

Agronomy Gleanings

January 7, 1991

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Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

1st DEPARTMENTAL COFFEE

We will hold our first all department coffee on Tuesday, January 8, at 9:30 a.m. in 306 Borlaug Hall. Plan to attend if you have the time. The purpose of these monthly coffees is to provide an opportunity for everyone (faculty, staff, post docs, students) to interact on an informal basis. We hope to have one each month. Bring your coffee cup and join us.

FACULTY MEETING

There will be a faculty meeting on Monday, January 14 at 8:00 a.m. in 306 Borlaug Hall.

GRAD CLUB MEETING

There will be a Grad Club meeting on Friday, January 11 at 3:00 p.m. in 306 Borlaug Hall.

GRAD STUDENTS MUST REGISTER

Grad Students remember starting winter quarter, "all graduate assistants must register for each quarter that they hold an assistantship. Failure to register by the end of the second week of the quarter (Jan. 11) will result in termination of your assistantship."

THANK YOU NOTE

I want to indicate my appreciation for the flowers the Department sent at the time of my mother's funeral. Thanks also for the cards and expressions of sympathy and concern.

Burle Gengenbach

MISSING NOTEBOOK

Between December 21 and 24 I lost a green chemical resin ring binder filled with papers and protocols for DNA and RNA extraction. If you have seen this notebook please call 625-8107.

Thanks, Song Yun

KURLE WORKING 75% TIME

As of January 2, Jim Kurle has gone to a 75% appointment. His working hours are 7:30 a.m. to 2:00 p.m.

DEATH

Virginia Bickell who worked in the St. Paul Campus post office for many years died on Monday, December 24 after a long battle with bone cancer.

FAREWELL COFFEES

Please join us in a farewell coffee for Lori Marshall, Tuesday, January 8, 3:00 p.m. in 306 Borlaug Hall. Lori will start a new job at Holden's Foundation Seeds in Iowa.

Please join us for a farewell coffee for Andrew Tommey, Friday, January 11, 9:30 a.m. in 306 Borlaug Hall. Andrew is returning to England to start a new job.

CROPS & SOILS CONFERENCE

The Crops and Soils Planning Conference is scheduled for January 15 and 16, 1991 on the St. Paul Campus. Remember to return your reservation form by Friday, January 11 to Kathy Donahue, 220 Coffey Hall, for dinner on January 15 at Lido's.

GRANTS

We have received information on the CSRS Special Research Grants Program for Fiscal Year 1991. We have also received a request for research proposals from the American Soybean Association. Check with Avis in 411 Borlaug Hall for details.

SUSTAINABLE FARMING WORKSHOP

The Land Stewardship Project and the Sustainable Farming Association of Minnesota are sponsoring a Sustainable Farming Workshop on Tuesday, January 8, 11:00 am to 3:30 pm in Faribault at the Episcopal Guild House - 101 NW 6th St. The workshop will include a seminar and discussion on "Farm Management for a Profitable and Sustainable Future on the Land" with Allan Savory, founder of the Center for Holistic Resource Management.

GREETINGS

We have received greetings and best wishes for the New Year from Harry K.J. Hsu and family. Dr. Hsu is an alumni from the department and received the U of M Outstanding Achievement Award.

UNIVERSITY HOLIDAY

The University of Minnesota will be closed in observance of the Dr. Martin Luther King, Jr. holiday on Monday, January 21.

PERSONNEL OFFICE MOVED

The St. Paul Campus Personnel Office has moved to 116 Classroom Office Building. They will no longer have a receptionist and have cut back to one part-time clerical person. They will use voice mail to answer calls. They will no longer provide services to job applicants. To accommodate current employees needing job application forms they will have a rack of forms near the job posting board in the walkway between Coffey Hall and the Student Center. Screening and processing applications is handled by the central personnel office at 1919 Univ. Ave.

MARTIN LUTHER KING CONCERT

The U of M will present the 10th annual Dr. Martin Luther King, Jr. Memorial Concert featuring a special performance by Penumbra Theatre Company and the Reginald Buckner Memorial Ensemble on Sunday, January 20 at 3:00 p.m. in Northrop Auditorium. The concert is free and open to the public.

SEMINARS

**MONDAY
JAN 7** Plant Breeding Seminar
The potential use of computer-intensive methods in plant breeding.
Steve Openshaw, in 306 Borlaug Hall at 4:00 p.m.
Weed Science Discussion
Discussion of possible cooperative research with agricultural engineering personnel, in 408 Agronomy at noon.

Soil Science Seminar

Research agenda for surface chemistry and clay mineralogy in soil and environmental science.

David Laird, in 375 Borlaug Hall at 3:00 p.m.

Plant Biology Colloquium

Structure of an intron containing maize plastid genome open reading frame and its transcription in developing maize endosperm.

Jaakko Kangasjarvi, in 335 Borlaug Hall at 4:00 p.m.

Agronomy Seminar

Applied research using nature as the standard.
Wes Jackson, John Piper and Peter Kulakow from the Land Institute, Salina, Kansas, in 335 Borlaug Hall at 4:00 p.m.

Ecology Seminar

Woody agriculture: Ecology and sustainable development (really)!
Dr. Philip Rutter, Pres. of the American Chestnut Foundation, in 313 Zoology at 3:30 p.m.

**TUESDAY
JAN 8**

**WEDNES.
JAN 9**

FACULTY SABBATICALS

The U.S. Department of Energy has announced the 1991 Faculty Research Opportunities program. This program is to enable college and university faculty to participate in advanced, mission-oriented research at DOE and other facilities. January 22 is the deadline for applications. Check the bulletin board for more information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Post doctoral position in protein biochemistry, Pioneer Hi-Bred International, Inc., Johnston, IA.
- Several positions through IITA, Human Resources: Farming Systems Agronomists (two positions), in Ekona and Bamenda; Grain Legume Specialist (Breeder/Agronomist), Maroua, Cameroon; Maize Breeder, in Bamenda; Crop Physiologist in sub-Saharan Africa; Plant Breeder in sub-Saharan Africa.
- Plant Science/Agronomy (teaching), Illinois State University, Normal, IL.
- Production Agronomist, Agronomy Department, Louisiana State University, Baton Rouge.
- Plant Molecular Biologist (2 years - Postdoc), University of Tennessee, Knoxville, TN.
- Asst. Pomologist at an Ag. Exp. Station, South Coast Field Station, Univ. of California, Santa Ana, CA.
- Postdoc in molecular/cellular biology, genetics or related field, Dept. of Horticulture, Oregon State Univ., Corvallis, OR.
- Research Specialist II (B.S. or M.S.), North Dakota State Univ., Dept. of Horticulture, Fargo, ND.
- Asst. Station Manager at Glyndon, Minnesota, Pioneer Hi-Bred, Int'l., Inc., Johnston, IA.
- Research Associate (B.S. or M.S.), Dept. of Agronomy, Colorado State Univ., Fort Collins, CO.
- Asst. or Assoc. Prof. (crop phys. or crop production), Texas A&M Univ., Ag. Res. and Extension Center, Uvalde, TX.
- Biological Science Dept. Chair, Univ. of Arkansas, Fayetteville, AR.
- Biological Technician (Biochemistry), USDA-ARS, Aberdeen, Idaho.
- Research Agronomist/Horticulturist, Oakes Irrigation Field Trials, Carrington Research Extension Center and Garrison Diversion Conservancy District, Carrington, ND.
- Microbiologist/Soil Scientist, USDA-ARS, Univ. of Illinois, Urbana, IL.
- Postdoc position for molecular genetic research on peanut, Univ. of Florida, Gainesville, FL.

EXTRACURRICULAR EVENTS

The University Senate has adopted the following resolution regarding scheduling of extracurricular events during finals week: "No extracurricular events which require the participation of students may be scheduled from the beginning of study day to the end of finals week. Exceptions to this policy may be granted by the Senate Committee on Educational Policy through whatever procedure it determines most feasible. The Senate advises all faculty members that students who are unable to complete course requirements during finals week owing to officially scheduled University events shall be provided an alternative."

Robert E. Pollack:

Published error is at the heart of any real science. We scientists love to do experiments that show our colleagues to be wrong and, if they are any good, they love to show us to be wrong in turn. By this adversarial process, science reveals the way nature actually works.

Science differs from politics, or religion, in precisely this one discipline: we agree in advance to simply reject our own findings when they have been shown to be in error. There is no shame to this. The freedom to make and admit mistakes is at the core of the scientific process. If we are asked to forswear error, or worse, to say that error means fraud, then we cannot function as scientists. —New York Times

Agronomy Gleanings

January 14, 1991

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Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEW VISITING SCIENTIST

Please welcome Don Riemenschneider to the department. He is from the US Forest Service in Rhinelander, Wisconsin and will be working in Carroll Vance's lab for six months.

WINTER CROPS DAY AT WASECA

The 1991 Winter Crops Day will be held on the Waseca Campus, U of M on Thursday, January 24.

CLASSES CANCELLED

Classes in the period from 11:45 to 13:40 p.m. on the St. Paul Campus will be cancelled on Monday, January 14 so that students, staff and faculty may participate in a "Time Out" Convocation addressing the problem of racism on campus. Check the Daily for the location of the program on the St. Paul Campus.

EXEMPT W-4 AND MWR FORMS

Exempt W-4's submitted to payroll in 1990 expire on 2/15/91. To avoid having taxes withheld after that date, new exempt W-4's must be received in this office by the following dates. Biweekly Payroll - 4:00 p.m. on 2/12/91 and Regular Payroll - 4:00 p.m. on 2/20/91. MWR forms (reciprocity) expire on 2/28/91. To avoid having Minnesota taxes withheld, new forms must be in payroll by the following dates: Biweekly Payroll - 4:00 p.m. on 2/26/91, Regular Payroll - 4:00 p.m. on 3/7/91. MWR forms are available from the Minnesota Department of Revenue. If you have any questions please contact Avis in 411 Borlaug Hall.

USED COMPUTER - FREE

Dr. Stuthman has an IBM-XT computer that he no longer needs. This computer needs repairs, but is free to any project that may want to repair it or use it for parts. The computer is currently in the computer room and needs to be removed. Please contact Lynne in 411 Borlaug Hall if you are interested.

WE NEED A USED REFRIGERATOR

Does anyone have a refrigerator that they would like to sell? The Civil Service staff in Crops Research would like to purchase a used refrigerator for the Civil Service break room in that building. If you have one available please leave a message for Tom Warnke at 625-3153.

CROPS & SOILS CONFERENCE

The Crops and Soils Planning Conference is scheduled for January 15 and 16, 1991 on the St. Paul Campus.

GRANTS

We have received information on the Food and Agricultural Sciences National Needs Graduate Fellowships Grants program. The deadline for application is February 19, 1991. Check with Avis in 411 Borlaug Hall for details.

CONGRATULATIONS

Congratulations to Brent Sorenson for receiving first place on his paper in the Environmental section at the North Central Weed Science Society meetings in December. Congratulations to Pete Dotray and Tom Fry who received second place honors in the Herbicide Physiology and Weed Biology section, respectively.

CONGRATULATIONS

Congratulations to Burle Gengenbach and Bev Durgan who were the recipients of the Northrup King faculty performance awards for 1990-91. Dr. Gengenbach received the award in the research category and Dr. Durgan in the education category.

NEW GRADUATE STUDENT

Please welcome Brett Bussler to the department. Brett will be pursuing a Ph.D. degree with Don Wyse's and Bruce Maxwell's projects. He earned the B.S. from Southern Illinois University at Carbondale and the M.S. from Purdue University. He is officed in 200 Agronomy.

NEW CIVIL SERVICE STAFF

Please welcome Pam Altermatt to the department. Pam is a Sr. Research Plot Technician and is working 3/4-time with Tom Warnke in Sue Nielsen's old position. Also, welcome to Ping Chen. She is a scientist working on John Gronwald's and Don Wyse's projects.

NEW POST DOC

Please welcome Bai Chi Wu. He is a post doc working with Ron Phillips. He recently complete the Ph.D. at Texas A&M University in Plant Pathology.

HAMMERVILLE MICROPULVERIZER

Does anyone have a Bantam Hammerville Micropulverizer by Dynaquip? If so, please contact Sue Bornis at 624-0347. She is looking for one that may be in this department.

SEMINARS

**MONDAY
JAN 14**Plant Breeding Seminar

Treatment adjustments for error control in field trials. Bob Murzyn, in 306 Borlaug Hall at 4:00 p.m.

Weed Science Discussion

Mechanism(s) of selectivity of clomazone (the white plant syndrome).

Monte Weimer, in 408

Agronomy at noon.

Plant Pathology Seminar

Oak wilt in Texas.

Nancy Osterbauer in 365 Borlaug Hall at 3:00 p.m.

Interdepartmental Seminar

Weed science and the water quality issue.

Donald Wyse in 335

Borlaug Hall at 3:00 p.m.

Forest Resources

A comparison of two computer simulation models for predicting runoff from two headwater basins in North Dakota.

Vera Matich, in 100 Nat.

Resources at 3:00 p.m.

Plant Biology Colloquium

The plasma membrane and tonoplast of guard cells.

Prof. Colin M. Willmer,

Univ. of Stirling, Scotland, in 335 Borlaug Hall at 4:00 p.m.

Ecology Seminar

Ecology and evolution of butterfly-ant symbioses.

Dr. Philip de Vries,

MacArthur Fellow, Texas A&M, in 490 Hodson Hall at 3:00 p.m.

Agronomy Seminar

Potato cold acclimation.

Dr. Paul Li from the Dept. of Horticultural Science, in 306 Borlaug Hall at 4:00 p.m.

Faculty Colloquium

Biotechnology: Broad perspectives.

David Somers in 306 Borlaug Hall at noon.

**TUESDAY
JAN 15****WEDNES.
JAN 16****FRIDAY
JAN 18**

CIVIL SERVICE AWARD

The Annual Civil Service Awards

ceremony will be held Thursday, March 14 at 9:30 a.m. in 306 Borlaug Hall.

Nominations are currently being accepted until Friday, February 8 for the Civil Service Excellence Award. You may use the nomination form distributed in the mailboxes this week, or your own nomination letter. If you did not receive a nomination form, please contact Tom Warnke, Eric Ristau, Lynn Field, or Teresa Schoeder. If you would like to resubmit a nomination from a previous year check with Lynne in 411 Borlaug Hall for the old nomination.

MN PESTICIDE LICENSE

Minnesota Pesticide Applicators License Recertification Workshop (Categories A,C,D) will be held all day January 24, 1991, at the Earle Brown Center.

Registration forms were sent with license renewal information. University employees are not required to pay the workshop registration fee, but must preregister in advance for the workshop. This workshop will fill license recertification requirements for 1992, 1993, 1994. Any questions? Contact Nancy Harvey at 625-8215.

MISPLACED EMPLOYEE

Whoever hired Shawn Eliason please contact Marilyn 624-1268.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Asst. Prof. for irrigated and dryland cropping systems, Dept. of Agronomy, Kansas State Univ., Manhattan, KS.

- Agricultural Agent, Adams County Extension, Friendship, Wisconsin.

- Plant breeder/agronomist to work on small grains - Research Associate, Texas A&M Univ., Vernon, TX.

- USDA-ARS, Soil Scientist - GS9, Univ. of Minnesota, St. Paul, MN.

How to Write Good

IN HIS NEW BOOK *Fumblersrules*, William Safire gives a lighthearted look at grammar and good usage. The following are "fumblersrules"—mistake that call attention to the rule:

Avoid run-on sentences they are hard to read.

No sentence fragments.

It behooves us to avoid archaisms.

Also, avoid awkward or affected alliteration.

Don't use no double negatives.

If I've told you once, I've told you a thousand times: Resist hyperbole

Avoid commas, that are not necessary.

Verbs has to agree with their subjects.

Avoid trendy locutions that sound flaky.

Writing carefully, dangling participles should not be used.

Kill all exclamation points!!!

Never use a long word when a diminutive one will do.

Proofread carefully to see if you any words out.

Take the bull by the hand, and don't mix metaphors.

Don't verb nouns.

Never, ever use repetitive redundancies.

Last but not least, avoid clichés like the plague.

—Published by Doubleday

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Agronomy Gleanings

January 18, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

BUILDING STEAM INTERRUPTION

The steam service will be interrupted to the St. Paul Campus for annual plant maintenance on Sunday, May 3, from 4 am to 10 pm to all buildings on St. Paul Campus. Please notify Physical Plant Operations, Juan Bartolomei at 625-4372 of any problems which would prevent the interruption from proceeding on schedule.

VOICE MAIL SERVICE

The phones of the individuals who have signed up for Voice Mail will no longer roll over to the receptionist desk but will rollover to Voice Mail starting Tuesday, January 22.

NEW BABIES

Eric and Annette Ristau had a baby girl on Sunday, January 13 and have named her Natalie.

Doug and Sue Miller had a baby girl on Wednesday, January 16 and have named her Kristie Ruth.

U of M sweatsuits were provided by the Flower and Gift Committee.
Congratulations to all.

DR. BURNHAMS' BIRTHDAY

Dr. Burnham turned 87 last Sunday, January 13. Flowers were sent by the Flower and Gift Committee. Dr. Burnham is living at the Commonwealth Healthcare Center, 2237 Commonwealth Avenue, St. Paul, MN 55108.

MINUTES OF GRAD CLUB MEETING

The minutes from the Winter Quarter Grad Club meeting, January 11, are posted on the bulletin board outside 411 Borlaug Hall.

PICK-UP VOLLEYBALL

The graduate students are planning to hold pick-up volleyball games on Tuesday evenings at 5:00 p.m. in the St. Paul Campus Gym. Anyone is welcome to come and join them for an informal game of volleyball. Just show up. Check with Sandra Milach for more details.

COMPUTER ROOM LOCK

The combination for the lock on the computer room door has been changed. Check with Lynne in 411 Borlaug Hall to get the new combination.

PROFESSORS IN THE CLASSROOM

The Prospective Student Services Office has established a project entitled "Professors in the Classroom". The project encourages COA faculty to provide presentations to high school and community college students on our campus or in the students' classroom. They are seeking faculty presentation suggestions by February 8, 1991. The presentations will be compiled into a publication which would be distributed to supportive educators in high schools and community colleges. Contact Annette Day in the COA office at 4-4748 for more information.

PHD DISSERTATION FELLOWSHIPS

The Graduate School is accepting nominations for Doctoral Dissertation Fellowships for 1991-92 until noon on Friday, May 3, 1991. The fellowships are intended to enable Ph.D. candidates of particular promise to devote full time effort to the research and writing of the dissertation during the next year. Students who are Ph.D. candidates with approved programs on file at the Grad School, have passed written and oral prelims by May 3 and who will have completed all program coursework by the end of the Spring Quarter, June 8, 1991, are eligible for nomination. The fellowship stipend is \$11,000 for 12 months, plus academic year tuition. Check with your DGS for more information.

STADLER GENETICS SYMPOSIUM

The 20th Stadler Genetics Symposium on Gene Conservation and Exploitation will be held September 30-October 1, 1991 on the University of Missouri-Columbia campus. Check the bulletin board for more information.

CIVIL SERVICE AWARD

The Annual Civil Service Awards ceremony will be held Thursday, March 14 at 9:30 a.m. in 306 Borlaug Hall. Nominations are currently being accepted until Friday, February 8 for the Civil Service Excellence Award. You may use the nomination form distributed in the mailboxes or your own nomination letter. If you did not receive a nomination form, please contact Tom Warnke, Eric Ristau, Lynn Field, or Teresa Schoeder.

Happiness, in this world, if it comes at all, comes incidentally. Make it the object of pursuit, and it leads us on a wild-goose chase, and it is never attained.

—Nathaniel Hawthorne

INTERIM PLANS AT EXP. STATION

Since Roy Thompson, assistant director of the Ag. Exp. Station, retired December 7 Wally Nelson, superintendent at the Southwest Experiment Station and Larry Smith, superintendent at the Northwest Experiment Station have agreed to assume additional responsibilities. Wally Nelson will coordinate legislative and/or other requests, handle budget responsibilities related to salary and personnel changes, attend Institute Executive Council and Ag. Exp. Sta. Executive Council meetings. Larry Smith will handle concerns related to building and/or station physical plans, needs and operations, coordinate with Wally the allocation of funds for repairs and improvements, prepare coordinated building requests for the branch stations.

