



January 1986 for 1985

Dear Former Agronomists at NDSU, and families,

While the logo above indicates that this is a Holiday letter and that is my intent, and while I am writing it today, January 9, you will not receive it for a couple of weeks or more. I receive some good natured joking especially at the Blizzard Party at the American Society of Agronomy on the date of the former "Christmas" letter but now consider it just an annual newsletter. I use the letter frequently as a reference and hope it is useful to you also. November and December are busy months here with many meetings including Crop Improvement Association meetings and American Society of Agronomy. Also, it is nice to hear from some of you, get new or correct addresses, etc. before we write and mail this letter. We have not heard from nearly all of you recently although we remember each of you and like to hear about you, your families, and your work. Some of you know our family quite well. Two of our sons were home for Christmas and our oldest son has just become father of a new daughter, December 21. We have only two grandchildren in the United States. Some of you know our daughter, Nancy, who is now in Belgrade, Yugoslavia, with her family and husband Eric in the State Department--stop to visit them at the U.S. Embassy if you travel to Yugoslavia.

Again in 1985 we have had some faculty and staff changes and recruiting to do. Dr. Greg Gillespie returned to work with his former company employer and has been replaced by Dr. William Ahrens, wife Peggy and young son. Dr. Ahrens is a second generation weed scientist (father Dr. Ahrens of Connecticut) who was on the faculty at University of Delaware for 3 years before coming to NDSU. Dr. Glen Weiser took a plant breeding job at Clemson University and has been replaced by Dr. Phillip McClean, wife Renae and young son. Dr. McClean has 3 years of postdoctoral experience in biotechnology after a doctorate in plant breeding from Colorado State University. Both Dr. Ahrens and Dr. McClean are teaching and conducting research. Dr. Frank Manthey completed a Ph.D. and continues as a Research Associate postdoctorate in weed science. Dr. Diane Manthey, Frank's wife, also works part time in weed science. Dr. Lucken has returned from sabbatical leave with Shell Chemical at Modesto, California, but continues consulting with Shell and serving as the public scientist, hybrid wheat expert in the U.S. Mingwen Shao of People's Republic of China, Laurent Batreau of France and Ed Szelezniak of Poland are here as guest scientists.

Carole Pederson has replaced Janet Matzek as Account Technician (bookkeeper)--Janet moved to Texas A and M. University in clerical position. Amy Rott, Deanna Palmer and Rena Peterson have replaced Sandy Post, Peggy Bausman and Betty Johnson, resp., on our clerical staff. Kristi Savage, Kris Prodoehl, Marilyn Schroeder and Garry Mowery have replaced technicians Joye Bond, Lisa Brown and Laurie Linz.

2000 MADE IN U.S.A.

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Agronomy graduated 11 M.S. and Ph.D. students and 37 B.S. students in 1985 commencement. Those receiving Ph.D.'s were Jesus Cedeno of Venezuela, Hailu Gebre of Ethiopia, Phil Goynes of Australia, and natives Phil Bruckner, Anna McClung and Adrian Moses, several of whom were present to receive their Ph.D. hood on stage from their advisor and graduate dean. Those receiving M.S. at commencement or nearly so were Zach Fore, Yousif Hormis (Iraq), Richard Mohan, Bruce Monson and Felipe Pulido (Venezuela). Predictions are that only about half enough agronomists will be trained in the next 2 to 5 years to fill positions available from retirements, etc., so we should help train some of those needed.

Agronomy had 76 graduate students in the Fall, 1985, and others have joined for the beginning of the Winter Quarter. One of these is a Graduate Teaching Assistant, Vicki Gustafson, replacing Mike Cagley from 1984--we did not get to fill the second GTA used in 1984 because of lack of funds. All GRA's are now filled except a couple in plant breeding and one in forage crops. We have many good prospects and should fill all GRA's in 1986 with good candidates. New students since last year are (U.S. citizens unless foreign country added):

