonemia</i> n. sp. 6	SEMC	F	GUYANA: Region 8, Iwokrama [,] Forest, Turtle Mt. base camp [,] 50m, 4°43'5"N, 58°43'5"W [,] 31-V-2001; E. Charles [,] ex: beating vegetation [,] GUY1BF01 074; SM0545032 [,] KUNHM-ENT
<i>Teleonemia</i> n. sp. 7	CNC	F	COLOM., 1500' [,] Anchicaya [,] VII.23.1970 [,] J. M. Campbell; CNC [,] 1188774; <i>Teleonemia</i> [,] n. sp. [,] Det. A. H. Knudson 2022
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775875
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775821
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775824
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775871
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775822
<i>Teleonemia</i> n. sp. 8	OSUC	M	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775823
<i>Teleonemia</i> n. sp. 8	OSUC	F	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775872
<i>Teleonemia</i> n. sp. 8	OSUC	F	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775873
<i>Teleonemia</i> n. sp. 8	OSUC	F	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775876
<i>Teleonemia</i> n. sp. 8	OSUC	F	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775874
<i>Teleonemia</i> n. sp. 8	OSUC	F	PERU,TingoMaria [,] July 19, 1948 [,] E. J. Hambleton ; OSUC 775825
<i>Teleonemia</i> n. sp. 9	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley; TAMU - ENTO [,] X1135587
<i>Teleonemia</i> n. sp. 9	TAMU	M	ECUADOR: Napo Prov. [,] 12 km. SW Estación [,] Científica Yasuní, IX-7-[,] 1999, E. G. Riley; TAMU - ENTO [,] X1140277
<i>Teleonemia</i> n. sp. 10	Chaboo	M	PERU: Cusco: Villa Carmen [,] field station, 500 meters east of [,] cafeteria 12.89459°S 7139928°W [,] 504m 31.V.2011 D. J. Bennett [,] beating branches& fumigant [,] PER-11-DJB-049
<i>Teleonemia</i> n. sp. 11	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] 1 km NE Coroico, 1335 m. [,] 16.18°S, 67.72°W, [,] 16-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC135018
<i>Teleonemia</i> n. sp. 12	CMNH	M	GUYANE: [,] Grand Matoury [,] (near Cayenne) [,] 4 August 1996 [,] D. a. Pollock
<i>Teleonemia</i> n. sp. 12	CMNH	F	GUYANE: [,] Grand Matoury [,] (near Cayenne) [,] 4 August 1996 [,] D. a. Pollock
<i>Teleonemia</i> n. sp. 13	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Rio [,] Cerdo Mayo, nr. Cerdo Mayo, [,] 16.231°S, 67.749°W, [,] 30-IV-2005, S. M. Clark
<i>Teleonemia</i> n. sp. 14	TAMU	M	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188739
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188731

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188732
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188740
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188741
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188742
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188743
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188744
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188745
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188746
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188747
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188748
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188771
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188750
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188751
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188752
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188753
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188754
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188755
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,] 11-56 Pena; CNC [,] 1188756
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188749
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188757
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188758
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188761
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188767
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188768
<i>Teleonemia chilensis</i> (Reed)	CNC	M	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188769
<i>Teleonemia chilensis</i> (Reed)	CNC	F	La Balsa 850m [,] Cordillera Parral [,]27-11-56 Pena; CNC [,] 1188770
<i>Teleonemia chilensis</i> (Reed)	CNC	M	Enco, Chile. [,] Valdiva. [,] 26-II-1955; CNC [,] 1188760
<i>Teleonemia chilensis</i> (Reed)	CNC	F	Enco, Chile. [,] Valdiva. [,] 26-II-1955; CNC [,] 1188762
<i>Teleonemia chilensis</i> (Reed)	CNC	F	Enco, Chile. [,] Valdiva. [,] 26-II-1955; CNC [,] 1188763
<i>Teleonemia chilensis</i> (Reed)	CNC	M	Enco, Chile. [,] Valdiva. [,] 26-II-1955; CNC [,] 1188764
<i>Teleonemia chilensis</i> (Reed)	CNC	M	Enco, Chile. [,] Valdiva. [,] 26-II-1955; CNC [,] 1188765
<i>Teleonemia chilensis</i> (Reed)	CNC	F	Pichinahuel, [,] Cord. Nahuelbuta [,] Arauco, CHILE [,] 18 II -1959 [,] L. Pena; CNC [,] 1188759
<i>Teleonemia chilensis</i> (Reed)	SEMC	M	Chile: Nuble [,] P., 15km S. [,] E. Recinto [,] I-31-1968; Collectors: L & [,] C. W. O'Brien; Ashlock Coll'n [,] Bequest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia chilensis</i> (Reed)	SEMC	F	Chile: Nuble [,] P., 15km S. [,] E. Recinto [,] I-31-1968; Collectors: L & [,] C. W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Teleonemia chilensis</i> (Reed)	SEMC	F	CHILE: Curicó Prov. [,] La Jaula, Cordillera [,] de Curicó, Los Queñes [,] 14-18 Febuary 1965 [,] Luis E. Peña; Ashlock Coll'n [,] Bequest
<i>Teleonemia chilensis</i> (Reed)	SEMC	F	CHILE: Curicó Prov. [,] La Jaula, Cordillera [,] de Curicó, Los Queñes [,] 14-18 Febuary 1965 [,] Luis E. Peña; Ashlock Coll'n [,] Bequest
<i>Teleonemia chilensis</i> (Reed)	SEMC	F	CHILE: Curicó Prov. [,] Rio Teno, Cordillera [,] de Curicó, 1300m [,] 7-14 Febuary 1965 [,] Luis E. Peña
<i>Teleonemia chilensis</i> (Reed)	SEMC	F	CHILE: Curicó Prov. [,] Rio Teno, Cordillera [,] de Curicó, 1300m [,] 7-14 Febuary 1965 [,] Luis E. Peña
<i>Teleonemia</i> n. sp. 16	DARC	F	PARAG: CORDILLERA [,] Inst. Agro. Nac., [,] Caacupé: Jan.-17- [,] 20-83 : E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia</i> n. sp. 17	CNC	F	ElSalvador [,] Sonzacate [,] June25'58 [,] LJBottimer; CNC [,] 1188797
<i>Teleonemia</i> n. sp. 17	MZLU	F	Guatemala: EL PROGRESO, [,] 17 km S La Cumbre, [,] (Baja Verapaz), 900 M., 26.XI.1991 [,] leg. R. Baranowski; MZLU [,] 2019 [,] 103
<i>Teleonemia</i> n. sp. 17	MZLU	M	Guatemala: EL PROGRESO, [,] 17 km S La Cumbre, [,] (Baja Verapaz), 900 M., 26.XI.1991 [,] leg. R. Baranowski
<i>Teleonemia</i> n. sp. 17	SEMC	F	HONDURAS: Francisco [,] Morazán, Zamorano [,] 27 VI 199414°N, 87°W [,] 820m,Ashe,Brooks #227 [,] ex: beating foliage
<i>Teleonemia</i> n. sp. 17	UDCC	M	BELIZE Cayo District, [,] nr TeakettleBank [,] Pooks'sHill 9-I-2003 [,] CRBartlett
<i>Teleonemia</i> n. sp. 17	UGCA	F	MEXICO: Chiapas [,] 1 km. S Ocosingo [,] 18 Oct. 1988 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 17	UGCA	M	MEXICO: Chiapas [,] hwy. 195, 15 km. S jct. [,] hwy. 190, 15 Oct. 1988 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 17	UGCA	M	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 17	UGCA	M	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 17	UGCA	M	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 17	UGCA	F	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia</i> n. sp. 18	NHMUK	M	on Spondias [,] mombin Linnaeus; a few[,] macro-epiphytes [,] on trunk, many [,] lianas on crown.; PANAMA CANAL ZONE: [,] Colon: Humid forest. [,] Canopy fogging. [,] 2-14 .vii.1979; E. Broadhead et al. [,] B.M. 1979-125
<i>Teleonemia</i> n. sp. 18	NHMUK	M	on Spondias [,] mombin Linnaeus; a few[,] macro-epiphytes [,] on trunk, many [,] lianas on crown.; PANAMA CANAL ZONE: [,] Colon: Humid forest. [,] Canopy fogging. [,] 2-14 .vii.1979; E. Broadhead et al. [,] B.M. 1979-125
<i>Teleonemia</i> n. sp. 18	NHMUK	M	PANAMA Panamá prov. [,] Panamá City [,] Parque National Metropolitano [,] 8°59'40.4"N, 79°32'34.7"W [,] canopy crain sample [,]L. SEKERKA lgt. 11.x.2007; BMNH {E} [,] 2009-56 [,] L. Sekerka
<i>Teleonemia</i> n. sp. 19	CNC	F	ECUADOR: [,] Sucumbios, Sacha [,] Lodge, 0.5°S, 76.5°W, [,] 23.IV.-4V.1994, 270m [,] P. Hibbs, malaise trap; CNC [,] 1188790
<i>Teleonemia</i> n. sp. 20	CNC	F	ECUADOR: [,] Sucumbios, Sacha [,] Lodge, 0.5°S, 76.5°W, [,] 23.IV.-4V.1994, 270m [,] P. Hibbs, malaise trap; CNC [,] 1188789
<i>Teleonemia</i> n. sp. 21	UGCA	F	BOLIVIA: Santa Cruz [,] 3.7 km SSE Buena Viasta [,] Hotel Flora Fauna [,] 17°29'S 63° 33'W [,] A. R. Cline, FIT #1
<i>Teleonemia</i> n. sp. 22	CNC	F	ECUADOR: Sucumbios [,] 0.5°S, 76.5°W, 12-22. [,] II.1995, P. Hibbs, [,] Mts., 270m; CNC [,] 1188792
<i>Teleonemia</i> n. sp. 23	BYUC	F	BOLIVIA, Dpto. Beni, [,] Prov. Marbán, 0.8 km NW [,] Puente Caimanes, 180 m. [,] 15.158°S, 64.056°W, [,] 10-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC128209
<i>Teleonemia</i> n. sp. 24	BYUC	M	BOLIVIA, Cochabamba, [,] Prov. Arani, 9 km SW [,] of Tiraque, 17.494°S, [,] 65.779°W, 3048 m, [,] 3-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC124952
<i>Teleonemia</i> n. sp. 25	NHMUK	U	Sacchari [,] Fabr. ; Tres Xloas; Coll Camille [,] Van Volxem.; Distant Coll. [,] 1911-383.
<i>Teleonemia</i> n. sp. 25	NHMUK	U	Tres Xloas; Coll Camille [,] Van Volxem.; Distant Coll. [,] 1911-383.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia</i> n. sp. 25	NHMUK	0	Tres Xloas; Coll Camille [,] Van Volxem.; Distant Coll. [,] 1911-383.
<i>Teleonemia</i> n. sp. 25	NHMUK	0	Tres Xloas; Coll Camille [,] Van Volxem.; Distant Coll. [,] 1911-383.
<i>Teleonemia</i> n. sp. 25	NHMUK	M	RioJaneiro [,] N.Dorckioc; rio janeiro; Teleonemia [,] sacchari F.
<i>Teleonemia</i> n. sp. 25	NHMUK	F	PETROPOLIS [,] Feb.y 1857 [,] H. Clark
<i>Teleonemia</i> n. sp. 25	CMNH	F	PARAGUAY: Cordillera [,] Prov., San Bernardion [,] Oct 16 1955 [,] H. E. Milliron
<i>Teleonemia</i> n. sp. 25	CUIC	M	Diamantina, Minas [,] Geraes. BRAZIL [,] 14.18Nov'19Cornell [,] University Exped.; Teleonemia [,] proluxa [,] Stål; Cornell U. [,] Lot. 833 [,] Sub. 10
<i>Teleonemia</i> n. sp. 25	DARC	F	BRAZIL: São Paulo [,] Cipó [,] 12 January 1975, [,] Coll. V. N. Alin; D. A. Rider [,] Collection
<i>Teleonemia</i> n. sp. 25	DARC	M	BRAZIL: São Paulo [,] São Paulo [,] 2 September 1976 [,] Coll. V. N. Alin; D. A. Rider [,] Collection
<i>Teleonemia</i> n. sp. 25	KSUC	M	BRAZIL: Parana [,] Curitiba [,] II-6-1961 [,] N. Marston-3
<i>Teleonemia</i> n. sp. 25	LSAM	M	12/V/1936 [,] Brazilien [,] Nova Teutonia [,] 27° 11' B, 52° 23' L [,] Fritz Plaumann
<i>Teleonemia</i> n. sp. 25	LSAM	F	1/X/1939 [,] Brazilien [,] Nova Teutonia [,] 27° 11' B, 52° 23' L [,] Fritz Plaumann
<i>Teleonemia</i> n. sp. 25	LSAM	M	New Teutonia [,] Brazil [,] Oct. 18, 1927
<i>Teleonemia</i> n. sp. 25	LSAM	F	New Teutonia [,] Brazil [,] Oct. 18, 1927
<i>Teleonemia</i> n. sp. 25	LSAM	M	New Teutonia [,] Brazil [,] Oct. 18, 1927
<i>Teleonemia</i> n. sp. 25	LSAM	M	New Teutonia [,] Brazil [,] Oct. 18, 1927
<i>Teleonemia</i> n. sp. 25	LSAM	F	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann
<i>Teleonemia</i> n. sp. 25	LSAM	M	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann
<i>Teleonemia</i> n. sp. 25	TAMU	F	Viçosa - MG [,] Brasil, 11/04/90 [,] G. A. R. Melo; Tingidae; FIUZA [,] RMS
<i>Teleonemia</i> n. sp. 25	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] May 1976 [,] Fritz Plaumann
<i>Teleonemia</i> n. sp. 25	UGCA	F	PARAGUAY, Dept. [,] Central, Capitata [,] 7-7-1968 [,] C. W. & L. O'Brien
<i>Teleonemia</i> n. sp. 26	NHMUK	F	on Spondias [,] radlkoferi D. S.; a few[,] macro-epiphytes [,] on trunk, some [,] lianas on crown.; PANAMA CANAL ZONE: [,] Colon: Humid forest. [,] Canopy fogging. [,] 2-14 .vii.1979; E. Broadhead et al. [,] B.M. 1979-125 Ibicaresic Brazil [,] Sept. 60 [,] Plaumann; CNC [,] 1188682
<i>Teleonemia</i> n. sp. 26	CNC	F	Colom., Valle [,] Pichinde, VII. [,] 19.1970, 5,000' [,] J. M. Campbell; CNC [,] 1188773
<i>Teleonemia</i> n. sp. 28	CNC	M	Colom., Valle [,] Pichinde, VII. [,] 19.1970, 5,000' [,] J. M. Campbell; CNC [,] 1188775
<i>Teleonemia</i> n. sp. 28	CUIC	M	La Cumbre [,] Colombia [,] VI-2-14 6600ft [,] H.S. Parish
<i>Teleonemia</i> n. sp. 28	CUIC	F	Lima PERU [,] 16 May 1920; Cornell Univ. Ex-[,] pedetion. Lot 569; Cornell U. [,] Lot. 833 [,] Sub. 10
<i>Teleonemia</i> n. sp. 28	OSUC	M	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775826
<i>Teleonemia</i> n. sp. 28	OSUC	F	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775827
<i>Teleonemia</i> n. sp. 28	OSUC	F	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775828
<i>Teleonemia</i> n. sp. 28	OSUC	M	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775829
<i>Teleonemia</i> n. sp. 28	OSUC	M	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775830
<i>Teleonemia</i> n. sp. 28	OSUC	M	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775831

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia</i> n. sp. 28	OSUC	M	PERU Cañete [,] June 1942 [,] EJHambleton; OSUC 775832
<i>Teleonemia</i> n. sp. 28	SEMC	M	Chosica Peru [,] 16.VI.14 S.A. [,] H. S. Parish; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia</i> n. sp. 28	SEMC	F	Chosica Peru [,] 16.VI.14 S.A. [,] H. S. Parish; J. R. de la [,] Torre-Bueno [,] Collection K. U.
<i>Teleonemia</i> n. sp. 29	CNC	F	JAMAICA, Try. [,] Good Hope [,] VIII.17.1966 [,] H. F. Howden; CNC [,] 1188888
<i>Teleonemia</i> n. sp. 29	CNC	M	JAMAICA, Try. [,] Good Hope [,] VIII.17.1966 [,] H. F. Howden; CNC [,] 1188889
<i>Teleonemia</i> n. sp. 29	CNC	M	JAMAICA, Try. [,] Good Hope [,] VIII.17.1966 [,] H. F. Howden; CNC [,] 1188890
<i>Teleonemia</i> n. sp. 29	CNC	F	JAMAICA, St. [,] Ann, Moneaque [,] VIII.20.1966 [,] A. T. Howden; CNC [,] 1188903
<i>Teleonemia</i> n. sp. 30	BYUC	M	BOLIVIA, [,] Dpto. Cochabamba, [,] Prov. Chapare, Incachaca [,] 17.24°S, 65.82°W, 2270 m, [,] 20-IV-2005, S. M. Clark
<i>Teleonemia</i> n. sp. 30	BYUC	F	BOLIVIA, Dpto. La Paz [,] Prov. Nor Yungas, 1.5 km [,] S. of Coroico, 16.204°S, [,] 67.727°W, elev. 1830 m, [,] 16-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC120000
<i>Teleonemia</i> n. sp. 30	EMEC	M	SOUTH AMERICA [,] PARAGUAY: N San [,] Pedro I-9-1972; EMEC [,] 1252403
<i>Teleonemia</i> n. sp. 30	UGCA	M	BOLIVIA Santa Cruz [,] 4-5k N Achira, Rd. to [,] Amboro 12-13 Oct. [,] 2000 Wappes & Dozier
<i>Teleonemia</i> n. sp. 30	UGCA	M	BOLIVIA Santa Cruz [,] 4-5k N Achira, Rd. to [,] Amboro 12-13 Oct. [,] 2000 Wappes & Dozier
<i>Teleonemia</i> n. sp. 30	UGCA	F	BOLIVIA Santa Cruz [,] 4-5k N Achira, Rd. to [,] Amboro 12-13 Oct. [,] 2000 Wappes & Dozier
<i>Teleonemia</i> n. sp. 31	BYUC	M	BOLIVIA, Dpto. Sta. Cruz, [,] Provincia Florida, [,] 4 km S. Samaipata, 1891 m, [,] 18.216°S, 63.870°W, [,] 5-III-2016, S. M. Clark
<i>Teleonemia</i> n. sp. 31	BYUC	M	BOLIVIA, Dpto. Sta. Cruz, [,] Provincia Florida, [,] 4 km S. Samaipata, 1891 m, [,] 18.216°S, 63.870°W, [,] 5-III-2016, S. M. Clark
<i>Teleonemia</i> n. sp. 31	BYUC	F	BOLIVIA, Dpto. Sta. Cruz, [,] Prov. Florida, 4.8 km E. [,] of Samaipata, 18.174°, [,] 63.830°W, 1558 m. [,] 6-III-2016, S. M. Clark
<i>Teleonemia</i> n. sp. 32	NHMUK	F	Salta, Salta [,] 10-III-1939 [,] Biraben-Scott leg.
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pankarani, elev. 6000 ft., [,] 16° 12.76'S, 67° 43.54'W [,] 12-XII-2008, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pankarani, elev. 6000 ft., [,] 16° 12.76'S, 67° 43.54'W [,] 12-XII-2008, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pankarani, 16° 12.8'S, [,] 67° 43.54'W, elev. 6000 ft., [,] 29-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pankarani, 16° 12.8'S, [,] 67° 43.54'W, elev. 6000 ft., [,] 29-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pankarani, 16° 12.8'S, [,] 67° 43.54'W, elev. 6000 ft., [,] 30-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, near Coroico, [,] 16°11.2'S, 67°43.4'W, 5090 ft., [,] 30-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, near Coroico, [,] 16°11'S, 67°44'W, 5130 ft., [,] 12-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, [,] near Coroico, [,] 30-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, [,] near Coroico, [,] 30-XI-2011, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, [,] near Coroico, [,] 30-XI-2011, S. M. Clark

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Paco, near Coroico, [,] 16°11'S, 67°43'W, 5400 ft., [,] 13-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Coroico, 16.188°S, [,] 67.728°W, elev. 1750 m, [,] 3-V-2006, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Coroico, 16.188°S, [,] 67.728°W, elev. 1750 m, [,] 3-V-2006, S. M. Clark
<i>Teleonemia</i> n. sp. 32	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Coroico, 16.188°S, [,] 67.728°W, elev. 1750 m, [,] 3-V-2006, S. M. Clark
<i>Teleonemia</i> n. sp. 32	CUIC	F	Parque Aconquija[,] Tucuman Argentina [,] 24 Feb'20. Cornell [,] University Exped.
<i>Teleonemia</i> n. sp. 33	NHMUK	F	Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith [,] 28; 95-206.; <i>Teleonemia</i> [,] <i>bifaciata</i> [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia</i> n. sp. 33	NHMUK	M	Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith [,] 28; 114; 95-206.
<i>Teleonemia</i> n. sp. 33	NHMUK	F	Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith ; 95-206.; 114
<i>Teleonemia</i> n. sp. 33	NHMUK	M	Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith [,] 28; 95-206.
<i>Teleonemia</i> n. sp. 33	NHMUK	M	Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith; 95-206.; <i>Teleonemia</i> [,] N. sp. 2 [,] GCC
<i>Teleonemia</i> n. sp. 33	NHMUK	M	106; Mount Gay Est. [,] (Leeward side) [,] Grenada, W. I. [,] H. H. Smith [,]; 95-206.
<i>Teleonemia</i> n. sp. 33	NHMUK	M	Balthazar [,] (Windward side) [,] Grenada, W. I. [,] H. H. Smith [,] 28; 95-206.; 95-206.
<i>Teleonemia</i> n. sp. 33	NHMUK	M	27; Balthazar [,] (Windward side) [,] Grenada, W. I. [,] H. H. Smith
<i>Teleonemia</i> n. sp. 34	TAMU	F	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia</i> n. sp. 34	TAMU	F	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia</i> n. sp. 34	TAMU	F	VENEZUELA: Merida [,] 5 km. nw. Timotes [,] 1400 meters [,] January 3, 1986 [,] P. Kovarik, R. Jones
<i>Teleonemia</i> n. sp. 34	TAMU	M	VENEZUELA: Merida [,] 3 miles north Cubrio [,] 1200 meters [,] December 27, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia</i> n. sp. 34	TAMU	F	VENEZUELA: Merida [,] 3 miles north Cubrio [,] 1200 meters [,] December 27, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia</i> n. sp. 35	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Shrubs on hillside [,] 1 mile N. E. [,] of town. 5.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Shrubs on hillside [,] 1 mile N. E. [,] of town. 5.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Shrubs on hillside [,] 1 mile N. E. [,] of town. 5.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Shrubs on hillside [,] 1 mile N. E. [,] of town. 5.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] Shrubs on hillside [,] 1 mile N. E. [,] of town. 2.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 8.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 8.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 2.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 2.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 2.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	NHMUK	F	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1 km. E. of town. [,] At edge of [,] woodland, 2.viii.1971.; P. S. & H. L. Broomfield. [,] B.M. 1971-486.
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	M	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	F	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	BYUC	F	ECUADOR, Prov. Imbabura, [,] Cantón Cotacachi, [,] Peñaherrera, 0°21'N, [,] 78°32'W, elev. 5900 ft., [,] 6-XI-2009, S. M. Clark
<i>Teleonemia</i> n. sp. 35	TAMU	M	PERU: Huanuco Dept., Puente Cinchavito, 25 km S Tingo [,] Maria, 3400'. 11-17-IV- [,] 1987, J. E. Eger, coll.
<i>Teleonemia</i> n. sp. 35	TAMU	M	PERU: Huanuco Dept., Puente Cinchavito, 25 km S Tingo [,] Maria, 3400'. 11-17-IV- [,] 1987, J. E. Eger, coll.
<i>Teleonemia</i> n. sp. 36	CUIC	F	Huigra [,] Ecuador [,] VI-15-14 4500ft [,] H.S. Parish
<i>Teleonemia</i> n. sp. 36	LSAM	F	ECUADOR, Pichincha Pr. [,] 50 km NW Quito, Reserva [,] Maquipuna, # 59 [,] elev. 1350 m. 22 Dec, 1991 [,] C. Carlton, R. Lenchen; LSAM [,] 0297729
<i>Teleonemia</i> n. sp. 36	PERC	M	STO. DOMINGO DE LOS [,] COLORADOS, ECUADOR [,] 5 MAR. 1973 [,] M. & N. DEYRUP
<i>Teleonemia</i> n. sp. 36	PERC	M	Sto. Domingo de los [,] Colorados, Ecuador [,] 27 Feb. 1973 [,] M. & N. Deyrup
<i>Teleonemia</i> n. sp. 38	CUIC	F	3 mi N Alpuyecá [,] Mor. MEX. 3400' [,] IV-3 '59 H. E. Evans
<i>Teleonemia</i> n. sp. 38	CUIC	F	3 mi N Alpuyecá [,] Mor. MEX. 3400' [,] IV-3 '59 H. E. Evans
<i>Teleonemia</i> n. sp. 40	MNHN	M	Guyane française [,] Montagne des [,] Chevaux [,] XII-2008 ; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piége vitre.; Museum Paris [,] MNHN(EH) [,]20611
<i>Teleonemia</i> n. sp. 40	MNHN	F	Guyane française [,] Montagne des [,] Chevaux [,] XII-2008 ; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piége vitre.; Museum Paris [,] MNHN(EH) [,]20609
<i>Teleonemia</i> n. sp. 40	MNHN	F	Guyane française [,] Montagne des [,] Chevaux [,] XII-2008 ; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piége vitre.; Museum Paris [,] MNHN(EH) [,]20612
<i>Teleonemia</i> n. sp. 40	MNHN	F	Guyane française [,] Montagne des [,] Chevaux [,] XII-2008 ; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piége vitre.; Museum Paris [,] MNHN(EH) [,]20613
<i>Teleonemia</i> n. sp. 40	MNHN	F	Guyane française [,] Montagne des [,] Chevaux [,] 31-I-2010 ; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piége vitre.; Museum Paris [,] MNHN(EH) [,]20615
<i>Teleonemia ochracea</i> Champion	NHMUK	F	F; Holo-[.] type; Type; V. de Chiriqui. [,] 4000-6000 ft. [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] ochracea [,] Ch.; Sp. figured; [Drawing of rostral canal]; ♀; NHMUK 011253987