FIXING BORLAUG 335 AND 365

Physical Planning is scheduling cold fix repairs to 335 and 365 Borlaug Hall from July 18 through September 13. Please contact Uldis Treiberis at Physical Plant Operations if you see any problems with these dates.

BIOLOGICAL SYMPOSIUM

The 2nd Annual Biological Forum Symposium entitled "Licensing Biological Technology" will be held at the Earle Brown Center on Monday, January 28. The symposium will deal with issues of importance to scientist in plant and animal biology and biological process technology to understand in order to make new technology and products available to potential users. Graduate Students are encouraged to attend. Check with your DGS about reimbursement for the registration fee. Advance registrations are due January 18 but additional registrations will be accepted at the door as space permits.

PH.D. THESIS DEFENSE

Nat Page will present his Ph.D. Thesis Defense on Wednesday, January 23, "A computer simulation evaluation of the utility of marker-assisted selection" in 306 Borlaug Hall at 2:00 p.m.

INTL HEALTH SERVICE COURSES

Minnesota International Health Volunteers will present courses on "Orientation to International Health Service". These courses will be beneficial to anyone who anticipates living or working abroad, particularly in developing countries. Mohamed Oussible from our department will be involved in a course on "Development Assistance: The recipient nation perspective" on March 11. Check the bulletin board for more information.

SEMINARS

TUESDAY
JAN 22

Plant Biology Colloquium
Weed Ecology
Bruce Maxwell in 335
Borlaug Hall at 4:00 p.m.

WEDNES.
JAN 23

Agonomy Seminar
Pesticide bound residues in soil: How important are they?
Brent Sorenson in 306
Borlaug Hall at 4:00 p.m.

FRIDAY
JAN 25

Ecology Seminar
The genetic basis of morphological evolution in maize.
John Doebley in 313
Zoology at 3:30 p.m.
Faculty Colloquium
Sustainable Agriculture Program.
Kent Crookston in 306
Borlaug Hall at noon.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- White Corn Breeder, Pioneer Hi-Bred Int'l., Inc., Garden City, Kansas.
- Corn breeder/agronomist for research station at Beijing, PRC through Pioneer Overseas Corporation.
- Sweet corn breeder for research station at Kitami, Japan through Pioneer Overseas Corporation.
- Professor and Chairperson, Univ. of Florida, Dept. of Environmental Horticulture, Gainesville, FL.
- Program Director, Conflict and Change Center, Center for Urban and Regional Affairs, U of M, Minneapolis.
- Summer position for a crop pest management technician, U of M, West Central Exp. Station, Morris, MN.
- Dean of the College of Education and Human Service Professions, U of M, Duluth, MN.

MN PESTICIDE LICENSE

Minnesota Pesticide Applicators License Recertification Workshop (Categories A,C,D) will be held all day January 24, 1991, at the Earle Brown Center. Registration forms were sent with license renewal information. University employees are not required to pay the workshop registration fee, but must preregister in advance for the workshop. This workshop will fill license recertification requirements for 1992, 1993, 1994. Any questions? Contact Nancy Harvey at 625-8215.

MARTIN LUTHER KING DAY

The University will be closed on Monday, January 21 in observance of the Martin Luther King, Jr. holiday.

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UM BINDERY/Binding Instructions

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AGRONOMY GLEANINGS

1991-93

MIW
qAg86a

..... Award for 1991 at
the WSSA meetings in Lexington,
Kentucky, February 4-7. This award
includes a trip to Switzerland provided
by Ciby-Geigy Corporation, Agricultural
Division. Way to go Wyse!!

NEXT DEPARTMENT COFFEE

Mark your calendars now! The next
departmental coffee will be on Valentine's
Day, February 14 at 9:30 a.m. in 306
Borlaug Hall. Plan to attend.

THANK YOU NOTE

Thank you for the terrific U of M
sweatsuit for Lily. She is sure giving us
a workout. Thank you for the generous
gift. Suzanne and Michael Bailey

MEMORIAL SERVICE FOR DUNHOWE

There will be a memorial service for Gus
Donhowe, with a reception following, on
Wednesday, January 30 at 5:00 p.m. in
the Earle Brown Center on the St. Paul
Campus.

gs

January 25, 1991

Genetics,
MN 55108

OA MEMORIAL FOR DUNHOWE
The College of Agriculture will establish
memorial fund for Gus Donhowe. If
you would like to contribute toward
and forward your contributions to the
College of Agriculture, 277 Coffey Hall,
St. Paul Campus by Monday, February 4.

CONGRATULATIONS BURNSIDE
Dr. Orvin Burnside received the
Minnesota Honorary 1990 Premier
Awardsman Award from Minnesota Crop
Improvement on Monday, January 21.
Congratulations.

GRASS SAMPLES IN COLD STORAGE
There are many grass samples in the
walk-in freezer in Borlaug Hall on the
first floor marked SWL - F-I, 1990 that
have been taken over the aisles. Would the
person who belongs to these samples
please put them into boxes or trash bags
so other people can get to their samples
off the shelves. Thank you.

CONFERENCE ON AG & ENVIR.
There will be an International Conference
on Agriculture and the Environment
organized by the Ohio State University,
March 11-14, 1991. Check the bulletin
board for details.

BROWN BAG LUNCH DISCUSSION
An informal brown bag lunch discussion
will be held on Tuesday, January 29,
1991, in 491 Borlaug Hall. Lois Johnson
from DuPont will discuss her experiences
as a scientist in industry. This biweekly
discussion series features speakers and
discussion on topics relating to women in
science and balancing career and family.
Everyone is welcome to attend.

LOST
Does anyone know the location of three
environmental growth cabinets used to
manipulate the temperature of the root
zone in potted plants that were stored in
Room 38 of Crops Research? Please
contact Don Wyse if you have seen them.
Thank you.

COPIES OF NOMINATIONS
Faculty: Remember if you write up a
nomination for someone please give Avis
a copy of the nomination for our awards
file (whether the nomination is successful
or not we need a copy). Thank you.

SEMINARS

MONDAY**Jan 28**Plant Breeding Seminar

Cancelled and rescheduled so that people can attend the Biological Forum

Symposium on Licensing Biological Technology at the Earle Brown Center.

Weed Science Discussion

Ammonium ion enhanced herbicide uptake.

Tom Kladar in 408

Agronomy at noon.

Plant Pathology Seminar

Plant pathology and industry - A researcher's perspective.

Lois Johnson, from DuPont, in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar

Satellites for forest cover monitoring: Strengths and weaknesses.

Pol Coppin, in 100 Nat.

Resources at 3:00 p.m.

Soil Science Seminar

"The role of preferential flow in groundwater quality in the Upper Midwest," by Mike Trojan, and "An overview of modeling solute transport with sorption in heterogenous soils," by Feng Zheng in 375 Borlaug Hall at 3:00 p.m.

TUESDAY**Jan 29**Plant Biological Colloquium

Organization and function of plant apical meristems.

Professor Ian Sussex, Univ. of Calif., Berkeley, in 335 Borlaug Hall at 4:00 p.m.

Peace Corps Seminars

Peace Corps representatives will present seminars on January 29 at noon in 110 Student Center and on January 30 at 2:00 p.m. in 110 Student Center.

WEDNES.**Jan 30**Agronomy Seminar

Agriculture and Energy

Rob DeHaan in 306 Borlaug Hall at 4:00 p.m.

THURSDAY**Jan 31**Energy Crisis and You

Energy, the world, and the USA, an overview, by J. Barbosa.

Energy and Your Automobile, by Nan Swift.

Energy and Your Home, by Michael Noble.

What you can do, by J. Barbosa.

7:00-9:00 p.m. in the Student Center Theatre.

FRIDAY**Feb 1**Faculty Colloquium

Washington lobbying efforts.

Deon Stuthman in 306 Borlaug Hall at noon.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Summer Internship - Research in Sustainable Agriculture at Ohio State University, June 24-August 29, 1991, Columbus, OH.

- Asst. County Agent, Alabama Cooperative Extension, Auburn University, AL.

- Research Associate - Corn Breeding/Genetics, Dept. of Agronomy, B.S. or M.S. level, Louisiana State Univ., Baton Rouge, LA.

- Research Biologist/Geneticist/Chemist/Plant Physiologist, USDA-ARS, Western Regional Research Center, Albany, CA.

- Hydrologist, USDA-ARS, Tucson, AZ.

- Range Scientist, USDA-ARS, Range and Livestock Research, Miles City, MT.

- Plant Physiologist, USDA-ARS, Nat. Res. Institute, Climate Stress Lab, Beltsville, MD.

H. L. Mencken:

An idealist is one who, on noticing that a rose smells better than a cabbage, concludes that it will also make better soup.

—*Chrestomathy* (Knopf)

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEXT DEPARTMENT COFFEE

Mark your calendars now! The next departmental coffee will be on Valentine's Day, February 14 at 9:30 a.m. in 306 Borlaug Hall. Plan to attend.

THANK YOU

Eric, Annette, and Natalie Ristau thank all our friends in the department for thinking of us by giving Natalie a Minnesota sweatshirt. We know she'll quickly grow into it judging by the way she already eats. We are really thankful to have such a wonderful addition to our home which makes the new chores and responsibilities seem light.

BRING THE GREEN CARTS BACK

If you use a green cart from the Xerox room please return it to the room as soon as you are finished so the next person can use it. We seem to have misplaced one of the carts from the Xerox room. If you have any idea where it is please let us know. Thank you.

LECTURE SERIES AT IOWA STATE

Iowa State University will hold a series of lectures by eight leading scientists who played prominent roles in the history of plant research, "Historical Perspectives of Plant Research and Technology." Check the bulletin board for a listing of these seminars and time and location in Ames.

GRAD STUDENTS ICE SKATING

Our first ever ice-skating party last November at Mariucci Arena was such a success that we're planning to do it again! All departmental grad students (family/friends welcome) are invited to lace up their skates and hit the ice on Saturday evening, February 16. Open skating at Mariucci Arena will be available from 7:30 to 9:30 p.m. Student cost is 75¢ with a fee statement. Cheap skate rental and sharpening are available. No skating talent is required! Plan to attend for a fun evening with fellow grad students! More information later.

STOREHOUSE CATALOGS

Attention project leaders and technicians: 1991 storehouse catalogs are in. See Judy or Marilyn if you have not received one.

LOST SCARF

Plant Breeding Graduate Students: one of you left a gray, tan, and brown scarf at Stucker's house last Tuesday night. Check with Lynne in 411 Borlaug Hall if it is yours. Thanks.

FARM FAMILY RECOGNITION

The Annual Farm Family Recognition Banquet is scheduled for Thursday, March 14 in the Terrace Cafe of the St. Paul Student Center. This will be an opportunity for farm families to meet university personnel on campus.

TRAVEL GRANTS TO CHINA

The China Center offers partial travel grants for international airfare of U of M faculty with official invitations to lecture, teach or perform research in the People's Republic of China. Applications for travel to Hong Kong and Taiwan will be considered if the purpose of the travel is related to the study of China. Application deadline for travel during April, May and June is February 15, 1991, 4:00 p.m. Contact the China Center (624-1002) for travel guidelines and application forms.

GRANTS AVAILABLE

Avis has a new list from ORTTA of some, but not all, agency deadlines for grant applications occurring within the next few months. Remember all grant applications must be processed through the appropriate department, college and ORTTA with a completed BA23 form, "Application for External Research, Training or Public Service Support."

FAREWELL COFFEE FOR GREGG

Gregg Pioske has accepted a new job with ORRTA starting February 11. We will hold a farewell coffee for him on Friday, February 8 at 9:30 a.m. in 306 Borlaug Hall. Gregg has been working as an undergraduate student worker and as a temporary Civil Service staff member in the main office of Agronomy (411 Borlaug) for almost 4 years. Please come to say goodbye and wish him well.

DO NOT TAPE ON THE WALLS

Everyone: Remember when you are putting up notices for events (seminars, meetings, classes, etc.) do not tape things onto the painted or wallpapered surfaces. It pulls the paint and wallpaper off and looks really tacky. Please use the bulletin boards as much as possible.

TELECONFERENCE ON FLEX CROPS

Dan Putnam, Erv Oelke, and Lee Hardman representing the Center for Alternative Plant and Animal Products will be part of a teleconference program on "FlexCrop Opportunities under the 1990 Farm Bill" to be broadcast February 7, 1991, from 1:00 to 3:30 p.m. This program will originate from KTCA-TV in St. Paul and will be downlinked to 9 sites in outstate Minnesota (Cloquet, Crookston, Detroit Lakes, Morris, Rochester, Roseau, Elk River, Gaylord, and Montevideo) and to Room 110 Student Center on the St. Paul Campus. They will discuss the opportunities and potential problems for various alternative crops.

AWARD NOMINATION TIME

This is the time of year when award nominations are due. The deadline for nominations to ASA, CSSA, and SSSA is March 18. Check with the awards committee chair, Orvin Burnside if you are interested in nominated or being nominated for an award.

Also, Dr. Burnside has information on the Alexander Von Humboldt Award. This award includes a cash prize of \$10,000 to be given to the person having made the most significant contribution to American agriculture during the previous five years. Nominations are due April 12, 1991.

The College of Ag Alumni Society is seeking nominations for: Outstanding Alumni Award; Outstanding Friend Award; Student Leadership Award; Faculty Leadership Award. Nominations are due March 15, 1991.

Nominations for the John Tate Award for Undergraduate Advising for 1990-91 are due March 4, 1991.

SEMINARS

MONDAY

Feb. 4

Plant Breeding Seminar

Transgenic plants and related weed species. Doug Davis in 306 Borlaug Hall at 4:00 p.m.

Special Seminar

Barley anther and microspore culture toward transformation.

Dr. Clifford Hunter, ICI-Garst Seeds, Slayter, Iowa, in 408 Agronomy at 1:00 p.m.

Soil Science Seminar

Manure management with conservation tillage, by J.R. Joshi; and The Menominee Forest: 136 years of sustained yield management, by Matthew Miller in 375 Borlaug Hall at 3:00 p.m.

Plant Pathology Seminar

Spruce-fir decline: Wind, rocks and root disease. David Russo in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar

Implementing and integrating wildlife, recreation, and timber management models in a geographic information system. Greg Arthaud in 100 Nat. Resources at 2:30 p.m.

SPECIAL GRANTS PROGRAM

The University of Minnesota Commission on Women announces a special grants program to support projects which further the commission's goals: to improve and enhance the working and learning environment for University women. We encourage proposals for a range of projects including, but not limited to: outside speaker's series, research, curriculum development, and program or conference planning. Projects that recognize diversity on campus, and bring together faculty, staff, and students are particularly encouraged. **Application deadline: March 1, 1991.** For further information, call Beth Mingo at 624-9547.

VISITING SCHOLAR PROGRAM

The Institute of Alternative Agriculture in Greenbelt, Maryland, will award 3-6 month scholarships to professionals in University, government and the private sector interested in exploring issues related to alternative and sustainable agriculture. Check the bulletin board for details.

NOMINATIONS FOR CIVIL SERVICE

Get those nominations in for the Civil Service Excellence Award to one of the Liaison Committee members, Tom Warnke, Lynn Field, Teresa Schoeder, or Eric Ristau by Friday, February 8. If you want an old nomination from last year to use to renominate someone check with Lynne in 411 Borlaug Hall. The Civil Service Award is given annually to a Civil Service Member of the Department of Agronomy and Plant Genetics to promote and recognize excellence in job performance among civil service and USDA-ARS support personnel. The recipient receives an award of \$1500 plus a certificate and their name added to the plaque displayed in 306 Borlaug Hall.

TUESDAY

Feb. 5

Plant Biological Colloquium

Starch degradation in barley.

Dr. Cynthia Henson, USDA, ARS, U of Wisconsin, in 335 Borlaug Hall at 4:00 p.m.

Agronomy Seminar

No seminar. Weeds meetings.

Ecology Seminar

The ecological effects of interacting foraging adaptations.

Dr. Peter Abrams in 313 Zoology at 3:30 p.m.

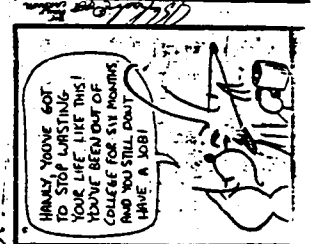
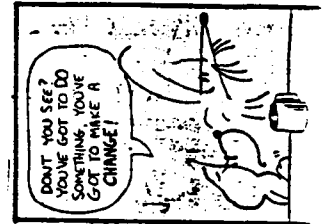
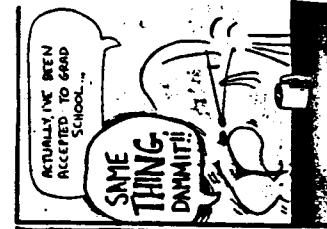
Faculty Colloquium

The changing role of public institutions in corn breeding. Steve Openshaw in 306 Borlaug Hall at noon.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Global Campus program director, U of M, Extension classes, Minneapolis, MN.
- Ag. Agent, Univ. of Wisconsin, Cooperative Extension, Spooner, WI.
- Undergraduate and graduate student summer employment positions with Vegetation Control Service, Inc., Athol, MA.
- Asst. or Assoc. Professor, Cameron University, Lawton, OK.
- Faculty position in biochemistry, Purdue University, West Lafayette, IN.
- Asst. State Program Leader - Agriculture/Agribusiness, Univ. of Wisconsin, Madison, WI.
- Plant Nutrition/Soil-Plant Relations, Asst./Assoc. Prof., Louisiana State Univ., Baton Rouge, LA.



Department of Agronomy and Plant Genetics,
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GRAD STUDENTS ICE SKATING

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LOST TAPE RECORDER

Has someone found a small, dark gray, Sanyo cassette tape recorder in front of the Agronomy Building? One of our graduate students lost the recorder. It has been seen in the hands of someone in Borlaug Hall. If you have found this recorder please return it to Lynne in 411 Borlaug Hall and I will see that it gets back to the owner. Thank you.

GRAD CLUB SOUP LINE

The Grad Club will hold their annual charity fund raiser on Tuesday, February 19 from noon-1:00 p.m. in 306 Borlaug Hall. They will provide delicious homemade soups for a donation of \$2.00. Proceeds will be given to one of the local food shelves. Mark you calendar now and plan to attend!

CSRS APPRENTICESHIPS

CSRS is again sponsoring a Research Apprenticeship Program for high school juniors and seniors in 1991. The main objective of this program is to stimulate interest among minority communities in science related careers. Participating researchers must be currently conducting CSRS funded research projects. Scientists are invited to apply for funding for an apprenticeship, deadline is noon on March 1. Check with Avis for information and application materials.

HAMM MEMORIAL SCHOLARSHIP

Now is the time to nominate undergraduate and graduate students for the Philip C. Hamm Memorial Scholarship Program. Scholarships are for undergraduate or graduate students in plant sciences and related disciplines. Each program may nominate one student. There are 2 undergraduate scholarships of \$500 each and one graduate scholarship for \$1,000. Bill Rooney, from the Plant Breeding Graduate Program, received this award last year. Deadline for nominations is March 15, 1991. Check with Lynne in 411 Borlaug Hall for guidelines.

FINANCIAL PLANNING SEMINAR

Employee Benefits will offer a 5-day seminar, Financial Planning for the Novice, for civil service staff with little or no knowledge of financial planning and investments. Participants will be introduced to the basics of risk management, investments, retirement planning, taxes, and estate planning. Seminar will be 5 Wednesdays, Feb 27-Mar 27, 10 a.m. to noon in Earle Brown. Call 624-9090 for information.

GARDEN SEED FUNDRAISER

A wide variety of flower, vegetable, and herb seeds packaged for 1990 by Burpee Seed Company have been donated to Minnesota Green (a community outreach program of the Minn. State Horticultural Society which supports community improvements by providing technical assistance for community greening projects). The suggested donation for the seeds is 50 cents/package. Because the seeds were packaged for last year, germination rates will vary but usually between 50-80% will grow. Minnesota Green cannot be held responsible for poor germination. Seeds are displayed in convenient racks in the Minnesota State Horticultural Society office, room 161 Alderman Hall, open M-F, 8:00-4:30 p.m. For more information call 624-7752.

