

January 1984 for 1983



Dear Former Agronomists at NDSU, and families

I am starting this letter late as usual but December 31, Saturday still in 1983, but it is more of a "news letter" now sent around January 1. Anyway it is helpful for us to receive some Holiday cards and news from many of you that we can pass along as new addresses, new jobs, etc. We will do that as you communicate with us. Also, keep the photos coming of your families, not enough of you do that--don't worry about the aging process, it happens to all of us if we are around. Three of our sons were with us Holiday time, the 4th helping out with our 3rd grandchild born December 21. Second son, Jeff, was married.

in 1983 also, the main 1983 changes in Carter family. Eileen Buringrud, our Secretary IV, has put the staff and student list, etc. on the computer though so that part will be done faster than in the past.

We have had several faculty and staff changes in 1983 and some recruiting to do. Dr. Darrell Cox joined our faculty March 1, 1983, as hard red winter wheat breeder. Laurie Linz replaced Jarvis Brosz as Ag. Research Technician II in the project to breed bird resistant sunflower. Kathryn Christianson became Ag. Research Technician III in a new position in perennial weed control with Drs. Messersmith and Lym. Garrett VanWatermolen retired and has been replaced by Marvin Mayer. Tammy Nelson moved to Agricultural Engineering as Secretary II and has been replaced by Margaret Bausman. Patricia Olson resigned as Word Processing Operator II and has been replaced by Sandra Post. Pat was on leave with a new child--they have moved to Chicago. Dr. An Hang, postdoc in barley cytogenetics, returned to Colorado State University in a similar position after our Special Grant with Dr. Franckowiak ended. Dr. Duane Berglund, Extension Agronomist, has resigned to become Assistant Director of Extension at NDSU. Several candidates to replace Dr. Berglund have been interviewed and we hope a replacement will be hired soon. Dr. Charlotte Eberlein resigned to take a weed research position at University of Minnesota, and replacement of her position is underway. Dr. Stephen Miller has resigned effective 3-1-84, to take a similar position at the University of Wyoming, Laramie, and we have undertaken a search to replace Steve. Some of you will know the long associations we have had with Drs. Berglund and Miller which we will try to continue wherever they are. We will miss all the people above but wish them well and continued communication with Agronomy, NDSU, in the future. Dr. LeRoy Spilde officially moved to the Seedstocks Project Leader April 1, 1983, and has been replaced by Tom Teigen, new Superintendent at the Agronomy Seed Farm. Dr. Devon Doney, USDA sugarbeet geneticist, was moved to NDSU during 1983 and is Adjunct Professor beginning January 1, 1984, as is Dr. Larry Campbell by recent appointment. Dallas Peterson also joined Agronomy as Graduate Research Fellow in weed science with Dr. Nalewaja.

Agronomy graduated 19 M.S. and 6 Ph.D. students in 1983 May Commencement. Among the latter, Les Wright finished (congratulations again, Les) so Dr. Foster helped Les and Arlo Thompson to get a doctorate hood. As I recall Constantino Josephides, Ken Johnson and Charles The also were present to receive hoods too

from Dr. Joppa, Lucken and Cross, resp., but Jean Tonye already had returned home. Those listed to receive the M.S. in May, 1983, Commencement were: Jose Bravo, Soliman El-Sebai, Edgar Haro-A., Beverly Durgan, Nick Haugerud, Karen Hertzgaard, Margaret Hollenhorst, Burton Johnson, Komenan Kouame, William Laskar, John Lukach, Raul Morales, Jorge Moutous, Carlos Reide, Orlando Rodriguez, Matt Sanderson, Thomas Snyder, Kevin Staska, and Curtis Thompson. Some of these were delayed somewhat beyond the May Commencement so officially will be on the 1984 list. Twenty-seven B.S. students also graduated in Agronomy. The official prediction is that many World War II veterans will retire in Agronomy in the next few years and not enough Agronomy graduates will be available to fill the positions vacated by retirement.

