

The plans suggested for the control of tuberculosis in poultry and swine are essentially the same as would be suggested for the control of numerous other diseases. If these plans are followed there will be a noticeable decline in the frequency of occurrence of all diseases in these species.

HISTORY AND PROGRESS OF THE NDAC INSECT COLLECTION

By

Richard L. Post¹

History of the Insect Collection: When Professor C. B. Waldron came to North Dakota Agricultural College from Michigan in 1890, he brought his personal insect reference collection housed in a wooden cabinet containing 36 boxes. This was the foundation of the present insect collection. The majority of insects in the Waldron collection were labeled "Agricultural Coll. Mich." and were collected from 1887 to 1890. Of his collection, 2412 specimens remain and are still in good condition. In addition to being horticulturist, he served as entomologist for the North Dakota Agricultural College throughout the period 1890 to 1921 when the Department of Agricultural Entomology was established with Dr. R. L. Webster appointed as its first chairman or head. From 1921 to 1926 Dr. Webster added 2,800 specimens that bear his personal collector's label.

Dr. J. A. Munro succeeded Dr. Webster in 1926. Two thousand two hundred sixteen specimens have his name as collector and he has added several thousand additional specimens to the collection.

Professor O. A. Stevens, a member of the Botany Department with wide interests, has added 2,237 specimens to the insect collection. As a result of his donations, 359 specimens representing 139 species of Hymenoptera (bees, wasps and ants), this order of insects is one of the best represented in the collection.

In addition to the forementioned, the following collectors have many insects bearing their names: (The names in bold-face especially have contributed to the collection.)

Ainslie, C. N.	Challey, C. J.	Pearson, O.
Baker, Wm.	Evans, Nevada S.	Saugstad, S.
Brenckle, J. F.	Fattig, P. W.	Stangle, H. E.
Bruce, W. G.	Fox, Adrian	Telford, H. S.
Bruner, L.	Hallock, H. C.	Waldron, C. B.
Butcher, Fred	Harris, B. K.	Walster, H. L.
Butcher, F. Gray	Knapp, R. B.	Webster, F. M.
Campbell, J. R.	Munro, A. C.	Will, George W.
Carruth, L. A.	Oderkirk, Alvan	Will, O. H.

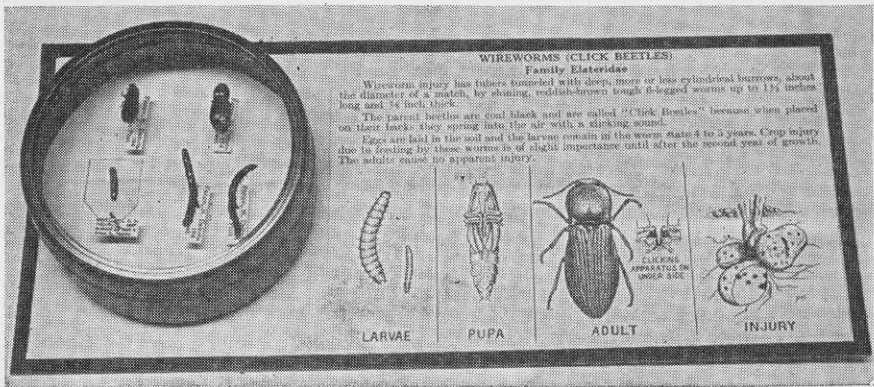
In 1947 Dr. Richard L. Post was appointed the first curator of the Insect Collection.

Progress of the NDAC Insect Collection During 1947: In addition to the 4941 specimens and collecting equipment recorded as donations by Post and Munro (1947) additional gifts have been received totaling 1113 specimens valued at \$224.95. The donors and their contributions are as follows:

From Dr. C. E. Abbott, Westminster College, Salt Lake City, Utah, formerly Zoology Department, NDAC. 46 Australian and 233 N. American bees and wasps.....	\$15.00
From Mr. Wm. G. Bradley, U. S. Corn Borer Laboratory, Toledo, Ohio. 12 corn borer adults and 6 injury.....	\$ 2.40

¹Associate Entomologist, NDAC Experiment Station and State Seed Department; Associate Professor of Entomology, School of Agriculture and Curator of Insect Collection.

Fig. 1. Typical display box in N.D.A.C. Insect Collection.



From Dr. Jan Bechyne, National Museum of Prague, Czechoslovakia. Two shipments totaling 218 European Coleoptera (beetles).....	\$43.60
From Mr. Ralph Johnson, Casselton, North Dakota. (Student NDAC). 24 specimens from Assam including a rare walking leaf.....	\$ 5.00
From Mrs. Nellie M. Post and Mr. A. W. Post, North Greece, New York. 24 insect boxes containing donations of insects (insects previously recorded).....	\$24.00
From Dr. Calvin L. Ritchie, Bureau of Entomology and Plant Quarantine, Honolulu, Hawaii. 71 pinned and determined insects from Hawaii.....	\$15.00
From Dr. E. S. Ross, California Academy of Natural Science, San Francisco, California. 6 Embiids (an order of insects).....	\$ 6.00
From Dr. John L. Sperry, 3260 Redwood Drive, Riverside, California. Three accessions totaling 491 carefully mounted and determined moths in excellent condition.....	\$107.95
From Lewis J. Stannard, Illinois Natural History Survey, Urbana, Illinois. 6 Protura (rare order of insects).....	\$ 6.00

During 1947 a total of 5297 specimens and microscope slides have been added to the insect collection.

With the aid of Bruce K. Harris, student assistant, 720 transparent-topped display boxes have been prepared for student reference. These mounts comprise six sets for Agricultural Entomology, each set containing 120 specimens. The students are furnished with a rexographed guide which assists in the identification of the numbered specimens. Species which are of economic importance in North Dakota are especially emphasized. Special display mounts, Figure 1, have been designed for exhibit purposes, Post (1947).

During 1947 one hundred twenty glass-topped Cornell-type cabinet drawers were constructed and unit pinning trays were purchased for them. Three glass-topped cabinets have been recently installed to hold the storage drawers.

Value of the Insect Collection: The total value of the insect collection is listed in Table 1.

Table 1. Value of Insects in Collection	Value of Storage System
32,875 in reference collection.....	\$4,468.66
2,035 microscope slides.....	1,017.50
219 Riker display mounts.....	328.50
720 Transparent-topped display mounts.....	360.00
	\$6,174.66
175 Cornell drawers.....	\$ 875.00
1588 Pinning trays for above.....	153.04
4 Cabinets for Cornell drawers	800.00
184 Insect storage boxes.....	184.00
	\$2012.04

References:

1947. Post, R. L.
 Demonstration of an Effective Method of Displaying Insects. Presented at Second Annual Meeting North Central States Branch of American Association Economic Entomologists. Des Moines, Iowa, March 27-28.

1947. Post, R. L. and Munro, J. A.
 The NDAC Insect Collection. N. Dak. Agr. Expt. Station Bimonthly Bulletin 9(3): 82-89.
 Ibid.
 Recent additions to the NDAC Insect Collection. N. Dak. Agr. Expt. Station, Bimonthly Bulletin 9(5): 130.