Julio Castillo (Panama)	Mohammad Mostafavi (Iran)
Belgin Cukadar (Turkey)	Oscar Olmedo (Mexico)
John Erpelding	David Ouse
Robert Foley	Scott Pahl
Vicki Gustafson	Raul Rodriguez (Argentina)
Robert Houghton	David Romo
Mohammad Khan (Pakistan)	Bulent Samanci (Turkey)
Roger Lussenden	Wanda Schimming
Pat McMullan (Canada)	Thor Sveinsson (Iceland)
Rhonda Magsam	John Swenson
	Orval Swenson

We had many foreign and other visitors, and Trade Teams, come to the campus in 1985 from such countries as Portugal, Algeria, European Community, Japan, People's Republic of China, France, Australia, and Mexico--several each from some of these countries. The Northern Crops Institute is now involved in nearly full time programs--I talked at NCI 13 times in 1985 and several of our faculty also made talks there to wheat, barley, sunflower or dry bean commodity interests, Trade Teams, etc. In addition many visitors came to the sunflower project and other projects not recorded here.

The fourth Annual Blizzard Party was held December 3 at Chicago with at least 76 people registered and a few more who did not register. Several came from far away, e.g., Mexico, Thailand, etc., with 18 states represented. Dr. Carl Johnson and Dr. Jim Lofgren helped with party and provided smoked almonds and sunflower seeds as snacks. Dr. Brun acting head of Soil Science, and I gave a short program. Dr. Lofgren's company is part of a conglomerate now so he left for Paris, France, for "committee meeting" same day--long commute to a committee, eh?! Those attending were Ed Diebert, John Muir, Dr. and Mrs. Ed LeGrand, Jerry Francowiak, Rene Scoresby, Lynn Brun, Ian Edwards, Wayne Vian, James Helm, Phil Bruckner, Richard Horsley, Yousif Hormis, Roy Cantrell, Elias Elias, Fernando Gonzalez, Jorge Simental, Oscar Olmedo, Nick Haugerud, Leo Orth, Dr. and Mrs. Harold Cross, Al Schneider, Ken Potter, Steve Schroeder, Carl Johnson, Steve Hudson, Matt Sanderson, John Erickson, Lewis Edwards, John Foss, Charles Smith, Richard Engel, John Enz, Martha Smith, Tom Malturin, Al Frank, Mel Anderson, John Berdahl, Armand Bauer, Herman and Jeanette Gorz, Orvin and Delores Burnside, Ardell Halvorson, John Soper, Wayne Sabbe, Reed Barker, Gary Halverson, Dr. and Mrs. Bruce Worcester, Lloyd Nelson, Darrell Cox, Anna McClung, Earl Foster, James Arndt, Mark Eilers, Bill Laskar, Herb Schmidt, James Knutson, Norm and Elaine Williams, Bob and Mavis Busch, Jim Miller, Jerry and Sharon Miller, Mark and Lois Anfinrud, Lloyd Peterson, Perry Cregan, Jim Bauder, Ken and Maxine Lebsock, and Eva Villegas. The fifth Annual Blizzard Party will be in New Orleans in December 1986.

Our faculty and students continue to be productive and receive recognition. Dr. Nalewaja is past president of Weed Science Society of America. Dr. Messersmith is President of the North Central Weed Control Conference and was selected as the first Editor of a new journal on Weed Technology by the WSSA. Dr. Dexter is editor of the NCWCC Research Reports and representative to WSSA. Dr. Nalewaja is the new NCWCC rep. to the Council for Agricultural Science and Technology; CAST. Our undergraduate Weed Science Team was first in the 1985 North

Central Contest overall and third in Sprayer Calibration. Nat Page won second place in Unknown Herbicides and third place in Individual Competition. Scott Broelsma won second place in Weed Identification. Probably two hard red spring and one or two hard red winter wheat varieties will be released in early 1986. Dr. Foster wrote a chapter in the soon to be published ASA monograph "Nutritional Quality of Cereal Grains: Genetic and Agronomic Improvement," and has completed a chapter of a new textbook on plant breeding dealing with "Methods of Barley Breeding." Dr. Meyer and Dr. Schneider are Associate Editors of Crop Science and Agronomy Journal, resp., and Dr. Meyer is chairman-elect of Division C-3 of Crop Science Society of America.

Donna Nalewaja and Bob Nowatzki continue as elected Representatives to the State Legislature from Fargo and Langdon areas, resp. They represent different political parties but we would expect good support from them for both agriculture and NDSU.