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia paraguayana</i> Drake	JMLC	F	PARAGUAY: Guairá Dept.: [,] Hotel Independencia, vic. [,] Independencia, 10-20-XII-2019 [,] JE Eger & JM Leavengood, 617 ft [,] S 25° 43.069' W 56° 16.443'
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; Caldera, [,] 1200 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	NHMUK	MF	MF; SYN- [,] TYPE; Type; Caldera, [,] 1200 ft. [,] Champion.; Sp. figured; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.; ♂; ♀; NHMUK 011253992; NHMUK 011253993; LECTOTYPE (♂) [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Champion [,] Det. A. H. Knudson 20
<i>Teleonemia picta</i> Champion	NHMUK	M	M; Bugaba, [,] Panama. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>picta</i> [,] Ch.
<i>Teleonemia picta</i> Champion	FSCA	M	COSTA RICA: Puntarenas [,] Prov. Golfito [,] 21-26-VII-1981 H. V. [,] Weems Jr., G. B. Edwards [,] Forest edge
<i>Teleonemia picta</i> Champion	INBio	U	Rancho Quemado, 200m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, D. Brenes, Abr 1992, L- S 292500_511000; INBIOCRI000408643
<i>Teleonemia picta</i> Champion	UGCA	F	PANAMA: Bayano [,] 18.4 km. W Ipeti [,] 25 Feb. 1999 [,] R. Turnbow
<i>Teleonemia pilicornis</i> Champion	NHMUK	M	M; Holo-[,] type; Type; Zapote, [,] Guatemala. [,] G. C. Champion; Sp. figured; [Drawing of rostral cannal]; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>pilicornis</i> [,] Ch.; ♂; NHMUK 011253994
<i>Teleonemia pilicornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Bagaces, Estación Palo Verde, 10 - 50m, 15 NOV 2004, M. Moraga, Red Noyes, L_N_259098_388353 #78878; INB0004155099
<i>Teleonemia pilicornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Bagaces, Estación Palo Verde, 10 - 50m, 15 NOV 2004, M. Moraga, Red Noyes, L_N_259098_388353 #78878; INB0004155100
<i>Teleonemia pilicornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Bagaces, Estación Palo Verde, 10 - 50m, 15 NOV 2004, M. Moraga, Red Noyes, L_N_259098_388353 #78878; INB0004155101
<i>Teleonemia pilicornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Bagaces, Estación Palo Verde, 10 - 50m, 15 NOV 2004, M. Moraga, Red Noyes, L_N_259098_388353 #78878; INB0004155104
<i>Teleonemia pilicornis</i> Champion	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Nicoya, Isla Saino, 0 - 10m, 16 - 20 NOV 2004, W. Porras, B. Gamboa, Y.Cárdenas, M. Moraga, Malaise, L_N_255907_388662 #78874; INB0004388880
<i>Teleonemia pilicornis</i> Champion	TAMU	M	MEXICO: Chiapas [,] 12 km. s. Palenque [,] August 3, 1988 [,] Robert W. Jones
<i>Teleonemia prolixa</i> (Stal)	NHMUK	M	M; Tolé, [,] Panama. [,] Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St.
<i>Teleonemia prolixa</i> (Stal)	NHMUK	F	F; San Juan. [,] Vera Paz. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St.
<i>Teleonemia prolixa</i> (Stal)	NHMUK	F	F; San Juan Bautista, [,] Tobasco. [,] Höge; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	M	M; San Juan Bautista, [,] Tobasco. [,] Höge; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	M	M; San Juan Bautista, [,] Tobasco. [,] Höge; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	MF	MF; Tamahu, [,] Vera Paz. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	F	F; Zapote, [,] Guatemala. [,] G. C. Champion. ; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	MF	MF; Mirandilla, [,] 1700 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stal)	NHMUK	F	F; Cerro Zunil, [,] 4-5000 ft. [,] Champion.; Sp. figured; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stal)	NHMUK	F	F; Cerro Zunil, [,] 4000 ft. [,] Champion.; B. C. A. Rhyn. II. [,] <i>Teleonemia</i> [,] <i>prolixa</i> , St. [,] Var B
<i>Teleonemia prolixa</i> (Stål)	BYUC	M	COSTA RICA, Heredia, [,] Estación El Ceibo, 10km [,] SE La Virgen, 10°20'N, [,] 84°05'W, 450-550 m, [,] 9-IV-2003, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Pacallo, [,] 16.206°S, 67.798°W [,] 29-IV-2005, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Colonia Inca, 15.623°S, [,] 67.492°W, 1500 m, [,] 23-IV-2007 S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Carmen Pampa, [,] 28-IV-2005, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia prolixa</i> (Stål)	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Carmen Pampa, [,] 28-IV-2005, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Carmen Pampa, [,] 28-IV-2005, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Carmen Pampa, [,] 28-IV-2005, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] 1 km NW Padilla, 1052 m. [,] 16.113°S, 67.708°W, [,] 13-III-2016, S. M. Clark; Brigham Young [,] University [,] Arthropod [,] Collection [,] BYUC137088
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] 0.8 km E Coroico, 1052 m. [,] 16.19°S, 67.72°W, 1610 m, [,] 14-III-2016, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] Santa Barbara 16.17°S, [,] 67.72°W, 1050 m, [,] 25-IV-2016, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] 1 km NE Coroico, 1335 m. [,] 16.18°S, 67.72°W, [,] 16-III-2016, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Chica Parque, near Coroico, [,] 16°11.1'S, 67°43.6'W, 5200 ft., [,] 30-XI-2011, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Vagante [,] 16°11'S, 67°41'W, 3650 ft., [,] 12-XI-2009, S. M. Clark
<i>Teleonemia prolixa</i> (Stål)	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Yolosa, 16.286°S, 67.738°W, [,] 1230 m, 5-V-2006, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia prolixa</i> (Stål)	CMNH	F	ECUADOR: Carchi, Chical [,] 1250m 0-56N, 78-11W [,] 5 August 1983 [,] M. Smyers, J. Rawlins
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. , [,] Azulita 14 km S [,] 2.IV.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188929
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. , [,] Azulita 14 km S [,] 2.IV.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188931
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. La. [,] Azulita 2 km NW [,] 11.VI.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188928
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. La. [,] Azulita 2 km NW [,] 11.VI.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188942
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. La. [,] Azulita 2 km NW [,] 11.VI.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188936
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. La. [,] Azulita 2 km NW [,] 11.VI.1988; A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188938
<i>Teleonemia prolixa</i> (Stål)	CNC	M	VENEZUELA [,] Merida St. 3KN [,] Azulita to Cano Zacledo ; 5-IV-1988 [,] A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188939
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA [,] Merida St. [,] Merida-La [,] Montana Sta. ; Collected in [,] pan trap[,] Alt. 2456 m; 3-6-IV-1988 [,] A. T. Finnamore [,] & C. E Baxfield [,] Collectors; CNC [,] 1188930
<i>Teleonemia prolixa</i> (Stål)	CNC	M	1600m. Cer. Choroní [,] Aragua, Venezuela [,] Feb. 26, 1971, [,] H. & A. Hwden; CNC [,] 1188927

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stål)	CNC	F	VENEZUELA Lara: [,] 10.4 km SE of Sinare, [,] Yacumbu, 1800 m, [,] 16-18.v.1998, FIT, [,] J. Ashe, R. Brooks, R. Hanley, [,] #065VEN1ABH98; CNC [,] 1188926
<i>Teleonemia prolixa</i> (Stål)	CNC	M	GUAT. Dpto. Zacapa [,] 3 km NE San Lorenzo [,] 1800 m, Sierra de [,] las Minas, 6.VII. [,] 1986. J. M. Campell; beating mixed [,] vegetation in [,] pine-oak forest; CNC [,] 1188808
<i>Teleonemia prolixa</i> (Stål)	CNC	F	Cerro Campana, [,] 3000' Panama. [,] July 30, 1970, [,] H. & A. Howden; CNC [,] 1188917
<i>Teleonemia prolixa</i> (Stål)	CNC	M	COSTA RICA: San José [,] Tarrazú, San Carlos La [,] Aventura 1075 m [,] 9°35' 07"N 84°07'56"W [,] 27.II.2006, transitional forest [,] S. A. Marshall; CNC [,] 1188778
<i>Teleonemia prolixa</i> (Stål)	CNC	M	COSTA RICA: San José [,] Tarrazú, San Carlos La [,] Aventura 1075 m [,] 9°35' 07"N 84°07'56"W [,] 27.II.2006, transitional forest [,] S. A. Marshall; CNC [,] 1188779
<i>Teleonemia prolixa</i> (Stål)	CUIC	M	Diamantina, Minas [,] Geraes. BRAZIL [,] 14.18Nov'19Cornell [,] University Exped.; Cornell U. [,] Lot. 833 [,] Sub. 10
<i>Teleonemia prolixa</i> (Stål)	DARC	M	C.R., Heredia, La [,] Selva Bio. Sta. 2km.S [,] Pt. Viejo 3-5-VI-1984 [,] Riley, Rider & LeDoux; D. A. Rider [,] Collection
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133783
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133784
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133787
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133794
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133799
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133804
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133832
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133833
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133841
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133850
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estac. Pitilla, 700m, 9km S. Santa Cecilia, Guanac. Pr. COSTA RICA. Oct 1989, C. Moraga & P. Rios, L- N 330200_380200; INBIOCRI000133866
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Est. Pitilla, 700m, 9 km S Sta. Cecilia, P. N. Guanacaste, Prov. Guanacaste, Costa Rica, C. Moraga, 31 mar - 15 abr 1992, L- N 330200_380200; INBIOCRI000725099
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Rio San Lorenzo, 1050m, Tierras Morenas, Z. P. Tenorio, Prov. Guanacaste, Costa Rica, Abril 1992, F. Quesada, L- N 287800_427600; INBIOCRI000844413
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Finca Naranjo Valenciana, 2 km sur Pueblo Nuevo, Sarapiquí, 90m, Prov. Heredia, Costa Rica, 9 a 22 dic 1992, M. Ortiz, L- N 271800_523750; INBIOCRI000911377
<i>Teleonemia prolixa</i> (Stål)	INBio	U	COSTA RICA. Heredia: Est.Biol.La Selva, 50-150m, 10 26 N 84 01 W Jul 1992, INBio-OET; INBIOCRI001243419
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Finca Naranjo Valenciana, 2 km sur Pueblo Nuevo, Sarapiquí, 90m, Prov. Here., COSTA RICA. 4-31 ene 1993, M. Ortiz, L- N 271800_523750; INBIOCRI001302945

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Finca Naranjo Valenciana, 2 km sur Pueblo Nuevo, Sarapiquí, 90m, Prov. Here., COSTA RICA. 4-31 ene 1993, M. Ortiz, L- N 271800_523750; INBIOCRI001303252
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Finca Naranjo Valenciana, 2 km sur Pueblo Nuevo, Sarapiquí, 90m, Prov. Here., COSTA RICA. 4-31 ene 1993, M. Ortiz, L- N 271800_523750; INBIOCRI001303257
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estacion Pitilla, 9 km S. Sta. Cecilia, Prov. Guana, COSTA RICA. 700m. Abr 1994, C. Moraga, L N 330200_380200 # 2841; INBIOCRI001790113
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estacion Pitilla, 9 km S. Sta. Cecilia, Prov. Guana, COSTA RICA. 700m. Abr 1994, C. Moraga, L N 330200_380200 # 2841; INBIOCRI001790114
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Sect. San Ramon, Prov. Alaju, COSTA RICA. 620 m. 11-15 Abr 1994, E. Araya, L N 318100_381900 # 3021; INBIOCRI002097811
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 20 FEB-5 MAR 1995. F. A. Quesada, L N 318100_381900 #4401; INBIOCRI002138353
<i>Teleonemia prolixa</i> (Stål)	INBio	U	Estacion Pitilla 9 km. S. de Santa Cecilia, Prov. Guana, COSTA RICA. 700m. MAR 1995. C. Moraga, L_N_329950_380450 #4357; INBIOCRI002251738
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	M	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	JMLC	F	PARAGUAY: Itapúa Dept.: [,] vic. Pro Cosara Nature Reserve [,] S 26°38.271' W 055°39.850' [,] Elev. 933 ft., 9-10-XII-2019 [,] Coll: JE Eger, W Tyson, JB [,] Heppner & JM Leavengood
<i>Teleonemia prolixa</i> (Stål)	LSAM	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 1.X.1939; LSAM [,] 0297754

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stål)	LSAM	F	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] XII.1939; LSAM [,] 0297761
<i>Teleonemia prolixa</i> (Stål)	LSAM	F	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann; LSAM [,] 0297751
<i>Teleonemia prolixa</i> (Stål)	LSAM	F	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann; LSAM [,] 0297752
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	F	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938
<i>Teleonemia prolixa</i> (Stål)	MZLU	F	Brasilien [,] Nova Teutonia [,] 27°11'B, 52°23'L [,] Fritz Plaumann [,] 22.III.1938; MZLU [,] 2019 [,] 101
<i>Teleonemia prolixa</i> (Stål)	MZLU	F	Costa Rica: Cartago [,] Pariso, P. N. Tapanti [,] 1200-1600m, 5-10.IV.1999 [,] leg. C. Hansson; MZLU [,] 2019 [,] 105
<i>Teleonemia prolixa</i> (Stål)	MZLU	F	Costa Rica: Cartago [,] Pariso, P. N. Tapanti [,] 1200-1600m, 5-10.IV.1999 [,] leg. C. Hansson
<i>Teleonemia prolixa</i> (Stål)	MZLU	M	Honduras: Yoro, [,] Pico Pijol, 2200m [,] 9. III. 1997 [,] leg. C. Hansson; MZLU [,] 2019 [,] 106
<i>Teleonemia prolixa</i> (Stål)	MZUCR	F	COSTA RICA, Heredia Pr. [,] La Selva Biol. Sta. [,] 3 km S Pto. Viejo [,] 10° 26'N 84°01'W; 17-VI-1988 [,] H. A. Hesperheide; 14
<i>Teleonemia prolixa</i> (Stål)	NCSU	F	Nova Teutonia [,] S.C., Brazil [,] July 22, 1943 [,] Remett, Plaumann ; Teleonemia [,] prolixa (Stål) [,] Det. A. H. Knudson 2020; Teleonemia sp. [,] Det. K. F. Horn 1977
<i>Teleonemia prolixa</i> (Stål)	NCSU	F	Nova Teutonia [,] S.C., Brazil [,] July 22, 1943 [,] Remett, Plaumann ; Teleonemia [,] prolixa (Stål) [,] Det. A. H. Knudson 2020
<i>Teleonemia prolixa</i> (Stål)	NCSU	M	PERU [,] Abancay; 13-vii-60 [,] JSalazar
<i>Teleonemia prolixa</i> (Stål)	SEMC	F	COSTA RICA, (S.) Puntarenas [,] Prov., Gromaco, 34km. SE of [,] Potero Grande, on Rio Coto [,] Brus. 21 July 1963, 1000 ft. [,] (C. D. Michner & W. Kerfoot); Teleonemia [,] spp. [,] det. Wenjun Bu, 1997
<i>Teleonemia prolixa</i> (Stål)	SEMC	F	COSTA RICA, (S.) Puntarenas [,] Prov., Gromaco, 34km. SE of [,] Potero Grande, on Rio Coto [,] Brus. 21 July 1963, 1000 ft. [,] (C. D. Michner & W. Kerfoot)
<i>Teleonemia prolixa</i> (Stål)	SEMC	M	COSTA RICA, (S.) Puntarenas [,] Prov., Gromaco, 34km. SE of [,] Potero Grande, on Rio Coto [,] Brus. 21 July 1963, 1000 ft. [,] (C. D. Michner & W. Kerfoot)
<i>Teleonemia prolixa</i> (Stål)	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] prolixa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	Panamá: Prov. Chiriquí [,] 3 km N Hornito [,] Quijada del Diablo [,] 7.viii.1999, el 4100 ft. [,] 8°41'31"N 82°13'46"W [,] J. B. Woolley 99/089
<i>Teleonemia prolixa</i> (Stål)	TAMU	M	PANAMA: Chiriqui Prov. [,] 3 km aaaaW Fortuna Hwy. [,] Oleoducto Rd. 200/017 [,] 8°47'07"N; 82°12'5"W [,] 6-9.i.2001, el. 1085 m [,] M. Yoder & J.B. Woolley
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	PANAMA: Veragua Pr. [,] 8 km W. Sante Fe, [,] Cerro Tute, el 3000 ft [,] 10.viii.1999 [,] 8°30'26"N 81°6'49"W [,] J. C. Schaffner
<i>Teleonemia prolixa</i> (Stål)	TAMU	M	VENEZUELA: Merida [,] 4 km. south Mitisus [,] December 31, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	VENEZUELA: Aragua [,] H. Pittier Nat'l Pk. [,] 13 km. n. Marçay, [,] hwy. 6 May 22, 1990 [,] J. B. Woolley
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	ECUADOR: Napo Prov. [,] Estación Científica Yasuní [,] 00°40'28"S, 76°38'50"W [,] IX-5-10-1999, 215 m [,] Coll. E. G. Riley; TAMU-ENTO [,] X0620305

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	ECUADOR: Pichincha Prov. [,] Tinalandia; 12 km. E. Sto. [,] Domingo de los Colorados. [,] ca. 2500 ft., 11-17-V-1986. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRAZIL: Nova Teutonia, [,] Santa Catarina [,] 27°11' N 52°23' W [,] November , 1971 [,] Fritz Plaumann; Teleonemia [,] proluxa [,] Stål [,] Det. A. H. Knudson 2020
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] Puente Vills, 4300'. [,] 19-24-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] Puente Vills, 4300'. [,] 19-24-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] Puente Vills, 4300'. [,] 19-24-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] Puente Vills, 4300'. [,] 19-24-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] 21 km. W. Chulumani, [,] 4050'. 27-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] 21 km. W. Chulumani, [,] 4050'. 27-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] 21 km. W. Chulumani, [,] 4050'. 27-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BOLIVIA: dpt. La Paz, [,] Prov. Sud Yungas, [,] 21 km. W. Chulumani, [,] 4050'. 27-V-1989. [,] J. E. Eger, coll.
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia proluxa</i> (Stål)	TAMU	F	MEXICO: Veracruz, [,] 1 mi. w. Papatla [,] June 28, 1971 [,] Clark, Murray, [,] Hart, Schaffner

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stål)	TAMU	M	PANAMA: Prov. Panamá [,] 3 km E. El Valle [,] 22.vii.1999, el 2200 ft. [,] 8°35'54"N 80°06'09"W [,] J. C. Schaffner
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	PANAMA: Prov. Panamá [,] 3 km E. El Valle [,] 22.vii.1999, el 2200 ft. [,] 8°35'54"N 80°06'09"W [,] J. C. Schaffner
<i>Teleonemia prolixa</i> (Stål)	TAMU	F	Bijagua, Alajuela, [,] Costa Rica [,] VII-29-1990 [,] W. F. Chamberlain
<i>Teleonemia prolixa</i> (Stål)	UCDC	M	Merida [,] Vzla 1950m [,] IX-13-1973; B Villegas
<i>Teleonemia prolixa</i> (Stål)	UCDC	F	Merida [,] Vzla 1950m [,] IX-13-1973; B Villegas
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	PANAMA: Panama [,] Le Llano-Carti Rd. [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama [,] Cerro Jefe [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	PANAMA: Panama Prov. [,] Cerro Jefe [,] 12 May 1991 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	HONDURAS: El Paraiso [,] Mont Serrat [,] 14 July 2001 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	HONDURAS: Olancho [,] PN La Muralla, Sendero [,] Pizote, 10 June 2003 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	MEXICO: Queretaro [,] 24.9 km. SW Xilitla [,] 4660', 3 June 1987 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	BOLIVIA Santa Cruz [,] 4-6k SSE Buena Vista [,] F&F Hotel 17-19 Oct. 2000 Wappes & Morris
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	BOLIVIA Santa Cruz [,] 4-6k SSE Buena Vista [,] F&F Hotel 17-19 Oct. 2000 Wappes & Morris
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	M	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 26 July 2001 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia prolixa</i> (Stål)	UMRM	M	ECUADOR: Napo Prov. [,] 18 km E Puerto Napo [,] S side Rio Napo: 8 Jan 1989 [,] coll: R. W. Sites [,] in swamp among vegetation
<i>Teleonemia prolixa</i> (Stål)	UMRM	F	ECUADOR: Napo Prov. [,] 18 km E Puerto Napo [,] S side Rio Napo: 8 Jan 1989 [,] coll: R. W. Sites [,] in swamp among vegetation
<i>Teleonemia prolixa</i> (Stål)	UMRM	M	ECUADOR: Napo Prov. [,] ca. 8 km W Misahualli [,] elev. 450 m [,] 5 April 1984 [,] coll: R. W. Sites; Sites/Zack Collecting Expedition I: ECUADOR
<i>Teleonemia prolixa</i> (Stål)	UMRM	F	ECUADOR: Napo Prov. [,] ca. 8 km W Misahualli [,] elev. 450 m [,] 5 April 1984 [,] coll: R. W. Sites; Sites/Zack Collecting Expedition I: ECUADOR
<i>Teleonemia prolixa</i> (Stål)	UMRM	F	ECUADOR: Napo Prov. [,] 23 km E Puerto Napo [,] S side Rio Napo [,] 7 Jan. 1989; in logs [,] coll: R. W. Sites [,]

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prolixa</i> (Stål)	USNM	M	Fort Sherman, C. Z. [,] 9°20'N, 79°58'W [,] 29-XII-75 [,] Col: D. Engleman
<i>Teleonemia prolixa</i> (Stål)	USNM	M	Fort Sherman, C. Z. [,] 9°20'N, 79°58'W [,] 29-XII-75 [,] Col: D. Engleman
<i>Teleonemia prolixa</i> (Stål)	USNM	M	COSTA RICA: [,] 2miW Turrialba [,] 27 August 1972 [,] G. F. & S. Hevel
<i>Teleonemia prolixa</i> (Stål)	USNM	M	Gamboa, C. Z. [,] RioAguaSalud [,] July 1967 [,] W. W. Wirth
<i>Teleonemia prolixa</i> (Stål)	USNM	F	HONDURAS, Liberia [,] 6-IX-1984 (rain [,] forest), C. W. O'Brien
<i>Teleonemia prolixa</i> (Stål)	USNM	M	Leticia, Colomb. [,] Prov. Amazonas [,] April 2-7, 1975 [,] Col: D. Engleman
<i>Teleonemia prolixa</i> (Stål)	USNM	F	NICARAGUA: [,] 5.5miNE Nandaime [,] 24 August 1972 [,] G. F. & S. Hevel
<i>Teleonemia prolixa</i> (Stål)	USNM	F	PANAMA 1959 [,] Boquete x [,] NLHKrauss
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	F	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	F	Ecuador [,] Thal v. Loja b.d Stadt [,] 2200m VIII.1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	?	Ecuador. [,] Pucay, 300 m [,] West-Cordillere. [,] 3.-26. VI. 1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Sabnilla [,] Dr. Ohaus; Ecuador. [,] Sabanilla b. Zamora [,] Prov. Loja [,] X. 1905; Dr. Fr Ohaus leg. [,] id. Vend. 30. 1 1907 [Enter] cfr.Reisebericht 1907.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Niederl. Guyana, [,] Paramaribo. [,] C Heller leg. [,] vend 6. V. 1908.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Niederl. Guyana, [,] Paramaribo. [,] C Heller leg. [,] vend 6. V. 1908.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	F	Santos. [,] Dr. H. Brauns [,] leg. 25. I. 1894. [,] ded. 15. Iv. 1894.; C. J. Drake [,] detrm 1928
<i>Teleonemia prolixa</i> (Stål)	ZMHC	M	Pernambuco. [,] C. Gagzo [,] leg. 8. XII. 1904. [,] ded. 24 1.1905; C. J. Drake [,] detrm 1928
<i>Teleonemia prunellae</i> Drake & Hambleton	NHMUK	F	tropical rainforest [,] general collecting; MEXICO (Vera Cruz) [,] near Montepio, [,] UNAM, Biological [,] Station " Los Tuxtlas". [,] 10-16.vi.1981; W. R. Dolling [,] B. M. 1981-411
<i>Teleonemia prunellae</i> Drake & Hambleton	NHMUK	M	tropical rainforest [,] general collecting; MEXICO (Vera Cruz) [,] near Montepio, [,] UNAM, Biological [,] Station " Los Tuxtlas". [,] 10-16.vi.1981; W. R. Dolling [,] B. M. 1981-411
<i>Teleonemia prunellae</i> Drake & Hambleton	FMNH	M	Guatemala City, [,] Guat. V-15-45' [,] E. J. Hambleton; Det & pres by [,] C. J. Drake; Paratype [,] Teleonemia [,] prunellae [,] D & H; Teleonemia [,] prunellae [,] D & H; Teleonemia [,] prunellae [,] D & H
<i>Teleonemia prunellae</i> Drake & Hambleton	JMLC	M	COSTA RICA: Guanacaste [,] Prov.: Bagaces: Palo Verde [,] Biological Research Station [,] 17-20 August 2010 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127084

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127085
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127090
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127843
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127845
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Palo Verde, 10m, P. N. Palo Verde, Prov. Guanacaste, Costa Rica, 25 a 27 nov 1992, U. Chavarria, L N 259000_388400; INBIOCRI000830565
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Palo Verde, 10m, P. N. Palo Verde, Prov. Guanacaste, Costa Rica, 25 a 27 nov 1992, U. Chavarria, L N 259000_388400; INBIOCRI000830583
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, Prov. Guana, COSTA RICA. 80m. 3-19 SET 1994. F. A. Quesada, Desconocido L_N_347200_320300 #3225; INBIOCRI002034505
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, Prov. Guana, COSTA RICA. 80m. 3-19 SET 1994. F. A. Quesada, Desconocido L_N_347200_320300 #3225; INBIOCRI002034506
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127847
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127849
<i>Teleonemia prunellae</i> Drake & Hambleton	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127850
<i>Teleonemia prunellae</i> Drake & Hambleton	JMLC	M	COSTA RICA: Guanacaste [,] Prov.: Bagaces: Palo Verde [,] Biological Research Station [,] 17-20 August 2010 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia prunellae</i> Drake & Hambleton	MZLU	M	Costa Rica; San Jose, [,] San Pedro, UCR Campus [,] 1200 m, 28. II. 1997 [,] leg. C. Hansson
<i>Teleonemia prunellae</i> Drake & Hambleton	MZLU	M	Costa Rica; San Jose, [,] San Pedro, UCR Campus [,] 1200 m, 28. II. 1997 [,] leg. C. Hansson
<i>Teleonemia prunellae</i> Drake & Hambleton	MZLU	F	Costa Rica; San Jose, [,] San Pedro, UCR Campus [,] 1200 m, 28. II. 1997 [,] leg. C. Hansson
<i>Teleonemia prunellae</i> Drake & Hambleton	SEMC	F	COSTA RICA: San José [,] San Antonio de Esca-[,] zu, 25 mar to 9 April [,] 1984, by malaise trap [,] Sydney A. Cameron
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	M	MEXICO: Veracruz [,] Mpio. Puente Nacional [,] El Crucero, nr. Puente [,] Nacional, VI-13-1997; Wilson & Woolley [,]97/013 [,] screen sweep
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	M	MEXICO: Veracruz [,] Mpio. Puente Nacional [,] El Crucero, nr. Puente [,] Nacional, VI-13-1997; Wilson & Woolley [,]97/013 [,] screen sweep
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	M	MEXICO: Veracruz [,] Mpio. Puente Nacional [,] El Crucero, nr. Puente [,] Nacional, VI-13-1997; Wilson & Woolley [,]97/013 [,] screen sweep
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	MEXICO: Veracruz [,] Mpio. Puente Nacional [,] El Crucero, nr. Puente [,] Nacional, VI-13-1997; Wilson & Woolley [,]97/013 [,] screen sweep
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	MEXICO: Veracruz [,] Mpio. San Andrés Tuxtla [,] Est. Biol. Los Tuxtlas, [,] Vigia 4 Trail, 100m, ; VI-17-22-1997 [,] Wilson & Woolley [,] 97/021 [,] malaise trap
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	M	MEXICO: Veracruz [,] Mpio. San Andrés Tuxtla [,] Est. Biol. Los Tuxtlas, [,] Vigia Trail, 450-700' ; VI-18-1997 [,] Wilson & Woolley [,] 97/027 [,] screen sweep
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	MEXICO: Veracruz [,] Mpio. San Andrés Tuxtla [,] Est. Biol. Los Tuxtlas, [,] Darwin Trail, 120-300' ; screen sweep [,] VI-19-1997 [,] Wilson & Woolley [,] 97/028