Agronomy had 71 graduate students in the Fall, 1983, but two more, Mr. Samad and Mr. Badaruddin from Bangladesh, joined us soon after the list was made. Also, Juan Dominguez of Spain, who has been inactive, plans to receive a special Fellowship from his University and return to NDSU for at least one year of study. Ph.D. students Harouna Dosso, Mohsen Chitsaz, Rene Scoresby and William Wells, and M.S. student Muhamad Subhi have completed thesis and final exams since the Fall Quarter started. We hope that Anna McClung, Apporture Kouakou, Aaron Guenzi, Bruce Monson, John Chyle, Tom Fetch, and Mike Cagley, and others, will complete their degrees soon. New students since last year are (U.S. citizens unless foreign country added):

Kristi Biewer
Katheryn Christianson
Elias Elias (Syria)
Zachary Fore
Jean Genet (France)
Michael Hickman
Richard Horsley
Murtaza Kabir (Bangladesh)
Abdus Samad (Bangladesh)
Mohammad Badaruddin (Bangladesh)

Ron Meyer
Richard Mohan
Kevin Moxness
Dallas Peterson
Ken Pazdernik
Felipe Pulido (Venezuela)
Miguel Rivadeneira (Ecuador)
Wilson Rono (Kenya)
Randall Simonson
John Soper
Eduardo Zaffaroni (Brasil)

We had many foreign and other visitors visit the campus in 1983 including Dr. O'Brian again from Australia on his second visit and Dr. Colin Law of Cambridge Plant Breeding Institute here for a week after several other previous visits. We have had Trade Team visits from Mexico, Germany, Philippines, PRC, two on wheat and two on barley from Japan, etc., plus a more or less research and education team on breeding research and genetics teaching from the Peoples Republic of China. The new Northern Crops Institute building attached to the south side of Cereal Technology is a very nice new facility to host teams. Dr. Brendan Donnelly is Director of the Institute--some of you may remember Brendan as former member of Cereal Technology staff on durum wheat processing research. Ardye Grant, former secretary in Cereal Technology and to Dr. Gilles as Vice President is Secretary in the NCI.

Dr. Carl Johnson was unable to attend the Second Blizzard party at ASA in Washington, D.C., in August, 1983, but Dr. Perry Cregan of USDA, Beltsville, MD, helped host the party. About 46 people attended from 13 states and 2 foreign countries. Dr. Jim Loffgren of Dahlgren's of Crookson, MN, provided some complimentary hulled and roasted sunflower seed for the party. We showed a tape and slide show of the very nice, new Music Building on NDSU campus. Plan to visit it if you come to campus. Attending the second Blizzard party were: Dr. & Mrs. Frank LeGrand, James Helm, Darrell Cole, Thomas Carlson, Thomas Fetch, Adam Koble, Lloyd and Nancy Nelson, Roy Cantrell, Leonard Joppa, Bill Niehaus, Val Eylands, George A. Reichman, Lynn Brun,

Owen Porter, Gordon Johnson, Bill Wells, Darrell Cox, Jim & Donna Hammond, Perry & Donna Cregan, Hossein Rubani, Roy Luedtke, Bill Laskar, Moussa Mosaad, John Berdahl, Bertel Schou, Dwight Kanter, Len & Diane Hofmann, John & Jan Foss, Dale & Rita Shay, Chuck & Martha Smith, Duain & Gladys Meyer, Karl Lucken, & John Muir.

The third Blizzard Party will be in November of 1984 at the ASA meetings in Las Vegas--we hope you will plan to attend and meet old friends, faculty, former students, etc.

Our faculty and students continue to be productive and receive recognition. Dr. Nalewaja becomes President of the Weed Science Society of America in February, 1984, and Dr. Messersmith is first Vice-President of the North Central Weed Control Conference. Dr. Dexter is Editor of NCWCC Research Reports and North Central representative to WSSA. Alpha Zeta of NDSU recognized Dr. Whited as Outstanding Educator and Dr. Carter as Outstanding Agriculturalist in 1983. We released Agassiz hard red winter wheat in summer of 1983, and we will be releasing some new crop varieties, January 10, 1984, namely: STOA hard red spring wheat (for former Dept. Chairman T. E. Stoa), HAZEN six-rowed barley (for former Experiment Station Director Arlon Hazen), BOWMAN two-rowed barley (for the County & town), STEELE oats (for the County), NODAK pinto beans, and KARL triticale (for Karlsruhe). We don't have a breeding program on Triticale but have evaluated some good CIMMYT lines that are superior in North Dakota to other Triticale varieties available for the limited use here.