NDSU has had record enrollments of about 9400 students in both Fall and Winter Quarters--seems too as if there are more students on the campus at class change time than ever before. Our graduate enrollment is similar to last year at 76 with several foreign students more or less enroute for the Spring Quarter, and several students have graduated since Fall. Drs. Messersmith and Meyer have about 34 students each in undergraduate seminar so we have a large undergraduate enrollment. As yet, practically all graduates are getting jobs ok and demand should be good in spring if economic upturn continues and available crop acres are seeded. North Dakota had a 2nd record crop in 1985 although the season was cooler than normal. Our new winter wheat and barley nursery at Weslaco, Texas appears ok in January. We are growing it there to replace the Obregon, Mexico, nursery, temporarily quarantined because Karnal bunt was found in the hard red spring wheat produced on the Obregon Station in spring 1983. Maybe we can return to Obregon with winter nurseries some day as it is an ideal location, free of frost hazard, and a crossroads for plant breeders from much of the world.

The BISON football team was a very interesting one again in 1985, winning the North Central Conference and national champions in Division II. Other Bison teams both men and women have done well too but I do not follow them as closely. Phase I of greenhouses west of the "Agronomy" range of greenhouses are all in use, and new double glass is on two of the old Agronomy glasshouses and on one Waldron glasshouse. Two hundred and forty acres of new research land have been purchased near Prosper, about 17 miles from campus, and were used first in 1984 with excellent results. Soil at the Prosper site is lighter than at Fargo and should be a very good research site but involving some travel time to reach. The new Northern Crops Institute building is finished and in use as mentioned earlier. A new "USDA building" to house USDA scientists and 6 NDSU faculty will start construction in 1986.

Our annual fall picnic was September 5 with 100 or more attending plus some members of Consultation Board, and the Christmas Party was December 13 at the Knights of Columbus Hall. The latter was a Social-dance with "the secretaries" and others providing a slide and "awards" program.

As the time passes rapidly, the research production and teaching results of our fine, mostly young, staff and their students increase in quantity and quality, earning the recognition of other agronomists and weed scientists here and around the world. I sincerely believe we have made a very good impression on all our native and foreign visitors in the past year, especially those coming to NDSU for the first time. The reception and reaction to scientific papers from our staff and students at the ASA meetings in Chicago and recent North Central Weed Control Conference, St. Louis, were outstanding as usual. Probably the real test of our progress is the apparent and stated approval and respectful recognition of our agronomic colleagues here and worldwide as we publish, speak at national crop and weed conferences everywhere, accept and give courteous attention to visitors, or are tested by critics here at home. Maybe we have ARRIVED! At ASA Placement Service at Chicago, several students remarked that their undergraduate advisors had recommended that they consider Iowa State or North Dakota State as among the best institutions for graduate study in plant breeding and genetics, or NDSU and Illinois in weed science. That is nice to hear, but we know we still need to "try harder" to be better. We are pleased this year to have some very good candidates for both plant breeding and weed science GRA's, again maybe a good indication that we have earned a good reputation for research and graduate study in these areas, especially, but GRA candidates appear scarce in plant breeding but abundance of good ones in weed science and we will have competition for those available. Again I invite and urge you to prepare thesis results for publication, if you have not, to bring

recognition to yourself and Agronomy, NDSU. Please encourage your good students to apply for graduate study at NDSU.

We hope that you had a Merry Christmas or other holiday season, and will have a happy, healthful and successful 1986. Let us hear from you and of your achievements, changed addresses, recent photos, etc. Many of you sent cards recently, some with photos; please keep the photos coming! We would much appreciate photos of you and your family. And, please stop to visit us as you pass nearby or come to ASA, New Orleans and fifth NDSU Blizzard Party, or WSSA, Houston in 1986. If we do not have your current, correct address, please supply to us and of address changes as occur. We will try to get this letter to each of you.