NEW COURSE

Ag. Engineering will offer a new course, "Biological Process Engineering", Spring Quarter 1991, through Ag. Engineering (AGEN 5150). This course is designed for nonengineering students who are interested in the application of engineering principles to biotechnology.

SEMINARS

MONDAY

Feb. 11

Plant Breeding Seminar

Breeding to enhance pollinator activity in alfalfa. Elizabeth Hill in 306 Borlaug Hall at 4:00 p.m.

Plant Pathology Seminar

Role of karyotypic variability in physiologic race structure of fungi. Dr. Dallas Mills, Botany and Plant Pathology, Oregon State Univ., in 365 Borlaug Hall at 1:00 p.m.

Forest Resources Seminar

Hydrologic linkages between uplands and peatlands. Dawn Kreft in 100 Nat. Resources at 3:00 p.m.

Soil Science Seminar

Strategies for developing mass screening methods for determining the tolerance of rice to low soil Zn & P. Calvin L. Trostle in 375 Borlaug Hall at 3:00 p.m.

TUESDAY

Feb. 12

Plant Biological Colloquium

Response of plant cytoskeletal elements to freezing. John Carter in 335 Borlaug Hall at 4:00 p.m.

WEDNES.

Feb. 13

Agronomy Seminar

Morphological and physiological changes in alfalfa in response to potato leafhopper (*Empoasca fabae*) feeding. Tony Juan in 306 Borlaug Hall at 4:00 p.m.

Ecology Seminars

Comparisons of geographic patterns of genetic variation for different traits in white spruce. Dr. Glenn Furnier in 313 Zoology at 3:30 p.m.

FRIDAY

Feb. 15

Faculty Colloquium

Weed management and environmental quality. Doug Buhler in 306 Borlaug Hall at 12:00 .

FROM THE MAILROOM

We have received an item of mail addressed to "Dept. Hood", would the person who is going by this title please let us know so that we can sort the mail properly. Thank you.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Asst. Prof., (Soil Chemist/Biochemist), South Dakota State U, Brookings, SD.

- Asst. or Assoc. Prof., (crop science with emphasis is crop physiology and/or crop production, Texas A&M, Uvalde, TX.

- Asst. State Program Leader - Ag./Agribusiness, Cooperative Extension, Univ. of Wisconsin, Madison, WI.

- Biological Technician (Plants), USDA-ARS, Aberdeen, Idaho.

- Regional Plant Production and Protection Officer, FAO, Bangkok, Thailand.

- Assoc. Vice President for Information Systems, U of M Libraries, Mpls., MN.

MCIA GET ACQUAINTED MEETING

Minnesota Crop Improvement Board of Directors will hold a Get Acquainted Meeting on Tuesday, March 19, starting in 306 Borlaug Hall. MCIA invites interested faculty to attend and get better acquainted and to exchange information. The agenda includes presentations on: Biotechnology research presented by Agronomy and Plant Genetics; RFLP technology presented by Plant Pathology; and Water quality presented by Soil Science. The program will start at 1:00 p.m. Mark your calendar and watch for further details.

HAYES AWARD WINNER

Brent Delzer has been chosen as this year's recipient of the H.K. Hayes Graduate Student Award for his achievements in scholarship, research, and leadership. The award will be presented at the Hayes Memorial Lecture this spring. Congratulations Brent!

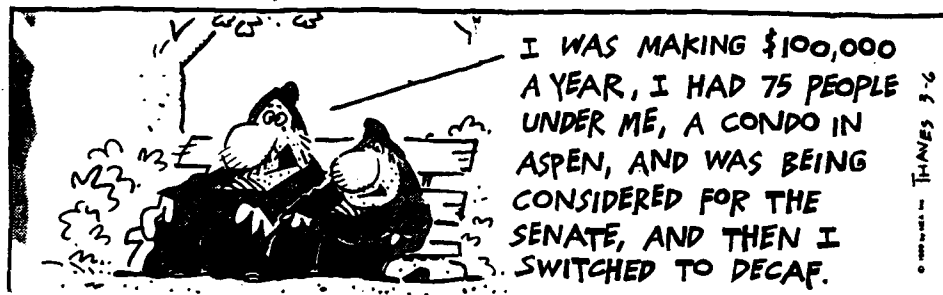
SAVE PRINTER RIBBONS

Remember to save old printer or typewriter ribbons for Tom Warnke. Bring them to 411 Borlaug Hall and we'll put them into Tom's mailbox. Thanks.

FERTILIZER ORDERS

I will be ordering fertilizer for use on the St. Paul Campus on Friday, February 15. Anyone needing a special analysis, or exceptional quantities should let me know by the 15th. If there is no response I will order the same quantity and analysis as last year. Tom Warnke

Frank & Ernest by Bob Thaves



Agronomy Gleanings

February 18, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

GRAD CLUB SOUP LINE

The Grad Club will hold their annual charity fund raiser on Tuesday, February 19 from noon-1:00 p.m. in 306 Borlaug Hall. They will provide delicious homemade soups (12 different varieties) for a donation of \$2.00. Proceeds will be given to one of the local food shelves. Plan to attend!

CONGRATULATIONS TO BRUCE

Bruce Maxwell received an award for Outstanding Paper in Weed Technology from the Weed Science Society of America at the meetings in Louisville. Congratulations Bruce.

NEXT FACULTY MEETING

The next faculty meeting is scheduled for Monday, February 25 at 8:00 a.m. in 306 Borlaug Hall.

GAS CHROMATOGRAPH AVAILABLE

Dr. Steve Gantt in Plant Biology has a gas chromatograph for adoption, if anyone is interested please call him at 5-4763.

SAFETY NOTE

Remember - If you are in a greenhouse bay, lab, etc., where a fluorescent lamp ballast, suspected to contain PCB's has broken, leaked and/or smoked, the area should be vacated for 24 hours. Get the fixture disconnected from power by unplugging or tripping the controlling circuit breaker and get out. The first 3 hours in the area could equal chronic exposure to PCB's for 3 years! When you have a ballast which has leaked call Dick Elgaard at 624-2288 and he will order the ballast replaced by a properly protected electrician and the area cleaned with the correct solvent. If you don't, you may be allowing chronic exposure to yourself and those who work there. Supervisors: Please make sure your technicians and students are aware of this.

OIL CHANGES FOR U VEHICLES

The Fleet Service garage on the Minneapolis Campus is now offering a quick oil change service for U of M vehicles. They ask that we call ahead for an appointment. The service includes oil, lube, and oil filter for \$22.95 while you wait. We can use their car wash also after the oil change. For an appointment call Dan Zens at 5-8717.

GUEST HOUSING

The U of M will once again offer short-term residence hall accommodations for summer visitors with University-related business or activities, June 11 through September 7. Contact Bailey Hall at 4-3439; Centennial Hall at 6-1660; Comstock Hall at 4-3197; or Middlebrook Hall at 5-4570.

POP MACHINE IN CROPS RESEARCH

A pop machine was delivered last week to the new lounge area in room 17 Crops Research Building. (Remember to recycle your pop cans.) A refrigerator and microwave oven have also been added. So stop by and check it out.

POSTAGE ON LARGE ENVELOPES

Please note: When mailing a large envelope, if it is under 1 oz, it needs 10¢ additional postage because of the size. It will be returned by the Post Office for additional postage. Also, please be sure you put **FIRST CLASS MAIL ONLY** in the green bag in the mail room.

REPORT ON LIBERAL EDUCATION

We have received copies of the Draft Report of the Twin Cities Campus Task Force on Liberal Education. Check with Lynne in 411 Borlaug Hall if you would like to see a copy.

THANK YOU

Thank you for the gift of flowers. We appreciate your expression of sympathy.
Harlan Ford family

DEMONSTRATION OF EXCEL

There will be an informal demonstration of the newest version of Microsoft Excel at noon on Tuesday, February 19 in McNeal Hall 305. Call 624-5367 to register.

FOOD SERVICE DURING BREAK

The Cherrywood Room will be closed for lunch service from Monday, March 18 to Friday, March 22 for spring break and for construction. The Terrace Cafe will be open from 7:00 a.m to 2:30 pm during break week.

PMGI WORKSHOP ON HETEROSIS

The Plant Molecular Genetics Institute at the U of M will hold a workshop on Molecular Basis of Heterosis in Plants, March 19-20, in 335 Borlaug Hall. Check the bulletin board for details.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Asst. Prof. of Soil Chemistry, New Mexico State Univ., Dept. of Agron. and Hort., Las Cruces, NM.
- MSEA/State Education Coordinator, (evaluate impacts farming systems on water quality, and encourage crop and livestock producers to adopt integrated farm management system to reduce erosion and pollution), Iowa State Univ., Ames, IA.
- Research Agronomist, USDA-ARS, Southern Plains Area, Weslaco, TX.
- Physical or Biological Scientists to teach introductory science courses in General College, U of M, Minneapolis, MN.
- Area Extension Agent (Plant Science), Golden Plains Area, Wray, CO.
- Agricultural Agent, Adams County, Wisconsin Extension Service, Madison.
- Asst. Prof., Soil and Nutrient Management, U of M, Lamberton, MN.
- Fellow/Senior Fellow in Agriculture, Environment and Food Safety Program, Nat'l. Center for Food and Ag. Policy, Washington, DC.
- Sunflower Breeder Assistant, Garst Seed Company, Kindred, ND.
- Assistant Manager at a Corn Breeding Station for Dekalb Plant Genetics in Washington, IN. B.S. or M.S. level.
- Postdoc- Plant Physiologist, USDA-ARS, Northern Plains Area, Fort Collins, CO.
- Asst. Prof. Biology, Dept. of Biology-Geosciences at West Texas State Univ., Canyon, TX.
- Program Coordinator, Center for the Development of Technological Leadership, U of M, Minneapolis.

SEMINARS

MONDAY Feb. 18	<u>Plant Breeding Seminar</u> Perspectives on germplasm manipulation. Dr. Ralph Riley, Cambridge, England, in 306 Borlaug Hall at 4:00 p.m.
	<u>Plant Pathology Seminar</u> Stepatomyces Genetics Daqun Liu, in 365 Borlaug Hall at 3:00 p.m.
	<u>Soil Science Seminar</u> On the assessment of pesticide fate in the soil environment. H.H. Cheng in 375 Borlaug Hall at 3:00 p.m.
TUESDAY Feb. 19	<u>Plant Biological Colloquium</u> Diversity in <i>Senecio</i> (Asteraceae) in Mexico and Central America. Prof. Theodore M. Barkley, Kansas State Univ., in 335 Borlaug Hall at 4:00 p.m.
WEDNES. Feb. 20	<u>Agronomy Seminar</u> A case for case study in agriculture. Steve Simmons in 306 Borlaug Hall at 4:00 p.m.

AG COMMISSIONER TO SPEAK

Commissioner of Agriculture Elton R. Redalen is scheduled to discuss "How the Minnesota Extension Service and the Department of Agriculture Can Work Together on Programs in the 90s," at the March Agricultural In-Service program of the Minnesota Extension Service on March 19th at 9:00 a.m. in B35 Classroom Office Building. All research and teaching faculty on campus are invited to come and hear Commissioner Redalen and the session following on The 1990 Farm Bill.

PROPOSALS FOR ASRF GRANTS

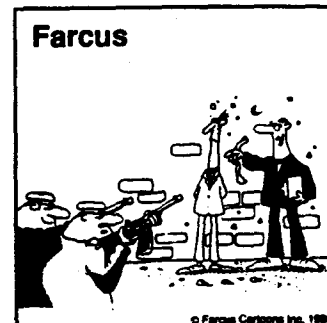
The American Seed Research Foundation is accepting proposals for research on seeds. The primary objective is to encourage research which explores the basic principles underlying why seeds behave as they do. ASRF grants are for three-year periods and are limited to \$10,000 per year. The deadline for proposals is April 5, 1991. See Avis in 411 Borlaug Hall for a copy of the instructions.

GRANTS

USDA/EPA Research and Education Grants, North Central Region, is now accepting preproposal for grants on: Agriculture in Concert with the Environment (ACE). Deadline is February 22, 1991. Check with Avis for details. EPA is also accepting proposals for grants on Identification and Evaluation of Biological Indicators of Terrestrial Ecosystem Stress. These proposals are due March 15, 1991.

U OF M SMALL GRANTS

The Office of the Vice President for Student Affairs is now accepting grant applications for small grants for community building on the Twin Cities campus. Two of the broad goals of this program include affirming the value of each member of the University community and offering opportunities for interaction among students, faculty and staff. Grants may be submitted by students, faculty or staff. Proposals could be for: advising programs, art events, speakers series, sports or recreational activities, conferences, social events, curricular initiatives, etc. They anticipate awarding up to 15 grants of \$500 to \$2,000. Check the bulletin board for details or call Mary Stieber at 626-1635 for a form.



After all Freemont... a deadline is a deadline.

Agronomy Gleanings

February 22, 1991

Miw
9 Aug 86

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

UNCLAIMED PACKAGES

There are four boxes from the U of M Storehouse in the Xerox Room (412) Borlaug Hall that have been there for a long time. If any of these items are yours please come and get them now. If they are not claimed within the next two weeks we will return them to the Storehouse or give them away to any project that wants them. The boxes contain:

1. Separatory funnels (500 ml) - quantity: 4
2. Buchner funnel (12 cm - internal diameter)
3. 2 - 2.5 kg. jars of ferrous sulfate
4. 6 clear glass funnels (90 mm)

MPLS. PHONE BOOKS

We have extra sets of Minneapolis White and Yellow Pages. If you want a set come and get them from the Xerox room.

SOUP LINE

The Soup Line was a big success. The Grad Club will contribute approximately \$150 to the food shelves. Thank you to all who participated.

DEPARTMENTAL COFFEE FOR MARCH

The next departmental coffee will be held on Tuesday, March 5 in the new lounge area of Crop Research (room 17 - downstairs) at 9:30 a.m. Plan to come and check out the new lounge.

DONATIONS FOR NURSERY SCHOOL

This quarter I am taking a nursery school curriculum class. As a service project we are helping set up and organize a daycare center. I am on the Performing Arts Committee for the 5-yr old class, and we are looking for the following used items: rhythm instruments, books (art, music, dancing), posters or pictures (art, music, dancing), mobiles or sculpture, records (music or stories), anything "artsy." If anyone has anything they could donate, please call me (5-4258), or bring your donation to my office (Rm 217 Agronomy) by March 4. Your donations are tax deductible. Thank you! Becky Petro

ENDOWED CHAIR INTERVIEWS

The first candidate, Dr. Henry Nguyen from Texas Tech, for the Endowed Chair in Molecular Genetics Applied to Crop Improvement position in our department will be here for interviewing on February 28-March 1. He will be meet with various groups throughout these days and will present a seminar on February 28 at 11:00 a.m. in 306 Borlaug Hall, "Molecular Genetic Strategies for Cereal Crop Improvement in Stress Environments." There will also be a reception for Dr. Nguyen on February 28 from 4:30-6:00 in 306 Borlaug Hall. If you would like to see a complete schedule for the interviews check at the main desk in 411 Borlaug Hall.

ORTTA IS MOVING

The U of M Office of Research and Technology Transfer Administration (ORTTA) (the people who administer all our grants) is moving their office from 1919 University to the Minnesota Supercomputer Center, 1100 Washington Avenue on March 15, 1991. As of this date, all proposals and other documents and mail should be dropped off or sent to the new address:

1100 Washington Avenue South
Suite 201
Minneapolis, MN 55415

The move will reunite all ORTTA staff under one roof. This includes the Division of Grants and Contracts, the Division of Accounting and Financial Management, the Division of Information Services, the Committee on the Use of Human Subjects in Research, and the Office of Patents and Licensing. Visitor and drop-off parking space will be available in front of the building.

WHEAT COUNCIL PROPOSALS

The Minnesota Wheat Research and Promotion Council will meet March 15th to consider continued and new funding for research and education efforts which will improve the management, marketing and/or profitability of Minnesota wheat. Proposals are to be submitted to Dave Torgerson, Executive Director of the Minnesota Wheat Research and Promotion Council, Box 189, Red Lake Falls, MN 56750.

DO NOT USE F STAMPS FOR INT'L MAIL

You can not use the F Stamps (red tulips) for International Mail. They are a temporary stamp for domestic use (in USA) only. Also, the postage rate for 1st class for Mexico and Canada has changed. Mexico is \$.35 for the 1st 1/2 oz. and \$.10 for each additional 1/2 oz. Canada is \$.40 for 1 oz.

INT'L CONFERENCE IN OHIO

The International Conference on Agriculture and the Environment which was to be held in Columbus, Ohio, March 11-14 has been postponed until November 1991 because of the current restrictions on international travel. If you have already registered they will transfer your registration to November or refund your money.

SCHOLARSHIPS FOR WOMEN

The Minnesota Women's Center is now accepting applications for the Carol E. Macpherson Memorial Scholarship. These privately funded scholarships are intended for re-entry women (gap of 5 years in your education, admissible to a degree program in the U of M system, 28 yrs of age or older). For application materials call 625-2874 or stop by Room 5 Eddy Hall.

PESTICIDE LICENSES

All departmental faculty, civil service, post docs and students who are applying pesticides in greenhouses, growth chambers and fields are now required to obtain a 1991 Minnesota Pesticide Applicators License. Tom Warnke has study books available. If you are planning on applying pesticides in the field this growing season, now is the time to get your license.

FANS WILL BE SHUT OFF AT NIGHT

As a means of energy savings the operation of major air handling fans in University buildings shall begin at 6:30 a.m. and cease at 6:30 p.m. (9:30 p.m. in buildings used for Extension classes) on days when the buildings are occupied (generally Monday through Friday). They will not be operated when the buildings are unoccupied. This policy will not be applied when the outdoor temperature during the day exceeds 85°F or falls below -10°F.

WINTER QUARTER FACULTY ASSEMBLY

Winter Quarter Faculty Assembly for COA faculty will be held Wednesday, March 13 from 10:00-12:00 in 335 Borlaug. Coffee hour will start at 9:30 a.m.

FOUND

We have a silver pierced earring, shaped like a feather, which was found in front of the Agronomy Building. We also have a pair of men's black gloves. Stop by the main desk in 411 Borlaug Hall to claim.

DEATH

Dr. Ernie R. Sears, wheat cytogeneticist with USDA in Missouri for many years died on February 14. He was 80 years old.

FULBRIGHT SCHOLAR PROGRAM

Faculty we have received information on the Fulbright Scholar Program for 1992-93. U.S. faculty (any level from Asst. Prof. to Emeriti) and professionals can receive grants to lecture, or conduct research in foreign countries for periods ranging from two months to one year. Check the bulletin board for more information.

CIVIL SERVICE AWARDS

The Department of Agronomy Civil Service Awards Ceremony is scheduled for Thursday, March 14th at 9:30 a.m. in 306 Borlaug Hall. Refreshments will be served. Plan to attend.

NEW HEALTH CARE PLAN FOR 1992

There will be an Employee Benefits Open Forum for all employees covered by University Health Insurance on February 28, noon to 1:30 p.m. in the St. Paul Student Center Theater to discuss the Proposed Health Care Plan for 1992. This is your opportunity to learn about the new program and ask questions, raise concerns, or make comments.

GRAD CLUB POTLUCK

All Grad Students and their family and friends are invited to the annual Grad Club Potluck. The potluck will be on Saturday, March 2 at 6:00 p.m. in 306 Borlaug Hall. Pop and dinnerware will be provided. Everyone is invited to bring a dish to pass and expect to have a lot of fun.

SEMINARS

MONDAY

Feb. 25

Plant Breeding Seminar

Breeding quality protein maize.

Bill Rooney in 306 Borlaug Hall at 4:00 p.m.

Biological Forum Seminar

Maintaining a good academic atmosphere at the U of M.

Leonard Kuhl, VP of Academic Affairs, in 306 Borlaug Hall at 7:30 p.m.

Weed Science Discussion

Mapping the sethoxydim-tolerance trait in *Zea mays* using RFLP markers.

Kevin Van Dee in 408 Agronomy at noon.