Donna Nalewaja was a Republican representative and Bob Nowatzki a Democratic representative in our last legislature. I hope they were both interested in agriculture and did not cancel out each other in the voting. Dr. Foster has written a chapter in a forthcoming ASA Monograph entitled "Nutritional Quality of Cereal Grains: Genetic and Agronomic Improvement"--watch for it to be published.

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 71 with several foreign students more or less enroute for the Spring quarter, and several students have graduated since Fall. I notice that Drs. Messersmith and Meyer have about 40 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 very good crop in 1983 although the July-August period was one of warmest on record--now December of 1983 has been one of the two coldest Decembers on record and coldest on record many other places (but, today, January 3, 1984, temperature is near 40°F!). Our new winter wheat and barley nursery at Weslaco, Texas, appears to have been frosted badly by cold weather in December too. We were 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 an interesting one again in 1983, winning the North Central Conference and Division II national champions. 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 being put on two of the old Agronomy glasshouses and on Waldron glasshouses. Two hundred and forty acres of new research land have been purchased near Prosper, about 17 miles from campus, and will be used first in 1984. 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. The 1983 Legislature did not provide a new Computer Center as hoped for and badly needed, but maybe next time.

Our annual fall picnic was September 6 with 100 or more attending and the Christmas Party was December 17 at the Doublewood Inn. The latter was a dinner with Diana Roberts, Tom Carlson, John Soper, and others among the students providing a 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 Washington, D.C. and recent North Central Weed Control Conference, Columbus, Ohio, were outstanding as usual. Also in December, 1983, Drs. Maan, Joppa and Williams travelled to Japan to present papers at the IX International Wheat Genetics Symposium. Dr. Maan travelled on to attend the International Genetics Congress in New Delhi, India. 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 Washington, D.C., 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 push No. 1. We are pleased this year to have many 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. 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 1984. 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, Las Vegas and third NDSU Blizzard Party. 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.

Sincerely,



J. F. Carter
Professor and Chairman

AGRONOMY FACULTY

J. F. Carter, Professor and Chairman
W. S. Ball, Extension, Crops
R. E. Barker, Adjunct Professor, Forage Crop Genetics (USDA, Mandan)
Extension, Row Crops
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)
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
G. J. Fox, Research Associate, Sunflower Breeding
J. D. Franckowiak, Assoc. Professor, Barley Breeding
R. C. Froberg, Professor, Wheat Breeding
K. F. Grafton, Ass't. Professor, Dry Bean Breeding
J. J. Hammond, Professor, Flax Breeding
Ass't. Professor, Extension, weed science
L. K. Joppa, Adjunct Professor, Res. Geneticist, Durum Genetics (USDA)
K. D. Kofoed, 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
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)
S. D. Miller, Assoc. Professor, Weed Science
J. D. Nalewaja, Professor, Weed Science
W. W. Roath, Adjunct Professor, Research Geneticist, Sunflower (USDA)
P. C. Sandal, Professor Emeritus, Retired
Barley Cytogenetics
A. A. Schneiter, Professor, Specialty Crops
D. J. Cox, Ass't Professor, HRW Wheat Breeding
R. H. Shimabukuro, Adjunct Professor, Plant Physiologist (USDA)
G. S. Smith, Professor Emeritus, Retired
L. A. Spilde, Assoc. Professor, Seedstocks
G. C. Weiser, Ass't. Professor, Dry Bean Breeding
D. A. Whited, Professor, Soybean breeding
N. D. Williams, Adjunct Professor, Research Geneticist

GRADUATE RESEARCH FELLOWS IN AGRONOMY

Dean Reynolds, Weed Control
Donald Weed, Durum Wheat Breeding
Dallas Peterson, Weed Control

