

January 1987 for 1986



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 20, 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. This year in December we also had to write a 5-year Program Evaluation for the department and each faculty prepared a 5 year vitae. 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. We did have 94 registered people at the 1986 Blizzard Party at ASA in New Orleans. 56 of those were former students or faculty in Agronomy or Soils, the rest current students or faculty. Some of you know our family quite well. Three of our sons were home for Christmas and our oldest son is father of two daughters, both born 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. Bill Ball, extension agronomist, retired in December, 1986, and has moved temporarily to southern Texas where his wife teaches elementary school. Dr. Ken Kofoid moved to the Hays, Kansas, Experiment Station as sorghum breeder. Dr. Ted Helms joined our faculty as full time soybean breeder. Dr. Whited has become an 80% appointed full time teacher. We regret to report that Dr. Schooler, retired professor and cytogeneticist, died suddenly in early November, 1986. Dr. Pat Fuerst who had M.S. at NDSU returned as spouse of his wife, who is an Assistant Professor in Pharmacy, has conducted some research and written some grant proposals, and probably will be postdoc beginning February 1, 1987. 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., and Mingwen Shao of People's Republic of China, Laurent Batreau of France and Ed Szelezniak of Poland are here as guest scientists.

Among the clerical group, Peggy Johnson replaced Rena Peterson as Extension Secretary, Amy Jo Johnson replaced Vicki Chesney and Mardell Krebsbach replaced Deanna Palmer. Hal Fisher left to join the Farm Trust Management Department of First Bank and Bob Baumann transferred to replace Hal in the oat breeding project. Luke Longlet transferred from Extension technician to Seedstocks, and Cathy Medich was transferred from Botany to Dr. McClean as a Technician in molecular genetics.

Agronomy graduated 7 M.S. and 4 Ph.D. students and 36 B.S. students in 1986 commencement. Those receiving Ph.D.'s were Beverly Durgan, Les Grafstrom, Hashim Majid of Iraq, and Frank Manthey, several of whom were present to receive their Ph.D. hood on stage from their advisor and graduate dean. Those receiving M.S. degrees were Messan Dossekou of Togo, Steve Howey, Richard Horsley, Ron Meyer, Kevin Moxness, Miguel Rivadeneira of Ecuador and Wilson Rono of Kenya. (I take these names from Commencement program and sometimes the students don't quite make Commencement even though listed on program.) 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 79 graduate students in the Fall, 1986, and others have joined for the beginning of the Winter Quarter. All GRA's are now filled except one in physiology and a couple in plant breeding and weed science to be filled later. We have many good prospects and should fill all GRA's in 1986-87 with good candidates. New students since last year are (U.S. citizens unless foreign country added):

Tom Peters, Graduate Research Fellow with Dr. Dexter
Madduma Dhanapala (Sri Lanka)
David Feist
Carlos Feoli (Argentina)
Jeff Flake
Terry Friend
Kim Hagemann
Christy Hartman
Aslam Khan (Pakistan)
Jeff Posch
Hector Roman (Chile)
Darwin Heley and Sarah Allmaras as Special Students

We had many foreign and other visitors, and Trade Teams, come to the campus in 1986. I spoke to at least 12 Trade Teams from Bulgaria, East Germany, Morocco, Arabian countries, European Community, Japan, France, Venezuela, Nigeria, and Norway. The Northern Crops Institute is now involved in nearly full time programs--I talked at NCI at least 13 times in 1986 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, wheat, dry bean, barley, corn, miscellaneous crops, and weed science projects and other projects not recorded here.

The fifth Annual Blizzard Party was held December 2 at New Orleans with at least 94 (a new record) people registered and a few more who did not register. Several came from far away, e.g., Mexico, etc., with 15 states represented. Dr. Carl Johnson and Dr. Jim Lofgren helped with party and provided smoked almonds and sunflower seeds as snacks. Dr. Brun, Chairman of Soil Science, and I gave a short program, including a slide show from NDSU Alumni Foundation which was well received. Those attending were LeRoy Spilde, Glen Weiser, John Soper, Bill Wells, W.W. Roath, Will Harada, Bertel Schou, Harold Cross, Mr. and Mrs. Burton Johnson, Ken Grafton, M. Badaruddin, Kazi Kabir, M.A. Samad, O.A. Porter, Bulent Samanci, Jim Hanzel, Elias Elias, Phil McClean, M.S. Khan, Jorge Simental, Richard Horsley, Dr. and Mrs. Len Nelson, Dr. and Mrs. Len Hofmann, Dr. and Mrs. Lynn Brun, Munzer Sundos, Sam Alessi, John Enz, Allen Faue, Fernando Gonzalez, Matt Sanderson, Mr. and Mrs. Hossein Rubani, Diana Roberts, James Melzer, Dr. and Mrs. Leonard Joppa, Jerry Bergman, Soon Jai Park, Klok Park, Roy Cantrell, Kirk and Karen Johnson, Dr. and Mrs. Armand Bauer, Lewis Edwards, Dr. and Mrs. Ken Lebsock, Dr. and Mrs. Orvin Burnside, Terry Bolger, Dr. and Mrs. Norm Williams, Roger Ward, Dr. and Mrs. Jim Quick, Rollie Sears, Ray Knighton, Jim Richardson, Ian Edwards, Dr. and Mrs. Phil Bruckner, Mark Anfinrud, Roger Lussenden, Ken Wilhelmi, Al Schneider, Mel Anderson, Carl Johnson, John Gardner, Dr. and Mrs. Bob Busch, Dr. and Mrs. Herman Gorz, Mark Elless, Jim Wolf, Mike Lipson, Dr. and Mrs. John Foss, Lee Briggie, Richard Evans, Lloyd Nelson, Dr. and Mrs. Charles Smith, Wayne Vian, Dr. and Mrs. Jerry Miller, Dr. and Mrs. Jim Hammond. The sixth Annual Blizzard Party will be in Atlanta, Georgia in December 1987.