J. F. Carter

AGRONOMY FACULTY

J. F. Carter, Professor and Chairman
 W. H. Ahrens, Ass't. Professor, Weed Science
 W. S. Ball, Professor, Extension, Crops
 R. E. Barker, Adjunct Professor, Forage Crop Genetics (USDA, Mandan)
 L. G. Campbell, Adjunct Professor, Research Geneticist, sugarbeet (USDA)
 R. G. Cantrell, Ass't. Professor, Durum Wheat Breeding
 D. F. Cole, Adjunct Professor, Sugarbeet Physiologist (USDA)
 D. J. Cox, Ass't. Professor, HRW Wheat Breeding
 H. Z. Cross, Professor, Corn Breeding
 E. L. Deckard, Professor, Crop Physiology
 A. G. Dexter, Professor, Extension, Weed Science, Sugarbeets
 W. W. Donald, Adjunct Professor, Research Agronomist, weed science, (USDA)
 D. L. Doney, Adjunct Professor, Research Geneticist, Sugarbeets (USDA)
 D. C. Ebeltoft, Professor Emeritus, Retired
 A. E. Foster, Professor, Barley Breeding
 J. D. Frankowiak, Professor, Barley Breeding
 R. C. Frohberg, Professor, Wheat Breeding
 K. F. Grafton, Ass't. Professor, Dry Bean Breeding
 J. J. Hammond, Professor, Flax Breeding
 J. L. Helm, Assoc. Prof., Extension, Row Crops
 C. C. Jan, Adjunct Professor, Sunflower Cytogenetics (USDA)
 L. R. Joppa, Adjunct Professor, Res. Geneticist, Durum Genetics (USDA)
 K. D. Kofoid, Assoc. Professor, Wheat Genetics
 K. A. Lucken, Professor, Hybrid Wheat
 H. R. Lund, Professor, Director, Experiment Station
 R. G. Lym, Ass't. Professor, Weed Science
 S. S. Maan, Professor, Wheat Cytogenetics
 P. L. McClean, Ass't. Professor, Dry Bean Breeding
 M. S. McMullen, Assoc. Professor, Oat Breeding
 C. G. Messersmith, Professor, Weed Science
 D. W. Meyer, Professor, Forage Crops
 J. F. Miller, Adjunct Professor, Research Geneticist, Flax and Sunflower Breeding (USDA)
 J. D. Nalewaja, Professor, Weed Science
 _____, Barley Cytogenetics
 A. A. Schneider, Professor, Specialty Crops
 R. H. Shimabukuro, Adjunct Professor, Plant Physiologist (USDA)
 G. S. Smith, Professor Emeritus, Retired
 L. A. Spilde, Assoc. Professor, Seedstocks
 D. L. Van Der Puy, Ass't. Professor, Extension, Weed Science
 D. A. Whited, Professor, Soybean Breeding
 N. D. Williams, Adjunct Professor, Research Geneticist (USDA)

RESEARCH ASSOCIATES

James Hanzel, Sunflower Breeding
Frank Manthey, Weed Science

GRADUATE RESEARCH FELLOWS

Kirk Johnson, Hybrid Wheat
Dallas Peterson, Weed Control
John Soper, Durum Wheat Breeding

VISITING FOREIGN SCIENTISTS

Laurent Batreau
Edward Szelezniak
Xingwen Shao

SECRETARIES, 1985

Aileen Buringrud, Admin, Ass't. I
Carole Pederson, Account Technician I
Elaine Dobrinz, Admin. Sec. II
Victoria Chesney, Inf. Proc. Oper. I
Amy Rott, Word Proc. Oper. I
Heanna Palmer, Admin, Sec. I
Lena Peterson, Admin, Sec. I

TECHNICIANS AND OTHER CLASSIFIED, 1985

Ray Albrecht, sunflower-flax breeding, USDA
Robert Baumann, HRS wheat genetics
David Birdsall, durum wheat genetics, USDA
Jarvis Brosz, durum wheat breeding
Ray Carlson, wheat cytogenetics
Katheryn Christianson, perennial weeds
Steven Ellefson, barley breeding
James Faller, HRS wheat breeding
Hal Fisher, oat breeding
Roger Genoch, barley breeding
Joan Gordon, wheat cytogenetics
Burton Johnson, crop production
Serald Johnson, HRW wheat breeding
Daryl Klindworth, wheat genetics, USDA
Margaret Klindworth, durum genetics
James Liedahl, hybrid wheat breeding
Lyle Lindberg, flax-soybean breeding
Luke Longlet, weed control
John Luecke, sugarbeet weed control
Carl Madsen, HRS wheat breeding
Marvin Mayer, Motor Vehicle Mechanic I
Garry Mowery, sunflower breeding, birds
Wayne Norby, forage crop production
Kris Prodoehl, sugarbeet breeding, USDA
Dale Rehder, sunflower breeding, USDA
Ronald Roach, weed control
Kristi Savage, sugarbeet physiology, USDA
Marilyn Schroeder, crop physiology
Jody VanderWal, dry bean breeding
Duane Wanner, corn breeding