Plant Pathology Seminar

Karyotypic analysis of the rust fungus (*Puccinia graminis* f. sp. *tritici*),

Eric Boehm and Jan Backlund in 365 Borlaug Hall at 3:00 p.m.

Soil Science Seminar

Problems with the use of the mixed mineralogy family class of soil taxonomy, by Sara

Gruenhagen, and Methods of sampling the soil

solution, by Peter Bierman in 375 Borlaug at 3:00 p.m.

Plant Biological Colloquium

DNA movies: light microscopy of DNA/Ethidium.

Prof. Arnold J. Bendich, Univ. of Washington, in 335 Borlaug at 4:00 p.m.

TUESDAY

Feb. 26

WEDNES.

Feb. 27

Agronomy Seminar

Title pending. Kathy Horgan in 306 Borlaug Hall at 4:00 p.m.

FRIDAY

Mar. 1

Faculty Colloquium

One hypothesis for increasing the sustainability of annual agriculture in Minnesota.

Bruce Maxwell in 306 Borlaug Hall at noon.

UNDERGRAD BANQUET

The Undergraduate Banquet for 1991 is scheduled for Tuesday, April 2, 6:00-9:00 p.m. Mark your calendars.

M/W
9 Aug 86

Agronomy Gleanings

March 5, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

WEDIN HOSPITALIZED

Walt Wedin was hospitalized last week to undergo surgery on his knee. Flowers were sent by the Flower and Gift Committee. Dr. Wedin is doing well and is at home recovering.

TERESA GRUBER SENDS GREETINGS

Teresa Gruber, Ph.D. 1987, sends greetings to her friends in the department. She is currently working as a congressional aid of Agriculture, Transportation, and Trade to Congressman Sarpolius from Texas, district 13, in Washington, D.C.

RECEPTION FOR RICHARD JONES

There will be a reception for Dean Richard Jones on Thursday, March 7 from 3:30-5:30 p.m. in the Northstar Ballroom. Dr. Jones will give the "State of the College" address at 4:00 p.m.

FACULTY ASSEMBLY MEETING

A Faculty Assembly for faculty in the College of Agriculture is scheduled for Wednesday, March 13. Coffee hour is at 9:00 a.m. and the assemble follows from 10-noon. in 335 Borlaug Hall.

WINTER QUARTER ENROLLMENT

Enrollment in the College of Agriculture for Winter quarter 1991 is 770. This is a 13% increase from Winter 1990 (680). It is a 2.5% increase from Fall 1990 (751). This is the first time in 10 years that enrollment has increased from Fall to Winter quarter.

LAND REQUESTS FOR ST. PAUL

Projects needing plot space on the St. Paul Campus that don't have permanently assigned space should get their requests to me, in writing, by Friday, March 15th. Please include details concerning dimensions needed, length of time of study, expected planting and harvest dates, fertilizer, and herbicide requirements. Include a basic explanation of the study.

Thanks, Tom Warnke.

WORKSHOP ON HETEROSIS

There will be a workshop on "Molecular Basis of Heterosis in Plants" on March 19-20, 1991 in 335 Borlaug Hall. There is no registration required.

SEMINARS

TUESDAY Plant Biology Colloquium
Mar 5 DNA sequence evolution in plants.

Dr. Mike Clegg, Dept. of Botany, Univ. of Calif., in 335 Borlaug Hall at 4 p.m.

WEDNES Agronomy Seminar
Mar 6 Regulation of kernel development in maize.

Robert Jones in 306 Borlaug Hall at 4 p.m.

THURSDAY Chair candidate seminar
Mar 7 Designing crops with improved drought tolerance;

analysis of genes responsive to abscisic acid, jasmonic acid and cell turgor.

Dr. John Mullet, Texas A&M Univ., in 306 Borlaug Hall at 11:00 a.m.

Plant Breeding Discussion
Marker assisted plant breeding.

Dr. Marlin Edwards, Pillsbury/Green Giant, in 306 Borlaug at 7:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Extension Water Quality Specialist (Ph.D.), Univ. of Maine Cooperative Extension, Orono, ME.

- Visiting Asst./Assoc. Prof., Soil Science Dept., North Carolina State Univ., Raleigh, NC.

- Post-doc Associate, Nitrogen Management/Water Quality, Univ. of Georgia, Dept. of Agronomy, Griffin, GA.

- Internships in tropical small farm ag and gardening farms. ECHO, North Fort Myers, FL.

- Asst. Prof. of Agronomy (weed management strategies for cereal cropping systems), Northwestern Ag. Res. Center, Montana State Univ., Bozeman, MT.

- Postdoc-Plant Physiologist/Plant Geneticist, USDA-ARS, Fort Collins, CO.

- Postdoc Associate, Nitrogen Management/Water Quality, Agronomy Dept., Georgia Ag. Exp. Station, Griffin, GA.

- Dept. Head, Dept. of Agriculture, Prairie View A&M Univ., Prairie View, TX.

This is National Chocolate Week!!!

Agronomy Gleanings

March 11, 1991

miw
9Ag 862

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

HOLIDAY SCHEDULE FOR 1991-92

Mark your calendars, the following University holiday schedule has been approved for Civil Service Staff on the Twin Cities campus for 1991-92.

Memorial Day (1991)- May 27 (Monday)
Independence Day - July 4 (Thursday)
Labor Day - Sept. 2 (Monday)
Thanksgiving - Nov. 28 & 29
Christmas - Dec. 23, 24, 25
New Years' Day - Jan. 1 (Wednes.)
Martin Luther King - Jan. 20 (Monday)
Memorial Day (1992)- May 25 (Monday)
The eleventh holiday has been designated a personal holiday for 1991-92.

QUARTER ENDS

The last day for Winter Quarter is Tuesday, March 12. Final exams will be March 13-18. Spring Quarter classes begin Monday, March 25. Last day for Spring Quarter classes is Friday, May 31 with final exams June 3-8.

ASA & CSSA AWARD NOMINATIONS

Nominations for awards in ASA or CSSA are due to the societies by March 18, 1991. So get them in the mail this week.

NEW OFFICERS

The Gopher Crops and Soils Club held elections for new officers for 1991-92: President - Bob Koltes; Vice President - Kelly Smith; Treasurer - Todd Frank; Recording Secretary - Dawn Wyse; Corresponding Secretary - Curt Burns; Crops Kits - Todd Robran.

TICKETS FOR UNDERGRAD BANQUET

Tickets are now on sale for the Undergraduate Banquet, April 2, in the Belgium Room of the Earle Brown Center, 5:30 reception, 6:30 dinner. Purchase tickets from Pat in 302 Agronomy or at the front desk in Agronomy (411 Borlaug). The price of tickets is \$8 for staff, faculty, parents; \$4 for students. Purchase tickets by March 29. Thank you.

WOMEN IN AGRICULTURE MEETING

The Women in Agriculture group will meet in 306 Borlaug Hall at noon, Tuesday, March 12. They will discuss issues to address at future meetings, as well as the grant proposal submitted by the group to conduct a survey of women in science at the University. Everyone is welcome.

PHONE NUMBER FOR PAM

Pam Altermatt now has voice mail on her phone (625-6756). Pam works with Tom Warnke and is responsible for questions or problems with the greenhouses, watering, spraying, soil needs, etc. Her hours are 9:00-3:30 M-F.

THANK YOU

I much appreciated the beautiful Kolanchoe plant sent by the Agronomy Department. I am now at home and doing well. Walt Wedin

LUPIN SYMPOSIUM

The Center for Alternative Plant and Animal Products is sponsoring a Lupin Symposium in St. Paul, March 21-22, 1991. There will be a special registration rate for graduate students (and possibly for faculty). Call Judy Sunvold at 625-3775 for more information. The symposium will be held at the Ramada Hotel in St. Paul.

CROP SCIENCE JOURNALS FOR FREE

Would anyone like to have some Crop Science Journals from March 1981 through October 1985? Please check with Vicky in 403 Agronomy.

RESEARCH SUPPORT FROM NSF

We have received a brochure from the National Science Foundation, Directorate for Biological, Behavioral, and Soil Sciences (BBS) that provides a brief summary of the kinds of research support available within BBS. Some areas of research in the BBS include, ecology, ecosystem studies, cell biology, genetics, etc. They also provide fellowships for minority postdoctoral research, grants for improving doctoral dissertation research, postdoc fellowships, mid-career fellowships, etc. They also offer support for undergrad institutions and/or students in science, programs for women in science, programs for minorities in science, and the Presidential Young Investigator awards. Check with Lynne in 411 Borlaug Hall if you would like to see this brochure.

GLOVES FOUND

I have two pairs of men's black gloves that have been found. If you have lost your gloves please check in the main office (411 Borlaug Hall).

SEARS/LONGWELL FELLOWSHIP

Dr. Ernest Sears died on Friday, February 15. Dr. Sears was a well-known geneticist at the University of Missouri. Anyone who would like to send a memorial for Dr. Sears may consider a contribution to the Sears/Longwell Graduate Scholarship Fund in the Department of Agronomy at the University of Missouri. This fund has been in existence for some time and has helped many graduate students.

SEMINARS

MONDAY

Mar 11

Plant Breeding Seminar

Haploid production via crosses in cereals.

Khurshid Ahmed, 306

Borlaug Hall at 4:00 p.m.

Weed Science Discussion

Response-surface modeling of the effects of weeds on crop yield.

Dan Pantone, USDA-ARS, Morris, MN, in 408

Agronomy at 12:00 noon.

Soil Science Seminar

A landscape perspective of ephemeral erosion: topographic parameters associated with patterns of soil properties, soil productivity, and precipitation.

Rick Lentz, Ph.D.

candidate, in 375 Borlaug Hall at 12:15 p.m.

Forest Resources Seminar

SWAST: The subsurface water and solute transport model.

John Nieber in 100 Nat. Resources at 3:00 p.m.

Plant Biology Symposium

Nitrogen nutrition of *Schizophyllum commune*.

Prof. Walt W. Lilly

(Southeast Missouri State Univ.), 335 Borlaug Hall at 4:00 p.m.

TUESDAY

Mar 12

PMGI Seminar

Mitochondrial DNA organization and expression of S-type cytoplasmic male sterile maize.

Christine Nebiolo, in 306 Borlaug Hall at 12:00 noon.

MONDAY

Mar 18

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Research Geneticist, USDA-ARS, U.S. Vegetable Lab, Charleston, SC.

- Dept. Head, Plant Sciences Dept., South Dakota State Univ., Brookings, SD.

- Sr. Program Officer, Agricultural Institutions, Winrock International, Morrilton, AR.

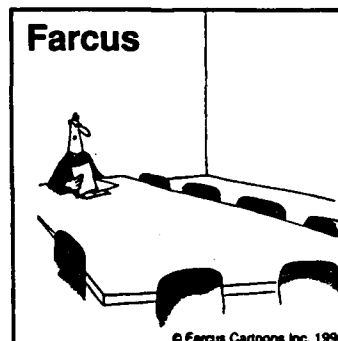
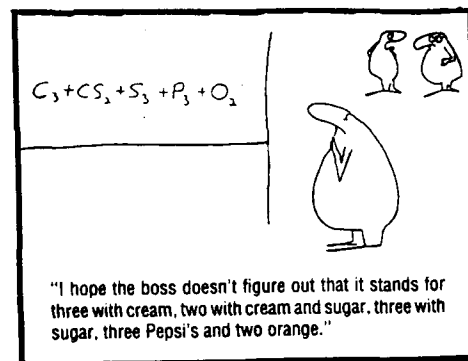
- Sr. Program Officer, Sustainable Ag. Systems, Winrock International, Morrilton, AR.

- Research Assistant/Associate, DeKalb Plant Genetics, B.S. or M.S. level, Washington, IN.

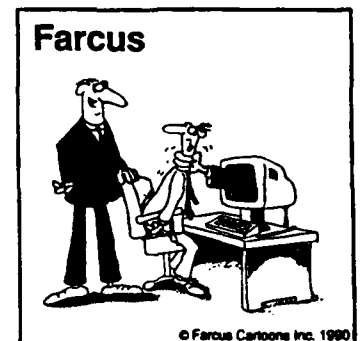
- Soil Scientist for assignment in Cambodia, Int'l. Rice Research Institute.

- Postdoc fellowship for women in rice farming systems program, Int'l. Rice Research Institute, Manila, Philippines.

- Water Quality Specialist, North Dakota State Univ., NDSU Extension Service, Fargo, ND.



... and now I'd like to discuss our absenteeism problem.



It's our new computer security system!

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEW PEOPLE

We have three new graduate students in our department. Please welcome **Mauro Teixeira**. Mauro will be working toward the Ph.D. with Robert Jones on the Corn Physiology project. Mauro is from Brazil. His office is 413 Agronomy. Welcome to **Dennis Dolan**. Dennis recently completed the M.S. at NDSU. He will be working toward the Ph.D. with Deon Stuthman on the Oat Breeding Project. His office is 306 Agronomy. Also, welcome to **Dave Pazdernik**. Dave also received his M.S. from NDSU and will be working toward the Ph.D. with Jim Orf on the Soybean Breeding Project. He is in 306 Agronomy.

HILL VISITING PROFESSOR

Please welcome Dr. Hartwig Geiger to the department. Dr. Geiger is a Hill Visiting Professor with the Plant Breeding Graduate Program and will be with us for 3 months. Dr. Geiger is from Universitat Hohenheim in Stuttgart, West Germany. He will be giving a series of lectures and having discussions with the faculty while he is here. He is officed in 305 Agronomy, phone number 5-8799.

CONGRATULATIONS TO DAVE RABAS

Dave Rabas has accepted the position of Superintendent of the North Central Experiment Station at Grand Rapids, Minnesota, effective April 1, 1991. Dave is currently an agronomist at the North Central Experiment Station.

INTERIM HEAD OF ENTOMOLOGY

Mark Ascerno has agreed to serve as Interim Head of the Department of Entomology.

PARKING RATES WILL INCREASE

Parking rates on campus will increase as of July 1, 1991. The fairgrounds lot will go from the current rate of \$.55 to \$.75. The \$.80 near the Agronomy Building will go up to \$1.00 per day.

CLEAN UP YOUR DISHES

If you use the sinks in the kitchen areas (408 Agronomy or 302 Borlaug) please make sure you clean up your own dishes immediately. Do not leave a mess behind for someone else to clean up. Also, please discard any old lunches or food that you may have left in the refrigerators. Thank you for your courtesy.

CO-REC VOLLEYBALL

Anyone interested in playing Intramural Co-Rec Volleyball? Games will be played Sunday nights, starting in April. See Steve Plehn if you are interested or just show up for practice at the St. Paul Campus Gym on Tuesday nights at 5:00. We need more women to join us if we are going to field a team.

MCIA GET ACQUAINTED MEETING

Minnesota Crop Improvement Association invites interested faculty to attend and get better acquainted and to exchange information at a meeting on Tuesday, March 19, starting in 306 Borlaug Hall. The agenda includes presentations on: Biotechnology research presented by Agronomy; RFLP technology presented by Plant Pathology; and Water Quality presented by Soil Science. The program will start at 1:00 p.m. with tours of the research facilities following. Plan to attend.

AGRONOMY FISHING TRIP

The annual Agronomy Department fishing trip has been scheduled for June 7-9 on Lake Mary near Alexandria. There are only four 2-bedroom cabins and one 2-bedroom mobile home that are currently available for this weekend, although campers should have ample space. You should have received more information in your mail box. Reservations should be made with Donn Vellekson as soon as possible. The cabins will go fast.

NEW BABY

Congratulations to Brett and Deanne Bussler on the birth of a baby boy, Weston Woodrow, on March 12. Brett is a graduate student with Don Wyse. A U of M sweatshirt was provided by the Flower and Gift Committee.

TICKETS FOR UNDERGRAD BANQUET

Tickets are now on sale for the Undergraduate Banquet, April 2, in the Belgium Room of the Earle Brown Center, 5:30 reception, 6:30 dinner. Purchase tickets from Pat in 302 Agronomy or at the front desk in Agronomy (411 Borlaug). The price of tickets is \$8 for staff, faculty, parents; \$4 for students. Purchase tickets by March 29. Thank you.

SAVE BOXES FOR UNDERGRADS

The Gopher Crops and Soils Club would like to get small, empty cardboard boxes to use to mail crops kit orders. Please bring them to the Agronomy undergrad room on the first floor of the Agronomy Building. Thank you.

BURNHAM AT NEW LOCATION

Dr. Burnham is now living at the Golden Age Health Care Center, 1415 West County Road B., Roseville.

PROF. DEVELOPMENT WORKSHOP

Graduate Students: Mark your calendars! The Department of Agronomy Professional Development Workshop will be held April 6th at 9:30 a.m. in Room 306 Borlaug Hall. The cost will be \$3.00 to cover lunch and refreshments. Please plan to attend. More details will be coming.

CONSERVATION SCHOLARSHIPS

We have received information about scholarships for grad and undergrad students available through the Soil and Water Conservation Society. Check the bulletin board for details. Application deadline is April 1.

CONSTRUCTION NEXT TO BORLAUG

Construction is scheduled to begin on the new Ecology Building next to Borlaug Hall (where Palmer Classroom Building currently stands) sometime in the middle of May. Heavy vibrations may be a problem during the construction period. Please let us know about any problems you anticipate with lab equipment use during this period. The construction people will try to schedule the heaviest work after hours. Kent Crookston

COMPUTER PROPOSALS

The Minnesota Supercomputer Institute is now accepting grant proposals for computer time on their supercomputers. Check the bulletin board for more information. The deadline for July 1, 1991 is April 15. The next deadline after that is October 15, 1991 for the Jan 1-June 30, 1992 period.

LUPIN SYMPOSIUM

The Center for Alternative Plant and Animal Products is sponsoring a Lupin Symposium in St. Paul, March 21-22, 1991. There will be a special registration rate for graduate students (and possibly for faculty). Call Judy Sunvold at 625-3775 for more information. The symposium will be held at the Ramada Hotel in St. Paul.

ENDOWED CHAIR SEMINARS

Monday, March 25, 11 a.m. - 12 p.m. in 306 Borlaug Hall, Robert Goodman will discuss "Shifting paradigms in agriculture and implications for molecular approaches to crop improvement."

Wednesday, April 3, 11 a.m. - 12 p.m. in 306 Borlaug Hall, Illimar Altosaar will discuss "The message is the medium: controlling translation of messenger RNA in crop tissues."

CONGRATULATIONS AVIS

Avis Kunkel was the recipient of the 1991 Civil Service Excellence Award at a ceremony on Thursday, March 14. The award was presented to Avis by Kent Crookston with speeches by Laddie Elling and Orvin Burnside. Doug Miller received a longevity award for 5 years and Kevin Betts, Pat Kessler and Sue Miller received them for 10 years of service. Thank you to the Civil Service Liaison Committee for all their work in planning and presenting the Awards Ceremony.

THANK YOU FROM AVIS

To Department Personnel: The award and recognition is much appreciated. This is a "Great Department." Avis

HEIRLOOM SEED EXCHANGE

The Minnesota Historical Society's Oliver H. Kelley Farm will present its Tenth Annual Heirloom Seed Exchange on Sunday, March 24, from 2:00 until 4:00 p.m. At 2:00 p.m., Glenn Drowns of Calmus, Iowa, will talk on his heirloom gardening and seed saving activities in his gardens and with the Seed Savers Exchange. The Kelley Farm staff will present their Historical Gardening program for the upcoming season and lead a seed exchange. Bring samples of your favorite heirloom varieties to share and exchange. Seed samples from the Kelley Farm will be available. The Kelley Farm is 2 1/2 miles SE of Elk River on U.S. Highway 10.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Superintendent, Lancaster Ag. Research Station, Lancaster, WI.
- Coordinator of International Programs - Asst. Dean, North Carolina State Univ., Raleigh, NC.
- Agricultural Agent, Douglas, Sawyer and Washburn Counties, Univ. of Wisconsin, Cooperative Extension, Spooner, WI.
- Director General, Int'l. Food Policy Research Institute, Washington, D.C.
- Extension Agent - Agriculture, Kent County, Delaware, Dover, DE.
- Research Geneticist - maize, USDA-ARS, Ames, IA.
- Asst. Prof., Plant Breeding - forage legumes, Iowa State Univ., Ames, IA.
- Asst. Prof., Ag. Meteorology, Iowa State University, Ames, IA.
- Asst./Assoc. Prof. of Agronomy, Soil Chemistry, Iowa State Univ., Ames, IA.
- Asst. Prof., Soil Fertility, Iowa State Univ., Ames, IA.
- Asst./Assoc. Prof. Forage Physiology-utilization, Iowa State Univ., Ames, IA.



Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

THANK YOU

I much appreciated being remembered by the colorful pot of various spring flowers sent by the Department. After 10 days in the hospital and a week at home, it will feel good to be back next week. A special thanks to all who helped cover my responsibilities while I was out.

Howard Rines

TICKETS FOR UNDERGRAD BANQUET

Tickets are now on sale for the Undergraduate Banquet, April 2, in the Belgium Room of the Earle Brown Center, 5:30 reception, 6:30 dinner. Purchase tickets from Pat in 302 Agronomy or at the front desk in Agronomy (411 Borlaug). The price of tickets is \$8 for staff, faculty, parents; \$4 for students. Purchase tickets by March 29. Thank you.

HAMM LECTURE 1991

Dr. Robert Goldberg from UCLA will be the Hamm Lecturer for 1991. He will discuss, "Gene Regulation in Higher Plants-Practical Uses in Agriculture." The reception starts at 3:30 p.m. in McNeal Lobby, followed by the lecture at 4:00 p.m. in Room 33 McNeal Hall on Wednesday, April 3. Anyone who would like to visit with Dr. Goldberg should contact Delores Huebner at 5-9226.

COMPUTER ROOM COMBINATION

The combination on the computer room will be changed on Monday, March 25. Stop by 411 Borlaug Hall for the new combination on Monday.

GREETINGS FROM ALUMNI

At the recent Plant Breeding Symposium in North Carolina Dr. Stuthman and Dr. Phillips met several former students (grad and undergrad) and past visiting scientists to our department who send greetings to everyone here; Fred Allen, U of Tennessee; Jim Anderson, Cornell; John Ayers, Penn State; Bob Baker, U of Saskatchewan; Geoff Brink, USDA, Mississippi; Roy Cantrell, New Mexico State; T.T. Chang, Int'l Rice Res. Inst., Philippines; Alan Grunst, Pioneer, Iowa; Lonnie Hester, NC+ Hybrids; Daryl Hexum, Growmark, Inc., IA; Richard Horsley, NDSU; Carlos Loffler, Pioneer, IA; Koy Miskin, AgriPro BioSciences, IN; Bill Niebur, Pioneer, France; Michael Pauly, Rogers NK Seed Co., ID; Thomas Payne, CIMMYT/Turkey; Gary Pederson, USDA, Mississippi; Bill Petersen, Monsanto; Wilfredo Salhuana, Pioneer, Florida; Mike Trimble, Pioneer, Indiana; Michael Wanous, U of Missouri.

CO-REC VOLLEYBALL

Anyone interested in playing Intramural Co-Rec Volleyball? Games will be played Sunday nights, starting in April. See Steve Plehn if you are interested or just show up for practice at the St. Paul Campus Gym on Tuesday nights at 5:00. We need more women to join us if we are going to field a team.

MINORITY SCHOLARS PROGRAM

The Minority Scholars Development Program at the U of M is now accepting applications from students for the Summer 1991 Undergraduate Research Development Program. The program runs for eight weeks during the summer. The goal of the program is to establish student/faculty relationships that initiate the student into the scholarly activities of the chosen discipline. Students receive a stipend and a research allowance. Please encourage minority students at the sophomore or junior level to apply. Also they are looking for faculty who would be interested in participating. Check the bulletin board for details.

CLEAN UP AFTER YOURSELF

We have been having a problem keeping the library clean. It has been noted particularly when students have been in the library. Please clean up after yourself. Return all journals and books to the shelves and throw away your trash. Thank you. Pat Kessler.

IRRIGATION CENTER REPORT

Mel Weins from the Irrigation Center at Staples, Minnesota, has given us a copy of the 1990 Annual Report from the Irrigation Center. If you would like to read this report please check with Lynne in 411 Borlaug Hall.

CONGRESSIONAL FELLOWS

ASA, CSSA, and SSSA are currently accepting applications for two positions in the Congressional Science Fellowship Program starting in September 1991. Applications will be accepted until the positions are filled with screening and selection starting in April 1991. Check the bulletin board for more info.

FIELD DAYS FOR 1991

Mark your calendars for Field Days at the Branch Stations, summer and fall:

<u>Waseca</u>	Tuesday, June 25 (Fall - Thursday, Sept. 12)
<u>Lamberton</u>	Wednesday, June 26 (Fall - Wednes., Sept. 11)
<u>Morris</u>	Thursday, July 11 (Fall - Tuesday, Sept. 10)
<u>Crookston</u>	Wednesday, July 17
<u>Grand Rapids</u>	Thursday, July 18

GORDON L. STARR AWARD

Nominations are being sought for the Gordon L. Starr Award. The Minnesota Student Association annually selects up to 20 faculty or staff members who have made a unique and significant contribution to student life on the Twin Cities Campus during the past year (April 1, 1990 to April 1, 1991). Check the bulletin board for information.

FOUND ITEMS

We have a brown leather mitten with a navy blue liner (right hand). We also have a pair of women's glasses. Please stop by 411 Borlaug Hall if these are yours.

SPECIAL SEMINAR IN APRIL

Mark your calendars now for a special plant breeding seminar in April, "Biotechnology for Maize Improvement," by Catherine J. Mackey from DeKalb Plant Genetics of Groton, Connecticut, on Wednesday, April 10 at 9:30 a.m. in 306 Borlaug Hall. Sponsored by PMGI.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Assistant Station Manager, Pioneer Hi-Bred Int'l., Inc., Algona, IA.
- Microbiologist, USDA-ARS, Molecular Pathology Res. Unit, Orient Point, NY.
- Ag. Research Technician (Plants), USDA-ARS, Mid South Area, Soybean Production, Stoneville, MS.
- Research Geneticist (Plants), USDA-ARS, Mid South Area, Tobacco and Forage Research Unit, Lexington, KY.
- Ag. Research Technician (Temporary), USDA-ARS, Soil and Water Management, U of M, St. Paul, MN.
- Associate Agronomist/Agronomist (Soybean Production Systems), Mississippi State Univ., Delta Research and Extension Center, Stoneville, MS.
- Vice President for Research and Dean of the Graduate School, U of M, Minneapolis, MN.
- Assistant to the Director of the President's Distinguished Faculty Mentor Program, U of M, Minneapolis.

STOREHOUSE OPEN HOUSE

University Stores will hold an Interim Open House of only scientific vendors on April 3 from 10 a.m.-4:30 p.m. at the Radisson Metrodome-University on Washington Avenue. 40+ vendors and numerous University departments with lab supporting services will have exhibition booths. Contact LPIS at 6-1813 for a complete listing.

OPEN HOUSE FOR EARL OLSON

Property Accounting is having an Open House honoring Earl Olson on his retirement after 25 years of service. The Open House will be March 28, 1991, 2-4 p.m. at the Administrative Service Center Cafeteria, 1991 University Avenue. Earl has been coming around our department for many years assigning inventory numbers to all of our equipment.

SEMINARS THIS WEEK

Monday
Mar 25

Endowed Chair Candidate

Shifting paradigms in agriculture and implications for molecular approaches to crop improvement.

Robert Goodman in 306 Borlaug Hall at 11:00 a.m.

Weed Science Discussion

Review of winter weed science extension programs.

Weed Science Extension Group from Agronomy in 408 Agronomy at noon.

Plant Breeding Seminar

The donor of the D-genome of wheat: potential for wheat improvement.

Leon van Beuningen in 306 Borlaug Hall at 4:00 p.m.

Biological Forum

Impact of agriculture on water quality.

Don Wyse in 306 Borlaug Hall at 7:30 p.m. Coffee before at 7:00 p.m.

Women in Agriculture

Kent Crookston - Agronomy, Phil Larsen - Plant Pathology, and H.H. Cheng - Soils will discuss their ideas and views of how their respective departments are addressing family/career issues at the Women in Agriculture meeting at noon in 491 Borlaug Hall. Everyone is welcome to attend.

Tues.
Mar 26

Wednes
Mar 27

M.S. Thesis Defense

Bradyrhizobium inoculation and N fertilizer effects on seed yield, seed protein, N₂-fixation, and nodulation in white lupin.

Kingsley Ayisi in 306 Borlaug Hall at 9:30 a.m.

Ph.D. Thesis Defense

Development of a core collection of alfalfa (*Medicago sativa*).

Daniel Basigalup in 408 Agronomy at 9:30 a.m.

Ph.D. Thesis Defense

Regulation of carbon and nitrogen assimilating enzymes in alfalfa root nodules.

Scott Twary in 306 Borlaug Hall at 1:30 p.m.

Plant Breeding Discussion

Quality traits in cereals. Dr. Gary Fulcher, Endowed Chair Professor from Food Science and Nutrition, at Deon Stuthman's home, 1885 Fernwood Street at 7:00 p.m.

Community Breakfast Club

Student empowerment: Ways to create change. (This is a chance for students to discuss issues important to students and the community). 8 a.m. in the Terrace ABC - St. Paul Student Center.

Thurs.
Mar. 28

Agronomy Gleanings

March 29, 1991

miw
9 Ag 862

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

SPRING CLEANING WEEK

Vice President Leonard Kuhl is coming to visit our department on April 16 so we are planning a spring cleaning week for the Department, April 8-12. Everyone should spend a 1/2-hour or so cleaning up their personnel space, the areas that the janitorial staff do not clean (desks, bookshelves, etc.). We will have cleaning supplies available in the main office, 411 Borlaug. Just stop by and pick them up anytime. We will also be cleaning out the refrigerators in 302 Borlaug and 408 Agronomy so take or mark anything that you want saved (anything not marked will be thrown out).

APRIL MONTHLY COFFEE

In conjunction with the clean up week we will hold the monthly department coffee on Monday, April 8 at 9:30 a.m. in the hallway outside 411 Borlaug Hall. Come and have coffee and treats and pick up some cleaning supplies at the same time.

FAREWELL COFFEE FOR DANIEL

Daniel Basigalup has successfully defended his Ph.D. thesis and will be returning to Argentina next week. We will hold a farewell coffee for Daniel on Tuesday, April 2 at 9:30 a.m. in 306 Borlaug Hall.

CONTACT THE DAILY WITH NEWS

If you have any news items you wish to have covered by the Minnesota Daily please call Sue Hamre at 625-6660 and she will come over and meet with you and take photos if necessary.

UNDERGRAD BANQUET

Remember the Undergraduate Banquet is scheduled for Tuesday, April 2, in the Belgium Room of the Earle Brown Center, 5:30 reception, 6:30 dinner. Purchase tickets from Pat in 302 Agronomy or at the front desk in Agronomy (411 Borlaug). The price of tickets is \$8 for staff, faculty, parents; \$4 for students. Purchase tickets by March 29. Thank you.

SAVE BOXES FOR UNDERGRADS

The Gopher Crops and Soils Club would like to get small, empty cardboard boxes to use to mail crops kit orders. Please bring them to the Agronomy undergrad room on the first floor of the Agronomy Building. Thank you.

Joke: An elderly couple, admitted by St. Peter through the pearly gates, found conditions there just heavenly. The man said to his wife, "I could have been here two years ago if you hadn't fed me all that oat bran."

DEPARTMENT CARS

The department vehicles that are signed out in room 408 Borlaug Hall, are going to be moved to the parking lot on the west side of the Crops Research Building for the summer months beginning, Monday, April 1. The Ford Ranger pickup, #3605 will again be available for signout on April 1st. Call Tom Warnke if you have any questions.

VISITING DR. BURNHAM

Dr. Burnham is doing well at the Golden Age Health Care Center, 1415 West County Road B and would welcome visitors. You can visit in the evenings.

PROFESSIONAL DEV. WORKSHOP

The graduate students in Agronomy and Plant Genetics are planning a Professional Development Workshop for Saturday, April 6, 9:30 a.m. to 2:30 p.m. in 306 Borlaug Hall. Speakers and topics include: James Ladlie, Agrigrowth Research, "The Importance of People Management Skills"; Keith Wharton, U of M, "Current Trends in U.S. Agricultural Institutions"; someone from the Center for Conflict and Change, "Dealing with Conflict in the Workplace"; Josh Arnold, Josh Arnold Investment Management, "Personal Financial Planning"; Jim Sentz, U of M, "Preparing for International Agriculture Experiences." There will be a sandwich buffet and drinks provided during the lunch break. Cost is \$3.00. Return your registration form to Tom Kladar by Wednesday, April 3rd.

DISSERTATION FELLOWSHIPS

Nominations for Graduate School Dissertation Fellowship are due Friday, May 3. To be eligible you must have completed the Ph.D. prelim oral exam by May 3 and all program course work by the end of the spring quarter. The award is supplemented by a 1/4-research assistantship and thus offers a financial advantage to you and to your project leader. Please tell Bob Stucker, DGS of Plant Breeding, or Craig Sheaffer, DGS of Agronomy, by April 15 if you would like to be considered. Each graduate program can nominate one person.



"What irritates me is that I chose lab work over being a housewife so that I wouldn't have to wash dishes."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Postdoctoral Research Associate, Louisiana State Univ. Ag. Center, Dept. of Agronomy, Baton Rouge, LA.
- Asst. Breeder - Dry Beans and Peas, Rogers NK Seeds Co., Nampa, ID.
- Population and Quantitative Genetics, Division of Biometry and Risk Assessment at the National Institute of Env. Health Science, Research Triangle Park, NC.
- Statistical Genetics, Dept. of Statistics, North Carolina State Univ., Raleigh, NC.
- Postdoctoral Quantitative Genetics at North Carolina State Univ., Raleigh, NC.
- Assoc. Director of Extension, Rutgers Cooperative Ext., New Brunswick, NJ.
- Area Extension Agent (Agronomy/Plant Pathology), Southeast Research/Extension Area, Lamar, Colorado.
- Research Associate in Agronomy, Dept. of Plant and Soil Science, Montana State Univ., Bozeman, MT.
- Seed Physiologist, The Flower Seed Group, a Division of Geo. J. Ball, Inc., in West Chicago, IL.

SEMINARS THIS WEEK

Monday April 1	Plant Breeding Seminar Standard errors of heritability estimates. David Gebhardt in 306 Borlaug Hall at 4:00 p.m.
	Forest Resources Seminar Persistence of Laccaria species as ectomycorrhizal symbionts of black spruce. Cindy Buschena in 203 Green Hall at 3:00 p.m.
Tuesday April 2	Project Revision Seminar Weed ecology in corn, soybeans, and small grains. Bruce Maxwell in 306 Borlaug Hall at noon.
Wednesday April 3	Endowed Chair Candidate The message is the medium: Controlling translation of messenger RNA in crop tissues. Illimar Altosaar, in 306 Borlaug Hall at 11:00 a.m.
Thursday April 4	Project Revision Seminar Oat breeding and genetics. Deon Stuthman in 306 Borlaug Hall at noon.

SPECIAL SEMINAR IN APRIL

Mark your calendars now for a special plant breeding seminar in April, "Biotechnology for Maize Improvement," by Catherine J. Mackey from DeKalb Plant Genetics of Groton, Connecticut, on Wednesday, April 10 at 9:30 a.m. in 306 Borlaug Hall. Sponsored by PMGI.

HAMM LECTURE 1991

Dr. Robert Goldberg from UCLA will be the Hamm Lecturer for 1991. He will discuss, "Gene Regulation in Higher Plants-Practical Uses in Agriculture." The reception starts at 3:30 p.m. in McNeal Lobby, followed by the lecture at 4:00 p.m. in Room 33 McNeal Hall on Wednesday, April 3. Anyone who would like to visit with Dr. Goldberg should contact Delores Huebner at 5-9226.

STOREHOUSE OPEN HOUSE

University Stores will hold an Interim Open House of only scientific vendors on April 3 from 10 a.m.-4:30 p.m. at the Radisson Metrodome-University on Washington Avenue. 40+ vendors and numerous University departments with lab supporting services will have exhibition booths. Contact LPIS at 6-1813 for a complete listing.

DOMINICAN AG SUMMER PROGRAM

Ohio State University in conjunction with the Instituto Superior de Agricultura in the Dominican Republic will offer a six-week summer program (15 credits) on Dominican History and Culture, Rural Farming Systems, Integrated Rural Development. Cost is \$1400 with airfare and personal expenses extra.

SUMMER COURSE AT UC-DAVIS

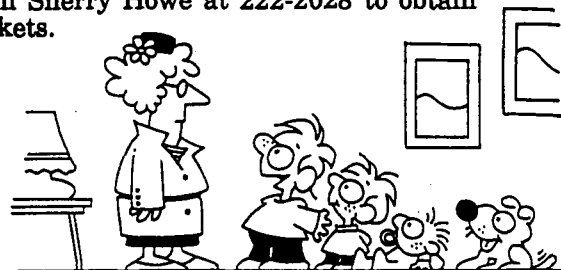
The University of California, Davis, will offer a summer course on "Introduction to sustainable agricultural systems", June 24-August 16, 1991. Cost is \$410 and students can earn 8 units of U of C credit. Reserve space by May 10. Check the bulletin board for details.

EDUCATION IN GERMANY

Informal discussion about undergraduate and graduate education in Germany. Hartwig Geiger will lead the discussion. Everyone welcome 12:00, Friday, April 5, Room 306 Borlaug Hall.

SPECIAL SEMINAR ON EPA

The U.S. Environmental Protection Agency Administrator, William Reilly, will speak at the World Theater (10 E. Exchange Street, St. Paul) courtesy of the St. Paul Rotary Club on Thursday, April 4 at 5 p.m. There is no admission charge, but tickets must be obtained. Call Sherry Howe at 222-2028 to obtain tickets.



"We all have religious names:
Matthew, Mark, Luke, and Blingo."

Agronomy Gleanings

April 5, 1991

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Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

CLEANING AND COFFEE

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PROFESSIONAL DEV. WORKSHOP

The graduate students in Agronomy and Plant Genetics are planning a Professional Development Workshop for Saturday, April 6, 9:30 a.m. to 2:30 p.m. in 306 Borlaug Hall. There will be a sandwich buffet and drinks provided during the lunch break. Cost is \$3.00.

CHOLINESTERASE TESTING

Environmental Health and Safety has a new formal policy regarding cholinesterase testing. Individuals who are involved in the agricultural crops application of pesticides (organophosphate and carbamate) and those not applying these chemicals, but who are potentially exposed to them by working in treated areas, are required to have their cholinesterase levels tested prior to the beginning of any planting/application season, at the mid-point of the planting/application, and at the end of the season or after the last application. Individuals involved in year round application should be tested quarterly.

On the Twin Cities campuses the cholinesterase testing can be conducted by the Boynton Health Service with the appropriate department budget number. A record of the cholinesterase test results should be maintained in your personnel file.

THANK YOU NOTE

It has been one year now since I came to the United States. After several infections, I am happy to report to all friends and colleagues that I am gaining my sight back, slowly but surely. Thanks to God! I am planning to go back to Morocco by mid-July 1991. I will resume my job right away. I would like to thank everyone: faculty and staff for their support and friendship.
Mohamed Oussible and family

HAYES LECTURE AND AWARD

Mark your calendar. The Hayes Lecture will be presented on Wednesday, May 22, 1991, at 8:00 p.m. in 135 Earle Brown Center, by Commissioner of Agriculture, Elton Redalan. The title for his lecture is "Farmers are Environmentalist". Brent Delzer will be this year's recipient of the H.K. Hayes Graduate Student Award.

RETIREMENT LUNCHEON

The Annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14, 1991. Order tickets through Avis before Tuesday, May 7. The cost for tickets is \$3.50.

NEW PEOPLE

We have two new people who joined the department this week. **Bob Gregorson** is working on a postdoc with Carroll Vance on "Isolating and Characterizing Alfalfa Genes." Bob recently completed his Ph.D. in Genetics at the University of Georgia and is originally from Indiana. He will be officed in 420 Borlaug Hall. Also, welcome **John Lindquist**. John will be working toward the M.S. with Bruce Maxwell on the Weed Ecology project. John completed his B.S. at Montana State University. He is officed in 306 Agronomy.