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	MEXICO: Tamaulipas [,] 51 miles east of [,] Cd. Victoria [,] October 24, 1985 [,] R. Jones & P. Trevino
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	MEXICO: Colima [,] 9 mi. NE Colima [,] July 18-19, 1983 [,] Schaffner., Kovarik, [,] Harrison
<i>Teleonemia prunellae</i> Drake & Hambleton	TAMU	F	TEXAS: Colorado Co. [,] Columbus, II-1-1989 [,] Coll. R. S. Anderson [,] Berl. Riparian ravine liter
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Challa [,] 16.094°S, 67.696°W, [,] 1075 m, 25-IV-2007, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Huarinillas [,] 16.20°S, 67.80°W, [,] elev. 1140m, 28-IV-2006, [,] S. M. Clark & R. L. Johnson
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Yolosa, 16.286°S, [,] 67.738°W, elev. 1230 m, [,] 3-V-2006, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas, [,] 2 km E. Huarinilla, 1135 m, [,] 16.200°S, 67.777°W, [,] 17-III-2016, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] near Carrasco, 15.724°S, [,] 67.495°W, elev. 1150 m, [,] 23-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] near Huarinilla, [,] 16°13'S, 67°45'W, elev. 4630 ft., [,] 14-XI-2009, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] Santa Rita, 15.709°S, [,] 67.680°W, elev. 510 m, [,] 24-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] San José near Yolosa, [,] 16°14'S, [,] 67°44'W, elev. 4060 ft., [,] 13-XI-2009, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] near Challa, 16.137°S, [,] 67.707°W, 1080 m, [,] 25-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Provincia Nor Yungas [,] near Challa, 16.137°S, [,] 67.707°W, 1080 m, [,] 25-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, Huarinillas [,] 16.20°S, 67.80°W, [,] elev. 1140m, 28-IV-2006, [,] S. M. Clark & R. L. Johnson

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia quechua</i> Monte	BYUC	M	BOLIVIA, Dpet. La Paz, [,] Prov. Nor Yungas, San Antonio, 15.890°S, [,] 67.554°W, elev. 940 m, [,] 25-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	BYUC	F	BOLIVIA, Dpet. La Paz, [,] Prov. Nor Yungas, San Antonio, 15.890°S, [,] 67.554°W, elev. 940 m, [,] 25-IV-2007, S. M. Clark
<i>Teleonemia quechua</i> Monte	DARC	F	BRAZIL: Rondonia. 62 [,] km sw Ariquemes, nr [,] Fzda. Rancho Grande [,] 5-17-X-1993 JE Eger [,] & LB & Cw O'Brien; D. A. Rider [,] Collection
<i>Teleonemia quechua</i> Monte	DARC	F	BRAZIL: Rondonia. 62 [,] km SW Ariquemes, nr. [,] Fzda. Rancho Grande [,] 6-15-XII-1990, DA [,] Rider & JE Eger ; D. A. Rider [,] Collection
<i>Teleonemia quechua</i> Monte	DARC	M	BRAZIL: Rondonia. 62 [,] km SW Ariquemes, nr. [,] Fzda. Rancho Grande [,] 6-15-XII-1990, DA [,] Rider & JE Eger ; D. A. Rider [,] Collection
<i>Teleonemia quechua</i> Monte	MZLU	F	Ecuador: Napo, Sacha [,] 7.iii.1983 [,] leg. L. Huggert
<i>Teleonemia quechua</i> Monte	MZLU	F	Peru: Huanucu, Tingo Maria [,] Cueva de las Pavas [,] 30.I.1984 [,] leg. L. Huggert
<i>Teleonemia quechua</i> Monte	NMPC	F	ECUADOR [,] 2001 [,] lgt. Microslav PEPRNý; COLECCIO [,] NATIONAL MUSEUM [,] Praha, Czech Republic
<i>Teleonemia quechua</i> Monte	OSUC	M	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775846
<i>Teleonemia quechua</i> Monte	OSUC	F	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775847
<i>Teleonemia quechua</i> Monte	OSUC	M	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775848
<i>Teleonemia quechua</i> Monte	OSUC	F	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775849
<i>Teleonemia quechua</i> Monte	OSUC	F	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775850
<i>Teleonemia quechua</i> Monte	OSUC	F	PERU, Tarapoto [,] June 26, 1948 [,] E. J. Hambleton; OSUC 775851
<i>Teleonemia quechua</i> Monte	UCMS	M	ECUADOR: Napo, Tena [,] 22-27 May 1987 500m [,] Brown and Coote [,] Malaise, second growth
<i>Teleonemia quechua</i> Monte	UMRM	F	ECUADOR: Napo Prov. [,] 5 km N Puerto Napo [,] elev: 500 m [,] 4 April 1984 [,] coll: R. W. Sites
<i>Teleonemia quechua</i> Monte	ZMHC	F	Marcapata [,] Peru ; C. J. Drake [,] detrm 1928; Teleonemia [,] brevipennis [,] Det. Drake Champ.; Teleonemia [,] quechua [,] Monte [,] Det. A.H.Knudson 2021
<i>Teleonemia rugosa</i> Champion	AMNH	M	PANAMÁ: Canal Zone: [,] N9° 15': W 79° 57', [,] Piña Road, Aug. 30, [,] 1973 D. Engleman; DONATION FROM [,] J. A. SLATER [,] COLLECTION
<i>Teleonemia rugosa</i> Champion	NHMUK	M	M; SYN- [,] TYPE; Type; Panzos, [,] Vera Paz, [,] Champion; Sp. figured; B. C. A. Rhyn. II. [,] Teleonemia [,] rugosa Ch.; ♂; NHMUK 011253995; LECTOTYPE (♂) [,] Teleonemia [,] rugosa [,] Champion [,] Det. A. H. Knudson 20
<i>Teleonemia rugosa</i> Champion	NHMUK	F	F; SYN- [,] TYPE; Zapote, [,] Guatemala. [,] G. C. Champion; B. C. A. Rhyn. II. [,] Teleonemia [,] rugosa Ch.; ♀; NHMUK 011253996
<i>Teleonemia rugosa</i> Champion	NHMUK	F	F; SYN- [,] TYPE; V. de Chiriqui. [,] 2-3000 ft. [,] Champion.; B. C. A. Rhyn. II. [,] Teleonemia [,] rugosa Ch.; ♀; NHMUK 011253997
<i>Teleonemia rugosa</i> Champion	BYUC	F	COSTA RICA, Heredia [,] Estación Biológica La Selva, [,] 6-IV-2003, [,] S. M. Clark & E. G. Riley
<i>Teleonemia rugosa</i> Champion	INBio	U	COSTA RICA. Prov. Puntarenas. P.N. Carara. Estación Quebrada Bonita. 11 MAR 1994. M. Epstein. L_N_194500_469850 #76218; INB0003801435
<i>Teleonemia rugosa</i> Champion	INBio	U	COSTA RICA. Prov. Puntarenas. P.N. Carara. Estación Quebrada Bonita. 11 MAR 1994. M. Epstein. L_N_194500_469850 #76218; INB0003801435
<i>Teleonemia rugosa</i> Champion	INBio	U	COSTA RICA. Prov. Puntarenas. P.N. Carara. Estación Quebrada Bonita. 11 MAR 1994. M. Epstein. L_N_194500_469850 #76218; INB0003801449
<i>Teleonemia rugosa</i> Champion	INBio	U	Cerro Plano, Res. Biol. Monteverde, 1300m, Prov. Punt, COSTA RICA, E Bello, Dic 1990, L- N 255200_446800; INBIOCRI000447251
<i>Teleonemia rugosa</i> Champion	INBio	U	Rancho Quemado, Peninsula de Osa, 200m, Prov. Punt., COSTA RICA, F. Quesada, Oct 1991, L- S 292500_511000; INBIOCRI000540709
<i>Teleonemia rugosa</i> Champion	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Punt. COSTA RICA. Set 1991. F. Quesada, L-S 292500_511000; INBIOCRI001191082

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia rugosa</i> Champion	INBio	U	Los Almendros, P. N. Guanacaste, Prov. Guana, COSTA RICA. 300m. 08-20 nov 1993, E. Lopez, L N 334800_369800 # 2471; INBIOCRI001634582
<i>Teleonemia rugosa</i> Champion	INBio	U	Monumento Nacional Guayabo, Turrialba, Prov. Carta, COSTA RICA. 1100m. SET 1994. G. Fonseca, Desconocido L_N_570300_217200 #3202; INBIOCRI002040305
<i>Teleonemia rugosa</i> Champion	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 20 FEB-5 MAR 1995. F. A. Quesada, L N 318100_381900 #4401; INBIOCRI002138346
<i>Teleonemia rugosa</i> Champion	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 20 FEB-5 MAR 1995. F. A. Quesada, L N 318100_381900 #4401; INBIOCRI002138360
<i>Teleonemia rugosa</i> Champion	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 18 MAR-13 ABR 1995. F. A. Quesada, L_N_318100_381900 #5274; INBIOCRI002246038
<i>Teleonemia rugosa</i> Champion	INBio	U	Sect. San Ramon de Dos Rios, Prov. Alaju, COSTA RICA. 620m. 18 MAR-13 ABR 1995. F. A. Quesada, L_N_318100_381900 #5274; INBIOCRI002246039
<i>Teleonemia rugosa</i> Champion	INBio	U	COSTA RICA, Prov. Limon, Amubri. 70m. JUL 1996. G. Gallardo. L_S_385000_578100 #7884; INBIOCRI002461745
<i>Teleonemia rugosa</i> Champion	INBio	U	COSTA RICA, Prov. Alajuela, Sect. San Ramon de Dos Rios, 1.5 Km NO. Hda. Nueva Zelandia. 620m. 12-22 JUL 1996. D. Brice?o. L_N_318100_381900 #7883; INBIOCRI002468955
<i>Teleonemia rugosa</i> Champion	MZUCR	F	COSTA RICA, Heredia [,] Pr. La Selva Biol. Sta. [,] 3 km S Pto. Viejo [,] 10° 26'N 84°01'W; 25-VII-1993 [,] H. A. Hespenheide; Aegiphila [,] falcata; 13; Teleonemia [,] schildi [,] Drake [,] Det. A.H.Knudson 2017
<i>Teleonemia rugosa</i> Champion	SEMC	M	PANAMA: Colon [,] Parque Nac. Soberania [,] Pipeline Rd. [,] 09°07'N, 79°45'W [,] 20-26 May 1995, J. Jolly, C [,] Chaboo, malaise trap
<i>Teleonemia rugosa</i> Champion	UGCA	F	HONDURAS: Atlántida [,] PN Pico Bonito, Rio [,] Zacate, 16 May 2002 [,] R. Turnbow
<i>Teleonemia rugosa</i> Champion	USNM	M	Panama-Canal Z. [,] Pipeline Rd. [,] Canopy Knockdown [,] Luhea seemanni [,] 24 Oct.1975; Teleonemia [,] rugosa [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia rugosa</i> Champion	USNM	M	Panama-Canal Z. [,] Pipeline Rd. [,] Canopy Knockdown [,] Luhea seemanni [,] 24 Oct.1975; Teleonemia [,] rugosa [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia rugosa</i> Champion	USNM	F	Panama-Canal Z. [,] Pipeline Rd. [,] Canopy Knockdown [,] Luhea seemanni [,] 24 Oct.1975; Teleonemia [,] rugosa [,] Champion [,] Det. A. H. Knudson 2017
<i>Teleonemia rugosa</i> Champion	USNM	M	PANAMA: Panama [,] Madden forest [,] 27 May 1973 [,] Ginter Ekis
<i>Teleonemia rugosa</i> Champion	USNM	M	COSTA RICA: Cartago [,] Turrialba, Volcano [,] Turrialba, 1450m. [,] 3 June 1973 [,] Ginter Ekis
<i>Teleonemia rugosa</i> Champion	USNM	F	COSTA RICA: Heredia [,] Prov., La Selva Biol Sta [,] successional plots [,] 0-1 years 26 July 1989 [,] Leg. David G. Furth
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	JAMAICA, St. ANN [,] PARISH, FERN GULLY [,] 5-VIII-85 [,] J.E. EGER, COLL.
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	Dominican Republic [,] Santo Domingo [,] August 27, 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol Prov. [,] REP. DOMINICANA [,] 14 VIII 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol Prov. [,] REP. DOMINICANA [,] 25 VIII 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol Prov. [,] REP. DOMINICANA [,] 25 VIII 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol Prov. [,] REP. DOMINICANA [,] 28 VIII 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	Puerto Plata Prov. [,] REP. DOMINICANA [,] 23 VIII 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	La Altagracia Prov., [,] REP. DOMINICANA [,] 8 XI 1967; L. R. Rolston [,] Collector
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	San Cristobol, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] Aug. 19 1967 [,] J. C. Schaffner

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	Santiago [,] Santiago Prov., [,] Rublicia Dominicana [,] August 9 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	6 miles north [,] San Victor, [,] Expailat Prov., [,] Rublica Dominicana [,] August 22, 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	San Cristobol, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] Aug. 14 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] Aug. 19 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	San Cristobol, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] Aug. 19 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	5 miles north Haina, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] August 14 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	5 miles north Haina, [,] San Cristobol Prov., [,] Rublicia Dominicana [,] August 14 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	5 miles west Senchez, [,] Samana Prov., [,] Rublicia Dominicana [,] August 16 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	M	5 miles west Jayaco, [,] La Vega Prov., [,] Rublicia Dominicana [,] August 24, 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	Pedro Garcia, [,] Santiago Prov., [,] Rublicia Dominicana [,] August 23, 1967 [,] J. C. Schaffner
<i>Teleonemia sacchari</i> (Fabricius)	TAMU	F	Br. Virgin Is [,] Virgin Gurdo [,] 16-ii-2011 [,] S. G. Wellso
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros [,] Fofar Field Station [,] 2 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros [,] Fofar Field Station [,] 2 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros [,] Fofar Field Station [,] 2 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Fofar Field Station [,] 2 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Fofar Field Station [,] 2 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Fofar Field Station [,] 3 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Fofar Field Station [,] 8 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Fofar Field Station [,] 22 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros [,] Stafford Creek [,] 4 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Stafford Creek [,] 4 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Stafford Creek [,] 4 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros Is.[,] Behring Point [,] 5 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros Is.[,] Behring Point [,] 5 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros [,] Uncle Charlies Blue [,] Hole, 7 June 2001 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Andros [,] Captain Bills Blue [,] hole, 27 July 2006 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros Is. [,] Owens Town [,] 6 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Andros Is. [,] Atala Coppice [,] 8 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Great Enter] Iguana, South Bay [,] rode, 10 July 2007 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Great Enter] Iguana, South Bay [,] rode, 10 July 2007 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Great Enter] Iguana, South Bay [,] rode, 10 July 2007 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Great Enter] Iguana, South Bay [,] rode, 10 July 2007 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	BAHAMAS: Great Enter] Iguana, Salt Pond Hill [,] 12 July 2007 [,] R. Turnbow

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	BAHAMAS: Great Enter] Iguana, Salt Pond Hill [,] 12 July 2007 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	DOMINICAN REP.: Monti [,] Cristi, 8.2 km. N Villa [,] Elisa, mv + bl, 1 June [,] 1994, R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMIINICAN REPUBLIC [,] San Pedro Prov., 13 km. [,] E. Boca Chica, 14 May 1992 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	DOMIINICAN REPUBLIC [,] La Vega Prov., 1.7 km. [,] S Jarabacoa, 24-25 May [,] 1992, R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	DOMIINICAN REPUBLIC [,] La Vega Prov., 1.7 km. [,] S Jarabacoa, 24-25 May [,] 1992, R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMIINICAN REPUBLIC [,] La Vega, 1 km W [,] Manabao, 4 June 1994 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMIINICAN REPUBLIC [,] La Vega, 1 km W [,] Manabao, 4 June 1994 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	F	DOMIINICAN REPUBLIC [,] La Vega, 1 km W [,] Manabao, 4 June 1994 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMINICA: St. Paul [,] Par., Springfield [,] Plantation 21 June [,] 2004, R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UGCA	M	DOMINICA: St. Peter [,] Par., Syndicate Trail- [,] head, 28 June 2004 [,] R. Turnbow
<i>Teleonemia sacchari</i> (Fabricius)	UIDC	M	BRITISH VIRGIN ISLS. [,] Jost Van Dyke-E end [,] XI-19;XII-2-1994 [,] LM Wilson, JB Johnson
<i>Teleonemia sacchari</i> (Fabricius)	UMRM	F	Monroe Co., Fla. [,] Upper Matcumbe Key [,] Islamorada; 29-III [,] -79; Rilex & LeDoux
<i>Teleonemia sacchari</i> (Fabricius)	UMRM	F	Monroe Co., Fla. [,] Big Pine Key [,] 29-III-79; E. G. [,] Rilex & D. LeDoux
<i>Teleonemia sacchari</i> (Fabricius)	UMRM	F	Monroe Co., Fla. [,] Big Pine Key [,] 29-III-79; E. G. [,] Rilex & D. LeDoux
<i>Teleonemia sacchari</i> (Fabricius)	UMRM	M	Monroe Co., Fla. [,] Craig Key [,] 29-III-79; E. G. [,] Rilex & D. LeDoux
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	20 Y; Old Botanical Garden, Kingston, 500 ft [,] Oct. 22. Beaten from foliage; St. Vincent, [,] W. I. ; 95-206.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	St. Vincent, [,] W. I. ; 95-206.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	F	St. Vincent, [,] W. I. [,] H. H. Smith [,] 138.; 95-206.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	St. Vincent, [,] W. I. [,] H. H. Smith [,] 238.; 95-206.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	F	Windward side [,] St. Vincent, W. I. [,] H. H. Smith [,] 190.; 95-206.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	F	St. Vincent, W. I. [,] South end [,] H. H. Smith [,] 65.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	Union I. [,] Grenadines, W. I. [,] H. H. Smith.; W. Indies.[,] 99-331.
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	Aguirre, P. R. [,] 1925; H. E. Box [,] Collector; Pres. Bby [,] Imp.Inst.Ent. [,] Brit. Mus. [,] 1930-336
<i>Teleonemia sacchari</i> (Fabricius)	NHMUK	M	JAMAICA: [,] Fern Gully [,] Ocho Rios; xii-1971 [,] E. W. Classey
<i>Teleonemia sacchari</i> (Fabricius)	BYUC	M	FL Monre Co. [,] Key Largo [,] 7 Dec. 1985 [,] S. M. Clark
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	Homestead Fla [,] 28-III-1952 [,] G. S. Walley; CNC [,] 1188400; Teleonemia [,] sacchari ? [,] (Fab.)
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VII.12. 1966; H. F. Howden [,] Collector; CNC [,] 1188840
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, Try. [,] Good Hope [,] VIII.8.1966 [,] H. F. Howden; CNC [,] 1188837
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, Try. [,] Good Hope [,] VIII.8.1966 [,] H. F. Howden; CNC [,] 1188875
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, Try. [,] Good Hope [,] VIII.8.1966 [,] H. F. Howden; CNC [,] 1188883
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, St. And. [,] Mahogany Vale [,] VII.20. 1966; Howden&Becker [,] Collector; CNC [,] 1188896

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, St. And. [,] Mahogany Vale [,] VII.20. 1966; Howden&Becker [,] Collector; CNC [,] 1188898
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VII.20. 1966; Howden&Becker [,] Collector; CNC [,] 1188848
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VII.20. 1966; Howden&Becker [,] Collector; CNC [,] 1188849
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, St. And. [,] Irish Town [,] VIII.28.1966 [,] A. T. Howden; CNC [,] 1188902
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, St. And. [,] Irish Town [,] VIII.28.1966 [,] A. T. Howden; CNC [,] 1188906
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, St. And. [,] Irish Town [,] VIII.28.1966 [,] Howden & Becker; CNC [,] 1188842
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, Port. [,] Port Antonio [,] VIII.1-7.1966 [,] E. C. Becker; CNC [,] 1188864
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, Port. [,] Port Antonio [,] VIII.1-7.1966 [,] E. C. Becker; CNC [,] 1188862
<i>Teleonemia sacchari</i> (Fabricius)	CNC	F	JAMAICA, Port. [,] Port Antonio [,] VIII.1-7.1966 [,] E. C. Becker; CNC [,] 1188863
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, St. Thomas [,] Whitfield Hall [,] VII.27.1966 [,] Howden & Becker; CNC [,] 1188881
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	JAMAICA, St. Thomas [,] Whitfield Hall [,] VII.27.1966 [,] Howden & Becker; CNC [,] 1188882
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	Big Pine Key Fla. [,] -26-IV-61 [,] L. A. Kelton; CNC [,] 1188557
<i>Teleonemia sacchari</i> (Fabricius)	CNC	M	Big Pine Key Fla. [,] 24-26-IV-61 [,] L. A. Kelton; CNC [,] 1188558
<i>Teleonemia sacchari</i> (Fabricius)	DARC	M	FLA: Monroe Co. [,] Upper Key Largo [,] V-2-88: E. Riley [,] & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia sacchari</i> (Fabricius)	DARC	M	FLA: Monroe Co. [,] Upper Key Largo [,] V-2-88: E. Riley [,] & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia sacchari</i> (Fabricius)	DARC	M	FLA: Monroe Co. [,] Upper Key Largo [,] V-2-88: E. Riley [,] & F. Whitford; D. A. Rider [,] Collection
<i>Teleonemia sacchari</i> (Fabricius)	FMNH	M	Br. VIRGIN IS.: [,] Virgin Gorda, [,] Savana Bay 0- [,] 100ft.,12-VII-1976 [,] R. Pine
<i>Teleonemia sacchari</i> (Fabricius)	FMNH	F	Br. VIRGIN IS.: [,] Virgin Gorda, [,] Savana Bay 0- [,] 100ft.,12-VII-1976 [,] R. Pine
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297706
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297707
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297708
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297709
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297710
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297711
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297712
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297713
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297714
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297715
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297716
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297717
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297775
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	M	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297776
<i>Teleonemia sacchari</i> (Fabricius)	LSAM	F	St. Croix, Virgin [,] Islands Jan. 1940 [,] Harry Beaty; LSAM [,] 0297777

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	MZLU	M	Domin. Repub. [,] Isla Catalina [,] 28.II.1992 [,] G. Gillerfors
<i>Teleonemia sacchari</i> (Fabricius)	MZLU	M	Domin. Repub. [,] Isla Catalina [,] 28.II.1992 [,] G. Gillerfors
<i>Teleonemia sacchari</i> (Fabricius)	MZLU	M	Domin. Repub. [,] Isla Catalina [,] 28.II.1992 [,] G. Gillerfors
<i>Teleonemia sacchari</i> (Fabricius)	UCMS	F	Key Largo, Fla. [,] 2-16 1946; C O Esselbaugh [,] Collection II-56; <i>Teleonemia</i> [,] sp. [,] J. E. O'Donnell [,] 1980; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island [,] Aug. 11-31, 1944 [,] Harry A. Beatty; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island [,] Aug. 11-31, 1944 [,] Harry A. Beatty; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island [,] Aug. 11-31, 1944 [,] Harry A. Beatty; <i>Teleonemia</i> [,] sp. [,] RI Sailer; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island [,] Aug. 11-31, 1944 [,] Harry A. Beatty; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island [,] Aug. 11-31, 1944 [,] Harry A. Beatty; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island [,] VI-29-1944 ; Coll. H. Hayke; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island [,] 7-Apr.-1944 ; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Mona Island (PR, USA) [,] Sendero Capitán, 40 m [,] at night, incl. Hg/UV lights [,] N 18°05'17" W 67°56'16"; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Insular Forest [,] Guanica, P. R. [,] 14-April - 1942 [,] Coll: ; J. A. Ramos [,] Collector; On [,] <i>Sauvagesia</i> [,] <i>erecta</i> ; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Insular Forest [,] Guanica, P. R. [,] 1Jan. 7- 1946. ; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Patillas, P. R. [,] 4-Jan 1941 [,] Coll: M. Oben; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Isabela, P. R. [,] 3-2-1946 [,] Coll: R. A. Maldonado; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Puerto Rico, Adjuntas [,] La Olimpia Forest [,] N 18°09'02.18" W 66°52'48.16"; May 14 2009 [,] Leg. Franz, Girón, & Mazo; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Puerto Rico (USA) [,] Bosque Estatal Toro Negro [,] Cerro de Punta, 1320 m [,] N 18°10.32', W 66°35.53' ; beating/sweeping plants [,] leg. N. Franz & J. Girón [,] VIII-07-2007; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Puerto Rico (USA) [,] Bosque Seco Guánica [,] Sendro Ballenas, 80 m [,] N 17°57.72', W 66°51.86' ; beating plants at night [,] leg. N. Franz & J. Girón [,] IX-03-2007; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Puerto Rico (USA) [,] Bosque Estatal Susúa [,] N 18°04' 15", W 66°54' 23" [,] 150 m general collecting [,] leg. N. Franz, IV-29-2006 ; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	?	Faro de Cabo Rojo, P. R. [,] 22- Aug. 1936 [,] Coll: J. A. Ramos; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Vieques Is., P.R. [,] XII-24-31-1935; Coll. S. T. Danforth
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	Vieques Is., P.R. [,] XII-24-31-1935; Coll. S. T. Danforth
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Cabo Rojo [,] Lighthouse, P. R. [,] 8. Aug.1945; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Cabo Rojo [,] Lighthouse, P. R. [,] 8. Aug.1945; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	DOMINICAN REP: [,] Rancho Arriba, Prov [,] Peravia, 19 Aug 1976; Mercano, Abud [,] & Ramos Coll; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	DOMINICAN REP: [,] Rancho Arriba, Prov [,] Peravia, 19 Aug 1976; Mercano, Abud [,] & Ramos Coll; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	F	DOMINICAN REP: [,] Rancho Arriba, Prov [,] Peravia, 19 Aug 1976; Mercano, Abud [,] & Ramos Coll; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Piedra Blanca, R. D. [,] 31 March 1953; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	UPRM	M	Monseñor Nouel, R. D. [,] 2 April 1953.; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sacchari</i> (Fabricius)	CUIC	F	Uhler's Coll.; Cornell U. [,] Lot. 586 [,] Sub. 33
<i>Teleonemia sacchari</i> (Fabricius)	CUIC	F	L. Worth [,] 2/5 87, Fla; Heideman [,] Collector; Cornell U. [,] Lot. 586 [,] Sub. 33
<i>Teleonemia sacchari</i> (Fabricius)	CUIC	F	Biscayne [,] 21/5 87 Fla; ♀; Heideman [,] Collector; <i>Teleonemia</i> [,] <i>sacchari</i> [,] d. by [,] Uhler Fab.
<i>Teleonemia sacchari</i> (Fabricius)	CUIC	M	BISC BAY, FLA.; 10; Cornell U. [,] Lot. 586 [,] Sub. 33; <i>Teleonemia</i> [,] <i>sacchari</i> [,] C. J. D. Fab.
<i>Teleonemia sacchari</i> (Fabricius)	OSUC	F	JAMAICA: Portland [,] Somerset Falls [,] roadside, [,] 05 JUL 1982 [,] N. F. & J. B. Johnson; OSUC 776223
<i>Teleonemia sacchari</i> (Fabricius)	OSUC	F	JAMAICA: Portland [,] rd between Nonsuch & [,] Sherwood Forest, 7 mi [,] from Pt. Antonio [,] 05 JUL 1982 ; N. F. & J. B. [,] Johnson colrs; OSUC 776222
<i>Teleonemia sacchari</i> (Fabricius)	OSUC	F	Andros Is., Fresh [,] Cr. Andros Town [,] III-17-65; B. D. Valentine [,] R. W. Hamilton [,] Collectors; OSUC 776287
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	M	Long Island [,] Key, Fla [,] 3-14-1947 [,] R. H. Beamer
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	M	Long Island [,] Key, Fla [,] 3-14-1947 [,] R. H. Beamer
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	M	Long Island [,] Key, Fla [,] 3-14-1947 [,] R. H. Beamer
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	F	Long Island [,] Key, Fla [,] 3-14-1947 [,] R. H. Beamer
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	F	Everglade Fla. [,] Oasis 8-11-30 [,] J. Nottingham
<i>Teleonemia sacchari</i> (Fabricius)	SEMC	M	Jamaica, B. W. I. [,] Glaremont Baron [,] Hill Trelawny, 3,4 [,] 28 L. G. Perkins
<i>Teleonemia sacchari</i> (Fabricius)	UMSP	M	DOMINICAN REPUBLIC: [,] La Altagracia Prov., Punta [,] Cana nr. Ecological Reserve [,] 18°30.477'N, 68° 22.499'W [,] 12.VI.2005, 0-5m [,] L. Chamorro & A. Konstantinov; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2020
<i>Teleonemia sacchari</i> (Fabricius)	UMSP	M	DOMINICAN REPUBLIC: [,] La Altagracia Prov.[,] Punta Cana nr. Ecological [,] Reserve, 5 m, 18°30.477'N [,] 68° 22.499'W, 3.VI.2005[,] L. Chamorro & A. Konstantinov; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2020