Our faculty and students continue to be productive and receive recognition. Dr. Lucken is 1986 Fargo Chamber of Commerce Distinguished Professor. Dr. Nalewaja becomes a Fellow of Weed Science Society of America in February. Dr. Messersmith is Past-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 NCWCC rep. to the Council for Agricultural Science and Technology, CAST. Our graduate Weed Science Team was second in the 1986 North Central Weeds Contest. Wanda Schimming was first place in Individual Competition, and second and third in Weed Identification and Sprayer Calibration, resp. Scott Pahl was third place Individual and third in Weed



Identification. Dr. Froberg released two hard red spring wheats, Butte 86 and Cutless, and several corn and sunflower inbreds were released. Dr. Meyer and Dr. Schneider are Associate Editors of Crop Science and Agronomy Journal, resp., and Dr. Meyer is chairman of Division C-3 of Crop Science Society of America. Dr. Hammond is Consulting Editor for Statistics for Crop Science.

Donna Nalewaja and Bob Nowatzki continue as elected Senator and Representative 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 near record enrollments of about 9292 and 9125 students, resp. 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 79 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 23 and 28 students each in junior and senior seminar so we have a fairly good undergraduate enrollment, but down from previous 2 years. 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 1986 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, quarantined because Karnal bunt was found in the hard red spring wheat produced on the Obregon Station in spring 1983, and continues a problem in 1985-86. 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 1986, winning the North Central Conference and national champions in Division II, 13-0. Other Bison teams both men and women (second in Div. II basketball) 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 both Waldron glasshouses. Two hundred and forty acres of new research land have been purchased near Prosper, about 17 miles from campus, and have been used in 1984-86 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 5 NDSU faculty is partly constructed now in 1987.

Our annual fall picnic was September 4 with 100 or more attending plus some members of Consultation Board, and the Christmas Party was December 12 at the Knights of Columbus Hall. The latter was a Social-dance with "graduate students" and others providing a slide and "awards" program.

As the time passes rapidly, the research production and teaching results of our fine, mostly veteran, 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 New Orleans and recent North Central Weed Control Conference, Milwaukee, 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 New Orleans, 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 1987. 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, Atlanta and sixth NDSU Blizzard Party, or WSSA, St. Louis, in 1987. 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.

Most or all of you may know already that I have announced a plan to retire June 30, 1987, if a replacement is found. I'd like to retain association with Agronomy as an Emeritus Professor, bring the history up to date, maybe consult if any demand for my skills, teach Grain Grading for a while, and maintain contact with the department, NDSU, and all friends in ND. Also, I plan to proceed more leisurely, do more fishing and hunting, garden and grow apples, etc. I'll also hope to maintain interest in and contact with former students, staff, faculty, etc. that we have enjoyed so much over many years. We will continue to enjoy and appreciate hearing from all of you at ASA, as you visit Fargo, or otherwise. !Hasta luego!

J. F. Carter

AGRONOMY FACULTY

J. F. Carter, Professor and Chairman
W. H. Ahrens, Ass't. Professor, Weed Science
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. 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. Franckowiak, Professor, Barley Breeding
R. C. Froberg, Professor, Wheat Breeding
K. F. Grafton, Ass't. Professor, Dry Bean Breeding
J. J. Hammond, Professor, Flax Breeding
J. J. Hanzel, Adjunct Professor, Sunflower Breeding
J. L. Helm, Assoc. Prof., Extension, Row Crops
T. C. Helms, Ass't. Professor, Soybean Breeding
C. C. Jan, Adjunct Professor, Sunflower Cytogenetics (USDA)
L. R. Joppa, Adjunct Professor, Res. Geneticist, Durum Genetics (USDA)
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, Molecular Genetics
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
A. A. Schneider, Professor, Specialty Crops
R. H. Shimabukuro, Adjunct Professor, Plant Physiologist (USDA)
S. Smith, Professor Emeritus, Retired
A. Spilde, Assoc. Professor, Seedstocks

AGRONOMY FACULTY (cont.)