SEMINARS THIS WEEK

Monday	Plant Breeding Seminar
April 8	Stability errors of heritability estimates. Tabare Abadie in 306 Borlaug Hall at 4:00 p.m.
	Forest Resources Seminar
	Applications of DNA restriction fragment length polymorphisms in aspen genetics. Zhaowei Liu at 3:00 p.m. in 203 Green Hall.
Tuesday	Entomology Seminar
April 9	Grasshopper microbial biological control and use of <i>Nosema locustae</i> . Dr. Michael Hildreth, SDSU, at 3:00 p.m. in 490 Hodson Hall.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Asst. Researcher in Ag. Meteorology, Ag. Engineering Dept., Oklahoma State Univ., Stillwater, OK.
- Dean of Academic and Student Affairs, Rutgers University, New Brunswick, NJ.
- Resident Director and Asst./Assoc./Full Professor, Sweet Potato Research Station, Louisiana Ag. Exp. Station, Chase, LA.
- Research Specialist, NDSU, Fargo, ND.
- Head, Dept. of Agriculture, Northeast Louisiana University, Monroe, LA.
- Greenhouse/Outdoor Lab. Manager, Plant and Earth Sciences Dept., Univ. of Wisconsin, River Falls, WI.
- Research Agronomist, USDA-ARS, Southern Plains Area, Weslaco, TX.
- Agronomist, International Rice Research Institute, Manila, Philippines.
- Sr. Research Plot Technician (temporary), Minnesota Landscape Arboretum.
- Asst. Prof. of Agronomy, Northwestern Ag. Research Center, Montana State University, Bozeman, MT.

DEATH

Dr. William L. Brown died on March 8, 1991, at his home in Johnston, Iowa. Dr. Brown worked for Pioneer Hi-Bred for many years and was chairman of the Board of Agriculture for the National Research Council and the National Academy of Sciences. There will be a memorial service for Dr. Brown on Sunday, April 28. Call Mary Lou Sutton at (202) 334-3062 for more information. At the request of the family, contributions in Bill Brown's memory may be made to Genetic Resources Communications Systems, Inc. in the name of the Wm. L. Brown Memorial Fund.

PICK UP FOR SALE

1984 Chevy Pickup for Sale (Scotsdale Package). 305 engine, power steering and brakes, air, cruise, topper. Call Jim at 430-0111 (after 6 p.m. on weekdays).

HMONG HANDWORK DISPLAY/SALE

There will be a display and sale of Hmong handwork on Friday, April 19, 10 am to 6 pm, and Saturday, April 20, 10 am - 3 pm at Christ Lutheran Church, 105 W. University Avenue.

THANK YOU

Thank you so much for the sweat suit. Weston will be wearing it soon. Kind regards, Brett and Deanne Bussler.

WORK STUDY CHANGES

Attention Project Leaders: Changes in the 1990-91 College Work Study Program, effective April 22, the College Work Study split will change from the current 70/30 to 55/45. Persons who choose to post Work Study positions Spring quarter, be sure to account for this 15% increase in your budget plans.

SPRING GRAD CLUB MEETING

The spring grad club meeting will be held Friday, April 12, at 3:30 p.m. in 408 Agronomy. We will conduct our business meeting as well as hold elections at this time. Please return the nomination form before the meeting. This should speed up the election process and give everyone an opportunity to be considered for the office of their choice. If you have questions on the responsibilities of the person holding a certain office, please ask me or the current officer/committee member. Shawn Kaeppler, President

FORAGE SYMPOSIUM

An International Symposium on Forage Cell Wall Structure and Digestibility will be hosted by USDA-ARS October 7-10, 1991, in Madison, WI. The program includes 20 invited presentations by U.S. and foreign speakers on forage cell wall analysis, chemistry, microbial degradation, ruminant nutrition, and future manipulation. Poster sessions will also be held. Contact Hans Jung (5-8291) for further information.

SPECIAL SEMINAR IN APRIL

Mark your calendars now for a special plant breeding seminar in April, "Biotechnology for Maize Improvement," by Catherine J. Mackey from DeKalb Plant Genetics of Groton, Connecticut, on Wednesday, April 10 at 9:30 a.m. in 306 Borlaug Hall. Sponsored by PMGI.

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Agronomy Gleanings

April 12, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

SPRING GRAD CLUB MEETING

The spring grad club meeting will be held Friday, April 12, at 3:30 p.m. in 408 Agronomy. We will conduct our business meeting as well as hold elections at this time. Please return the nomination form before the meeting. This should speed up the election process and give everyone an opportunity to be considered for the office of their choice. If you have questions on the responsibilities of the person holding a certain office, please ask me or the current officer/committee member. Shawn Kaeppler, President

CONGRATULATIONS TO GEORGIA

Congratulations to Georgia Yerk who is a recipient of an NSF Postdoctoral Fellowship for 2 years. Georgia works with Ron Phillips.

RETIREMENT LUNCHEON

The Annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14, 1991. Order tickets through Avis before Tuesday, May 7. The cost for tickets is \$3.50.

GLASS RECYCLING

Save your glass pop bottles (not pyrex lab ware) for recycling. Box them up and put them down at the Borlaug dock (in Agronomy - 1st floor). Any questions, call 5-8084.

ORDER CAPS AND GOWNS

If you are planning to participate in spring quarter graduation Books Underground needs to get your order in early for graduation gowns or Ph.D. hoods. They need six weeks to order these items. They have B.S. and M.S. level caps and gowns in stock.

HIGHER ED CHALLENGE GRANTS

We have received information on the USDA-CSRS Higher Education Challenge Grants Program. Intent to submit proposals are due May 6, proposals are due June 3. Check with Lynne in 411 Borlaug Hall for more information.

FIRE ALARM TESTING

The fire alarms in the Agronomy building will be tested on April 18 at 10 a.m. The horns will not sound.

STUDENT SERVICES IN COA

Jean Underwood will be in charge of Student Services in the College of Agriculture until an Associate Dean of Instruction is hired.

SUMMER SUBLET

Share a beautiful Victorian, 5 blocks from campus with 2 women and 1 cat. Room with own bath and balcony, furnished or unfurnished. Quiet, large yard. May 11-mid August (on any part thereof). \$250 includes everything (and dishwasher!). Call Alice at 5-6223 or 626-8622.

SPECIAL SEMINAR BY GEIGER

Hill Visiting Professor, Dr. Hartwig Geiger, from Hohenheim University, Stuttgart, Germany, will present a seminar on Monday, May 6, 1991, at 4:00 p.m. in 306 Borlaug Hall, "Quantitative genetics in plant breeding: Research needs and prospects in the era of biotechnology." Mark your calendars.

TATE AWARDS AND LECTURE

The John Tate Awards for Undergraduate Advising and the John Tate Lecture will be held on Tuesday, April 30 at 3:30 p.m. in Cowles Auditorium of the Humphrey Center. Dr. Parker J. Palmer will present the John Tate Lecture, "The recovery of community in higher education."

RECORDER FOR SALE

Sanyo voice-activated microcassette recorder. Less than 1 year old, perfect condition. \$60 new, yours for \$25. See Alice in 503 Borlaug or call 5-6223.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Several positions with the Food and Agriculture Organization of the United Nations: Ag. Industries Officer, Forestry Officer, Sr. Officer, Sr. Economist, Nutrition Officer, Small Farmers and Rural Organizations Officer, Commodity Specialist.
- Research Technologist I, (B.S. or M.S. level) Dept. of Agronomy, Univ. of Nebraska, Lincoln, NE.

SEMINARS THIS WEEK

Monday Plant Breeding Seminar
April 15 Improvements in detecting
QTLs.

Brent Delzer in 306
Borlaug Hall at 4:00 p.m.

PMGI Seminar
Regulation of agro-

bacterium virulence genes.
Anath Das in 306 Borlaug
Hall at 12:00 noon.

Forest Resources

Forestry in Norway
Gaute Walberg, Norwegian
District Forester, in 203
Green Hall at 3:00 p.m.

SOIL SCIENCE SEMINAR

Raveling the knot - aspects
of the nitrogen cycle.

Michael Russelle in 375
Borlaug Hall at 3:00 p.m.

Tuesday Entomology Seminar
April 16 Mycoherbicides.

Robert F. Nyvall from the
North Central Experiment
Station, in 490 Hodson
Hall at 3:00 p.m.

Plant Biological Colloquium

Water -- The Key to
Germplasm Preservation?
Dr. Christina Vertucci,
USDA/ARS National Seed
Storage Laboratory, Fort
Collins, Colorado, in Room
6 BioScience at 4:00 p.m.
Call 625-4222 if you would
like to meet with Dr.
Vertucci.

Safety Seminar

Lyme Disease: What's
New? Background
information as well as
recent advances.
Dr. Russell Johnson, Dept.
of Microbiology, in 335
Borlaug Hall at 4:00 p.m.
Refreshments at 3:45 p.m.

Agronomy Gleanings

April 19, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

REMINDER FOR ASA MEETINGS

Title summaries for ASA presentations must be received by division chairman by April 26, 1991. Don't wait until the last minute.

WHERE ARE THE COFFEE SERVERS?

We have four thermal coffee servers in the department. They are all missing. If you have them in your office or you know where they are bring them back to the kitchen in 302 Borlaug immediately. Thank you.

GAMMA SIGMA DELTA AWARDS

Dr. Roy L. Thompson was presented the Gamma Sigma Delta Award of Merit at the recognition banquet April 18, 1991. Undergraduates Eric Hoiland, John Vaadeland and Randy Vancura were initiated as new members.

Vern Cardwell

CAUTION IN SCHEDULING EVENTS

Remember: No extracurricular events requiring participation of students may be scheduled from the beginning of study day to the end of finals week, June 1-8, 1991. Exceptions may be granted by Senate Committee on Educational Policy. Full compliance with this policy is expected during and after spring quarter 1991.

MEETINGS THAT WORK

University Counseling Services will hold a program entitled, "Meetings that Work" on Tuesday, April 30 from 3-5 p.m. in 202 Eddy Hall. Register by April 23. For information call Larry Demarest, Organization Dev. Specialist at 624-0325.

DEATH

Ann Marie Vandenplas, age 21, an Agronomy undergraduate, died this past week. The funeral will be Saturday at 10:30 a.m., Church of St. John the Baptist, 835 2nd Ave. NW, New Brighton. Visitation 5-8 p.m. Friday, Miller Funeral Home New Brighton Chapel, 706 4th Ave. NW.

CLOTH BAGS AT BOOK STORES

Beginning on April 22 (Earth Day), U Bookstores will begin replacing all paper and petroleum-based bags with reusable 100% cotton book bags. Bags will be refundable at any time throughout the school year for their \$2 deposit.

RECYCLING REMINDER

Remember to recycle your pop cans. We are still seeing pop cans in the garbage. If you want, you can save your pop cans and give them to Teresa Schoeder in 209 Borlaug Hall. She refunds the cans and used the money to purchase popcorn for the undergrads.

SUPPORT FOR U OF M RECYCLING

The Hennepin County Board of Commissioners will decide on April 25 the future of a substantial amount of funding to the U of M Recycling Program. All staff, faculty and students, especially those who reside in Hennepin County, are urged to write or call the commissioners and ask that they continue funding one of the most successful institutional recycling programs in the nation. The address for Hennepin County Commissioners is: A-2400 Government Center, 300 S. Sixth Street, Minneapolis, MN 55487-0240. Check the bulletin board outside 411 Borlaug Hall for a list of commissioners and more information.

GOPHER CROPS AND SOILS CLUB

The Gopher Crops and Soils Club is planning a trip to see the Minnesota Twins vs. Oakland A's game on Tuesday, April 23. Meet in Agronomy 101 between 5:50 - 6:00 p.m. to leave for the game. New members are welcome. Bring a friend.

SPECIAL SEMINAR

The first Janita Sellner Memorial Seminar will be held by the Department of Genetics and Cell Biology on Monday, April 29, 1991, in 306 Borlaug Hall at 12:00 noon. Virginia Walbot, Department of Biological Sciences at Stanford University, will discuss "Mutator transposon of maize." There is a luncheon reception following the seminar on the Terrace in front of Gortner Laboratory. If you would like to meet with Dr. Walbot call Sue at 4-9213.

WOMEN IN AG. SCIENCE GROUP

The Women in Agricultural Science Group will meet noon, Tuesday, April 23 in 491 Borlaug. We will discuss an agenda for the rest of the quarter. We will also discuss ideas for improving the working environment for women, and compile a list of suggestions to give to

SOYBEAN PROPOSALS

Requests for new or continuous project support from the Minnesota Soybean Research and Promotion Council are due May 15, 1991 to Peggy Samuelson in the Minnesota Ag. Experiment Station. If you need a copy of the "Procedures to Follow for 1991-92 Funding Request" check with Avis in 411 Borlaug Hall.

DEALING WITH UPSET CITIZENS

There will be a half-day workshop on "Dealing with Upset Citizens and the Public" sponsored by the University of Nebraska-Lincoln in Minneapolis/St. Paul, MN, May 16, 1991. Registration is \$59 and includes refreshments and materials. Check the bulletin board for details.

ALUMNI ASSOCIATION PICNIC

The Alumni Association will be sponsoring an annual picnic on Sunday, June 23, on the St. Paul Campus. There will be 150-200 attendees from around the state. Faculty participation is encouraged to host this event. In conjunction with this activity, the College will be arranging three ag-related tours each of one-half hour length. Also there will be three faculty research-oriented presentations from the College of 20-30 minutes each.

WINNING GRANTS VIDEO SEMINAR

A series of 10 sessions have been scheduled to view videos on the 10-part seminar on successful grant writing entitled "Winning Grants" in the Plant Pathology Library Annex at 12:00 noon as follows: April 24 - Review of How to Contact Government Funders; May 1 - How to Develop a Needs Statement; May 8 - How to Use a Project Planner to Organize Your Proposal; May 15 - Developing a Realistic Budget; May 22 - Contacting Private Funders; May 29 - Writing a Letter Proposal.

RETIREMENT LUNCHEON

The Annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14, 1991. Order tickets through Avis before Tuesday, May 7. The cost for tickets is \$3.50.

U OF M RETIREES HONORED

Four University of Minnesota retirees were included in the "Light-Up-America" photo exhibit in Pittsburgh, PA, that honored volunteerism. Charles Burnham of our department was pictured with a small chestnut tree. Other U of M retirees honored were Sheldon Reed (Genetics and Cell Biology), John Turnbull (Economics), and Cal Stoll (Football coach).

SEMINARS THIS WEEK

**Monday
Apr. 22**

Weed Science Discussion

Corn interactions with cocklebur and velvetleaf. Brett Bussler in 210 Borlaug Hall at 2:00 p.m.

Plant Breeding Seminar

Agronomic and quality effects of chromosome substitutions in wheat. Azzedine Douiyssi in 306 Borlaug Hall at 4:00 p.m.

Soil Science Seminar

Bound pesticide residues in soil: How important are they?

Brent Sorenson in 375 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar

Peasant cooperation for micro-watershed management in Maissade, Haiti.

Andy White in 203 Green Hall at 3:00 p.m.

**Tuesday
Apr. 23**

Guy Stanton Ford Lecture

The Guy Stanton Ford Memorial Lecture by Dr. Stephen H. Schneider will be 3:30 p.m. in 150 Physics. The lecture is entitled, "Can we solve long-term global environmental problems? The case of global warming."

Entomology Seminar

Biological control of alfalfa insects.

Dr. Kathy Flanders in 490 Hodson Hall at 3:00 p.m.

SPECIAL SEMINAR BY GEIGER

Hill Visiting Professor, Dr. Hartwig Geiger, from Hohenheim University, Stuttgart, Germany, will present a seminar on Monday, May 6, 1991, at 4:00 p.m. in 306 Borlaug Hall, "Quantitative genetics in plant breeding: Research needs and prospects in the era of biotechnology." Mark your calendars.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Endowed Chair. Robert and Lois Coker Chair in Molecular Genetics, Division of Agriculture and Nat. Resources, Clemson University. 12-month faculty position with research and teaching. Deadline is May 3, 1991.
- Extension Agent, Youth Development Project Coordinator, Oregon State Univ. Extension Service, Corvallis, OR.
- Asst. Station Manager, Pioneer Hi-Bred Int'l., Inc., Plant Breeding Division, Carrollton, Missouri.
- Associate Director, Pacific West Area, USDA-ARS, Albany, CA.
- Research Scientist in ag. pest control research, Rutgers University, New Brunswick, NJ.
- Research Associate - Water Quality/Soil Management, Dept. of Plant Science, South Dakota State University, Brookings, SD.
- Research Associate, Wild Rice Breeding, Univ. of Minnesota, North Central Exp. Station, Grand Rapids, MN.

Agronomy Gleanings

April 26, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

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NEW CROPS SYMPOSIUM

The 2nd National Symposium on New Crops will be held in Indianapolis, Indiana on October 6-9, 1991. Abstracts will be accepted for invited papers until June 1, and for contributed posters until June 15. Check the bulletin board for details.

RECYCLING CONFERENCE

There will be a World Recycling Conference and Exposition on June 4-6, 1991, at Rosemont, Illinois. Check the bulletin board for details.

BIOTECHNOLOGY MEETING

The Association of Biotechnology Companies will hold a program on "The Impact of High Energy Costs on Biotechnology" on May 16, 1991, in Washington, D.C. Check the bulletin board for details.

STEAM SERVICE INTERRUPTION

The steam service will be interrupted to the St. Paul Campus for annual plant maintenance between 4:00 a.m. and 10:00 p.m. on Sunday, May 5.

AIR CONDITIONING

The air conditioning system for Borlaug Hall will be turned on during the week of May 6, 1991. If you have questions contact Marty Gerads at 4-2288.

SPECIAL SEMINAR BY GEIGER

Hill Visiting Professor, Dr. Hartwig Geiger, from Hohenheim University, Stuttgart, Germany, will present a seminar on Monday, May 6, 1991, at 4:00 p.m. in 306 Borlaug Hall, "Quantitative genetics in plant breeding: Research needs and prospects in the era of biotechnology." Mark your calendars.

NEW GRAD CLUB OFFICERS

The Grad Club held elections at their Spring meeting on April 12. New officers are: Perry Miller - President; Paul Peterson - Vice President; Bill Rooney - Secretary; Todd Krone - Treasurer.

New departmental committee members are: Paul Peterson - Agronomy Seminar; Bill Rooney - Plant Breeding Seminar; Steve Plehn and Carlos Raupp - International; Martin Fabrizius - Grievance; Pete Dotray and Tom Kladar - Social; Geoff Graham - Flower and Gift; Martin Fabrizius - Library; Phillip Schwab - Undergrad Rep.

New Grad Club committee members are: Phillip Schwab and Sandra Milach - Social; Jesus Marquez - Photographer; Todd Krone and Hall Mickelson - COGS Reps; Tom Kladar and Dennis Dolan - Housing list; Carlos Raupp, Lauren Johnson, Mbassa Ndioro, Jesus Marquez, Sidney Parentoni, Martin Fabrizius, Steve Plehn and Bob Murzyn - Computer Room; Jesus Marquez, Geoff Graham, Mbassa Ndioro, and Abdul Kamanzi - International; Brett Bussler, Martin Fabrizius - Sports; Abdul Kamanzi, John Linquist, Sandra Milach, Lauren Johnson - Unique Ed. Opp. Grant; Brett Bussler, Perry Miller, Paul Peterson and Phillip Schwab - Stuthman TA Committee.

THANK YOU TO OLD OFFICERS

Thank you to the Grad Club out going officers and committee members: Shawn Kaeppler - President; Perry Miller - Vice President; Steve Plehn - Secretary; Bill Rooney - Treasurer. All of you did an excellent job as officers.

A special thank you to Shawn Kaeppler who was always very willing to represent the graduate students at departmental meetings and events. You did an excellent job.

SPECIAL SEMINAR

The first Janita Sellner Memorial Seminar will be held by the Department of Genetics and Cell Biology on Monday, April 29, 1991, in 306 Borlaug Hall at 12:00 noon. Virginia Walbot, Department of Biological Sciences at Stanford University, will discuss "Mutator transposon of maize." There is a luncheon reception following the seminar on the Terrace in front of Gortner Laboratory. If you would like to meet with Dr. Walbot call Sue at 4-9213.