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sacchari</i> (Fabricius)	UMSP	F	DOMINICAN REPUBLIC: [,] La Altagracia Prov., Punta [,] Cana nr. Ecological Reserve [,] 18°30.477'N, 68°22.499'W [,] 12.VI.2005, 0-5m [,] L. Chamorro & A. Konstantinov; <i>Teleonemia</i> [,] <i>sacchari</i> [,] Fabricius [,] Det. A. H. Knudson 2020
<i>Teleonemia sandersi</i> Drake & Hambleton	AMNH	F	PANAMÁ: Canal Zone: [,] N9° 15': W 79° 57', [,] Piña Road, Aug. 30, [,] 1973 D. Engleman
<i>Teleonemia sandersi</i> Drake & Hambleton	DARC	F	PANAMÁ: BdT, 10rd.kmN [,] Cont. div. on Gualaca-Chir. Gr. Hwy VI-14- [,] 1985 E. Riley&D.Rider; D. A. Rider [,] Collection
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089164
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089165
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089166
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089167
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089168
<i>Teleonemia sandersi</i> Drake & Hambleton	INBio	U	COSTA RICA. Prov. Guanacaste, Abangares, Cerros de Naranjo, Camino del ICE, 200m, 11 NOV 2004, B. Gamboa, Red de Golpe, L_N_243750_406040 #78869; INB0004089169
<i>Teleonemia sandersi</i> Drake & Hambleton	TAMU	M	PANAMA: Colon Prov. [,] 5 km. ne. Pina on [,] Pina Rd. 2-VI-1996 [,] A. R. Gillogly
<i>Teleonemia sandersi</i> Drake & Hambleton	TAMU	F	PANAMA: Darien Pr. [,] Cana, Pirre Camp, 5-V-05 [,] N745.825°, W7743.325° [,] El. 1320m A. R. Gillogly
<i>Teleonemia sandersi</i> Drake & Hambleton	TAMU	F	PANAMA: B. D. T [,] 2.3 rd mi. N from Contential Divide [,] V-27-1993, E. Riley
<i>Teleonemia sandersi</i> Drake & Hambleton	USNM	M	Escobal Road 5-9 [,] Atl. Canal Zone [,] 30-VII-74 [,] Col: D. Engleman
<i>Teleonemia sandersi</i> Drake & Hambleton	USNM	F	Gatun Spillway, C. Z., [,] 9° 17'N, 79° 56'W [,] 28 Oct 72 [,] Col: D. Engleman
<i>Teleonemia sandersi</i> Drake & Hambleton	USNM	M	Empire, Can. Zone [,] 9° 05'N, 79° 40'W [,] 29 Oct 72 [,] Col: D. Engleman
<i>Teleonemia schwarzi</i> Drake	CNC	M	Palm Springs,Cal. [,] 23-II-1955 [,] W. R. M. Mason; Beloperone [,] californica; CNC [,] 1188562
<i>Teleonemia schwarzi</i> Drake	CNC	M	Palm Springs,Cal. [,] 23-II-1955 [,] W. R. M. Mason; Beloperone [,] californica; CNC [,] 1188561
<i>Teleonemia schwarzi</i> Drake	CUIC	M	PalmSprgs [,] 9/3. 97 ; Heideman [,] Collector; Paratype; <i>Teleonemia</i> [,] <i>schwarzi</i> [,] Det. Drake Drake; PARATYPE [,] Cornell U. [,] No. 4288
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427169
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427170
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427171
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427172
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427173
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427174
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427175

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427176
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427177
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427178
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427179
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427180
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427181
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427182
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427183
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427184
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427185
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427186
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427187
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427188
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427189
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427190
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427191
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427192
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427193
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427194
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427195
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427196
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427199
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427200
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427201
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427202
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427203
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427204
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427205
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427206
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427207
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427208
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427209
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427220

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427221
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427222
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427223
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427224
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427225
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427226
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427227
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427228
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427229
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427230
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427231
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427232
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427233
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427234
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427235
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Newton Cal. [,] VII-5-56. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427236
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; Teleonemia [,] Schwarzi [,] Drake [,] Det. J. C. Lutz; OSUC 0427287
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427288
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427289
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427290
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427291
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427292
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427293
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427294
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427295
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427296
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-20-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427297
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-5-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427298
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-5-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427299
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-15-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427301
<i>Teleonemia schwarzi</i> Drake	OSUC	F	Palm Sprs., [,] VI-15-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427302
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-15-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427303
<i>Teleonemia schwarzi</i> Drake	OSUC	M	Palm Sprs., [,] VI-15-46, Cal. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427304

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia schwarzi</i> Drake	SEMC	F	Palm Spgs., Calif. [,] XII-22-41 [,] R. H. Beamer
<i>Teleonemia schwarzi</i> Drake	UIDC	F	Indian Wells, [,] Riverside Co. [,] Calif. IV-II-1950; W. F. Barr [,] Collector
<i>Teleonemia schwarzi</i> Drake	UIDC	F	MEX., BajaCalif. N. [,] San Matias Pass [,] Hwy. 3, Km. 149 [,] 27-VI-1983 [,] R. L. Westcott; R. L. WESTCOTT [,] COLLECTION
<i>Teleonemia scrupulosa</i> Stål	AJSC	M	U.S.A. TEXAS, Cameron Co. [,] Brownsville; Lincoln Park, [,] 2100W University Blvd (site b) [,] 25.891729, -97.482233 [,] 12-III-2017 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	M	U.S.A. TEXAS, Willacy Co. [,] Tx. Hwy. 186, 5.2 mi. [,] WSW of Port Mansfield [,] 26.503621, -97.488977 [,] 14-III-2017 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	M	U.S.A. TEXAS, Willacy Co. [,] Tx. Hwy. 186, 5.2 mi. [,] WSW of Port Mansfield [,] 26.503621, -97.488977 [,] 14-III-2017 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	F	U.S.A. TEXAS, Willacy Co. [,] Tx. Hwy. 186, 5.2 mi. [,] WSW of Port Mansfield [,] 26.503621, -97.488977 [,] 14-III-2017 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	F	U.S.A. TEXAS, Nueces Co. [,] Cty Rd. 56, in NW Corpus Christi [,] 27.847296, -97.562639 [,] 26-III-2018 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	F	U.S.A. TEXAS, Cameron Co. [,] Brownsville; Lincoln Park, [,] 2100W University Blvd (site a) [,] 25.890858, -97.483935 [,] 17-III-2018 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AJSC	M	U.S.A. TEXAS, Cameron Co. [,] Brownsville; Lincoln Park, [,] 2100W University Blvd (site a) [,] 25.890858, -97.483935 [,] 17-III-2018 Col. A. J. Schmitz
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	COSTA RICA: [,] Cartago, Orosi [,] July 1981 [,] N. L. H. Krauss
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	COSTA RICA; [,] Heredia [,] Aug. 10, 1975 [,] N. L. H. Krauss
<i>Teleonemia scrupulosa</i> Stål	AMNH	F	COSTA RICA; [,] Heredia [,] Aug. 10, 1975 [,] N. L. H. Krauss
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	COSTA RICA; [,] Turrialba, [,] 600-700 m. [,] Aug .12, 1975 [,] N. L. H. Krauss
<i>Teleonemia scrupulosa</i> Stål	AMNH	F	COSTA RICA; [,] Turrialba, [,] 600-700 m. [,] Aug .12, 1975 [,] N. L. H. Krauss; N. L. H. Krauss [,] Collector
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	COSTA RICA: [,] Cartago [,] X-1953 ; N. L. H. Krauss [,] Collector
<i>Teleonemia scrupulosa</i> Stål	AMNH	F	COSTA RICA: [,] Cartago [,] X-1953
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	COSTA RICA: Puntarenas Prov. [,] Rincon de Osa, Osa Peninsula [,] 14-26 July 1969 [,] Toby Schuh, Janet Crane
<i>Teleonemia scrupulosa</i> Stål	AMNH	F	COSTA RICA: San [,] Isidro de General, [,] 700-800 meters, [,] August 1980 [,] N.L.H. Krauss
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	Boquette, R. P. [,] Chiriqui [,] V-16-1962 [,] H. Ruckes
<i>Teleonemia scrupulosa</i> Stål	AMNH	F	Boquette, R. P. [,] Chiriqui [,] V-20-1962 [,] H. Ruckes
<i>Teleonemia scrupulosa</i> Stål	AMNH	M	PANAMA, Cocle: [,] El Valle, 500- [,] 600 m., Jul. 1981 [,] N. L. H. Krauss
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Secondary forest [,] and scrub; BELIZE: Toledo [,] 15m n.w. of Punta [,] Gorda, Big Fall. [,] 30.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Open grassland [,] and scrub; BELIZE: Toledo [,] 4 n.w. of Punta [,] Gorda, hillside. [,] 26.viii.1978.; P. S. Broomfield. [,] B.M. 1979-33.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	MF	BELIZE [,] La Celba [,] vi.1981; N. L. H. Krauss [,] B. M. 1983-240
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Guatemala [,] L. Fairmaire
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	warm temperate [,] secondary forest ; MEXICO (Chiapas), [,] Teopisca Enter] 23-29.vi.1981 [,] W. R. Dolling [,] B. M. 1981-411
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	warm temperate [,] secondary forest ; MEXICO (Chiapas), [,] Teopisca Enter] 23-29.vi.1981 [,] W. R. Dolling [,] B. M. 1981-411
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	2160; Vera Cruz [,] Mexico [,] Koebele; 87; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Aug. ; 2160; Vera Cruz [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	Immature	Aug. ; 2160; Vera Cruz [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Aug. ; 2160; Vera Cruz [,] Mexico [,] Koebele; Orizaba [,] 2-8-02; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Aug. ; 2160; Vera Cruz [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	MF	2160; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	2160; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	?	Sept.; 2160; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Sept.; 2160; Morelos [,] Mexico [,] Koebele; 91
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Sept.; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Sept.; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Sept.; Morelos [,] Mexico [,] Koebele; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	MF	Oct.; Cuernavaca [,] Oct.10. Vire.02; Brit. Mus. [,] 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	grass & [,] herbs; COSTA RICA, [,] Turrialba, CATIE/ [,] IICA Research Station. [,] 3-8.vii.1981 [,] W. R. Dolling. [,] B.M. 1981-411.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	MEXICO: [,] Morelos. On Lantana [,] Received 30 VIII 1902 [,] R. C. L. Perkins Coll. [,] B. M. 1942-95
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	On leaves, [,] Lantana [,] camara. ; BRAZIL: [,] Pernambuco. [,] Recife. [,] 5.x.1961; N. L. H. Krauss [,] B. M. 1963-28.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	St. Vincent, W. I. [,] South end [,] H. H. Smith [,] 257.; 95-206.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Grenada, W. I. [,] H. H. Smith. [,] 9; 95-206.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Lake Antoine Est. [,] (Windward side) [,] Grenada, W. I. [,] H. H. Smith [,] 37.; 95-206.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	106; Mount Gay Est. [,] (Leward side) Grenada, W. I. [,] H. H. Smith
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Balthazar [,] (Windward side) [,] Grenada, W. I. [,] H. H. Smith [,] 43.; 95-206.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	M	Union I. [,] Grenadines, W. I. [,] H. H. Smith.; W. Indies.[,] 99-331.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	Union I. [,] Grenadines, W. I. [,] H. H. Smith.; W. Indies.[,] 99-331.
<i>Teleonemia scrupulosa</i> Stål	NHMUK	F	weedy site in [,] residential area; NICARAGUA, Managua [,] 12.vii.1981 [,] E. R. Dolling. [,] B. M. 1981-411

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	BYUC	F	FLORIDA, Highlands Co. [,] Archbold Biological Station, [,] near Headquarters, [,] 21 November 2002 [,] S. M. Clark
<i>Teleonemia scrupulosa</i> Stål	BYUC	F	FLORIDA, Highlands Co. [,] Archbold Biological Station, [,] near Headquarters, [,] 21 November 2002 [,] S. M. Clark
<i>Teleonemia scrupulosa</i> Stål	BYUC	F	FLORIDA, Highlands Co. [,] Archbold Biological Station, [,] near Headquarters, [,] 21 November 2002 [,] S. M. Clark
<i>Teleonemia scrupulosa</i> Stål	BYUC	M	TEXAS: Bexar County [,] Friedrich Ciry Park [,] NW of San Antonio on [,] September 23rd, 1979 [,] S. J. Hanselmann, coll.
<i>Teleonemia scrupulosa</i> Stål	BYUC	F	BRAZIL, Rio de Janeiro [,] Campos [,] 28 Apr. 1999, D. J. Cavan; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal [,] Det. A. H. Knudson 2019; <i>Teleonemia</i> sp. [,] det. L.T. Miller
<i>Teleonemia scrupulosa</i> Stål	BYUC	F	TEXAS: Travis Co. Austin, [,] Brackenridge Field Lab, 18 [,] Jun 1998, CS Murugen, CR [,] Nelson & Field Ent class
<i>Teleonemia scrupulosa</i> Stål	BYUC	M	ARIZONA, Pima Co., [,] Santa Rita Mountain, [,] Florida Canyon, 1315 m, [,] 31.7633°N, 110.8460°W, [,] 12-IX-2014, S. M. Clark
<i>Teleonemia scrupulosa</i> Stål	CMNH	M	ZAMBIA: Lusaka [,] 15 27S, 28 21E [,] 17-23 Apr 1995 [,] Robert D. Ward
<i>Teleonemia scrupulosa</i> Stål	CMNH	M	ZAMBIA: Lusaka [,] 15 27S, 28 21E [,] 23-30 Jan 1995 [,] 1220 m,R. Ward
<i>Teleonemia scrupulosa</i> Stål	CMNH	F	ZAMBIA: Lusaka Prov. [,] 10 km SE Lusaka, [,] 15 29 S, 28 25 E, [,] 1300m, 25 Mar 1995, [,] woodlands, R.D. Ward
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188876
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188867
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188868
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188869
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188872
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188873
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA. Try. [,] Duncans [,] VIII.15.1966 [,] Howden & Becker; CNC [,] 1188874
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.13.1966 [,] Howden & Becker; CNC [,] 1188856
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA. Try. [,] Duncans [,] VIII.13.1966 [,] Howden & Becker; CNC [,] 1188858
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VIII.20.1966; Howden&Becker [,] Collector; CNC [,] 1188847
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA, St. And. [,] Mahogany Vale [,] VIII.20.1966; Howden&Becker [,] Collector; CNC [,] 1188850
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VIII.20.1966; Howden&Becker [,] Collector; CNC [,] 1188851
<i>Teleonemia scrupulosa</i> Stål	CNC	M	JAMAICA, St. And. [,] Mahogany Vale [,] VIII.20.1966; Howden&Becker [,] Collector; CNC [,] 1188852
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA, Mandeville [,] Manchester Parish [,] VIII-16-1966; Howden & Becker [,] collector; CNC [,] 1188843
<i>Teleonemia scrupulosa</i> Stål	CNC	F	JAMAICA, Mandeville [,] Manchester Parish [,] VIII-16-1966; Howden & Becker [,] collector; CNC [,] 1188844
<i>Teleonemia scrupulosa</i> Stål	CNC		JAMAICA, St. James [,] 3 mi. W. Flamengo [,] VIII.19.1966; H. F. Howden [,] Collector; CNC [,] 1188853
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Eustis, Fla. [,] 1-II-1934 [,] No. 7456; From Lantana [,] C. E. Waters [,] coll.; CNC [,] 1188401
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Eustis, Fla. [,] 1-II-1934 [,] No. 7456; From Lantana [,] C. E. Waters [,] coll.; CNC [,] 1188402
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; <i>Leucophyllum</i> [,] <i>frutescens</i> ; CNC [,] 1188451
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; <i>Leucophyllum</i> [,] <i>frutescens</i> ; CNC [,] 1188452
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; <i>Leucophyllum</i> [,] <i>frutescens</i> ; CNC [,] 1188453

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188454
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188455
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188456
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188457
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188458
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188459
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188460
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188462
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188463
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188464
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188465
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Leucophyllum [,] frutescens; CNC [,] 1188466
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188487
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188488
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188489
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188490
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188491
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188492
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188493
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 1-6-46 [,] L. J. Bottimer; CNC [,] 1188518
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188525
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188526
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; CNC [,] 1188527
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Menard Tex. [,] 12-6-46 [,] L. J. Bottimer; Castilleja [,] citrina; CNC [,] 1188563
<i>Teleonemia scrupulosa</i> Stål	CNC	M	20mi N.Iguala, [,] Guerrero, Mex. [,] Aug. 22, 1958 [,] H. F. Howden; CNC [,] 1188569
<i>Teleonemia scrupulosa</i> Stål	CNC	F	20mi N.Iguala, [,] Guerrero, Mex. [,] Aug. 22, 1958 [,] H. F. Howden; CNC [,] 1188572
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Kerrville, Tex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188535
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Kerrville, Tex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188537
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Kerrville, Tex. [,] V 1947 [,] L. J. Bottimer; CNC [,] 1188539
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi N.Chilpan- [,] cingo, Guer. Mex. [,] Aug. 24 1958 [,] H. F. Howden; CNC [,] 1188570
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Cuidad Del Maiz [,] 5 Mi. NE., 4500' [,] S. L. P. Mexico [,] 22-VIII-1954 [,] J. G. Chillcott; CNC [,] 1188670
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. [,] MEX 10-V.61 [,] Howden & Martin; CNC [,] 1188633
<i>Teleonemia scrupulosa</i> Stål	CNC	F	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188574

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	CNC	M	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188575
<i>Teleonemia scrupulosa</i> Stål	CNC	F	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188576
<i>Teleonemia scrupulosa</i> Stål	CNC	F	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188577
<i>Teleonemia scrupulosa</i> Stål	CNC	M	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188579
<i>Teleonemia scrupulosa</i> Stål	CNC	F	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188600
<i>Teleonemia scrupulosa</i> Stål	CNC	F	15 mi.W. El Palmito [,] Sin. MEX. 5000' [,] 20 July 1964 [,] L. A. Kelton; CNC [,] 1188591
<i>Teleonemia scrupulosa</i> Stål	CNC	F	2 mi. N. Mazatlan, [,] Sin. MEX. VII. 6 .64 [,] H. F. Howden; CNC [,] 1188578
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5mi. S. Monterrey, [,] N. L. Mex. VII 28, 1963 [,] H. & A. Howden; CNC [,] 1188607
<i>Teleonemia scrupulosa</i> Stål	CNC	M	MEXICO, Chis., 20 [,] km. S. Ocozocoaulta [,] 1.VIII.62 4000' [,] H. E. Milliron; CNC [,] 1188580
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. [,] MEX 9-V.61 [,] Howden & Martin; CNC [,] 1188582
<i>Teleonemia scrupulosa</i> Stål	CNC	F	16 mi. S. Durango [,] Dgo. MEX. VII.14.64 [,] H. F. Howden; CNC [,] 1188584
<i>Teleonemia scrupulosa</i> Stål	CNC	F	MEX. Dgo. 7 mi. W. [,] Durango, 7000' [,] 23 July 1964 [,] W.R.M. Mason; CNC [,] 1188585
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188586
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188587
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188588
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188589
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188590
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; CNC [,] 1188599
<i>Teleonemia scrupulosa</i> Stål	CNC	F	Mazatlan, Sin. MEX. [,] 6 Aug. 1964 [,] L. A. Kelton; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400397 [,] BOLD Proc ID: CNCHB036-11
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188630
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188631
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188629
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188628
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188635
<i>Teleonemia scrupulosa</i> Stål	CNC	M	Mazatlan, Sin. [,] MEX. 10-V-.61 [,] Howden & Martin; CNC [,] 1188611
<i>Teleonemia scrupulosa</i> Stål	CNC	M	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; Barcode of Life [,] DNA voucher specimen [,] Sample ID: CNC#HEM-400396 [,] BOLD Proc ID: CNCHB035-11
<i>Teleonemia scrupulosa</i> Stål	CNC	F	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188613
<i>Teleonemia scrupulosa</i> Stål	CNC	F	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188614
<i>Teleonemia scrupulosa</i> Stål	CNC	M	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188615
<i>Teleonemia scrupulosa</i> Stål	CNC	M	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188616
<i>Teleonemia scrupulosa</i> Stål	CNC	F	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188617
<i>Teleonemia scrupulosa</i> Stål	CNC	M	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188618

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	CNC	F	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188619
<i>Teleonemia scrupulosa</i> Stål	CNC	M	25 mi. S. Durango [,] Dgo. MEX. Hwy. 45 [,] 24 July 1964 [,] L. A. Kelton; CNC [,] 1188620
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188612
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188621
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188622
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188623
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188624
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188625
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188626
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188627
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188636
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188637
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188638
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188639
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188640
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188641
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188642
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188643
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188644
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188645
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188646
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188647
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188648
<i>Teleonemia scrupulosa</i> Stål	CNC	F	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188649
<i>Teleonemia scrupulosa</i> Stål	CNC	M	5 mi. W. Durango [,] Dgo. MEX. 6500' [,] 29 July 1964 [,] L. A. Kelton; Hydrangea; CNC [,] 1188650
<i>Teleonemia scrupulosa</i> Stål	CNC	M	El Salvador [,] Sonzacate [,] June 25' 58 [,] LJBottimer; CNC [,] 1188802
<i>Teleonemia scrupulosa</i> Stål	CNC	M	El Salvador [,] Sonzacate [,] June 25' 58 [,] LJBottimer; CNC [,] 1188804
<i>Teleonemia scrupulosa</i> Stål	CNC	F	El Salvador [,] Sonzacate [,] 25-VI-58 [,] LJBottimer; CNC [,] 1188794
<i>Teleonemia scrupulosa</i> Stål	CNC	F	El Salvador [,] Sonzacate [,] 25-VI-58 [,] LJBottimer; CNC [,] 1188795
<i>Teleonemia scrupulosa</i> Stål	CNC	M	El Salvador [,] Sonzacate [,] 25-VI-58 [,] LJBottimer; CNC [,] 1188796
<i>Teleonemia scrupulosa</i> Stål	CNC	M	El Salvador [,] Santa Tecla [,] VI-58 [,] LJBottimer; CNC [,] 1188807
<i>Teleonemia scrupulosa</i> Stål	CNC	M	PANAMA, Boquette [,] Prov. Chiriqui [,] VII, 27-30,1961 [,] 4000', J. M. Campbell; CNC [,] 1188915
<i>Teleonemia scrupulosa</i> Stål	CNC	M	PANAMA, Boquette [,] Prov. Chiriqui [,] VII, 27-30,1961 [,] 4000', J. M. Campbell; CNC [,] 1188916