D. L. Van Der Puy, Ass't. Professor, Extension, Weed Science
 D. A. Whited, Professor, Genetics Teaching
 N. D. Williams, Adjunct Professor, Research Geneticist (USDA)
 , Professor, Extension, Crops (Dr. Ball just retired)
 , Adjunct Professor, Sugarbeet Physiologist (USDA)
 , Assoc. Professor, Wheat Genetics
 , Barley Cytogenetics

RESEARCH ASSOCIATES

Frank Manthey, Weed Science

RETIRED

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

GRADUATE RESEARCH FELLOWS

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

VISITING FOREIGN SCIENTISTS

Laurent Batreau
 Edward Szelezniak
 Mingwen Shao

SECRETARIES, 1986

Eileen Buringrud, Admin. Ass't. I
 Carole Pederson, Account Technician I
 Elaine Dobrinz, Admin. Sec. II
 Amy Rott, Inf. Proc. Oper. I
 Amy Jo Johnson, Word Proc. Oper. I
 Mardell Krebsbach, Admin. Sec. I
 Peggy Johnson, Admin. Sec. I

TECHNICIANS AND OTHER CLASSIFIED, 1986

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

AGRONOMY GRADUATE MAJORS, FALL QUARTER, 1986

Albrecht, Ray P	Self	
Allmaras, Sarah SP	Self	
Arneson, Jerry P	Self	
Badaruddin, Md. #	CIMMYT	Bangladesh
Birdsall, David P	Self	
Brieland, Kristi Blewer	GRA	
CAGLEY, MICHAEL P		
Carlson, Steve #	GRA	
Castillo, Julio	LASPAU	Panama
Caniceros, Fernando Gonzalez	GRA	Mexico
Christianson Kathryn P	Self	
Cukadar, Belgin	Gov't	Turkey
Dhanapala, Madduma #	FAD	Sri Lanka
DOMINGUEZ, JUAN # P		Spain
Du, Hanlin #	Gov't.	PRC
Elias, Elias #	GRA	
Eriksmoen, Eric	Self	
Erpelting, John	GRA	
Fanning, Mark	Self	
Faue, Allen	GRA	
Feist, David	GRA	
Feoli, Carlos	Gov't.	Argentina
Fisher, Hal P	Self	
Foley, Robert	GRA	
Friend, Terry	GRA	
Gustafson, Vicki	GTA	
Hagemann, Kin	GRA	
Hartman, Christina # P	Self	
Heley, Darwin SP	Self	
Hickman, Michael #	GRA	
Hornis, Yousif #	Gov't	Iraq
Horsley, Richard #	GRA	
Houghton, Robert	GRA	
Jenny, Richard	GRA	
Johnson, Burton # P	Self	
Johnson, Kirk # P	GRF	
Kabir, Murtaza #	USAID/Cornell	Bangladesh
Khan, Aslam	TIPAN	Pakistan
Khan, Mohammad #	FAO	Pakistan
Klath, Curtis SP	Self	
Klindworth, Daryl P	Self	
Klindworth, Margaret # P	Self	
LARSON, WARREN #	Self	
Lussenden, Roger	Self	
LASKAR, WILLIAM # P	Self	
McMullan, Patrick #	GRA	Canada
Magsan, Rhonda	GRA	
Masud, Amir	Self	Pakistan
Mitchell-Fetch, Jennifer #	GRA	Canada
Mostafavi, Mohammad	Gov't	Iran
Navado, Marco #	World Bank/CIMMYT	Peru
Nord, Doug	GRA	
Nsarellah, Nasserlehaq #	Maroc/MIAC	Norocco
Olmedo, Oscar	GRA	Mexico
Ouse, David	GRA	
Pahl, Scott	GRA	
Pazdernik, Ken P	Self	
Peters, Tom # P	GRF	
Peterson, Dallas # P	GRF	
Posch, Jeffrey	GRA	
Prodoehl, Kristine P	Self	
REYNOLDS, DEAN # P		
Rodriguez, Raul	OICD/USDA	Argentina
Roman, Hector	GRA	Chile
Samad, Abdus	CIDA/CIMMYT	Bangladesh
Samanci, Bulent	Gov't	Turkey
SCHATZ, BLAINE P	Self	
Schimling, Wanda	GTF	
Simonson, Randall #	Self	
Soper, John # P	GRF	
Sundos, Munzer #	Self	Syria
Sveinsson, Thoroddur	Self	Iceland
SWENSON, JOHN	Self	
Swenson, Orval	GRA	
Thorsness, Kevin	GRA	
WEED, DONALD # P	Self	
Wolf, Stan P	Self	
Zaffaroni, Eduardo #	CAPEB	Brazil