MINNESOTA CANARYGRASS

The 1991 Edition of Field Crop Varieties for Manitoba, Canada, continues to list Keet and Elias as the only recommended varieties of annual canarygrass.

Minnesota canarygrass varieties (Bob Robinson, breeder) -- Alden 1973, Keet 1979, and Elias 1983 -- have occupied most of Canada's annual canarygrass acreage for many years. Annual canarygrass is a grain crop used for feeding caged birds. Most of the production which often exceeds 150,000 acres/year moved from MN-ND to Manitoba and Saskatchewan. But a large amount of canarygrass for export and domestic use continues to be conditioned in MN-ND plants.

"Don't give up. Keep going. There is always a chance that you will stumble onto something terrific. I have never heard of anyone stumbling over anything while he was sitting down."

-- Charles F. Kettering.

Robert Townsend:

If asked when you can deliver something, ask for time to think. Build in a margin of safety. Name a date. Then deliver it earlier than you promised. The world is divided into two classes of people: the few people who make good on their promises (even if they don't promise as much), and the many who don't. Get in Column A and stay there. You'll be very valuable wherever you are.

—Further Up the Organization (Knopf)

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Turf Agronomist/Coordinator, Pure Lawn, Ithaca, NY.

- Asst. Professor - Plant Nutrition/Soil-Plant Relations, Louisiana State Univ., Baton Rouge, LA.

- Extension Specialist in Turfgrass Management, Rutgers Cooperative Extension, New Brunswick, NJ.

- Associate Program Director, Genetics Program, National Science Foundation, Washington, D.C.

- Seed Sales and Information Coordinator, Texas Foundation Seed Service, Texas A&M Univ., College Station, TX.

- Biostatistician, Valent, Ag. Chemical Company, Dallas Center, IA.

SEMINARS THIS WEEK

**Monday
Apr. 29**

Plant Breeding Seminar
Regulation of transgenes.
Gary Muehlbauer in 306
Borlaug Hall at 4:00 p.m.

Soil Science Seminar

Tillage-irrigation
interactions on a sandy
loam in the northern
cornbelt.

D.C. Reicosky, USDA-ARS
Soil Scientist, Morris, in
375 Borlaug at 3:00 p.m.

Forest Resources Seminar

Effects of harvesting on the
growth and species
composition of plant
communities dominated by
Eurasian water milfoil in
Lake Minnetonka, MN.
Wendy Crowell in 203
Green Hall at 3:00 p.m.

**Tuesday
Apr. 30**

Biological Control Seminars

Anticipatory Biological
Control of the Gypsy Moth
with Native and Introduced
Multihost Parasites.

Dr. Willis Schaupp, Dept.
of Ecology, in 490 Hodson
Hall at 3:00 p.m.

Agronomy Gleanings

May 6, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

CONGRATULATIONS DR. PHILLIPS

On April 30, 1991, Dr. Ronald L. Phillips was elected as a member of the National Academy of Sciences. The National Academy of Sciences provides independent science-based advice to the U.S. government on important issues facing society. The Academy also publishes one of the most prestigious scientific journals in the world. Dr. Phillips election is in recognition of his contributions in plant genetics research.

The National Academy of Sciences is a private, non-profit society of distinguished scholars engaged in scientific and engineering research. The Academy operates under an 1863 charter from the U.S. Congress and has a mandate to advise the federal government on scientific and technical matters.

The Academy elects 60 scientists each year across all of the scientific disciplines. Dr. Phillips was nominated by the Applied Biological and Agricultural Sciences class of the Academy which had four new members elected by the whole Academy in this 1991 election.

RETIREMENT LUNCHEON

The Annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14, 1991. Order tickets through Avis before Tuesday, May 7. The cost is \$3.50.

NEW MAJOR COORDINATOR

Larry Smith will take over as the Coordinator for the Animal and Plant Systems undergraduate major in the College of Agriculture for a two-year term beginning July, 1991.

SAMPLE LECTURE

The U of M Extension Classes offers a sampler lecture on "Vernacular Aesthetics: Yard Art as Public Art" on Wednesday, May 22 at 7:00 p.m. in Room 62 of the Earle Brown Center. Colleen Sheehy, Asst. Director for Touring Programs at the University Art Museum, discusses everything from pink flamingos to Christmas extravaganzas, and what they communicate about their creators. Cost is \$3.

DEADLINE

The April 1991 copy of "Deadline" has arrived and is available for your perusal in Avis's office. The "Deadline" features a list of some, but not all, agency deadlines for grant proposals. All grant applications must be processed through your department with a completed BA23 form. The contact # for deadline/program information is 624-9004. The complete deadline section also appears on the ORTTA Electronic Bulletin Board. Please refer to the February 1991 Research Review for access information, or call ORTTA at 624-0327.

PLANS FOR BIOCENTER ADDITION

The building plans for the Biological Center Addition (replacing Palmer Classroom Building) will be available for review in Room 302 Borlaug Hall. The building process will begin sometime in May. There will be an access road for heavy equipment across the front lawn of the Agronomy building off Gortner Avenue. If you have any questions about the building please give them to Tom Warnke. He will convey any questions and concerns to the building contractor.

PLANT BREEDING DISCUSSION

There will be a plant breeding discussion at Dr. Ron Phillips home on Thursday, May 9 at 7:30 p.m. The discussion will be "Informing the Public About New Technologies," led by Dr. Susan Harlander from the Department of Food Science and Nutrition. A map to Dr. Phillips home is on the bulletin board outside 411 Borlaug Hall.

ASSOCIATE DEAN INTERVIEWS

Three candidates will be interviewed for the position of Associate Dean and Director of Instruction for the College of Agriculture. All three candidates will address the same topic, "How to Prepare Graduate Students for the 21st Century," during a seminar at 3:00 p.m. in Room 135 Earle Brown Center on these dates:
Wednesday, May 8: H. Evan Drummond, currently Interim Dean for Resident Instruction, Institute of Food and Ag. Sciences, University of Florida.
Monday, May 13: Susan K. Vaughan, currently State Education Specialist, Minnesota Department of Education.
Wednesday, May 15: Dennis D. Miller, currently Professor, Dept. of Food Science, Cornell University.

SEMINARS THIS WEEK

- Monday
May 6** Special Seminar
Hill Visiting Professor, Dr. Hartwig Geiger, from Hohenheim University, Stuttgart, Germany, will present a seminar on Monday, May 6, 1991, at 4:00 p.m. in 306 Borlaug Hall, "Quantitative genetics in plant breeding: Research needs and prospects in the era of biotechnology."
Soil Science Seminar
Economics of legumes as a nitrogen source for crop production in Minnesota. Mark Zumwinkle in 375 Borlaug Hall at 3:00 p.m.
Forest Resources Seminar
Defining Truth: A Discussion of Theories of Knowledge with Regard to the Management of Natural Resources by Jonathon Vlaming in 203 Green Hall at 3:00 p.m.
- Tuesday
May 7** Biological Control Seminar
Dr. Jan Jackson, Northern Grain Insects Research Lab, USDA, Brookings, SD, in 490 Hodson Hall at 3:00 p.m.
- Wednes.
May 8** Forest Resources Seminar
Spatial analysis of forest succession into grasslands with respect to soil damage class at Cedar Creek Natural History Area. James Engstrom in 203 Green Hall at 3:00 p.m.

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.
- Asst. Program Manager, National Center for Appropriate Technology, Fayetteville, AR.
 - Program Director - Genetic Identity Services, Indiana Crop Improvement Association, Lafayette, IN.
 - Biological Aid/Biological Lab Technician (Soils), USDA, U of M, St. Paul, MN.
 - Regional Director/Corn Breeding - Asia; Plant Breeding, AMPR Region, Pioneer Hi-Bred Int'l, Inc., Manila, Philippines.
 - Area Extension Agent (Agronomy), Golden Plains Area, Wray, CO.
 - Farm Advisor - Pest and Disease Management/ Alternative Input Systems - Yolo and Solano Counties, Univ. of California, Davis, CA.
 - Research Specialist to work with rice, Univ. of Arkansas, Monticello, AR.
 - Head, Dept. of Entomology, Univ. of Minnesota, St. Paul, MN.
 - Extension Specialist - Sustainable Agriculture, Univ. of Maine, Cooperative Extension, Orono, ME.

FURNITURE FOR SALE

Dresser with matching shelves; large office desk; kitchen oval table with 4 matching chairs; lamp table; end table. Call 642-1168 after 5:00 p.m.

PROPOSALS FOR WRITING STUDY

The Center for Interdisciplinary Studies of Writing is calling for proposals for grants up to \$10,000 for the study of writing at the U of M. The results of the research should benefit undergraduate education at the U of M. These grants are for tenure-track faculty from any department. The research should consider such questions as: What is the status of writing ability of U of M students (particularly in classes other than formal composition classes)? What are the characteristics of writing in various fields? How is writing assessed? How do students learn the language of various disciplines? etc. One-page proposals outlining area of interest are due May 15, 1991.

NORTH CENTRAL ASA MEETING

The American Society of Agronomy will hold the North Central Branch Annual Meeting, August 4-6, 1991, at North Dakota State University, Fargo, ND.

THANK YOU TO GRAD CLUB

This small note is to thank you for the present given me during my last coffee in the Department. It is a rare opportunity to interact with colleagues from so many different parts of the world. Although I cannot write everybody, I would like to let you all know that I enjoyed my stay in the Twin Cities (of course, except for the weather). I have accepted a research position with one of the Federal Universities in my country and will (at least for now) working with sugarcane. Therefore for those of you who like your coffee black and without sugar, add a little sugar, it kills the bad taste which coffee leaves in your mouth. Wishing you all success and a wonderful stay in the Twin Cities. Sincerely, Debo Olayoye

PLANNING MEETINGS

If you are planning a meeting that involves people who teach classes or students please consider scheduling the meeting during a regularly scheduled 50-minute class period. That way your meeting will not cut across two class periods making it difficult for teaching faculty and students to attend. The schedule for classes on the St. Paul Campus is as follows:

St. Paul	Summer Session
8:30 - 9:20	8:00 - 9:00
9:35 - 10:25	9:15 - 10:15
10:40 - 11:30	10:30 - 11:30
11:45 - 12:35	11:45 - 12:45
12:50 - 1:40	1:00 - 2:00
1:55 - 2:45	2:15 - 3:15
3:00 - 3:50	3:30 - 4:30
4:05 - 4:55	4:45 - 5:45

Agronomy Gleanings

May 10, 1991

MIW/9/69865

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

RETIREMENT LUNCHEON

The Annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14.

PUBLIC SALE AT WAREHOUSE

The U of M Property Accounting Dept. will hold their public sale of surplus university equipment at the Inventory Warehouse on Wednesday, May 15 from 8:15 a.m. to 3:30 p.m. The sale will include desks, chairs, tables, typewriters, files, bicycles, and other miscellaneous items. Items will be priced very cheaply due to impending relocation of facility. Plan to come early for the best selection. Call 627-4525 for information. The Warehouse will be closed Monday and Tuesday, May 13 and 14 in preparation for the sale. Items bought must be picked up day of purchase unless special arrangements are made with Scott or Luke at the sale.

NEW BABY

Polly Froehlich (Fernald) had a baby girl on Friday, May 3 in Seward, Nebraska. They have named her Julie Phyllis and she weighed 6 lbs. 3 oz.

FALL CLASS SCHEDULES

Fall class schedules are available in 411 Borlaug Hall for graduate students in Agronomy and Plant Breeding. All undergraduates may pick up their copies from the College of Agriculture office in 277 Coffey Hall. We also have copies of the preliminary winter and spring class schedules. Copies of the Summer Session schedule may be obtained in Coffey Hall.

MISSING JOURNALS

The following journals are missing from the Agronomy Library (304 Agronomy Building). Please return them to the library as soon as possible as they need to be sent to the bindery.

Agronomy Journal, Vol. 82, 1990

Jan.-Feb, No. 1

May-June, No. 3

Weed Science Journal, Vol 38, 1990

No. 1, No. 2, No. 6

Thank you for your cooperation.

ASSOCIATE DEAN INTERVIEWS

Two more candidates will be interviewed for the position of Associate Dean and Director of Instruction for the College of Agriculture. They will address, "How to Prepare Graduates for the 21st Century," during a seminar at 3:00 p.m. on these dates:

Monday, May 13: Susan K. Vaughan, currently State Education Specialist, Minnesota Department of Education, in **33 McNeal Hall**.

Wednesday, May 15: Dennis D. Miller, currently Professor, Dept. of Food Science, Cornell University, in **33 McNeal Hall**.

Note: Feedback from administration, faculty, students, and staff is an important part of the search process.

M.S. THESIS DEFENSE

Frantz Clotaire will defend his Master's thesis on Tuesday, May 21, 1991, at 9:00 a.m. in 306 Borlaug Hall. The title is: "Percent protein and oil in soybean: correlating producers' fields with research plots and refining methodology for increased efficiency of selection."

RETURN CIVIL SERVICE BALLOTS

Attention Civil Service Staff: Please return your ballots for nominations for new representatives for the Departmental Civil Service Liaison Committee and the College of Ag. Liaison Committee by Wednesday, May 15. You can put the ballots into the box in 411 Borlaug Hall. Thanks.

FAREWELL COFFEE FOR JIM KURLE

Jim Kurle will be resigning from the Department on May 31, 1991. He will be transferring to the department of Plant Pathology where he will be working full time on an M.S. degree with Dr. Frank Pflieger. Jim is studying the effect of crop rotation and management system on mycorrhizae. Jim has been on the departmental staff, working with Kent Crookston since March 1978. We will miss his quality input. We have scheduled a farewell coffee for Jim on Friday, May 31 at 3:00 p.m.

RECEPTION FOR RONALD PHILLIPS

The College of Agriculture will host a reception in honor of Ronald Phillips election to the National Academy of Sciences, on Thursday, May 16, 1991, from 3:00 - 5:00 p.m. in the Upper Level Lobby of the Earle Brown Center.

LIGHTING AUDIT

The Minnesota Building Research Center will conduct a lighting audit in the Agronomy Building and Borlaug Hall during the next few months. The auditors will record lighting levels produced by light fixtures in each space in the building. Every effort will be made to minimize any inconvenience the auditing procedure may have on ongoing activities in your area. If you have concerns about the audit procedure please contact Tom Warnke at 5-3153 and he will convey them to the auditors. The auditor information will be used to decide on the number of lamps needed when the lamps and ballasts are replaced sometime during the next 2 years.

NEW SOYBEAN VARIETIES

The U of M Ag. Experiment Station recently honored 2 pioneer Minnesota soybean growers by releasing soybean varieties named for them. The new varieties are Bert, named for Renville County farmer Bert Enestvedt, and Leslie, named for the late Leslie L. Wright, who farmed in Dodge County. Both were instrumental in developing soybeans as a crop in Minnesota and in organizing the Minnesota Soybean Growers Association in 1962.

FIRST AID AND CPR TRAINING

The Dept. of Emergency Management offers first aid and CPR training at no charge to staff and faculty. Classes are 4 hours or 8 hours and start at either 8 a.m. or 12:30 p.m. All classes are held in B-1 Morrill Hall, and are taught by certified instructors. Any group of 4 or more may schedule training by calling 625-8047.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Dean of the College of Agriculture, Utah State University, Logan, Utah.
- Associate in Extension and Research - On-farm Testing Coordinator, Washington State University, Dept. of Crop and Soil Sciences, Pullman, WA.
- Technology Transfer Specialist (TTS), UNL/MIAC/USAID Morocco Project. Two year assignment with the Morocco Dryland Farming Applied Research Project, through the University of Nebraska, Lincoln, NE.
- Research Associate-Water Quality/Herbicide and Nitrogen Transformations, Dept. of Plant Science, SDSU, Brookings, SD.
- County Director, Fresno County, Univ. of Calif., Parlier, CA.
- Asst./Assoc./Full Professor - Natural Resources Extension Specialist, Dept. of Ag. Econ., Univ. of Nevada, Reno, NV.

SEMINARS THIS WEEK

**Monday
May 13**

Soil Science Seminar

Early infection and efficiency of nodule initiation among bean cultivars (*Phaseolus vulgaris*).

Martha Helena Chaverra in 375 Borlaug Hall at 8:30 a.m.

Forest Resources Seminar

A comparison of decomposition rates and plant phosphorus concentrations for purple loosestrife and cattails: Implications for wetland phosphorus cycling.

Sarah Emery in 203 Green Hall at 3:00 p.m.

Soil Science Seminar

Dissipation of alachlor in irrigated Kim loam soil, by Pau Yong Yen; and Determination of sethoxydim residues in soil, by Kathy Reynolds starting at 3:00 p.m. in 375 Borlaug Hall.

**Tuesday
May 14**

Biological Control of Pests

Sex pheromones in insect parasitoides - recent progress.

Dr. Richard Jones in 490 Hodson Hall at 3:00 p.m.

**Wednes.
May 15**

Forest Resources Seminar

State responses to conserving biological diversity of forests: potential administrative and program structures. David Zumeta in 203 Green Hall at 3:00 p.m.

Ecology Seminar

Rethinking ecological and economic education: A Gestalt shift.

Mary Clark, Prof. of Conflict Resolution, George Mason University, 313 Zoology at 3:30 p.m.

H.K. HAYES LECTURE

The H.K. Hayes Memorial Lecture and Graduate Student Award Ceremony will be held on Wednesday, May 22 at 8:00 p.m. in Room 135 Earle Brown Center. Minnesota Commissioner of Agriculture, Elton Redalen will discuss, "Farmers are Environmentalists."

HOUSE FOR RENT

Furnished house for rent in St. Anthony Park, 2 blocks to campus, 4 bedrooms, neighborhood schools, across from a park, double heated garage, gazebo, patio, large yard. Owners will be gone for 2 years. Telephone 644-2321. Available end of June (Sept. would be ok), \$1,100 negotiable.

Agronomy Gleanings

May 17, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

WOMEN IN AG SCIENCE GROUP

The Women in Agricultural Science group will meet Tuesday, May 21 at noon in 491 Borlaug Hall. We will have a "sandwich potluck" lunch, so bring something to put on a sandwich.

NEW BABY

Stan (Ph.D. 1989) and Bernadette Dotson are proud parents of Rachel Ann (7 lbs. 13 oz.) born on Wednesday, May 15. Stan says mom and baby are fine and hello to everyone. Dave Somers

FULBRIGHT GRANTS

The Institute for International Education has announced the competition for Fulbright Grants for Graduate Study Abroad. These grants provide opportunities for mainly graduate students (some undergrads in their senior year) to study abroad. Contact the Fellowship Office, 422 Johnston Hall, 625-7579 for more information.

APARTMENT FOR SUBLET

Apartment for sublet from June 1 to September 1. To share with a roommate who is gone 75% of the time. Air conditioning, garage, dishwasher, balcony near Grand and Fairview. Rent is \$300 (negotiable). Call 698-1951 and leave a message on the answering machine.

CONGRATULATIONS TO AZIZ

Aziz Elbehri successfully passed two master degree exams this week one in Agronomy and one in Agricultural and Applied Economics. Congratulations.

FORUM ON DIVERSITY

There will be an All-University Diversity Forum at the Earle Brown Center on Wednesday, May 29 from 3:00-5:00 p.m. with President Nils Hasselmo to discuss a recent study on diversity by Dr. Josie Johnson, Regent Emerita and Senior Fellow in the College of Education. The intent of the forum is to generate further ideas on how to focus cultural diversity efforts at the U.

RETIREES HONORED

Chester Yee from our department was honored at the retirement luncheon last Tuesday. Chester will retire June 30, 1991. He has been with the U of M for 31 years and 9 months. Congratulations Chester!

THEFT IN GREENHOUSE

On Sunday evening, May 5th, thieves forcibly entered the Plant Pathology greenhouse 370B and Horticulture greenhouse 370K and took several high-intensity lamp fixtures. Plant Path lost two fixtures and three extra bulbs, Horticulture lost six fixtures and many plants were trampled. This is an expensive loss in terms of dollars and in terms of lost plants and work. Please remember to lock the doors after 4:30 p.m. and on weekends. Also if you see unfamiliar people around don't be afraid to politely ask them why they are in the area. Report any suspicious activity to an authority.