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	I	HI: Kauai NaPali-Kona [,] For. Res. Kukui Trail [,] 20-III-1991 el 530 m [,] J. K. Liebherr [,] beating Lantana
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	HI: Kauai Kokee [,] Lodge 10-III-1991 [,] El. 1090 m [,] A. E. Hajek
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	HI: Kauai Kokee [,] Lodge 10-III-1991 [,] El. 1090 m [,] A. E. Hajek
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	HI: Kauai Kokee [,] Lodge 10-III-1991 [,] El. 1090 m [,] A. E. Hajek
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	HI: Kauai Kokee S.P. Ka unu [,] o Hua Rdg. 24-V-2005 lot02[,]22°07.87'N 159°39.55'W [,] El. 1160-1165 m beat veg. [,] at night J. K. Liebherr
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	5mi S Cuerna-[,] vaca Mor. MEX. [,] 3-23-59 4000' [,] H. E. Evans
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	5mi S Cuerna-[,] vaca Mor. MEX. [,] 3-23-59 4000' [,] H. E. Evans
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	5mi S Cuerna-[,] vaca Mor. MEX. [,] 3-23-59 4000' [,] H. E. Evans
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	3mi N Cuerna-[,] vaca Mor. MEX. [,] 3-14-59 7500' [,] H. E. Evans
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	Las Estacas '59[,] Mor. MEX. IV-6 [,] 3000' H. E. Evans
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	Xalitla, Guerr. [,] 3-20 '59 MEX. [,] 1500 HEEvans [,] DMAnderson
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	Aquidauana [,] M. Grasso, BRAZIL [,] 11-13 Dec. 1919 [,] Cornell U. Exped; Cornell U. [,] Lot. 833 [,] Sub. 9
<i>Teleonemia scrupulosa</i> Stål	CUIC	M	Aquidauana [,] M. Grasso, BRAZIL [,] 11-13 Dec. 1919 [,] Cornell U. Exped; R. G. Harris [,] Collector; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] C. J. D. Stål; Cornell U. [,] Lot. 833 [,] Sub. 9
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	Cornell U. [,] Lot. 407 [,] Sub. 12
<i>Teleonemia scrupulosa</i> Stål	CUIC	F	Jamaica [,] West Indies ; Para- [,] TYPE; Cornell U. [,] Lot. 586 [,] Sub. 40; <i>Teleonemia</i> [,] Van Duzeei [,] Drake [,] Det. Drake; PARATYPE [,] Cornell U. [,] No. 4290
<i>Teleonemia scrupulosa</i> Stål	DARC	M	USA: Hawaii: Oahu [,] Waianae Kai For. Res. [,] 1 December 1976 [,] L. & C. W. O'Brien; D. A. Rider [,] Collection; <i>Teleonemia</i> [,] sp. [,] Det. D. A. Rider 85
<i>Teleonemia scrupulosa</i> Stål	DARC	M	USA: Hawaii: Oahu [,] Waianae Kai For. Res. [,] 1 December 1976 [,] L. & C. W. O'Brien; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	USA: Hawaii: Oahu [,] Waianae Kai For. Res. [,] 1 December 1976 [,] L. & C. W. O'Brien; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	USA: Hawaii: Oahu [,] Waianae Kai For. Res. [,] 1 December 1976 [,] L. & C. W. O'Brien; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	USA: Hawaii: Oahu [,] Waianae Kai For. Res. [,] 1 December 1976 [,] L. & C. W. O'Brien; D. A. Rider [,] Collection

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	DARC	F	PARAG: CAAGUAZU [,] 16 km W Cnel. [,] Oviedo: I-29-[,] 83: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	BRAZIL: São Paulo [,] Parelheiros [,] 13 December 1976 [,] Coll. V. N. Alin; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	BRAZIL: São Paulo [,] Cipó [,] 16 February 1976 [,] Coll. V. N. Alin; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	PANAMÁ: Coclé, [,] El Valle, VI-10-13-1985, E. [,] Riley & D. Rider ; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TEX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. Oct.4,86: E. [,] Riley & J. Negrón; collected on [,] Lantana [,] camera; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TEX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. Oct.4,86: E. [,] Riley & J. Negrón; collected on [,] Lantana [,] camera; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TEX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. Oct.4,86: E. [,] Riley & J. Negrón; collected on [,] Lantana [,] camera; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TEX: Cameron Co. [,] Palmito Hill, hwy. [,] 4, E. of Brownsville [,] V-4-87: E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TEX: Cameron Co. [,] Sabal Palm Grove [,] Sanct., IV-5-1987 [,] E.Riley&D. Rider; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	F	TEX: Cameron Co. [,] 14 mi. NE Browns- [,] ville: Oct. 3, 86: E. [,] Riley & J. Negrón; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TX: San Patricio Co. [,] Lake Corpus Christi [,] St. Pk., III-31-1986 [,] Coll. E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	DARC	M	TX: San Patricio Co. [,] Lake Corpus Christi [,] St. Pk., III-31-1986 [,] Coll. E. G. Riley; D. A. Rider [,] Collection
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	El Fortin [,] VII:2:41; Col. by [,] Henry S. Dybas
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	El Fortin [,] VII:2:41; Col. by [,] Henry S. Dybas
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	El Fortin [,] VII:2:41; Col. by [,] Henry S. Dybas
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	El Fortin [,] VII:2:41; Col. by [,] Henry S. Dybas
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	F	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	F	COSTA RICA: Santa [,] Ana X: 26: 1941 [,] Leg. A. Bierig
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	El Fortin [,] VII:7:41; Vera Cruz, [,] Mex.; Col. by [,] H. S. Dybas ; Det. by [,] C. J. Drake; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	FMNH	F	El Fortin [,] VII:7:41; Vera Cruz, [,] Mex.; Col. by [,] H. S. Dybas ; Det. by [,] C. J. Drake
<i>Teleonemia scrupulosa</i> Stål	FMNH	F	Edo. Miranda, D. F. [,] Venezuela 7-5-39 [,] G. Vivas Bertnier; Det by [,] C. J. Drake; Chicago N.H. Mus. [,]Collection (ex [,] W. J. Gerhard Colln.)
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	Orizaba, [,] Veracruz, MEX. [,] VII: 9: 41; Col. by [,] H. S. Dybas
<i>Teleonemia scrupulosa</i> Stål	FMNH	M	Suva, Fiji [,] 2-4-40 [,] R. A. Liever; Det & pres by [,] C. J. Drake
<i>Teleonemia scrupulosa</i> Stål	FSCA	M	PANAMA, PUERTO [,] ARMUELLES [,] 25-I-1983 [,] LINDA STEPHENS [,] BRYCE EDMONSON; INSECT FLIGHT [,] TRAP
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA, Prov. Guanacaste, Carrillo, Playa Hermosa. 0m. 16-19 AGO 1995. J.E. Eger. Manual (red, libre) L_N_284400_352660 #56741; INB0003974036
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA, Prov. Guanacaste, Carrillo, Playa Hermosa. 0m. 16-19 AGO 1995. J.E. Eger. Manual (red, libre) L_N_284400_352660 #56741; INB0003974037
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA, Prov. Guanacaste, Carrillo, Playa Hermosa. 0m. 16-19 AGO 1995. J.E. Eger. Manual (red, libre) L_N_284400_352660 #56741; INB0003974038
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA. Prov. Guanacaste, 15 Km SW Volcán Arenal, Arenal Vista Lodge, 13 - 15 - VIII - 1995, J.E. Eger, coll; INB0003974078
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA. Prov. Heredia. Santo Domingo. Santa Rosa. INBio. 1100m. 12 MAY 2008. J. Lewis. Libre. L_N_217300_526200 #93611; INB0004142633
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA. Prov. Puntarenas, Osa, Ciudad Pto Cortés, Camino Alto Buena Vista, 860m, 10 JUN 2005, M. Moraga, M. Romario Moraga, Red de Barrido, L_S_330523_518739 #83513; INB0004155582
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA. Prov. Heredia. Santo Domingo. Santa Rosa. INBio. 1100m. 6 DEC 2010. T. James, Lewis. Colecta Libre. L_N_217300_526200 #102648; INB0004294397
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA. Prov. Cartago. Ochozogo. San Nicolás, Finca Kirqua. 1750m. 27 NOV 2011. W. Porras. Tp. Malaise. L_N_210600_543600 #104548; INB0004376019
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Estac. Quebrada Bonita, 50m, R. B. Carara, Puntarenas Pr. COSTA RICA Set 1989. R. Zuñiga. L -N 194500_469850; INBIOCRI000016657
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Carara, 200 m, Res. Biol. Carara, Prov. Punt, COSTA RICA, R. Zuniga, Feb 1990, L-N 195250_478700; INBIOCRI000068288
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Zarcero, Alfaro Ruiz, 1700 m, Prov. , Costa Rica, 0 m. Abr 1990, A. A. Solis, L N 240500_493500; INBIOCRI000069421
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Zarcero, Alfaro Ruiz, 1700 m, Prov. , Costa Rica, 0 m. Abr 1990, A. A. Solis, L N 240500_493500; INBIOCRI000069423
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Cerro Tortuguero, P. N. Tortuguero, Prov. Limon, COSTA RICA, 100 m. April 1989, R. Aguilar & J. Solano, L N 285000_588000; INBIOCRI000082543
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Estac. Carara, 200m R. B. Carara, Puntarenas COSTA RICA. Mar. 1990, R. Zuñiga, L N 195250_478700; INBIOCRI000163913
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Carara, 200 m, Res. Biol. Carara, Prov. Punt, COSTA RICA, R. Zuñiga, Feb 1990, L- N 195250_478700; INBIOCRI000273161
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Carara, 200 m, Res. Biol. Carara, Prov. Punt, COSTA RICA, R. Zuñiga, Feb 1990, L- N 195250_478700; INBIOCRI000316913

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	INBio	U	R. Gongora, 700m, 6 km NE de Queb. Grande de Liberia, Prov. Guanacaste, Costa Rica, III curso Parataxon., Feb 1992, L- N 319700_376250; INBIOCRI000422135
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682543
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682564
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682592
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682598
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682673
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, 200 m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 1 a 31 ago 1992, A. Marin, L S 292500_511000; INBIOCRI000682706
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Finca Loaiciga, 6 km sur de Santa Cecilia, Prov. Guanacaste, Costa Rica, 500-500 m. 23 set a 14 oct 1992, P. Rios, L N 332400_380400; INBIOCRI000811441
<i>Teleonemia scrupulosa</i> Stål	INBio	U	R. Gongora, 700m, 6 km NE de Queb. Grande de Liberia, Prov. Guanacaste, Costa Rica, III curso Parataxon., Feb 1992, L- N 319700_376250; INBIOCRI000871547
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Sirena, 0-100m, P. N. Corcovado, Prov. Puntarenas, Costa Rica, 9 a 27 jul 1992, A. Gutierrez, L- S 270500_508300; INBIOCRI000887171
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, 8 km SO. de Cuajiniquil, Prov. Guana, COSTA RICA. 100 m. 10-18 Set 1993, F. Quesada, L N 320300_347200 #2351; INBIOCRI001159216
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Parque Nacional Manuel Antonio, Quepos, P. N. Manuel Antonio, Prov. Punta, COSTA RICA, 80 m. Jul 1991, R. Zuniga, L S 370900_448800; INBIOCRI001327663
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Parque Nacional Manuel Antonio, Quepos, P. N. Manuel Antonio, Prov. Punta, COSTA RICA, 80 m. Jul 1991, R. Zuniga, L S 370900_448800; INBIOCRI001327672
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Parque Nacional Manuel Antonio, Quepos, P. N. Manuel Antonio, Prov. Punta, COSTA RICA, 80 m. Jul 1991, R. Zuniga, L S 370900_448800; INBIOCRI001327678
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Los Almendros, P. N. Guanacaste, Prov. Guana, COSTA RICA. 13 Oct-3 Nov 1993. K. Martinez, L N 334800_369800 # 2405; INBIOCRI001621887
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Amubri, Prov. Limon, COSTA RICA. 70m. 12-31 Oct 1993. G. Gallardo, L S 385500_578000 # 2407; INBIOCRI001645442
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Amubri, Prov. Limon, COSTA RICA. 70m. 12-31 Oct 1993. G. Gallardo, L S 385500_578000 # 2407; INBIOCRI001645511
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Amubri, A.C. Amistad, Prov. Limon, COSTA RICA. 70m. 1-19 Feb 1994, G. Gallardo, L S 385500_578000 # 2687; INBIOCRI001708440
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, Pen. de Osa, Prov. Punta, COSTA RICA. 200m. 1-27 Ene 1992, A. Marin, L S 292500_511000 #1779; INBIOCRI001731585
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Las Pailas, P.N.Rincon de la Vieja, Prov. Guana, COSTA RICA, 800m. 4-31 Oct 1993, K. Taylor, L N 306300_388600 # 2401; INBIOCRI001814771
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Las Pailas, P.N.Rincon de la Vieja, Prov. Guana, COSTA RICA, 800m. 4-31 Oct 1993, K. Taylor, L N 306300_388600 # 2401; INBIOCRI001814849
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Rancho Quemado, Peninsula de Osa, Prov. Puntarenas, Costa Rica, 200 m. 7-27 Ene 1992, A. H. Gutierrez, L S 292500_511000; INBIOCRI001976043
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Las Pailas, P.N. Rincon de la Vieja, Prov. Guana, COSTA RICA. 800 m. Ago-Set 1993, G. Rodriguez, J. Sihezar L N 306300_388600 # 2543; INBIOCRI001979123

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127083
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 31 Oct-18 Nov 1994, F. A. Quesada, L N 320300_347200 # 3328; INBIOCRI002127092
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127846
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127848
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127852
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127859
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127860
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Est. Murcielago, P. N. Guanacaste, Prov. Guana, COSTA RICA. 100 m. 5-18 Nov 1994, C. Cano, L N 320300_347200 # 3329; INBIOCRI002127861
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Caño Negro, R.N.V.S, Alajuela, Costa Rica. 20m. 14-25 ABR 1996. K. F. Flores, L_N_319100_450200 #7633; INBIOCRI002495821
<i>Teleonemia scrupulosa</i> Stål	INBio	U	Caño Negro, R.N.V.S, Alajuela, Costa Rica. 20m. 14-25 ABR 1996. K. F. Flores, L_N_319100_450200 #7633; INBIOCRI002495824
<i>Teleonemia scrupulosa</i> Stål	INBio	U	COSTA RICA, Prov. Guanacaste, Carrillo, Playa Hermosa. 0m. 16-19 AGO 1995. J.E. Eger. Manual (red, libre) L_N_284400_352660 #56741; INB0003974035
<i>Teleonemia scrupulosa</i> Stål	INHS	MF	Ind. River [,] 9/4 Fla. ; ANDREAS [,] BOLTER [,] COLLECTION; Bo. [,] plexa [,] 1065. Say; Genus [,] Physatochila [,] Fieb.; INHS [,] Insect Collection [,] 771,268
<i>Teleonemia scrupulosa</i> Stål	INHS	MF	Ind. River [,] 9/4 Fla. ; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,267
<i>Teleonemia scrupulosa</i> Stål	INHS	F	Ind. River [,] 9/4 Fla. ; ANDREAS [,] BOLTER [,] COLLECTION; INHS [,] Insect Collection [,] 771,266
<i>Teleonemia scrupulosa</i> Stål	ISIC	F	McAlen, Texas [,] June 8 1963 [,] John R. Hannah
<i>Teleonemia scrupulosa</i> Stål	ISIC	F	Harlingen, Tex [,] VIII-25 1945 [,] D. E. Hardy
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	M	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	F	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	ISIC	F	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	ISIC	F	Sanford, Fla. [,] Aug. 1. 1933 [,] C. O. Bare
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Pinellas County: [,] Saint Petersburg, vacant lot [,] between 13th & 9th Ave N [,] and 66th & 64th st. 6-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Pinellas County: [,] Saint Petersburg, vacant lot [,] between 13th & 9th Ave N [,] and 66th & 64th st. 6-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Pinellas County: [,] Saint Petersburg, vacant lot [,] between 13th & 9th Ave N [,] and 66th & 64th st. 6-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Pinellas County: [,] Saint Petersburg, vacant lot [,] between 13th & 9th Ave N [,] and 66th & 64th st. 6-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, 0.8 miles west [,] of FL-570/Plok Parkway, [,] on US-92 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, 0.8 miles west [,] of FL-570/Plok Parkway, [,] on US-92 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	I	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	I	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	I	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	I	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	M	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	JMLC	F	FLORIDA: Polk County: [,] Auburndale, near Lake Lena, [,] on Lake Lena Oaks blvd [,] 8-V-2009 [,] Coll: J. M. Leavengood, Jr.
<i>Teleonemia scrupulosa</i> Stål	KSUC	M	EL SALVADOR: San Salvador [,] 25 JULY 1977 [,] T. A. Granovsky, coll.
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	USA:LA:E.Baton Rouge [,] Par. Bluebonnet Swamp [,] Nat. Center 20 July 2007, [,] X. Wu Sweep vegetation
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	USA:LA:E.Baton Rouge [,] Par. Bluebonnet Swamp [,] Nat. Center 20 July 2007, [,] X. Wu Sweep vegetation
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	USA:LA:E.Baton Rouge [,] Par. Bluebonnet Swamp [,] Nat. Center 20 July 2007, [,] X. Wu Sweep vegetation
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	USA: LA: E. Baton Rouge Par. [,] Baton Rouge, Burdin [,] Res. Plan. [,] Sweep net [,] 24 September 2000 [,] A. M. Pranschke
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	LA: E.Baton Rouge Par. [,] Baton Rouge 22-VIII-1991 [,] D. K. Pollet on [,] Lantana

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA: E.Baton Rouge Par. [,] Baton Rouge 22-VIII-1991 [,] D. K. Pollet on [,] Lantana
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA: E.Baton Rouge Par. [,] Baton Rouge 22-VIII-1991 [,] D. K. Pollet on [,] Lantana
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA: E.Baton Rouge Par. [,] Baton Rouge 22-VIII-1991 [,] D. K. Pollet on [,] Lantana
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	LA: E.Baton Rouge Par. [,] Baton Rouge 3-IX-1991 [,] D. K. Pollet on [,] Lantana
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge Par. [,] Baton Rouge GSRI Rd [,] 11-viii-1993 J. T.McBride & V.L. Moseley [,] coll on lemon verbena
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	USA: LA: E. Baton Rouge Par. [,] Calra Drive circle [,] 30°24.00'N, 91°09.92'W [,] Sweep netting [,] 4 Apr. 2016 [,] Col. L. Moshman; Tingidae [,] Det. L. Moshman [,] 2016
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	TX: Cameron Co. [,] 6 mi. NW Browns- [,] ville on Hwy. 281 [,] X-6-7-84: E. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] 6 mi. NW Browns- [,] ville on Hwy. 281 [,] X-6-7-84: E. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] 6 mi. NW Browns- [,] ville on Hwy. 281 [,] X-6-7-84: E. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] Palm Grove Sanc. [,] V-1987 [,] E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] Palm Grove Sanc. [,] V-1987 [,] E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] Palm Grove Sanc. [,] V-1987 [,] E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	TX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. III-28-29, [,] 1986: E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Margarita [,] Canal Zone [,] 25-28 X 1972 [,] L. H. Rolston; LSAM [,] 0297797
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297692
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297693
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297694
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297695
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297696
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297697
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297698
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Antigua Guata [,] Aug 30 1946 [,] H. M. Harris; LSAM [,] 0297699
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Paraguay, Areguá [,] May 1943 [,] Alberto Schulze; LSAM [,] 0297701
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	NewTeutonia [,] Brazil [,] Oct, 18 1927; LSAM [,] 0297704

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	NewTeutonia [,] Brazil [,] Oct, 18 1927; LSAM [,] 0297705
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Grenada [,] Dr. West Indies [,] H. E. Summers; LSAM [,] 0297718
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Grenada [,] Dr. West Indies [,] H. E. Summers; LSAM [,] 0297719
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Grenada [,] Dr. West Indies [,] H. E. Summers; LSAM [,] 0297720
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Grenada [,] Dr. West Indies [,] H. E. Summers; LSAM [,] 0297721
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Grenada [,] Dr. West Indies [,] H. E. Summers; LSAM [,] 0297722
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297664; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal [,] Froeschner 72
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297665; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297666; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297667; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297668; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La Calera, Managua [,] Nicaragua 16 VII 70; L. H. Rolston [,] Collector; LSAM [,] 0297669; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297670; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297671; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297672; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297673; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297674; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	Km. 4 to Masaya [,] Nic.16-VII-1970 [,] Coll. E. Moore; LSAM [,] 0297675; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge [,] Par. Baton Rouge [,] 9-vi-1993 T. J. Riley [,] on Lantana; LSAM [,] 0297660; HEMIPTERA Tingidae [,] <i>Teleonemia scrupulosa</i> Stål
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge [,] Par. Baton Rouge [,] 9-vi-1993 T. J. Riley [,] on Lantana; LSAM [,] 0297661
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge [,] Par. Baton Rouge [,] 9-vi-1993 T. J. Riley [,] on Lantana; LSAM [,] 0297662
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge [,] Par. Baton Rouge [,] 9-vi-1993 T. J. Riley [,] on Lantana; LSAM [,] 0297663
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	LA:E. Baton Rouge [,] Par. Baton Rouge [,] 9-vi-1993 T. J. Riley [,] on Lantana; LSAM [,] 0263379
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	La CEIBA [,] Honduras; LSAM [,] 0297634; T. sp. near [,] belfragi
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La CEIBA [,] Honduras; LSAM [,] 0297635
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	La CEIBA [,] Honduras; LSAM [,] 0297636
<i>Teleonemia scrupulosa</i> Stål	LSAM	M	La CEIBA [,] Honduras; LSAM [,] 0297637
<i>Teleonemia scrupulosa</i> Stål	LSAM	F	La CEIBA [,] Honduras [,] 1; LSAM [,] 0297638
<i>Teleonemia scrupulosa</i> Stål	MEMC	F	FLA., COLLIER CO [,] IMMOKALEE [,] JAN. 31, 1979 [,] WILLIAM H CROSS; MEMU_ENT 00139647
<i>Teleonemia scrupulosa</i> Stål	MEMC	M	MISS., Harrison Co. [,] Pass Christian [,] 30°18'31"N 89°17'01"W [,] 22 June 2016 [,] L. Santiago, J. A. MacGown; beating vegetation [,] at forest/ [,] road edge

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	MEMC	F	MISS., Harrison Co. [,] Pass Christian [,] 30°18'31"N 89°17'01"W [,] 22 June 2016 [,] L. Santiago, J. A. MacGown; beating vegetation [,] at forest/ [,] road edge
<i>Teleonemia scrupulosa</i> Stål	MEMC	M	PANAMA: Panama [,] Cerro Campana, 600m [,] 3 Jan. 1988 [,] MacDonald & Schiefer; William H. Cross [,] Expedition Caracas
<i>Teleonemia scrupulosa</i> Stål	MNHN	F	
<i>Teleonemia scrupulosa</i> Stål	MSUC	F	Orlando Fla. [,] 25 May 1951; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	TEX: Nueces Co. [,] Port Aransas [,] 8-IV-1982 [,] S. G. Wellso; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	TEXAS: 20 mi N [,] Big Wells [,] 12-IV-1983 [,] S. G. Wellso; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	TEXAS: 20 mi N [,] Big Wells [,] 12-IV-1983 [,] S. G. Wellso; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	F	TEXAS: 20 mi N [,] Big Wells [,] 12-IV-1983 [,] S. G. Wellso; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Brownsville, TEX. [,] Cameron Co. [,] 19 March 1972 [,] D. K. Young; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Mission, TEXAS [,] Hidalgo Co. [,] 16 March 1972 [,] R. L. Fischer; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det D. R. Swanson 2017
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	HONDURAS: [,] La Ceiba [,] 4 April 1978 [,] S. G. Wellso; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det A. H. Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Jalapa, [,] Ver., Mex. [,] VIII/1-6/61 [,] R&K Dreisbach; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det A. H. Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Jalapa, [,] Ver., Mex. [,] VIII/1-6/61 [,] R&K Dreisbach
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Jalapa, [,] Ver., Mex. [,] VIII/1-6/61 [,] R&K Dreisbach
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Jalapa, [,] Ver., Mex. [,] VIII/1-6/61 [,] R&K Dreisbach
<i>Teleonemia scrupulosa</i> Stål	MSUC	F	Jalapa, [,] Ver., Mex. [,] VIII/1-6/61 [,] R&K Dreisbach
<i>Teleonemia scrupulosa</i> Stål	MSUC	F	MEXICO: Jalisco [,] Puerto Vallarta [,] 11-18 Dec. 1983 [,] S. G. Wellso
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Teacapan, Mex. [,] Sinoloa, 6-29-56 [,] R. & K. Dreisbach ; <i>Teleonemia</i> [,] <i>scrupulosa</i> Stål [,] Det J. C. Lutz
<i>Teleonemia scrupulosa</i> Stål	MSUC	M	Vera Cruz, Mex. [,] 7-28 - 8-11-56 [,] R. & K. Dreisbach
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Guat. City, near [,] Univ. del Vale de Guat. [,] 1540 m., 6.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] at small road [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: SOLOLA [,] Panajachel, 1800 m [,] 11.XI.1991 [,] leg. R. Baranowski; beating the vegetation, [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: SOLOLA [,] Panajachel, 1800 m [,] 11.XI.1991 [,] leg. R. Baranowski; beating the vegetation, [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: SOLOLA [,] Panajachel, 1800 m [,] 11.XI.1991 [,] leg. R. Baranowski; beating the vegetation, [,] tropical mountain forest
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Puerta Parada, [,] near Guat. City, 1840 m [,] 10.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] on open ground [,] at small road
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Guatemala: Puerta Parada, [,] near Guat. City, 1840 m [,] 10.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] on open ground [,] at small road
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Puerta Parada, [,] near Guat. City, 1840 m [,] 10.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] on open ground [,] at small road
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Puerta Parada, [,] near Guat. City, 1840 m [,] 10.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] on open ground [,] at small road
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Guatemala: Puerta Parada, [,] near Guat. City, 1840 m [,] 10.XI.1991 [,] leg. R. Baranowski; beating the vegetation [,] on open ground [,] at small road
<i>Teleonemia scrupulosa</i> Stål	MZLU	M	Venezuela: Isla Margarita [,] Playa el Agua [,] 1-8. 2. 2009 [,] LEG. R. Danielsson
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Venezuela: Isla Margarita [,] Playa el Agua [,] 1-8. 2. 2009 [,] LEG. R. Danielsson
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Venezuela: Isla Margarita [,] Playa el Agua [,] 1-8. 2. 2009 [,] LEG. R. Danielsson
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Venezuela: Isla Margarita [,] Playa el Agua [,] 1-8. 2. 2009 [,] LEG. R. Danielsson
<i>Teleonemia scrupulosa</i> Stål	MZLU	F	Hond.: Francisco Morazan, [,] Macuelizo, Tatumbla [,] 13°58'N, 87°05'W [,] 5.III.1996 leg. R. Cave; Malaise trap in [,] mid-elevation [,] oak forest
<i>Teleonemia scrupulosa</i> Stål	MZUCR	F	COSTA RICA, Heredia [,] Santo Domingo, 1200m [,] Lantana [,] P. Hanson XI. 2005
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] New Hanover Co. [,] Wilmington; 7-VI-1999 [,] G. Reese [,] Ex. Lantana sp. ; NCSU 0009951
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] New Hanover Co. [,] Wilmington; 7-VI-1999 [,] G. Reese [,] Ex. Lantana sp. ; NCSU 0009952
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	USA: N. CAROLINA [,] New Hanover Co. [,] Wilmington; 7-VI-1999 [,] G. Reese [,] Ex. Lantana sp. ; NCSU 0009953
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] New Hanover Co. [,] Wilmington; 7-VI-1999 [,] G. Reese [,] Ex. Lantana sp. ; NCSU 0009954
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] New Hanover Co. [,] Wilmington; 7-VI-1999 [,] G. Reese [,] Ex. Lantana sp. ; NCSU 0009955
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Craven Co., New Bern [,] 3-VII-2003 [,] E. Heff; Taken on [,] Lantana foliage; NCSU 0009933
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Craven Co., New Bern [,] 3-VII-2003 [,] E. Heff; Taken on [,] Lantana foliage; NCSU 0009934
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Craven Co., New Bern [,] 3-VII-2003 [,] E. Heff; Taken on [,] Lantana foliage; NCSU 0009935