RETIRED

D. C. Ebeltoft
L. A. Jensen
A. B. Schooler
G. S. Smith

AGRONOMY GRADUATE MAJORS, FALL QUARTER, 1985

Albrecht, Ray, P	Self	
Arneson, Jerry, P	Self	
Badaruddin, Md. #	CIMMYT	Bangladesh
Birdsall, David, P	Self	
Brieland, Kristi Biewer	GRA	
CAGLEY, MICHAEL, P		
Carlson, Steve #	GRA	
Castillo, Julio	LASPAU	Panama
Centieros, Fernando Gonzalez	GRA	Mexico
Christianson Katheryn, P	Self	
Cukadar, Belgin	Gov't	Turkey
DOMINGUEZ, JUAN # P		
Dossekou, Messan	AFGRAD	Spain
Du, Hanlin #	Gov't.	Togo
Elias, Elias #	- GRA	PRC
Eriksmoen, Eric	Self	
Erpelding, John	GRA	
Fanning, Mark	Self	
Faue, Allen	GRA	
Fisher, Hal, P	Self	
Foley, Robert	GRA	
Gustafson, Vicki	GTA	
Hickman, Michael #	GRA	
Hormis, Yousif #	Gov't	Iraq
Horsley, Richard #	GRA	
Houghton, Robert	GRA	
Howey, Steve	Self	
Jenny, Richard	GRA	
Johnson, Burton # P	Self	
Johnson, Kirk # P	GRF	
Kabir, Murtaza #	USAID/Cornell	Bangladesh
Kari, Andreas	FAO	Cyprus
Khan, Mohammad #	FAO	Pakistan
Klindworth, Daryl P	Self	
Klindworth, Margaret P #	Self	
Larson, Warren #	Self	
Lussenden, Roger	Self	
LASKAR, WILLIAM # P	Self	
McMullan, Patrick #	GRA	Canada
Majid, Hashim #	Gov't	Iraq
Magsam, Rhonda	GRA	
Manthey, Frank #	GRA	
Masud, Amir	Self	Pakistan
Meyer, Ron, P	Self	
Mitchell-Fetch, Jennifer #	GRA	Canada
Mostafavi, Mohammad	Gov't	Iran
Moxness, Kevin	Self	
NESS, KEITH, P	Self	
Nevado, Marco #	World Bank/CIMMYT	Peru
Nord, Doug	GRA	
Nsarellah, Nasserlehaq #	Maroc/MIAC	Morocco
Nyegard, Curtis	Self	
Olmedo, Oscar	GRA	Mexico
Ouse, David	GRA	
Pahl, Scott	GRA	
Pazdernik, Ken, P	Self	
Peterson, Dallas # P	GRF	
REYNOLDS, DEAN # P		
Rivadeneira, Miguel	AID	Ecuador
Rodriguez, Raul	OICD/USDA	Argentina
Rono, Wilson	FAO	Kenya
Samad, Abdus	CIDA/CIMMYT	Bangladesh
Samanci, Bulent	Gov't	Turkey
Schatz, Blaine, P	Self	
Schimming, Wanda	GRA	
Simonson, Randall #	Self	
Soper, John # P	GRF	
Sundos, Munzer #	Self	Syria
Sveinsson, Thoroddur	Self	Iceland
Swenson, John	Self	
Swenson, Orval	GRA	
Thorsness, Kevin	GTA	
Vallega, Victor	IIE/Fulbright	Italy
WEED, DONALD # P	Self	
Wolf, Stan P	Self	
Zaffaroni, Eduardo #	CAPEX	Brazil