SECRETARIES, 1983

Eileen Buringrud, Secretary IV
Janet Matzek, Clerk III
Elaine Dobrinz, Secretary II
Sandy Post, Word Processing Operator II
Peggy Bausman, Secretary I
Betty Johnson, Secretary I, Extension
Pam Odegaard, Clerk Typist I

RETIRED

D. C. Ebeltoft
L. A. Jensen
P. C. Sandal
A. B. Schooler
G. S. Smith
T. E. Stoa

AGRONOMY GRADUATE MAJORS, FALL QUARTER 1983

Albrecht, Ray	Self		
Badaruddin, Mohammad	CIMMYT	Bangladesh	
Berger, Ana	IICA/BID	Uruguay	
Biewer, Kristi	GRA		
BOLGER, TERENCE	Self		
Bruckner, Phil	GRA		
CAGLEY, MICHAEL	Self		
Carlson, Ken	Self		
Carlson, Steve	GRA		
Carlson, Tom	GRA		
Cedeno, Jesus	Gov't	Venezuela	
Chitsaz, Mohsen	Self	Iran	
Christianson, Katheryn	Self		
CHYLE, JOHN	Self		
Dahl, Greg	GRA		
Dosso, Harouna	Gov't	Ivory Coast	
Dunford, Wilma	Self		
Durgan, Beverly #	GRA		
Elias, Elias #	GRA		
Fanning, Mark	Self		
Faue, Allen	GRA		
Fetch, Tom	Self		
Fisher, Hal	Self		
Fore, Zachary	GRA		
Gebre, Hailu	FAO	Ethiopia	
Genet, Jean	Self	France	
Goyno, Phil	GRA	Australia	
Grafstrom, Lester #	GRA		
GUENZI, AARON, P	Self		
Hickman, Michael	GRA		
Hormis, Yousif	Gov't	Iraq	
Horsley, Richard	GRA		
Jayaswal, M. L.	AID	Nepal	
JOHNSON, BARRETT	Self		
Johnson, Burton, P	Self		
Johnson, Kirk	GRA		
Kabir, Murtaza	USAID/Cornell	Bangladesh	
Klindworth, Daryl P	Self		
Klindworth, Margaret,	Self		
Kouakou, Apporture	AFGRAD	Ivory Coast	
LARSON, WARREN	Self		
Laskar, William	GRA		
LAW, ROBERT,	Self		
MCCLUNG, ANNA	Self		
Majid, Hashim	Gov't	Iraq	
Manthey, Diane	GRA		
Manthey, Frank	GRA		
Meyer, Ron	Self		
Mohan, Richard	GRA		
MONSON, BRUCE	Self		
Moses, Adrian	GRA		
Moxness, Kevin	GRA		
Ness, Keith	Self		
Nicolai, David	GRA		
Nwaokolo, Julius	Self	Nigeria	
Peterson, Dallas	GRF		
Pazdernik, Ken	Self		
Pulido, Felipe	Gov't	Venezuela	
Reynolds, Dean	GRF		
Riede, Carlos #	IAPAR	Brazil	
Rivadeneira, Miguel	AID	Ecuador	

TECHNICIANS AND OTHER CLASSIFIED, 1983

Ray Albrecht, sunflower-flax breeding, USDA
Robert Baumann, HRS wheat genetics
Joye Bond, sugarbeet breeding
Jarvis Brosz, durum wheat breeding
Kay Carlson, wheat cytogenetics
Katheryn Christianson, perennial weed
Wilma Dunford, wheat genetics / control
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
Gerald Johnson, HRW wheat breeding
Daryl Klindworth, wheat genetics, USDA
Margaret Klindworth, durum genetics
James Liedahl, hybrid wheat breeding
Lyle Lindberg, flax-soybean breeding
Laurie Linz, sunflower breeding, birds
John Luecke, sugarbeet weed control
Carl Madsen, HRS wheat breeding
Marvin Mayer, Motor Vehicle Mechanic I
Wayne Norby, forage crop production
Dale Rehder, sunflower breeding, USDA
Ronald Roach, weed control
Carol Schmidt, durum wheat genetics, USDA
Jody VanderWal, dry bean breeding
Duane Wanner, corn breeding
Vacant, weed control