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Craven Co., New Bern [,] 3-VII-2003 [,] E. Heff; Taken on [,] Lantana foliage; NCSU 0009936
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	USA: N. CAROLINA [,] Craven Co., New Bern [,] 3-VII-2003 [,] E. Heff; Taken on [,] Lantana foliage; NCSU 0009937
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Carteret Co. [,] Emerald Isle; 16-VII-2002 [,] M. Talley [,] Ex. <i>Lantana camara</i> ; NCSU 0009948
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Carteret Co. [,] Emerald Isle; 16-VII-2002 [,] M. Talley [,] Ex. <i>Lantana camara</i> ; NCSU 0009949
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	USA: FLORIDA [,] hendry Co. LaBelle [,] Live Oak Drive ; 12-X-96 [,] R. S. Gilmer [,] blacklight; NCSU 0009950
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Tyrrell Co.; Columbia [,] 35.916°N,-76.250°W; 1.xi.2010; D. Gimsley [,] Ex. <i>Lantana camara</i> ; NCSU 0042492
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Tyrrell Co.; Columbia [,] 35.916°N,-76.250°W; 1.xi.2010; D. Gimsley [,] Ex. <i>Lantana camara</i> ; NCSU 0042493
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	USA: N. CAROLINA [,] Tyrrell Co.; Columbia [,] 35.916°N,-76.250°W; 1.xi.2010; D. Gimsley [,] Ex. <i>Lantana camara</i> ; NCSU 0042494
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	USA: N. CAROLINA [,] Tyrrell Co.; Columbia [,] 35.916°N,-76.250°W; 1.xi.2010; D. Gimsley [,] Ex. <i>Lantana camara</i> ; NCSU 0042495
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: N. CAROLINA [,] Tyrrell Co.; Columbia [,] 35.916°N,-76.250°W; 1.xi.2010; D. Gimsley [,] Ex. <i>Lantana camara</i> ; NCSU 0042496
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: NC: Wake Co. NCSU [,] Wolf village: Sweep, Lat [,] 35.787, Long -78.681, [,] 26.VIII.2010 C. Chu; NCSU 0015654
<i>Teleonemia scrupulosa</i> Stål	NCSU	F	"USA: N. Carolina Edgecomb Co. [,] Upper Costal Plain Research St. [,] 35.901; -77.674 21.ix.2012 [,] A. Del Pozo; NCSU 00256603
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: NC: Wake Co. : Raleigh; [,] NCSU Arboretum: 35.794047, [,] -78.699825. [,] Coll. Using sweep net. [,] 12.x.2012 A> Del Pozo; NCSU 00256604
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA: Pennsylvania, Berks [,] Co., Kutztown: 38 Meadow Ln [,] 40.550, -75.711, 6-7.x.2012 [,] S. O. Bailey; NCSU 00267664
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA FL, Hillsborough Co. [,] Tampa, Vet. Memorial Park
<i>Teleonemia scrupulosa</i> Stål	NCSU	M	USA FL, Hillsborough Co. [,] Tampa, Vet. Memorial Park
<i>Teleonemia scrupulosa</i> Stål	NMPC	F	MEX (Morelos) 2.VII. [,] 1992 CACAHUAMILPA [,] 1495m S.Bily leg. ; COLLECCIO [,] NATIONAL MUSEUM [,] Praha, Czech Republic
<i>Teleonemia scrupulosa</i> Stål	NMPC	F	MEXICO/Guerrero [,] 3 km NW Cacahuamilpa [,] 2.7.1992 1500m [,] leg. H. Mühle; COLLECCIO [,] NATIONAL MUSEUM [,] Praha, Czech Republic
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	El Zamorano. [,] FranciscoMorazan, [,] HondurasXII-22-65; P. H. Freytag [,] H.J.Harlan; OSUC 775534
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	El Zamorano. [,] FranciscoMorazan, [,] HondurasXII-22-65; P. H. Freytag [,] H.J.Harlan; OSUC 775535
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	El Zamorano. [,] FranciscoMorazan, [,] HondurasXII-22-65; P. H. Freytag [,] H.J.Harlan; OSUC 775536
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	El Zamorano, Francisco [,]Morazan, Honduras C. A. [,]August 14, 1967; P. H. Freytag [,] Collectors [,] L. P. Gibson; OSUC 775527
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	El Zamorano, Francisco [,]Morazan, Honduras C. A. [,]August 14, 1967; P. H. Freytag [,] Collectors [,] L. P. Gibson; OSUC 775528
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	El Zamorano, Francisco [,]Morazan, Honduras C. A. [,]August 14, 1967; P. H. Freytag [,] Collectors [,] L. P. Gibson; OSUC 775529
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	El Zamorano, Francisco [,]Morazan, Honduras C. A. [,]August 14, 1967; P. H. Freytag [,] Collectors [,] L. P. Gibson; OSUC 775530

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	17mi.W.-El Sal. [,] SantaRosa, Guat. [,] VII-2-1965; P. H. Freytag [,]& L. P. Gibson [,] Collectors; OSUC 776262
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	17mi.W.-El Sal. [,] SantaRosa, Guat. [,] VII-2-1965; P. H. Freytag [,]& L. P. Gibson [,] Collectors; OSUC 776263
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Piracicaba. Sao [,] Paulo, Brazil [,] I-22-65; Collrs. W. F. & [,] C. A. Triplehorn; OSUC 776258
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Piracicaba. Sao [,] Paulo, Brazil [,] I-22-65; Collrs. W. F. & [,] C. A. Triplehorn; OSUC 776259
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Piracicaba. Sao [,] Paulo, Brazil [,] I-22-65; Collrs. W. F. & [,] C. A. Triplehorn; OSUC 776260
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Piracicaba. Sao [,] Paulo, Brazil VII-18-64; Collr. C. A. [,] Triplehorn; OSUC 776265
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal [,] Det. J. C. Lutz; OSUC 0427312
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427313
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427314
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427315
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427316
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427317
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-25-39 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427318
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427319
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427320
<i>Teleonemia scrupulosa</i> Stål	OSUC	M	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427321
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427322
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427323
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Brownsville [,] V-8-35 Tex. [,] J. N. Knull ; OSUC 0427324
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	32 km. SW. Mirebalais, [,] c500' Haiti VII-5-56 [,] B. & B. Valentine; <i>Teleonemia</i> spp. [,] det. Gagne, 1969; OSUC 777394
<i>Teleonemia scrupulosa</i> Stål	OSUC	F	Starr Co. [,] VI-13-61 Tex. ; D. J. & J. N. [,] Knull Collrs.; OSUC 0427358
<i>Teleonemia scrupulosa</i> Stål	PSUC	F	Eustis, Fla. [,] 1-11-1934 [,] C. E. Waters [,] on Lantana; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stal.
<i>Teleonemia scrupulosa</i> Stål	PSUC	M	Eustis, Fla. [,] 1-11-1934 [,] C. E. Waters [,] on Lantana
<i>Teleonemia scrupulosa</i> Stål	PSUC	M	Eustis, Fla. [,] 1-11-1934 [,] C. E. Waters [,] on Lantana
<i>Teleonemia scrupulosa</i> Stål	PSUC	M	Eustis, Fla. [,] 1-11-1934 [,] C. E. Waters [,] on Lantana
<i>Teleonemia scrupulosa</i> Stål	PSUC	F	Eustis, Fla. [,] 1-11-1934 [,] C. E. Waters [,] on Lantana
<i>Teleonemia scrupulosa</i> Stål	PSUC	M	St. Augustine [,] VIII-7-'35 Fla; JOPepper [,] Collector; Lantana
<i>Teleonemia scrupulosa</i> Stål	PSUC	F	St. Augustine [,] VIII-7-'35 Fla; JOPepper [,] Collector; Lantana
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Sanford Fla. [,] 7-31-33 [,] C. O. Bare; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2020
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Hidalgo Co. [,] Tex. 7-30-1928 [,] R. H. Beamer
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	20 mi. S.W. [,] Tepatitlan [,] Jalisco Mex. [,] 5500ft VIII-20-54; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	20 mi. S.W. [,] Tepatitlan [,] Jalisco Mex. [,] 5500ft VIII-20-54; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	MEXICO Guerrero, [,] 1.5 mi.W. Mochitlán [,] 6 August 1962 [,] U.Kans.Mex. Exped.
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Starr Co. Tex [,] 7-6-38 [,] R. I. Sailer
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	MADAGASCAR: Tamatave [,] Prov., 11km. N. Tama-tave, 15 Jan 1985 [,] John Wenzel
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Punaluu Valley [,] Koolau Range [,] Oahu XI-1-1960; C. W. O'Brien [,] Collector; Ashlock Coll'n [,] Bequest

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Kauai, HAWAII [,] Kokee St. Park [,] Halemanu Stream [,] 25-VII-1968; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Kauai, HAWAII [,] Kokee St. Park [,] Halemanu Stream [,] 25-VII-1968; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Kauai, HAWAII [,] Kokee St. Park [,] Halemanu Stream [,] 25-VII-1968; P D Ashlock [,] collector; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Lanai, HAWAII [,] Lanahale [,] 12-VII-1968 ; W C Gagné [,] collector; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	HAWAII: Hawaii [,] Puu Hualalei [,] Kanaluu Forest Res. ; 27 June 1966 [,] Peter D. Ashlock [,] ex., Pipturus; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	PANAMA, C. Z. [,] Madden Lake [,] May 20, 1973; D. Engleman [,] collector
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	PANAMA, C. Z. [,] Madden Lake [,] May 20, 1973; D. Engleman [,] collector
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	PANAMA, C. Z. [,] Madden Lake [,] May 20, 1973; D. Engleman [,] collector
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Mission, Tex [,] Dec. 26, 1945 [,] R. H. Beamer
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	Mission, Tex [,] Dec. 26, 1945 [,] R. H. Beamer
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	George West [,] Tex 7-4-38 [,] R. H. Beamer
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	14 mi. N Taxco [,] Guerrero Mex. [,] VIII.4.54 4000ft.; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	PARAGUAY [,] 7km.W. Caacupe [,] x.10.1968; Collectors: L & [,] C. W. O'Brien; Ashlock Coll'n [,] Bequest
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	Mission, Tex [,] 7-5-1938 [,] R. H. Beamer
<i>Teleonemia scrupulosa</i> Stål	SEMC	M	20 mi. S.W. [,] Tepatitlan [,] Jalisco Mex. [,] 5500ft VIII-20-54; Univ. Kans. [,] Mex. [,] Expedition
<i>Teleonemia scrupulosa</i> Stål	SEMC	F	PtAntonio [,] Ja. Apr.06 ; Teleonemia [,] scrupulosa St. ; Teleonemia [,] Van Duzeei [,] Drake [,] Det. Drake
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner; Teleonemia [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2016

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] June 30, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] June 30, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] June 30, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] June 30, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] June 30, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] November 14, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] December 12, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] December 12, 1992 [,] J. C. Schaffner; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] 9.7 mi.E juc.Rt1419 [,] on hwy. 4; X-19-1990 [,] E. Riley & T. Carlow; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Palmetto St. Park, [Enter]Gonzales Co., Texas [,] June 7, 1969 [,] Board & Hafernik; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Puebla, 5 mi SE [,] Izacarde Matamores [,] 20-VII-1984, J. B. Woolley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Veracruz [,] 3 mi. E. Huatusco [,] 22-VII-1984 [,] J. B. Woolley 85/084
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Puebla [,] 4.1 mi. s. Acatepec [,] July 9, 1981 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	INDIA: Karnataka [,] State, Bangalore [,] December 1993 [,] A. Rao, Malaise trap
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Veracruz [,] 3 mi. ne. Huatusco [,] 22-VI01985 [,] J. B. Woolley 85/084
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Hidalgo Co., Las [,] Palomas Wldf. Manag. [,] Ar., Peñitas Unit, IV-7- [,] 1991; T.Carlow & E.Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Cameron Co. [,] 9.7 mi.E juc.Rt1419 [,] on hwy. 4; X-19-1990 [,] E. Riley & T. Carlow; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] 9.7 mi.E juc.Rt1419 [,] on hwy. 4; X-19-1990 [,] E. Riley & T. Carlow; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2016
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Guanajuato [,] 2 mi. w, Delores [,] Hidalgo VII-5-1985 [,] J. B. Woolley
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Chiapas [,] 1 mi. north Mitontic [,] August 20, 1990 [,] Robert W. Jones
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Chiapas [,] 12 mi. east Huixtán [,] September 15, 1990 [,] Robert W. Jones
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., IV-23-1994 [,] Coll. E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Oaxaca, 3.9 mi [,] NE San Gabriel Mixtepec [,] 16-VII-1985, J. Woolley [,] G. Zolnerowich 85/067
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEX: Oaxaca 1.1 m. [,] W. El Tule el. 5400' [,] 17.VII.1987 Woolley [,] & Zolnerowich 87/048
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEX: Oaxaca 1.1 m. [,] W. El Tule el. 5400' [,] 17.VII.1987 Woolley [,] & Zolnerowich 87/048
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEX: Oaxaca 1.1 m. [,] W. El Tule el. 5400' [,] 17.VII.1987 Woolley [,] & Zolnerowich 87/048
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Oaxaca 1.1 m. [,] W. El Tule el. 5400' [,] 17.VII.1987 Woolley [,] & Zolnerowich 87/048
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., VII-27-1991 [,] T. Carlow & E. Riley

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., VII-27-1991 [,] T. Carlow & E. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., VII-27-1991 [,] T. Carlow & E. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., VII-27-1991 [,] T. Carlow & E. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Cameron Co. [,] Sabal Palm Grove [,] Sanct., VII-27-1991 [,] T. Carlow & E. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Starr Co. [,] along Rio Grande at [,] Salineño, XI-2-1991 [,] T. Carlow & E. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Guerrero [,] 5.4 mi. NE Xochipala [,] July 13, 1989 [,] Jones & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	USA: TEXAS: Hidalgo Co. [,] Bentsen R.G.V.S.P. (site 1) [,] 26.17830°N, 98.38577°W [,] XI-1-2008-II-7-2009, LFT [,] J. King & E. Riley-445 [,] cedar elm forest; TAMU-ENTO [,] X0590295
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] III-11-2009, beating [,] J. King & E. Riley-517 [,] dense costal brush; TAMU-ENTO [,] X0613342
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] IV-13-25-2010, FIT- ground [,] J. King & E. Riley-1837 [,] dense costal brush; TAMU-ENTO [,] X0830912
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] X-29-2008, beating [,] J. King & E. Riley-298 [,] dense costal brush; TAMU-ENTO [,] X0827581
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] X-29-2008, beating [,] J. King & E. Riley-298 [,] dense costal brush; TAMU-ENTO [,] X0827464
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] X-29-2008, beating [,] J. King & E. Riley-298 [,] dense costal brush; TAMU-ENTO [,] X0827754
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	USA: TEXAS: Cameron Co. [,] Laguna Atascosa NWR (site 1) [,] 26.22375°N, 97.35454°W [,] V-6-20-2009, Lindgren FT [,] J. King & E. Riley-961 [,] dense costal brush; TAMU-ENTO [,] X0591535
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	11mi.E.Chiapa de [,] Corzo, Chis., Mex. [,] VI-22-65. Burke, [,] Meyer, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	19 km. e. Teopisca, [,] Chiapas, Mexico [,] Aug.15, 1967 el. 6400' [,] H. R. Burke and [,] J. Hafernik
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	18 miles east of [,] Jalpan, Queretaro, [,] Mexico July 24, 1970 [,] Phelps, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	10 mi.E.Cardenas, [,] Tab., Mex. VI-12-65 [,] Burke, Meyer, [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	3 mi.E.Papantla, [,] V.C., Mex.VI-7-65 [,] Burke, Meyer, [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Taylor, TEX. [,] Williamson Co. [,] VII-15-1967 [,] J. R. Hafernik
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Welder Wildlife Ref., [,] San Patricio Co., Texas [,] June 28 1969 [,] Board & Hafernik; Taken at [,] " black light"
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Welder Wildlife Ref., [,] San Patricio Co., Texas [,] June 28 1969 [,] Board & Hafernik; Taken at [,] " black light"
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Yucatan [,] Chichen Itza [,] 20°40'N; 88°36'W [,] 10 Nov. 1989 [,] Palmer, Pullen Leg. ; 89314-1-5 [,] Lantana [,] urticifolia Mill. [,] x camera hubd; 4569; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Yucatan [,] Chichen Itza [,] 20°40'N; 88°36'W [,] 10 Nov. 1989 [,] Palmer, Pullen Leg. ; 89314-1-5 [,] Lantana [,] urticifolia Mill. [,] x camera hubd; 4570; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Starr Co. [,] Falcon Lake St. Park [,] 20-IV-1985 [,] J. B. Woolley 85/003
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Starr Co. [,] Falcon Lake St. Park [,] 20-IV-1985 [,] J. B. Woolley 85/003
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	PHILIPPINES: Luzon [,] Laguna [,] Los Banos [,] March 31, 1983 [,] J. A. Jackman; Teleonemia [,] prob. Scrupulosa [,] Stål [,] det. L. Torres-Miller
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEX: Cameron Co. [,] 12.5 mi. E. Browns- [,] ville on Hwy 4; [,] X-14-88: E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10 mi. south Uruapan [,] July 29, 1988 [,] Ferreira, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10 mi. south Uruapan [,] July 29, 1988 [,] Ferreira, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Puebla, [,] 7.3 miles southwest [,] Izucar de Matamoros [,] August 1, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Tamps., 2 km [,] N. El Piruli, 400 m [,] 11, 14 June, 1987 [,] Coll. R. Jones
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Guerrero [,] 6 miles northeast [,] Tixtla de Guerrero [,] July 16, 1984 [,] Carroll, Schaffner, Friedlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Oaxaca [,] 4 mi. ne. Miltepec [,] July 21, 1984 [,] Carroll, Schaffner [,] Friedlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Guerrero [,] 4 miles west of [,] Chilpancingo [,] July 15, 1984 [,] Carroll, Schaffner, [,] Friedlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEX: Cameron Co. [,] Sabal Palm Grove [,] Sanct. X-13-14-[,] 1988: E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Puebla [,] 6 mi. sw. Tehuacan [,] July 8, 1981 [,] Bogar, Schaffner, [,] Friedlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEX:Mich, 14.3km.S. [,] Uruapan, 1370-1465m [,] 29.vii.88 R.S.Anderson [,] oak-Acaica woodland 88-10
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Jim Wells Co. [,] La Copita Res. Sta. [,] 8 mi. w. Ben Bolt [,] May, 20-21, 1987 [,] J.C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 4.2 miles north [,] Tonaltepec [,] July 21, 1987 [,] Kovarik, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Jalisco [,] 6 mi. N Autlan [,] July 7, 1984 [,] Schaffner, Woolley [,] Carroll, Freidlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Tamaulipas [,] 101 km. e. Cd. [,] Victoria [,] 17-VII-1973 [,] Gaumer and Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Jalisco [,] 11 mi. n. Autlan [,] July 6, 1984 [,] Carroll, Schaffner, [,] Freidlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Nuevo Leon [,] 15 mi. w. Linares [,] July 2-3, 1973 [,] Mastro & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Nuevo Leon [,] 15 mi. w. Linares [,] July 2-3, 1973 [,] Mastro & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Nuevo Leon [,] 15 mi. w. Linares [,] July 2-3, 1973 [,] Mastro & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Hidalgo Co. [,] Bentson - Rio Grande [,] State Park [,] March 14, 1974 [,] R. R. Murray
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: VeraCruz [,] 7 mi. NE. Mata Espino [,] July 1, 1971 [,] Clark, Murray [,] Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Chiapas, [,] .5 mi. n. Ocozocoautla [,] July 8, 1971 [,] Clark, Murray, Hart, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Puebla [,] 4.4 mi SW Acatepec [,] July 26, 1974 [,] Clark, Murray, [,] Ashe, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Tamps. [,] 7 miles south of [,] Antigua Morelos [,] 21 August, 1974 [,] W. E. Clark 6
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Oaxaca [,] 16.1 mi. nw. Totolapan [,] July 21, 1974 [,] Clark, Murray, [,] Ashe, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Nuevo Leon [,] 18 mi. sw. Linares [,] July 2, 1974 [,] Clark, Murray, [,] Ashe, Schaffner

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Nuevo Leon [,] 18 mi. sw. Linares [,] July 2, 1974 [,] Clark, Murray, [,] Ashe, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	COSTA RICA: Alajuela [,] Alajuela Expt. Station [,] XII-4-1985 [,] Coll. R. Wharton
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	PANAMA: Chiriqui Prov. [,] Lagunas del Colcan [,] 5 km SW Volcan [,] 8°45'52"N 82°40'33"W [,] 4220 ft. 30.vii.1991[,] A. R. Gillogly
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	PANAMA: Chiriqui Prov. [,] Lagunas del Colcan [,] 5 km SW Volcan [,] 8°45'52"N 82°40'33"W [,] 4220 ft. 30.vii.1991[,] A. R. Gillogly
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Mexico [,] 4.3 mi NE Ixtapan [,] July 6, 1974 [,] Clark, Murray, [,] Ashe, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Vera Cruz [,] 5 mi. w. Palma Sola [,] July 28, 1974 [,] Clark, Murray, [,] Ashe, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Nuevo Leon [,] 13 miles north of [,] Cienaga de Flores [,] July 23, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Puebla, [,] 7.3 miles southwest [,] Izucar de Matamoros [,] August 1, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Jalisco [,] 4.2 mi. N. Autlan [,] Bottom of mine road [,] VII-7-1984 [,] J. B. Woolley
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	VENEZUELA: Lara [,] 6 km. S El Tacuyo [,] December 29, 1985 [,] Acacia Savanna, 700 m [,] R. Jones, P. Kovarik
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	VENEZUELA: Lara [,] 6 km. S El Tacuyo [,] December 29, 1985 [,] Acacia Savanna, 700 m [,] R. Jones, P. Kovarik
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	VENEZUELA: Lara [,] 6 km. S El Tacuyo [,] December 29, 1985 [,] Acacia Savanna, 700 m [,] R. Jones, P. Kovarik
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	VENEZUELA: Lara [,] 6 km. S El Tacuyo [,] December 29, 1985 [,] Acacia Savanna, 700 m [,] R. Jones, P. Kovarik
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	VENEZUELA: Lara [,] 6 km. S El Tacuyo [,] December 29, 1985 [,] Acacia Savanna, 700 m [,] R. Jones, P. Kovarik
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	BRASIL: Minas Gerais [,] Carmo do Rio Claro [,] Janeiro, 1978 [,] Carvalho & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4552; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4553; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4554; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4555; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4557; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4559; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Quintana Roo [,] Cancun [,] 21°9'N; 86°53'W [,] 7 Nov 1989 [,] Palmer, Pullen Leg. ; 89311-1-16 [,] Lantana [,] urticifolia [,] Mill; 4560; Teleonemia [,] scrupulosa Stal [,] Det. R. C. Froeschner [,] Jan 1990
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Tamaulipas [,] 6.5 Mi. S. Cd. Victoria [,] October 12, 1973 [,] Gaumer & Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Tamaulipas [,] 6.5 Mi. S. Cd. Victoria [,] October 12, 1973 [,] Gaumer & Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Tamaulipas [,] 10.8 Mi. SW. [,] Cd. Victoria [,] October 10, 1973 [,] Gaumer & Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Tamaulipas [,] 10.8 Mi. SW. [,] Cd. Victoria [,] October 10, 1973 [,] Gaumer & Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Puebla, [,] 7.3 miles southwest [,] Izucar de Matamoros [,] August 1, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Michoacan [,] 10.6 mi. S. Uruapan [,] July 24, 1983 [,] Kovarik, Harrison [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Nayarit [,] Volcan Ceboruco [,] 8-12 km. W Jala [,] 4 Oct. 1990 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Nayarit [,] Volcan Ceboruco [,] 8-12 km. W Jala [,] 4 Oct. 1990 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 3.4 mi. se. Matatlan [,] July 12, 1981 [,] Bogar, Schaffner, [,] Freidlander
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEX: Guerrero, 2.1 [,] mi.NE.Cacahuamilpa [,] 5250ft. VII-4-1987 [,] Kovarik, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Augascalientes [,] 6 miles east Calvillo [,] July 11, 1983 [,] Kovarik, Harrison, [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Augascalientes [,] 6 miles east Calvillo [,] July 11, 1983 [,] Kovarik, Harrison, [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Tamps. [,] 5.3 Mi. SW. [,] Cd. Victoria [,] October 10, 1973 [,] Gaumer & Clark
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 mi. W. El Tule [,] 5400ft., VII-17-87 [,] Kovarik, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	PHILIPPINES: Luzon [,] Laguna [,] Los Banos [,] March 31, 1983 [,] J. A. Jackman
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	PHILIPPINES: Luzon [,] Laguna, Los Banos [,] Forestry School Grds. [,] April 1, 1983 [,] J. A. Jackman
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEX: Bell & Corgell [,] Co., Fort Hood, VI [,] -10-1986. D. Kuhr [,] ex: Leucophyllum sp.
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Tamaulipas [,] vic. Gomez Farias [,] 14 July 1982 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	RNC, Kerrville, TX [,] X-10-1998 [,] W. F. Chamberlain

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Dimmit , Co. [,]VI-20-34 TX; S E Jones [,] Collector
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	14 miles east of [,] Landa de Matamoros, [,] Queretaro, Mexico [,] July 23-24, 1970 [,] Murray, Phelps, Hart, [,] Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Nuevo Leon [,] 13 miles north of [,] Cienaga de Flores [,] July 23, 1976 [,] Peigler, Gruetzmacher, [,] R&M Murray, Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	MF	Dimmit , Co. [,]4/19/34 TX; Pest on [,] Cenisa; S E Jones [,] Collector; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] det Stal [,] HGBarber
<i>Teleonemia scrupulosa</i> Stål	TAMU	MF	Dimmit , Co. [,]4/19/34 TX; Pest on [,] Cenisa; S E Jones [,] Collector; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] det Stal [,] HGBarber
<i>Teleonemia scrupulosa</i> Stål	TAMU	MF	Dimmit , Co. [,]4/19/34 TX; Pest on [,] Cenisa; S E Jones [,] Collector; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] det Stal [,] HGBarber
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	College Sta., Tex [,] IX-6-36 [,] H. G. Johnston
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	Hidalgo County [,] VI-8-1942 Tex; P. T. Riherd [,] Collector; 7538
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	College Station [,] Jul. 23 1929 Tex; H. J. Reinhard [,] Collector; 3735; On Lantana [,] at Main Bldg.
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	College Station [,] Jul. 23 1929 Tex; H. J. Reinhard [,] Collector; 3735
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	College Station [,] Jul. 23 1929 Tex; H. J. Reinhard [,] Collector; 3735
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEX: Uvalde Co. [,] IX-12-1989 [,] Coll. J. Stewart [,] on Lanatana

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	MEXICO: Oaxaca [,] 1.1 miles west of El Tule, [,] Elev. 5400' July 17, 1987 [,] Woolley Y Zolnerowich
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Jalisco [,] 16 km. n. Autlan [,] July 31-Aug. 2, 1978 [,] Plitt & Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	TEXAS: Brazos Co. [,] College Station [,] July 11, 1992 [,] J. C. Schaffner
<i>Teleonemia scrupulosa</i> Stål	TAMU	M	MEXICO: Tamaulipas [,] 22 mi. E. Calles [,] 500 m., riverbed [,] June 20, 1986 [,] R. W. Jones
<i>Teleonemia scrupulosa</i> Stål	TAMU	F	NICARAGUA: RIVAS [,] San Juan Del Sur [,] 11°15'N 85°52'W [,] 10.III.1998 [,] L. J. Clark MT
<i>Teleonemia scrupulosa</i> Stål	UAIC	M	vicinity Almos. [,] CON., MEX. Apr.24, [,] 1961 RH&EMPainter
<i>Teleonemia scrupulosa</i> Stål	UCDC	M	6 mi. S [,] Villa Matamoros [,] Chih. Mex. [,] VIII-8-1967; R. C. Gardner [,] C. R. Kovacic [,] K. Lorenzen [,] Colrs
<i>Teleonemia scrupulosa</i> Stål	UCDC	M	20 Km SW Coro [,] Miranda [,] Falcon VZLA [,] VII 17 1979; R. W. Brooks [,] A A Grigarick [,] J McLaughlin [,] R O Schuster
<i>Teleonemia scrupulosa</i> Stål	UCDC	M	5 mi. s Izucar [,] de Matamoros [,] Pue. MEX. [,] VIII 1 1968; F. D. Parker [,] L. A. Stange [,] Collectors
<i>Teleonemia scrupulosa</i> Stål	UCDC	M	MEX Sin. 25km [,] n Rio Fuerte [,] S.Miguel. G. Ekis [,] 8/viii/1985
<i>Teleonemia scrupulosa</i> Stål	UCDC	F	MEX Sin. 25km [,] n Rio Fuerte [,] S.Miguel. G. Ekis [,] 8/viii/1985

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	TX: Cameron Co., [,] Southmost, Audubon [,] Sabal Palm Refuge; 29 December 2007 [,] David L. Wagner [,] beaten from Lantana
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	TX: Cameron Co., [,] Southmost, Audubon [,] Sabal Palm Refuge; 29 December 2007 [,] David L. Wagner [,] beaten from Lantana
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	Karnataka [,] 9km NE Bangalore [,] 900m VI 25 93; Carl W. Schaefer [,] Collection 2015
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	Karnataka [,] 9km NE Bangalore [,] 900m VI 25 93; Carl W. Schaefer [,] Collection 2015
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	Karnataka [,] 9km NE Bangalore [,] 900m VI 25 93; Carl W. Schaefer [,] Collection 2015
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	Karnataka [,] 9km NE Bangalore [,] 900m VI 25 93; Carl W. Schaefer [,] Collection 2015
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	Karnataka [,] Ramandrug 990m [,] XI 29 80; Carl W. Schaefer [,] Collection 2015
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	USA: Florida: Highlands Co. [,] Archbold Biological Station [,] October 27, 2012, J. O'Donnell [,] Beating Lantana [,] Adults and nymphs present; Teleonemia [,] scrupulosa [,] (Stål) [,] Det. J. E. O'Donnell
<i>Teleonemia scrupulosa</i> Stål	UCMS	M	JUAN MINA [,] P. RICO [,] 8-37; J. A. Slater [,] Collection; Teleonemia [,] scrupulosa Stal[,] det. J A Slater 1954
<i>Teleonemia scrupulosa</i> Stål	UCMS	F	JUAN MINA [,] P. RICO [,] 8-37; J. A. Slater [,] Collection
<i>Teleonemia scrupulosa</i> Stål	UDCC	M	BELIZE, Cayo District [,] nr Georgeville [,] roadside, 8-Jan-2003
<i>Teleonemia scrupulosa</i> Stål	UDCC	F	BELIZE Cayo District, nr. [,] TeakettleBank,Pooks'sHill [,] 17 09.257'N 88 51.09'W [,] 279ft; 7-VII-2003CRBartlett
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 1 km. S Ticul [,] 21 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 1 km. S Ticul [,] 21 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 1 km. S Ticul [,] 21 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 1 km. S Ticul [,] 21 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 1 km. S Ticul [,] 21 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 2 km. S Xcalapoop [,] 23 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Yucetan [,] 38 km. S Valladolid [,] 25 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 15 km. S Valladolid [,] 25 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Yucetan [,] 15 km. S Valladolid [,] 25 Oct. 1991 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEX. San Luis Potosi [,] 4.5m w Antiquo mureios [,] Oct 17 1985 [,] R. Morris II
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEX. San Luis Potosi [,] 4.5m w Aniiquo mureios [,] Oct 17 1985 [,] R. Morris II
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: San Luis Potosi [,] 12 km. W Rio Verde [,] 19 July 1988 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: San Luis Potosi [,] 12 km. W Rio Verde [,] 19 July 1988 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Guerrero [,] 10 km. N Chilpancingo [,] 22 July, 1987 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Guerrero [,] 10 km. N Chilpancingo [,] 22 July, 1987 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Guerrero [,] 10 km. N Chilpancingo [,] 22 July, 1987 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Guerrero [,] hwy. 134, 62 km NE jct. [,] hwy. 200, 16 July 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Colima [,] vic. El Terrero [,] 5 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-8
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Tamaluipas [,] Bocatomata w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] 2.6-6 km. S La Trini- [,] taria, 19 Oct. 1988 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Nayarit [,] Volcan Ceboruco, 4-9 [,] km. S Jala [,] 7 Oct. 1992 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Jalisco [,] microondas San Fran- [,] cisco rd km. 9-11,27 [,] July 2011, R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	DOMINICAN REPUBLIC [,] Barahona Prov., 4.5 km. [,] S Barahona, 18 May 1992 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	DOMINICAN REPUBLIC [,] Monte Cristi Prov., 8.6 [,] km. N Villa Elisa [,] 26 May 1992 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	DOMINICAN REPUBLIC [,] Monte Cristi Prov., 8.6 [,] km. N Villa Elisa [,] 26 May 1992 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	DOMINICAN REPUBLIC Monte [,] Cristi, 5 km N Villa [,] Elisa, 31 May 1994 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Atlantida [,] PN Pico Bonito, Est. [,] CURLA, 6 June 2003 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Olancho [,] Montaña del Malacate [,] 23 May 2002 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 23 May 2002 [,] R. Turnbow

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Olancho [,] Montaña del Malacate [,] 11 June 2003 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HOND. Olancho [,] Sierra de Agalta, 4 km. [,] N Catacamas, 13 Oct. 1993 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Olancho [,] 7 km. S Guyape [,] 27 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Francisco [,] Morazon, Zamorano [,] 13 May 2002 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Francisco [,] Morazon, Zamorano [,] 13 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Francisco [,] Morazon, Zamorano [,] 13 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Francisco [,] Morazon, Zamorano [,] 13 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: Francisco [,] Morazon, Zamorano [,] 13 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Atlántida [,] RVS Curo Y Salado [,] 19 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: Atlántida [,] La Union [,] 19 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HOND. Santa Barbara [,] 8 km. N Santa Barbara [,] 9 Oct. 1993 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: El Paraiso [,] vic. Yuscaran [,] 2 June 1993 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	PANAMA: Panama [,] El Llano-Carti Rd. [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	PANAMA: Panama [,] El Llano-Carti Rd. [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	PANAMA: Panama [,] El Llano-Carti Rd. [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	PANAMA: Panama [,] El Llano-Carti Rd. [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	PANAMA: Panama [,] Cerro Jefe [,] 13 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	PANAMA: Colon [,] 4.2 km. W Puerto [,] Lindo, 14 Feb. 1999 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	I	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	I	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	I	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	I	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	I	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO:Tamalupias [,] Bocatoma w. s., 7 km SSE [,] Gomez Farias [,] 15 Oct. 1985 [,] R. Turnbow

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Guerrero [,] 68 km. S Chilpancingo [,] 22 July 1987 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Chiapas [,] El Sumidero [,] 4 Oct. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	MEXICO: Chiapas [,] El Sumidero [,] 4 Oct. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] El Sumidero [,] 2 Oct. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] El Sumidero [,] 28 Sept. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] El Sumidero [,] 28 Sept. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] Nututun, 3.5 km. S [,] Palenque [,] 30 Sept. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] Nututun, 3.5 km. S [,] Palenque [,] 30 Sept. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Chiapas [,] 18 km. W Tuxtla Gutierrez [,] 28 Sept. 1986 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	HONDURAS: El Paraiso [,] Yuscarán [,] 21 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	F	HONDURAS: El Paraiso [,] Yuscarán [,] 21 July 2001 [,] R. Turnbow
<i>Teleonemia scrupulosa</i> Stål	UGCA	M	MEXICO: Colima [,] vic. El Terrero [,] 3 Oct. 1992 [,] R. Turnbow; Los Sauces rd. [,] km. mk. 5-6
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	TX: Wharton Co. [,] Wharton [,] 5 April 1983 [,] Marlin Rice coll
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	TX: Cameron Co. [,] Sabal Palm Grove [,] 22-V-1982 [,] Marlin E. Rice
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	MEX Mexico [,] 16kmS Temascal-tepec, on oak [,] VII-20-1991, [,] W. F. Barr
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	MEX Colima [,] Minatitlan Rd. [,] 1.3km.S Punta de [,] Agua, X-30-1988; Sweeping; W. F. Barr [,] Collector
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	MEX Colima [,] Minatitlan Rd. [,] 1.3km.S Punta de [,] Agua, X-30-1988; Sweeping; W. F. Barr [,] Collector
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	Brownsville [,] Cameron Co. [,] TEX III-27-1986; Celtis; W. F. Barr [,] Collector
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	MEX Jalisco [,] 13km.N [,] El Tuito [,] VII-23-1990, [,] on Acacia, [,] W. F. Barr
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	F	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UIDC	M	USA: Hawaii, [,] Kauai Co., [,] Kokee St Pk [,] 26 May 1993; Collector: [,] C. L. Campbell; TELEONEMIA [,] SCRUPULOSA [,] Stål [,] det. C.L.Campbell 1993
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	No. 183.5 [,] Date. 4.21.59 [,] Loc. San [,] Salvador [,] Col. PAB; Paul A. Berry Coll. [,] Wilbur R. Enns [,] Entomology Musum
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	No. 183.5 [,] Date. 4.21.59 [,] Loc. San [,] Salvador [,] Col. PAB; Paul A. Berry Coll. [,] Wilbur R. Enns [,] Entomology Musum
<i>Teleonemia scrupulosa</i> Stål	UMRM	F	MEX: Tamaulipas [,] Sumit above Hulilo [,] ~ 1.76M. Ele. III [,] -25-26-80; E. G. Riley

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	MEX: Tamaulipas [,] Bocatoma, 7 Km SSE [,] Gomez Farias: Jan. [,] 5-7, 1991: E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	PANAMA: Coclé Prov. [,] El Valle [,] May 15, 1980; E. G. [,] Riley & D. LeDoux
<i>Teleonemia scrupulosa</i> Stål	UMRM	F	PANAMA: Coclé Prov. [,] El Valle [,] May 15, 1980; E. G. [,] Riley & D. LeDoux
<i>Teleonemia scrupulosa</i> Stål	UMRM	F	TEX: San Patricio Co. [,] Welder Wildlife Refuge [,] XI-30, -XII-2, 73: CW. & [,] L. O'Brien, Marshall, Riek
<i>Teleonemia scrupulosa</i> Stål	UMRM	F	Tex; Cameron Co. [,] 9 mi NE Brownsville [,] May 18, 1979 [,] Coll. E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	No. 444-9 [,] Date. 16-IV-53 [,] Loc. SN [,] Andres [,] Col. M. S. V
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	No. 444-3 [,] Date. 16-IV-53 [,] Loc. SN [,] Andres [,] Col. M. S. V
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	No. 416-14 [,] Date. 1-23-53 [,] Loc. SN [,] Andres [,] Col. M. S. V
<i>Teleonemia scrupulosa</i> Stål	UMRM	M	Tex: Cameron Co. [,] 9 mi NE Brownsville [,] May 18, 1979 [,] Coll. E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	UMRM	F	Tex: Cameron Co. [,] 9 mi NE Brownsville [,] May 18, 1979 [,] Coll. E. G. Riley
<i>Teleonemia scrupulosa</i> Stål	UMSP	F	L. Worth [,] 46.87, Fla; Heideman [,] Collector; <i>Teleonemia</i> [,] sacchari [,] Fab
<i>Teleonemia scrupulosa</i> Stål	UPRM	F	St. Georges, [,] Grenada, B. W. I. [,] May 1937; S. T. Danforth [,] Collector; <i>Teleonemia</i> [,] scrupulosa [,] Stal [,] Det. A. H. Knudson 2021
<i>Teleonemia scrupulosa</i> Stål	USNM	M	COSTA RICA [,] San Ramón 3 Rios [,] 10 Aug 1972 [,] J Maldonado C
<i>Teleonemia scrupulosa</i> Stål	USNM	M	COSTA Rica [,] Cartago Province [,] Pejibaye [,] 24-25 March 1987 [,] W. E. Steiner; Malaise trap in [,] old field and [,] agricultural area
<i>Teleonemia scrupulosa</i> Stål	UTIC	M	TEXAS: McMullen Co. [,] Choke Canyon State Park [,] Three Rivers, 16km W [,] N28.478615 W98.346829 [,] 21.May.2011 J. C. Abbott [,] #2503 & Entomology Class
<i>Teleonemia scrupulosa</i> Stål	UTIC	F	TEXAS: McMullen Co. [,] Choke Canyon State Park [,] Three Rivers, 16km W [,] N28.478615 W98.346829 [,] 21.May.2011 J. C. Abbott [,] #2503 & Entomology Class
<i>Teleonemia scrupulosa</i> Stål	UTIC	F	USA TX Travis Co: Austin [,] nr Austin Mem Pk Cemetery [,] 30.328°N -97.754°W [,] 2.vii.2020 AL. Wild; U Texas Insect Coll [,] 265117
<i>Teleonemia scrupulosa</i> Stål	UTIC	M	USA, TX, Hays Co.: [,] 2k S Dripping Springs [,] 30.1749°N -98.0818°W [,] 350m 10.viii.2020 [,] sweep AL. Wild; U Texas Insect Coll [,] 265224
<i>Teleonemia scrupulosa</i> Stål	UTIC	M	USA, TX, Hays Co.: [,] 2k S Dripping Springs [,] 30.1749°N -98.0818°W [,] 350m 10.viii.2020 [,] sweep AL. Wild; U Texas Insect Coll [,] 265225
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, Florida, [,] Sarasota Co. [,] 2 mi. e. Venice [,] 16 April 1995 [,] S. M. Clark; collected [,] from [,] Lantana sp.; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, Florida, [,] Sarasota Co. [,] 2 mi. e. Venice [,] 16 April 1995 [,] S. M. Clark; collected [,] from [,] Lantana sp.; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	USA, TX, Goliad Co. [,] Goliad, 23-IX-1996 [,] S. M. Clark [,] and R. A. Androw; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, TX, Goliad Co. [,] Goliad, 23-IX-1996 [,] S. M. Clark [,] and R. A. Androw; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, TX, Goliad Co. [,] Goliad, 23-IX-1996 [,] S. M. Clark [,] and R. A. Androw; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	TEXAS, Cameron Co. [,] Sabal Palm Grove [,] Sanctuary [,] 27 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	TEXAS, Cameron Co. [,] Sabal Palm Grove [,] Sanctuary [,] 27 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	TEXAS, Cameron Co. [,] Sabal Palm Grove [,] Sanctuary [,] 27 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] scrupulosa [,] Stål [,] Det. A.H.Knudson 2019

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	TEXAS, Cameron Co. [,] Sabal Palm Grove [,] Sanctuary [,] 27 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	USA, TX, Cameron Co. [,] 7 mi. SW Port Isabel [,] on Highway 1792 [,] 28 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	USA, TX, Cameron Co. [,] 7 mi. SW Port Isabel [,] on Highway 1792 [,] 28 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, TX, Cameron Co. [,] 7 mi. SW Port Isabel [,] on Highway 1792 [,] 28 September 1996 [,] S. M. Clark ; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	USA, Texas, Travis Co. [,] Ceder Valley [,] 7 May 1998 [,] S.M.Clark & S.A.Wells ; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 14-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 6-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 6-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 6-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 7-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	M	COSTA RICA, Heredia, [,] Santo Domingo [,] 5-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 10-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	WVDA	F	COSTA RICA, Heredia, [,] Santo Domingo [,] 10-I-1995 [,] S. M. Clark et al.; <i>Teleonemia</i> [,] <i>scrupulosa</i> [,] Stål [,] Det. A.H.Knudson 2019
<i>Teleonemia scrupulosa</i> Stål	ZMHC	M	San José [,] de Costa Rica [,] H. Schmidt leg. [,] vend. 6.III. 1913.; C. J. Drake [,] detrm 1928

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia sidae</i> (Fabricius)	MEMC	M	BAHAMAS [,] S. Andros Island [,] Congo Town Airport [,] 26 May 1983 [,] W H Cross; beat from [,] Lantana sp.
<i>Teleonemia sidae</i> (Fabricius)	MEMC	F	BAHAMAS [,] S. Andros Island [,] Congo Town Airport [,] 26 May 1983 [,] W H Cross; beat from [,] Lantana sp.
<i>Teleonemia sidae</i> (Fabricius)	UGCA	F	GUADELOUPE: Basse [,] Terre, Pigeon [,] 11 Sept. 2010 [,] R. Turnbow; CF <i>Teleonemia</i> [,] <i>sidae</i> [,] (Fabricius) [,] Det. A. H. Knudson 2017
<i>Teleonemia sidae</i> (Fabricius)	UPRM	M	Insular Forest [,] Guanica, P. R. [,] 1Jan. 7- 1946. ; J. A. Ramos [,] Collector; <i>Teleonemia</i> [,] <i>sidae</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sidae</i> (Fabricius)	UPRM	M	Puerto Rico (USA) [,] Cabo Rojo, Sierra Bermeja [,] N 17°59'57" W 67°06'36" [,] 250m, leg. N. Franz & D. [,] Rodriguez, V-23-2007; <i>Teleonemia</i> [,] <i>sidae</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia sidae</i> (Fabricius)	UPRM	F	Puerto Rico (USA) [,] Bosque Estatal Susúa [,] N 18°04' 15", W 66°54' 23" [,] 150 m genral collecting [,] leg. N. Franz, IV-29-2006 ; <i>Teleonemia</i> [,] <i>sidae</i> [,] Fabricius [,] Det. A. H. Knudson 2021
<i>Teleonemia simulans</i> Drake	DARC	U	PARAG:PRES. HAYES [,] 42 km NW Benjamín [,] Aceval: II-6-83 [,] Coll. E. G. Riley
<i>Teleonemia simulans</i> Drake	DARC	U	PARAG:PRES. HAYES [,] 42 km NW Benjamín [,] Aceval: II-6-83 [,] Coll. E. G. Riley
<i>Teleonemia</i> sp.	AMNH	M	COSTA RICA [,] Guanacaste Prov. [,] 6 mi. S. 6 mi. W. Cañas, Taboga [,] 10° 19'N 85° 09'W ; 13-17-ii- 1967 [,] H. A. Hespenheide; DONATION FROM [,] J. A. SLATER [,] COLLECTION
<i>Teleonemia</i> sp.	BYUC	F	BOLIVIA, Dpto. La Paz, [,] Prov. Nor Yungas, [,] Río Coroico, Santa Fe, [,] 15.810°S, 67.621°W, 570 m, [,] 22-IV-2007, S. M. Clark
<i>Teleonemia</i> sp.	SMNS	F	PARAGUAY Dep. San Pedro [,] Umg. Vaca Ihu, Ruta 5 [,] 30. 9.- 9.10.1988 [,] leg. BRETZENDORFER
<i>Teleonemia</i> sp.	SMNS	F	PARAGUAY Dep. San Pedro [,] Umg. Vaca Ihu, Ruta 5 [,] 30. 9.- 9.10.1988 [,] leg. BRETZENDORFER
<i>Teleonemia</i> sp.	SMNS	F	PARAGUAY (s Pedro) [,] Rio Verde 30.9.1982 [,] K. F. Hohenstein leg.
<i>Teleonemia</i> sp.	SMNS	F	ECUADOR, Prov. Esmeraldas [,] San Lorenzo, 500 m [,] 19. 3. 1988 [,] leg. RIEDE et al.
<i>Teleonemia</i> sp.	TAMU	M	Cal: MendocinoCO. [,] 6mi N.Ft Bragg [,] I-18-1975 [,] Wharton, Coll.
<i>Teleonemia triangularis</i> (Blanchard)	CNC	F	XII.10 1955 [,] Brasilien [,] Nova Teutonia [,] 27°11' B -52°23' L [,] Fritz Plaumann [,] 300 - 500 m; CNC [,] 1188681
<i>Teleonemia triangularis</i> (Blanchard)	MNHN	F	BOLIVIA [,] (CHIKUITOS) [,] D' ORBIGNY 1834; 8739 [,] 34; MUSEUM PARIS; HOLOTYPE [,] Tingis [,] <i>triangularis</i> ; <i>Teleonemia</i> [,] <i>triangularis</i> [,] Type (Blanch.); Museum Paris [,] MNHN (EH) [,] 20532
<i>Teleonemia triangularis</i> (Blanchard)	MNHN	F	S. Antonio da Barra [,] Pr. De Bahia [,] Gounelle 11-12.88.; MUSEUM PARIS [,] COLL. E. GOUNELLE 1915; <i>Teleonemia</i> [,] <i>triangularis</i> [,] Det. Drake Blanch; Museum Paris [,] MNHN(EH) [,] 20533
<i>Teleonemia triangularis</i> (Blanchard)	MNHN	M	BRÉSIL [,] ÉT. DE SAO PAULO [,] VAL. DU RIO PARDO [,] E. GOUNELLE. 12-98; MUSEUM PARIS [,] COLL. E. GOUNELLE 1915; Museum Paris [,] MNHN(EH) [,] 20534
<i>Teleonemia triangularis</i> (Blanchard)	MNHN	F	Brésil [,] Caraça. [,] P. Germain [,] 2° Semestre 1884; MUSEUM PARIS; <i>Teleonemia</i> [,] <i>triangularis</i> [,] (Blanch)
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	M	Forested eastern [,] foothills of the [,] Andes, 2000ft; PERU: Tingo Maria [,] 1km.E.of town. [,] At edge [,] of woodland 5.viii.1971.; P.S.& H.L. [,] Broomfield [,] B.M.1971-486.
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	F	PERU: [,] Guyabamba [,] 2 Km.S from [,] Iquitos, Loreto [,] V-VI.1976; W. R. Kingston [,] B. M. 1976-408.
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	F	ECUADOR [,] Coca [,] Mayo 65; Brit. Mus. [,] 1972-164.
<i>Teleonemia tricolor</i> (Mayr)	BYUC	M	MEXICO, Veracruz [,] Rio Laguna Escondida [,] Los Tuxtlas Bio. St. [,] 17-XI-93 R. W. Baumann
<i>Teleonemia tricolor</i> (Mayr)	BYUC	M	BRASIL: R.J. [,] Cachoeiras de [,] Macacu-Centro [,] 10 aug. '98 Cavan
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	M	Goyas [,] Brazil; Distant Coll. [,] 1911-383
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	M	Goyas [,] Brazil; Distant Coll. [,] 1911-383
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	M	Panzos [,] 23.3 Guat. ; Barber& [,] SchwarzColl; Brit. Mus. [,] 1931-398.; <i>Teleonemia</i> [,] <i>albomarginata</i> [,] Champion [,] Det Drake

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	M	RioMagdalena [,] D'Otto Thieme [,] Août 1877; Distant Coll. [,] 1911-383; <i>Teleonemia</i> [,] albomarginata [,] Champion [,] Det Drake
<i>Teleonemia tricolor</i> (Mayr)	NHMUK	F	[illiegeable]
<i>Teleonemia tricolor</i> (Mayr)	CNC	M	Collected on [,] melon; Bahia, Brazil [,] July 18-1939 [,] P. Silva Col.; CNC [,] 1176682; <i>Teleonemia</i> [,] albomarginata [,] (Champion) [,] Det. O. Monte; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022
<i>Teleonemia tricolor</i> (Mayr)	CNC	F	Collected on [,] melon; Bahia, Brazil [,] July 18-1939 [,] P. Silva Col.; CNC [,] 1176683; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022
<i>Teleonemia tricolor</i> (Mayr)	CNC	F	Collected on [,] melon; Bahia, Brazil [,] July 18-1939 [,] P. Silva Col.; CNC [,] 1176684; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022
<i>Teleonemia tricolor</i> (Mayr)	CNC	F	Collected on [,] melon; Bahia, Brazil [,] July 18-1939 [,] P. Silva Col.; CNC [,] 1176685; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022
<i>Teleonemia tricolor</i> (Mayr)	CNC	F	ECUADOR Napo [,] 10 km. NE Tena 400m. [,] Feb. 19-20 1983 [,] L. Masner; CNC [,] 1188793; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022
<i>Teleonemia tricolor</i> (Mayr)	CUIC	F	S. Paulo [,] Cordeiro [,] 16-IV-1940 [,] O. Monte, col.; <i>Teleonemia</i> [,] tricolor [,] (Mayer) [,] Det. A. H. Knudson 2022; <i>Teleonemia</i> [,] det. albomarginata [,] Oscar Monte Champ.
<i>Teleonemia tricolor</i> (Mayr)	EMEC	F	5 km. NE, Villa-[.] hermosa, Tabasco [,] MEX. VIII-15-62; <i>Curcubita</i> [,] moschata; Ray F. Smith [,] collector; <i>Teleonemia</i> [,] tricolor [,] (Mayr) [,] Det. A. H. Knudson 2022; EMEC [,] 1252402
<i>Teleonemia tricolor</i> (Mayr)	INBio	U	COSTA RICA. Prov. Guanacaste, P.N. Palo Verde, Nicoya, Isla Saino, 0 - 10m, 16 - 20 NOV 2004, W. Porras, B. Gamboa, Y.Cárdenas, M. Moraga, Malaise, L_N_255907_388662 #78874; INB0004388879
<i>Teleonemia tricolor</i> (Mayr)	INBio	U	Manzanillo, 0-100 m, RNFS Gandoca y Manzanillo, Prov. Limon, COSTA RICA. 6 a 27 ene 1993, K. Taylor, L- S 398100_610600; INBIOCRI000998374
<i>Teleonemia tricolor</i> (Mayr)	INBio	U	R.B. Carara, Est. Quebrada Bonita, Prov. Punta, COSTA RICA. 50 m. Feb 1994, J. C. Saborio, L S 194500_469850 # 2641; INBIOCRI001916467
<i>Teleonemia tricolor</i> (Mayr)	LSAM	F	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann; LSAM [,] 0297702
<i>Teleonemia tricolor</i> (Mayr)	LSAM	M	New Teutonia [,] Brazil Jan. 1939 [,] Fritz Plaumann; LSAM [,] 0297703
<i>Teleonemia tricolor</i> (Mayr)	MEMC	M	BRAZIL, RO 160-350m [,] vic. CÁUCALANDIA [,] 10° 32'S 62° 48'W [,] 1 Nov 1991 [,] Leg. J. MacDonald
<i>Teleonemia tricolor</i> (Mayr)	MEMC	F	BRAZIL, RO 160-350m [,] vic. CÁUCALANDIA [,] 10° 32'S 62° 48'W [,] 1 Nov 1991 [,] Leg. J. MacDonald
<i>Teleonemia tricolor</i> (Mayr)	MNHN	F	MUSEUM PARIS [,] VENEZUELA [,] LLANOS [,] F. GEAY 33-96; <i>Teleonemia</i> [,] tricolor (Mayer) [,] Guilbert det; <i>Teleonemia</i> [,] albomarginata [,] Champion [,] Det Drake; Museum Paris [,] MNHN(EH) [,]20536
<i>Teleonemia tricolor</i> (Mayr)	MNHN	F	MUSEUM PARIS [,] VENEZUELA [,] LLANOS [,] F. GEAY 33-96; Museum Paris [,] MNHN(EH) [,]20537
<i>Teleonemia tricolor</i> (Mayr)	MNHN	F	MUSEUM PARIS [,] VENEZUELA [,] LLANOS [,] F. GEAY 33-96; Museum Paris [,] MNHN(EH) [,]20538
<i>Teleonemia tricolor</i> (Mayr)	MNHN	M	MUSEUM PARIS [,] VENEZUELA [,] LLANOS [,] F. GEAY 33-96; Museum Paris [,] MNHN(EH) [,]20539
<i>Teleonemia tricolor</i> (Mayr)	MNHN	M	MUSEUM PARIS [,] VENEZUELA [,] HAUT SARARE [,] F. GEAY 33-96; Museum Paris [,] MNHN(EH) [,]20541
<i>Teleonemia tricolor</i> (Mayr)	MNHN	M	MUSEUM PARIS [,] VENEZUELA [,] SARARE [,] F. GEAY 33-96; Museum Paris [,] MNHN(EH) [,]20540
<i>Teleonemia tricolor</i> (Mayr)	MNHN	F	MUSEUM PARIS [,] BUENOS AYRES [,] A CORRIENTES [,] D' ORBIGNY 1834; 8362; 127; Museum Paris [,] MNHN(EH) [,]20542
<i>Teleonemia tricolor</i> (Mayr)	MNHN	M	MUSUM PARIS [,] BRESIL [,] Minas-Geraes [,] R. OBERTHUR 1889; Minas Geraës [,] Brasil 1897 [,] excoll. Fmhstorfer; Museum Paris [,] MNHN(EH) [,]20543
<i>Teleonemia tricolor</i> (Mayr)	MNHN	F	Brésil - Amazonas [,] Rio Juruá [,] 01 Juin 1994 [,] G. Couturier Col.; Municip. Caruari [,] 4° 9' S 61° 8' O [,] Comm. Tabuleiro; Sur [,] Cucumis [,] sativus; <i>Teleonemia</i> [,] tricolor (Mayr) Guilbert det; Museum Paris [,] MNHN(EH) [,]20544

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia tricolor</i> (Mayr)	MZLU	F	S.Am. Colombia [,] Bolivar, Batatal [,] II-1939 [,] coll. M. Althén-Dahl; MZLU [,] 2019 [,] 107; <i>Teleonemia</i> [,] <i>tricolor</i> [,] (Mayr) [,] Det. A. H. Knudson 2022; <i>Teleonemia</i> [,] <i>daspera</i> [,] Drake [,] Det. J. Maldonado 1967
<i>Teleonemia tricolor</i> (Mayr)	MZLU	M	Ecuador: Napo, Sacha [,] 7.iii.1983 [,] leg. L. Huggert; MZLU [,] 2019 [,] 108
<i>Teleonemia tricolor</i> (Mayr)	SEMC	F	PERU: Tambopata Prov. [,] 15 km NE Pto. Maldonado [,] 9 July 1989, 200m [,] J. Ashe, R. Leschen #435 [,] ex:Sparassis
<i>Teleonemia tricolor</i> (Mayr)	SEMC	M	PERU: Loreto Prov. [,] Iquitos, 90 m, 7 May [,] 1992, J. Danoff-Berg [,] ex:general
<i>Teleonemia tricolor</i> (Mayr)	SEMC	M	COSTA RICA Punt. #11 [,] 9 1/2mi SE of Piedras [,] Blancas 6 Aug. 1966 [,] (J. B. Karren)
<i>Teleonemia tricolor</i> (Mayr)	UCMS	F	ECUADOR: Prov. Napo [,] Tena, 24 May 1987 [,] J. E. O'Donnell
<i>Teleonemia tricolor</i> (Mayr)	UCMS	F	ECUADOR: Prov. Napo [,] Tena, 24 May 1987 [,] J. E. O'Donnell
<i>Teleonemia tricolor</i> (Mayr)	UCMS	F	ECUADOR: Prov. Napo [,] 0°24'S, 76°36'W [,] Limoncocha 280 m [,] 5-VII-1973 [,] Lois Morales
<i>Teleonemia tricolor</i> (Mayr)	UDCC	M	PERU Madre de Dios [,] Tambopata Res. Zone [,] Tambopata Res. Cntr [,] on Rio Tambopata ; [,] S13°08.305 W69°36.502 [,] 633 ft; (3-7).X.2004. [,] CR Bartlett; Malaise Trap
<i>Teleonemia tricolor</i> (Mayr)	UDCC	M	PERU. Madre de Dios [,] Tambopata Res. Zone; [,] Tambopata Research Center [,] on Rio Tambopata. S13 [,] 08.305 W69 36.502. 622 ft. [,] Malaise Trap. 3 - 7 X 2004. [,] CR Bartlett
<i>Teleonemia tricolor</i> (Mayr)	UDCC	F	PERU. Madre de Dios [,] Tambopata Res. Zone; [,] Tambopata Research Center [,] on Rio Tambopata. S13 [,] 08.305 W69 36.502. 622 ft. [,] Malaise Trap. 3 - 7 X 2004. [,] CR Bartlett
<i>Teleonemia tricolor</i> (Mayr)	UGCA	F	HOND. Olancho [,] 5.5 km. SE Catacamas [,] 14 Oct. 1993 [,] R. Turnbow
<i>Teleonemia validicornis</i> Stål	AMNH	F	PANAMA: Panamá Prov [,] Cerro Campana [,] I-1-2002, 680-730 m [,] Weston Opitz coll.
<i>Teleonemia validicornis</i> Stål	AMNH	M	PANAMA: CZ. [,] Fort Kobbe [,] 9 Feb '85 [,] H. Stockwell
<i>Teleonemia validicornis</i> Stål	NHMUK	F	PANAMA Colón prov. [,] Parque Nacional Soberania [,] Canal Area: 3 km N o Gamboa [,] Pipeline rd. km 0, nav. Signs area [,] secondary forest margin beating [,] L. SEKERKA lgt. 19.x.2007; BMNH {E} [,] 2009-56 [,] L. Sekerka
<i>Teleonemia validicornis</i> Stål	NHMUK	F	PANAMA Colón prov. [,] Parque Nacional Soberania [,] Canal Area: Gamboa [,] Ridge and Marina [,] beating and sweeping [,] L. SEKERKA lgt. 5.ix.2007; BMNH {E} [,] 2009-56 [,] L. Sekerka
<i>Teleonemia validicornis</i> Stål	NHMUK	M	PANAMA Chirquí prov. [,] Remedios dump 23.ix.2007[,] 8°12'N, 81°50'W, 20m [,] vegetation along road [,] beating and sweeping [,] L. SEKERKA & D. WINDSOR lgt.
<i>Teleonemia validicornis</i> Stål	NHMUK	M	on Cassia [,] moschata H. B. K.; No [,] macro-epiphytes [,] on trunk, many [,] lianas on crown.; PANAMA CANAL ZONE: [,] Panama City [,] Monsoon forest. [,] Canopy fogging. [,] 15-30.vii.1979; E. Broadhead et al. [,] B.M. 1979-125
<i>Teleonemia validicornis</i> Stål	NHMUK	M	on Cassia [,] moschata H. B. K.; No [,] macro-epiphytes [,] on trunk, many [,] lianas on crown.; PANAMA CANAL ZONE: [,] Panama City [,] Monsoon forest. [,] Canopy fogging. [,] 15-30.vii.1979; E. Broadhead et al. [,] B.M. 1979-125
<i>Teleonemia validicornis</i> Stål	NHMUK	F	184 [,] TRINIDAD [,] St. Augustine [,] vi. 1962 [,] F. D. Bennett [,] on Lantana [,] Camera ; <i>Teleonemia</i> [,] sp. [,] M.S.K. Ghauri det 1962; <i>Teleonemia</i> [,] CF: <i>validicornis</i> [,] Stål [,] Det. A. H. Knudson 2022
<i>Teleonemia validicornis</i> Stål	BYUC	M	PANAMA, Canal Area, [,] Gamboa Road, [,] 2 km SW of Gamboa [,] 26 March 1995, D. J. Cavan; <i>Teleonemia</i> [,] <i>validicornis</i> [,] Stål [,] Det. A. H. Knudson 2019; <i>Teleonemia</i> sp. [,] det. L.T. Miller
<i>Teleonemia validicornis</i> Stål	BYUC	M	COSTA RICA, Heredia [,] Estación Biológica La Selva, [,] 15-IV-2003, S. M. Clark [,] and E. G. Riley
<i>Teleonemia validicornis</i> Stål	BYUC	M	COSTA RICA, Heredia [,] Estación Biológica La Selva, [,] 15-IV-2003, S. M. Clark [,] and E. G. Riley
<i>Teleonemia validicornis</i> Stål	CMNH	F	Suapure [,] El Caura [,] Venezuela [,] V 1900; <i>Teleonemia</i> [,] CF <i>validicornis</i> [,] Stål [,] Det. A. H. Knudson 2021
<i>Teleonemia validicornis</i> Stål	CMNH	F	Suapure [,] El Caura [,] Venezuela [,] 28-III-1899; <i>Teleonemia</i> [,] CF <i>validicornis</i> [,] Stål [,] Det. A. H. Knudson 2021
<i>Teleonemia validicornis</i> Stål	FSCA	M	COSTA RICA: Puntarenas [,] Prov. Golfito [,] 21-26-VII-1981 H. V. [,] Weems Jr., G. B. Edwards [,] Forest edge

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia validicornis</i> Stål	FSCA	M	COSTA RICA: Puntarenas [,] Prov. Golfito [,] 21-26-VII-1981 H. V. [,] Weems Jr., G. B. Edwards [,] Forest edge
<i>Teleonemia validicornis</i> Stål	FSCA	F	COSTA RICA: Puntarenas [,] Prov. Golfito [,] 21-26-VII-1981 H. V. [,] Weems Jr., G. B. Edwards [,] Forest edge
<i>Teleonemia validicornis</i> Stål	FSCA	F	COSTA RICA: Puntarenas [,] Prov. Golfito [,] 21-26-VII-1981 H. V. [,] Weems Jr., G. B. Edwards [,] Forest edge
<i>Teleonemia validicornis</i> Stål	INBio	U	COSTA RICA. Prov. Puntarenas. Garabito. Finca Queb. Bonita-Garabu. La Fila. 100-150m. 23-24 NOV 2008. Zumbado, Hernández, Azofeifa, Moraga. Amarilla. LS_391360_397860 #95320
<i>Teleonemia validicornis</i> Stål	INBio	U	Quepos, 80m, P. N. Manuel Antonio, Prov. Punt, COSTA RICA, R. Zuñiga, Abr 1991, L- S 370900_448800
<i>Teleonemia validicornis</i> Stål	INBio	U	Est. Queb. Bonita, 50m, Res. Biol. Carara, Prov. Puntarenas, Costa Rica, Tp Malaise, 1989 L-N 194500_469850
<i>Teleonemia validicornis</i> Stål	INBio	U	Est. Sta. Rosa, 300m, P. N. Sta. Rosa, Prov. Guanacaste, Costa Rica, M. A. Zumbado, Ene 1991, L-N 313000_359800
<i>Teleonemia validicornis</i> Stål	INBio	U	Rancho Quemado, 200m, Peninsula de Osa, Prov. Puntarenas, Costa Rica, Ago 1992, M. Segura, L S 292500_511000
<i>Teleonemia validicornis</i> Stål	INBio	U	P. N. Manuel Antonio, Quepos, Prov. Punta, COSTA RICA. 80m. Abr 1992. C. Cano, L S 370900_448800 # 1181
<i>Teleonemia validicornis</i> Stål	INBio	U	P. N. Manuel Antonio, Quepos, Prov. Punta, CCOSTA RICA. 80m. May 1991. R. Zuñiga, L S 370900_448800 # 1690
<i>Teleonemia validicornis</i> Stål	INBio	U	P. N. Manuel Antonio, Quepos, Prov. Punta, CCOSTA RICA. 80m. May 1991. R. Zuñiga, L S 370900_448800 # 1690
<i>Teleonemia validicornis</i> Stål	MNHN	F	Colonia Tovar [,] E. Simon 1.11.88
<i>Teleonemia validicornis</i> Stål	MNHN	F	Colonia Tovar [,] E. Simon 1.11.88
<i>Teleonemia validicornis</i> Stål	MNHN	F	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	F	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	F	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	M	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	M	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	M	Caracas
<i>Teleonemia validicornis</i> Stål	MNHN	M	S Antonio da Barra [,] Pr. de Bahia [,] Gounelle 11-12.88.; MUSEUM PARIS [,] COLL. E. GOUNELLE 1915; Teleonemia [,] validicornis [,] Stål. [,] Det. Drake ; Museum Paris [,] MNHN(EH) [,]20546
<i>Teleonemia validicornis</i> Stål	MNHN	M	PARA; MUSEUM PARIS [,] BRÉSIL [,] PARA [,] GOUNELLE [,] COLL. NOUALHIER 1898; Museum Paris [,] MNHN(EH) [,]20547
<i>Teleonemia validicornis</i> Stål	MNHN	F	PARA; MUSEUM PARIS [,] BRÉSIL [,] PARA [,] GOUNELLE [,] COLL. NOUALHIER 1898; Museum Paris [,] MNHN(EH) [,]20548
<i>Teleonemia validicornis</i> Stål	MNHN	F	Faro; MUSEUM PARIS [,] AMAZONE [,] COLL. NOUALHIER 1898; Museum Paris [,] MNHN(EH) [,]20549
<i>Teleonemia validicornis</i> Stål	MNHN	F	Guyane française [,] Station des [,] Nouragues [,] 1-XI-2009; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piège vitre.; Museum Paris [,] MNHN(EH) [,]20550
<i>Teleonemia validicornis</i> Stål	MNHN	M	Guyane française [,] Station des [,] Nouragues [,] 1-XI-2009; MUSEUM PARIS [,] J. M. Bérenger rec. [,] Piège vitre.; Museum Paris [,] MNHN(EH) [,]20551
<i>Teleonemia validicornis</i> Stål	TAMU	F	PANAMA: Panamá Prov. [,] 25 km.SE Canita, [,] on Corredor Sur [,] 9.15321°N, 78.69283°W [,] VIII-9-2011, E. G. Riley
<i>Teleonemia validicornis</i> Stål	TAMU	F	PANAMA: Panamá Prov. [,] 25 km.SE Canita, [,] on Corredor Sur [,] 9.15321°N, 78.69283°W [,] VIII-9-2011, E. G. Riley
<i>Teleonemia validicornis</i> Stål	TAMU	F	PANAMA: Panamá Prov. [,] 25 km.SE Canita, [,] on Corredor Sur [,] 9.15321°N, 78.69283°W [,] VIII-9-2011, E. G. Riley
<i>Teleonemia validicornis</i> Stål	TAMU	M	PANAMA: Panamá Prov. [,] 25 km.SE Canita, [,] on Corredor Sur [,] 9.15321°N, 78.69283°W [,] VIII-9-2011, E. G. Riley

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia validicornis</i> Stål	TAMU	M	PANAMA: Panamá Prov. [,] 25 km.SE Canita, [,] on Corredor Sur [,] 9.15321°N, 78.69283°W [,] VIII-9-2011, E. G. Riley
<i>Teleonemia validicornis</i> Stål	TAMU	M	VENEZUELA: Aragua [,] 5 km. northwest of [,] Colonia Tovar, 2200 m. [,] December 22, 1985 [,] P. Kovarik, R. Jones
<i>Teleonemia validicornis</i> Stål	TAMU	M	COSTA RICA: Heredia [,] Estación Biológica La Selva [,] 50-150 m, 10°26'N, 84°01'W [,] IV-4-6-2003, E. G. Riley; TAMU - ENTO [,] X0774911
<i>Teleonemia validicornis</i> Stål	TAMU	F	COSTA RICA: Heredia [,] Estación Biológica La Selva [,] 50-150 m, 10°26'N, 84°01'W [,] IV-4-6-2003, E. G. Riley; TAMU - ENTO [,] X0722300
<i>Teleonemia validicornis</i> Stål	UGCA	F	PANAMA: panama Prov. [,] Cerro Campana road [,] 1930', 19 May 1991 [,] R. Turnbow
<i>Teleonemia validicornis</i> Stål	USNM	M	Punta Vacamonte [,] 8°52'N, 79°40'W, Pan. [,] 13 May 73 [,] Col: D. Engleman
<i>Teleonemia validicornis</i> Stål	USNM	M	Chepo, R. de Pan. [,] 500 M [,] 4 Feb 73 [,] Col: D. Engleman
<i>Teleonemia validicornis</i> Stål	USNM	M	Panama-Canal Z. [,] Pipeline Rd. [,] Canopy Knockdown [,] Luhea seemanni [,] 24 Oct.1975
<i>Teleonemia variegata</i> Champion	CUIC	M	MEX: Oaxaca Hwy. 190 [,] 31.3 km SE Huajuapán [,] de Leon 11 Aug 1988 [,] el. 2000m beating ; J. K. Libherr & D. A. Yager Collectors
<i>Teleonemia variegata</i> Champion	CUIC	M	MEX: Oaxaca Hwy. 190 [,] 31.3 km SE Huajuapán [,] de Leon 11 Aug 1988 [,] el. 2000m beating ; J. K. Libherr & D. A. Yager Collectors
<i>Teleonemia variegata</i> Champion	MSUC	F	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MSUC	M	Palomares, [,] Oaxaco, Mex. [,] IX/5-21/61 [,] R&K Dreisbach.
<i>Teleonemia variegata</i> Champion	MZLU	0	
<i>Teleonemia variegata</i> Champion	TAMU	M	MEXICO: Puebla [,] 4 miles east of Azumbilla [,] July 22, 1984 [,] Carroll, Schaffner, [,] Friedlander
<i>Teleonemia variegata</i> Champion	TAMU	M	MEXICO: Puebla [,] 4 miles east of Azumbilla [,] July 22, 1984 [,] Carroll, Schaffner, [,] Friedlander
<i>Teleonemia variegata</i> Champion	TAMU	M	MEXICO: Puebla [,] 4 miles east of Azumbilla [,] July 22, 1984 [,] Carroll, Schaffner, [,] Friedlander
<i>Teleonemia variegata</i> Champion	UAIC	MF	St. Rita Mts [,] 7-5-33 Ar [,] E. D. Ball
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VIII-13-1984; Beating; Fraxinus; C. R. Ash [,] Collector; XXIII; <i>Teleonemia variegata</i> Champion [,] Det. V-29-1987 by Froeschner
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VIII-6-1985; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VIII-11-1984; Butte Creek; Alnus sp.; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VIII-11-1984; Butte Creek; Alnus sp.; C. R. Ash [,] Collector; XV
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VI-24-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VI-24-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VII-7-1987; Butte Creek; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector; 7/7/87-A
<i>Teleonemia variegata</i> Champion	UAIC	M	Prescott, AZ [,] VI-30-1986; Fraxinus [,] velutina; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VI-30-1986; Fraxinus [,] velutina; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	Prescott, AZ [,] VI-30-1986; Fraxinus [,] velutina; C. R. Ash [,] Collector; 6/30/86-B
<i>Teleonemia variegata</i> Champion	UAIC	M	Groom Cr. [,] VIII-27 1984; Fraxinus [,] velutina; Host Plant; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Fraxinus [,] velutina; 6/11/87-A; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Fraxinus [,] velutina; 6/11/87-A; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Fraxinus [,] velutina; 6/11/87-A; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Alnus ob- [,] longifolia; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Alnus ob- [,] longifolia; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Alnus ob- [,] longifolia; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	I	Wolf Cr., AZ [,] VI-11-1987; Yavapai Co.; Alnus ob- [,] longifolia; C. R. Ash [,] Collector
<i>Teleonemia variegata</i> Champion	UAIC	F	catnip; Patagonia [,] 9-20-30 [,] E. D. Ball, Ar
<i>Teleonemia variegata</i> Champion	NHMUK	M	M; SYN- [,] TYPE; Type; Capetillo, [,] Guatemala. [,] G. C. Champion; B. C. A. Rhyn. II [,] <i>Teleonemia</i> [,] <i>variegata</i> Ch.; ♂; NHMUK 011254000; LECTOTYPE (♂) [,] <i>Teleonemia</i> [,] <i>variegata</i> [,] Champion [,] Det. A. H. Knudson 20
<i>Teleonemia variegata</i> Champion	NHMUK	F	F; SYN- [,] TYPE; B. C. A. Rhyn. II [,] <i>Teleonemia</i> [,] <i>variegata</i> Ch.; Capetillo, [,] Guatemala. [,] G. C. Champion; [Drawing of Rostral channel]; ♀; NHMUK 011254001
<i>Teleonemia vidua</i> Van Duzee	UAIC	F	Pine Val'y [,] 7-7-31 Cal. [,] E. D. Ball
<i>Teleonemia vidua</i> Van Duzee	UAIC	F	Cal., Riverside Co. [,] Pine Cove [,] VI-2-1974 [,] M. HEITZ; <i>Teleonemia</i> [,] <i>vidua</i> [,] Van Duzee [,] Det. A. H. Knudson 2021; <i>Teleonemia</i> [,] <i>schwarzi</i> Drake [,] Det. CAO Olson 84
<i>Teleonemia vidua</i> Van Duzee	UAIC	F	Cal., Riverside Co. [,] Pine Cove [,] VI-2-1974 [,] M. HEITZ; <i>Teleonemia</i> [,] <i>vidua</i> [,] Van Duzee [,] Det. A. H. Knudson 2021
<i>Teleonemia vidua</i> Van Duzee	UAIC	M	Cajon Can., Calif. [,] San Bernardino co. [,] July 10 1955; 4.5 mi NW [,] Cajon Jet. Rt. 138 [,] Elv. 3900 ft.; <i>Trichostema</i> [,] LANatum; Chas. [,] Collector; A - 11; <i>Teleonemia huachucae</i> Drake [,] Det. V-29-1987 by FRoeschNeR
<i>Teleonemia vidua</i> Van Duzee	BPBM	M	Lake Co. [,] VIII-16 Cal. [,] W. M. Giffard [,] 2500 Ft.; Nr. Lakeport
<i>Teleonemia vidua</i> Van Duzee	BPBM	M	Lake Co. [,] VIII-16 Cal. [,] W. M. Giffard [,] 2500 Ft.; Nr. Lakeport
<i>Teleonemia vidua</i> Van Duzee	BPBM	M	Lake Co. [,] VIII-16 Cal. [,] W. M. Giffard [,] 2500 Ft.; Nr. Lakeport

Table A.1. Continued. Specimens examined for chapter two, Revision of the *Teleonemia* generic complex. Sex of each specimen is as follows; M: male, F: female, MF: male and female mounted on same pin, I: immature, U: not determined at time of examination, ?: sex characteristics missing. Label data was transcribed verbatim from specimen labels, individual lines are separated by [,] and individual labels are separated by semicolons “;”.

Species	Museum	Sex	Label Data
<i>Teleonemia vidua</i> Van Duzee	SEMC	F	Idyllwild Cal [,] 7-29-38 [,] R. I. Sailer
<i>Teleonemia vidua</i> Van Duzee	SEMC	F	Idyllwild Cal [,] 7-29-38 [,] R. I. Sailer
<i>Teleonemia vidua</i> Van Duzee	SEMC	F	Idyllwild Cal [,] 7-29-38 [,] R. I. Sailer
<i>Teleonemia vidua</i> Van Duzee	SEMC	M	Jacumba Cal. [,] 8-12-35 [,] R. H. Beamer
<i>Teleonemia vidua</i> Van Duzee	SEMC	M	Jacumba Cal. [,] 8-12-35 [,] R. H. Beamer
<i>Teleonemia vidua</i> Van Duzee	SEMC	F	Jacumba Cal. [,] 8-12-35 [,] R. H. Beamer
<i>Teleonemia vidua</i> Van Duzee	SEMC	F	Quatay, Calif. [,] VII-19-41 [,] R. H. Beamer
<i>Teleonemia vulgata</i> Drake & Hambleton	CUIC	M	Bello Horizonte [,] M. Geraes. BRAZIL [,] 1-6Nov. 19. Cornell [,] University Exped.; R. G. Harris [,] Collector; Teleonemia [,] vulgata [,] Drake & Hambleton [,] Det. A. H. Knudson 2022; Teleonemia [,] sacchari [,] Det. Oscar Monte [,] Fabr.
<i>Teleonemia vulgata</i> Drake & Hambleton	CUIC	M	Bello Horizonte [,] M. Geraes. BRAZIL [,] 1-6Nov. 19. Cornell [,] University Exped.; R. G. Harris [,] Collector; Teleonemia [,] vulgata [,] Drake & Hambleton [,] Det. A. H. Knudson 2022; Teleonemia [,] sacchari [,] CJD Fabr.; Cornell U. [,] Lot. 833 [,] Sub. 11
<i>Teleonemia vulgata</i> Drake & Hambleton	CUIC	F	Bello Horizonte [,] M. Geraes. BRAZIL [,] 1-6Nov. 19. Cornell [,] University Exped.; R. G. Harris [,] Collector; Teleonemia [,] vulgata [,] Drake & Hambleton [,] Det. A. H. Knudson 2022; Teleonemia [,] sacchari [,] Det. Oscar Monte [,] Fabr.