AG AWARENESS DAY

The West Central Experiment Station at Morris will host Ag. Awareness Day on Sunday, May 19 from 2-5 p.m. This is an educational event designed to improve the non-farm public's understanding of modern agriculture.

CAMPUS CLUB POLICY CHANGES

The Campus Club is changing its policies and rules to make the club more accessible. Membership is open to all U faculty and staff; a grad student employee is also eligible for membership; the initiation fee has been eliminated; for members joining after Jan. 1991, there will be no monthly dues to Sept. 1, 1991. If you are interested 625-9696.

AG INDUSTRIAL USES CONFERENCE

The 1991 Midwest Industrial Uses Conferences (Ag. Resources in Industry - Biotech Product and Business Opportunities in the 90s) is scheduled for May 30-31, 1991, at the Holiday Inn University Place in East Lansing, Michigan. Check the bulletin board for details.

UNDERGRAD ANNUAL PICNIC

The Gopher Crops and Soil Club will hold their annual picnic on Tuesday, May 21 from 4:00-10:00 p.m. at the Lions Shelter in Central Park, Roseville. Dinner will be served at 5:30 p.m. All faculty, staff, students, grad students, and families are welcome. Steak, chicken, coleslaw, beans, beer, and pop will be served. Tickets are on sale in 302 Agronomy (from Pat Kessler). Cost is \$4 for faculty, staff, grad students and guest; \$1 for undergrads. Free for

FALL COMMENCEMENT

The Graduate School Fall 1991 Commencement Ceremony date has been changed to December 4 at 7 p.m. due to scheduling changes at Northrup Auditorium. The original date, Dec. 1, fell on Thanksgiving weekend.

AWARDS, AWARDS

Congratulations to Dr. Larry Smith who has been selected for the 1991 Faculty Leadership Award by the Minnesota Alumni Association and Dr. Harley Otto who was selected for the 1991 Outstanding Friend Award. They will receive these awards at the Agricultural Alumni Society Spring Picnic on the St. Paul Campus June 23.

SPRING QUARTER COA ASSEMBLY

The Spring Quarter Faculty Assembly for the College of Agriculture will be Wednesday, June 5 in the Northstar Ballroom. Continental breakfast starts at 9:30 a.m. followed by the meeting at 10:00. Submit agenda items to Debbie Karner, 277 Coffey Hall by May 22.

H.K. HAYES LECTURE

The H.K. Hayes Memorial Lecture and Graduate Student Award Ceremony will be held on Wednesday, May 22 at 8:00 p.m. in Room 135A&C Earle Brown Center. Minnesota Commissioner of Agriculture, Elton Redalen will discuss, "Farmers are Environmentalists."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Postdoc and graduate positions in plant genome mapping and map-based cloning at Texas A&M University with Drs. Andrew Paterson and Rod Wing.
- Molecular biologist, FAO of the United Nations, Vienna, Austria.

UNDERGRAD RESEARCH SYMPOSIUM

There will be a Life Sciences Undergraduate Research Symposium on Wednesday, May 22 from 1:30-4:00 p.m. in the basement of the BioSciences Center. Oral presentations at 1:30 and posters session at 2:00 p.m.

BURSAR'S SUMMER HOURS

Effective July 1, 1991, through August 30, 1991, the St. Paul Campus Bursar's business hours will be 8:00 a.m. to 2:00 p.m. The volume of business during this time does not justify the current hours or staffing. East Bank Bursar's hours will be 8:00 a.m. to 3:30 p.m. and West Bank 12:30 p.m. to 3:30 p.m.

FREE COMPUTER EQUIPMENT

Free computer equipment: Diablo printer (needs repair), hood, print wheels (10), IBM monitor. If anyone would like these items, please see Becky in Agronomy Extension, 5-4258.

INTL. CROP SCIENCE CONGRESS

The International Crop Science Congress will be held in Ames, Iowa, July 14-22, 1992. Program topics include: Striving for a Productive and Sustainable Agriculture, Environmental Change: Challenges for Agronomists, Biodiversity, Crop Improvement Beyond the 1990's, and Advances in Physiology and Molecular Biology of Crop Plants. Contributed posters are encouraged. For further details contact Dr. Kenneth J. Frey, Dept. of Agronomy, Iowa State University, Ames, IA 50011 (515) 281-5200.

SEMINARS THIS WEEK

- Monday**
May 20
- Soil Science Seminar
Molecular methods for monitoring microbial populations and communities in the soil environment.
William Holben, Ctr. for Microbial Ecology and Dept. of Crop and Soil Sciences, Michigan State University in 375 Borlaug Hall at 3:00 p.m.
- Biological Forum Seminar
Mapping morality: Ethical issues and the human genome project.
Dr. Arthur Caplan, Director for Center for Biomedical Ethics in 306 Borlaug Hall at 7:00 p.m.
- Forest Resources Seminar
Vegetation analysis using classification and ordination methods: Study case at Cedar Creek Natural History Area.
Hery Suhartayo in 203 Green Hall at 3:00 p.m.
- Tuesday**
May 21
- Biological Control Seminar
Pupal parasites in the filth fly community: Current prevalence and prospects for augmentation.
Dr. Roger Moon in 490 Hodson Hall at 3:00 p.m.
- Wednes**
May 22
- Forest Resources Seminar
Forestry problems and prospects in Nepal.
Keshav Kanel in 203 Green Hall at 3:00 p.m.
- Friday**
May 24
- Soil Science Seminar
Distinguishing soil age and parent material effects on an ultisol of the driftless area, Wisconsin.
Joseph Mason in 375 Borlaug Hall at 3:00 p.m.

SPECIAL SEMINAR

"Hybrid Breeding in Rye", by Dr. Hartwig Geiger, Hill Visiting Professor from Hohenheim University, Stuttgart, Germany, on Wednesday, May 29 at 12:00 noon in 306 Borlaug Hall.

PMGI SPECIAL SEMINAR

"Phytochrome and Gene Expression", by Dr. Peter Quail, Plant Gene Expression Center, Monday, June 3 at noon in 306 Borlaug Hall.

M.S. THESIS DEFENSE DELAYED

Due to planting schedules Frantz Clotaire's thesis defense will be delayed one week to Thursday, May 30, 1991, at 9:00 a.m. in 306 Borlaug Hall. The title is: "Percent protein and oil in soybean: correlating producers' fields with research plots and refining methodology for increased efficiency of selection."

NEW CIVIL SERVICE LIAISONS

We have two new elected members of the Departmental Civil Service Liaison Committee: Donn Vellekson and Mike McClellan. We also have a new alternate representative to the College of Ag. Civil Service Committee from our department: Kathleen Storey. Jeff Roessler will continue as our voting rep to the COA committee. Congratulations to these people.

Agronomy Gleanings

May 24, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

MEMORIAL DAY HOLIDAY

The University of Minnesota will be closed for the Memorial Day Holiday on Monday, May 27.

CONGRATULATIONS TO JIM ORF

Dr. Jim Orf was promoted to Professor by the Board of Regents at their May 10, 1991 meeting. Congratulations.

CONGRATULATIONS HOWARD RINES

Dr. Howard Rines has been appointed as a full member of the graduate faculty in Plant Breeding. Congratulations.

FORM FOR DIRECTORY

Everyone should have received a U of M demographic information form this week. Please complete this form and return it to Avis in 411 Borlaug Hall.

Remember if you have moved to a new address or have changed phone numbers please inform the main office. Also, if you know of alumni or former colleagues who have moved please let us know. We like to keep track of people. Thanks.

NONDENATURED ALCOHOL

The Biochemistry Department on the St. Paul Campus will no longer distribute nondenatured alcohol for research outside of their department. Reasons for this change are the expense of billing other departments and a report prepared by Greg Casura of Environmental Health and Safety recommending the University Stores be the sole distributor for the U of M. All of Biochemistry's records will be transferred to the University Stores. Please call Isaac Campbell at 624-2094 to arrange for your first alcohol order.

LIVING WITH THE LAND MEETING

The Soil and Water Conservation Society will hold their 46th Annual Meeting, "Living with the Land," August 4-7, 1991, in Lexington, Kentucky. This meeting will focus on the use and management of the land according to its carrying capacity. The meeting is open to anyone interested in conservation issues. Check the bulletin board for details. Preregistration is due July 22, 1991.

SPRING QUARTER COA ASSEMBLY

The Spring Quarter Faculty Assembly for the College of Agriculture will be Wednesday, June 5 in the Northstar Ballroom. Continental breakfast starts at 9:30 a.m. followed by the meeting at 10:00.

JUNK MAIL

Estimates of the amount of waste generated at the U of M, by category, places paper at the top of the list. Much of this paper flows in from outside sources in the form of junk mail (unsolicited and disposed of without reading). It is projected that the University will spend approximately \$3.5 million in 1990-91 for waste disposal.

The Waste Abatement Committee, in a recent report to the Office of the Vice President of Finance and Operations proposed that individual employees of the University mail a postcard to the sender, asking to have their name removed from that particular mailing list. It was felt that over time this simple act would have a noticeable effect on the University's solid waste stream and thus conserve scarce dollars.

Post cards for this purpose have been made available at no cost through Printing Services. You can pick up cards from any of the departments that make up Printing Services -- Printing and Graphics, Duplicating Services, University Bindery, Addressing and Mailing, Office Equipment Services, and Campus Mail.

INTERNATIONAL OAT SYMPOSIUM

An International Symposium entitled "Oat Beta Glucans and Cardiovascular Disease" with emphasis on the biochemistry, analysis and nutritional benefits of dietary fiber of oats is scheduled for June 26-27, 1991, in the Radisson Metrodome Hotel, Minneapolis, MN. The symposium is sponsored by the American Oat Association. Registration is \$210.00 with special consideration for graduate students. For further information and registration materials call Pat Henderson at 542-9817.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found on the bulletin board outside 411 Borlaug Hall.

- Manager, Field Research, Northrup King Company, Washington, Iowa.
- Postdoctoral positions in Plant Genome Mapping and Map-Based Cloning with Texas A&M University, Dept. of Soil and Crop Science, College Station, TX.
- Corn Breeding Technician, Pioneer Hi-Bred International, Inc., Eau Claire, WI.
- Assistant Station Manager, Pioneer Hi-Bred International, Inc., Eau Claire, WI.
- Extension Associate, Ohio Cooperative Extension Service, Ohio State Univ., Columbus, OH.
- Technology Transfer Specialist, UNL/MIAC/USAID Morocco Project, Univ. of Nebraska, Lincoln, NE.
- Agronomists and Agricultural Engineers needed at Briargreen to work in the hydroseeding industry, Kent, Washington.

RETURN THOSE JOURNALS

Check your bookshelves and please return these missing journals to the Agronomy Library (304 Agronomy) immediately. If they are not returned for binding we will be forced to purchase new copies at a considerable cost to the department:

Agronomy Journal, Vol. 82, 1990

Jan-Feb, No. 1

May-June, No. 3

Weed Science Journal, Vol. 38, 1990

No. 1, No. 2, and No. 6.

Thank you for your cooperation.

FURNITURE FOR SALE

Armchair and recliner; office desk; kitchen and dining tables. Please call 642-1168 for more information.

SYMPOSIUM POSTPONED

The International Symposium on Tropical Research and Biotechnology has been postponed. The symposium is now scheduled for September 1992.

SEMINARS THIS WEEK

Wednes

May 29

Special Seminar

Hybrid Breeding in Rye. Dr. Hartwig Geiger, Hill Visiting Professor from Hohenheim University, Stuttgart, Germany, on Wednesday, May 29 at 12:00 noon in 306 Borlaug Hall.

Forest Resources Seminar

Analyzing wood supply with multiple products and multiple market locations: Methods for Northern Ontario.

Grant Hauer, in 203 Green Hall at 3:00 p.m.

Microbial Ecology Seminar

The Ecological Genetics of *E. coli*.

Tom Wittam in 313 Zoology at 3:00 p.m.

Soil Science Seminar

Utilization of square wave anodic stripping voltammetry for determination of trace metals in environmental samples?

Dr. Yahya M. Nor, Univ. Sains Malaysia, Penang, Malaysia, in 375 Borlaug Hall at 11:00 a.m.

Thursday

May 30

PMGI SPECIAL SEMINAR

"Phytochrome and Gene Expression", by Dr. Peter Quail, Plant Gene Expression Center, Monday, June 3 at noon in 306 Borlaug Hall.

FIELD DAYS ON THOMPSON FARM

Fall Field Days are scheduled for the Thompson Farm near Boone, Iowa, for Thursday, Sept. 5 and Friday, Sept. 6.

GLASSES FOUND

Two pair of prescription eye glasses have been turned in to 411 Borlaug Hall. One pair is in a black case.

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

SPRING QUARTER COA ASSEMBLY

The Spring Quarter Faculty Assembly for the College of Agriculture will be Wednesday, June 5 in the Northstar Ballroom. Continental breakfast starts at 9:30 a.m., meeting follows at 10:00.

FISHING TRIP BRUNCH

There will be a brunch and awards ceremony at the resort near Alexandria during the Departmental Fishing trip on Sunday morning, June 9. Eric Ristau will make his famous sourdough pancakes. If you are interested in participating give \$2/person to Eric Ristau by Wednesday, June 5.

WHISTLESTOP!

The WhistleSTOP! program, 240 Coffman Union, will issue safety alerts to departments when there is a reported crime of violence against a person on campus so people will be aware of areas where there is violence and possible danger on campus. We will post these alerts on the bulletin board outside 411 Borlaug Hall. This information is provided by the University Police Department. The WhistleSTOP! program also distributes free safety whistles and sponsors programs to educate the community about violence on our campus. For more information call 625-9992. Remember also, if you need an escort to your car when you are working late in the evening call 624-WALK.

FAREWELL COFFEE

There will be a farewell coffee for Hartwig Geiger on Wednesday, June 12 at 3:00 p.m. in 306 Borlaug Hall.

EUROPEAN JOURNAL OF AGRONOMY

The European Journal of Agronomy, official journal of the European Society of Agronomy, is calling for papers for publication. They want concise papers written in English. Check the bulletin board for details.

PICNIC WITH ISU STUDENTS

Iowa State University plant breeding students will be visiting our department on Monday, June 27. Part of the social events will be a picnic after working hours. Plan to attend. More details will follow.

SPRING QUARTER ENDS

There will be a study on June 1, finals June 3-8, quarter ends June 8, Summer Session I begins June 11.

UPCOMING FAREWELL EVENTS

Mark your calendars for these farewell parties. Friday, June 21, noon, 306 Borlaug Hall there will be a farewell lunch for Avis Kunkel. Friday, June 28, 3:00 p.m., 306 Borlaug Hall there will be a retirement coffee for Chester Yee. More details will be provided by the Social Committee.

SEMINARS THIS WEEK

Monday June 3	PMGI Special Seminar Photochrome and Gene Expression. Dr. Peter Quail, Plant Gene Expression Center, in 306 Borlaug Hall at noon.
Friday June 7	Special Seminar Science, Technology, and Agricultural Subsector Development. Lawrence Busch, Michigan State University, Dept. of Sociology, in 306 Borlaug Hall at 11:00 a.m. *Dr. Busch is co-author of the book, "Plants, Power, and Profit: Social, Economic, and Ethical Consequences of the New Biotechnologies."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Superintendent, West Central Experiment Station, Morris, MN.
- Manager, Field Research, Northrup King Company, Washington, Iowa, requires M.S. in agronomy or a related discipline.
- Asst./Assoc. Professor (Soil Scientist-Taxonomy and Genesis), Plants, Soils, and Biometeorology, Utah State University, Logan, UT.
- Research Associate - Soil Testing and Plant Analyses, Auburn University, Alabama.
- Extension Associate - Potato Crop Management, Univ. of Idaho, Moscow.
- Research Coordinator, UNL/MIAC/USAID Morocco Project, University of Nebraska.

COUCH FOR FREE

There is a green couch in the first floor hallway of Agronomy that is available for free. If you want it, take it.

WEATHER FORECAST

We've just heard that the weather forecast for the next ten days is for rain.

MIW / 19 Ag 86 a

Agronomy Gleanings

June 21, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

JACKET FOUND IN 335

A man's jacket, green with lots of pockets and a leather collar, lining is map of world (Greatland Apparel - brandname) was found in 335 Borlaug Hall two weeks ago. There are two sets of keys in the pocket. If this is your jacket please contact Lynne in 411 Borlaug Hall.

BUS FARES INCREASING

Fares will increase July 1 at off-campus stops for Route 13 intercampus bus service. New cash fares will be 85¢ during off-peak hours and \$1.10 during peak hours (6-9 a.m. and 3:30-6:30 p.m.). Reduced fare discount cards will also increase to \$11 for 20 off-peak-hour rides and \$16 for 20 peak-hour rides. Fares at the Como Lot will not increase.

BOOKSTORES CLOSED

Minnesota Book Center (Williamson Hall) will be closed for inventory all day June 27 and 28. The Books Underground (St. Paul) will close at noon June 27 and will be closed all day June 28 for inventory.

MOVING SALE

Armchair, couch, double size hide-a-bed, kitchen table and chairs, TV table, kitchen appliances, indoor plants, and more... Everything must go. Please call 642-1168.

CROOKSTON FIELD DAY CHANGED

The Northwest Experiment Station Crops and Soils Day slated for Wednesday, July 17, 1991 has been rescheduled due to severe hail damage. The Field Day will be combined with a Tillage Clinic Tuesday, August 20 at the Northwest Experiment Station running from 9 a.m. to 12:30 p.m.

WASECA & LAMBERTON FIELD DAYS

The Crops and Soils Field Day at the Southern Experiment Station (Waseca) is scheduled for Tuesday, June 25, 8:30 a.m. to 3:30 p.m. The Field Day at the Southwest Experiment Station (Lamberton) is scheduled for June 26.

RIDE NEEDED FROM WASECA

Is anyone planning to return to St. Paul directly after the Field Day in Waseca? Mohammed Oussible needs a ride back to St. Paul. Please leave a note in his mailbox or see Lynne if you can give him a ride. Thanks.

DRIVING TO DENVER

Is anyone planning to drive to the ASA meetings in Denver, Colorado, in October? Please contact Lynne in 411 Borlaug Hall if you are driving and would like a passenger to share expenses. Thank you.

FREE PICNIC WITH ISU STUDENTS

Help us welcome Dr. Fehr and the Iowa State University plant breeding students to our picnic this coming Thursday, June 27, 5:00 p.m. at Central Park in Roseville (Jaycee Shelter). Maps are on the bulletin boards. If you forgot to RSVP you still have time. Leave a note in Mauro Teixeira's mailbox.

ALUMNI PICNIC

The College of Agriculture Alumni Society Picnic for 1991 will be held on Sunday, June 23, St. Paul Student Center Terrace (rain or shine). The program begins with registration at 12:30 p.m. and includes campus tours, faculty presentations, awards, welcome by C. Eugene Allen and a talk by Richard Jones. The event includes a picnic, silent auction, social hour, prize drawing, and entertainment. Reservations should be made with the Minnesota Alumni Association, 201 Coffey Hall.

CROP SERVICE CLEAN UP

June 24 and 28 are going to be clean-up days for the Crops Service Building. Please check the dryers and drying racks in the east end of the building. Any samples not having a current "1991" date will be thrown out. I am going to check the dryers, racks, and other storage the first week of July. Unless I am contacted before then, I will discard all samples not properly labeled. Thanks.

Tom Warnke

FAREWELL LUNCH FOR AVIS

There will be a farewell lunch for Avis Kunkel on Friday, June 21 at 12:00 noon in 306 Borlaug Hall.

FAREWELL COFFEE FOR CHESTER

Friday, June 28, 3:00 p.m., 306 Borlaug Hall there will be a farewell coffee for Chester Yee.

SPECIAL SEMINAR

"Agriculture in Madagascar", Dr. Rene Rabezandrina of the Dept. of Soils and Agronomy at the University of Madagascar in Tananarivo on July 2, 1991, at 3:00 p.m. in 375 Borlaug Hall.

OVENS AND SCALES FOR SALE

3 ovens used for ashing, Thermolyne ovens, model #F-A 1730, \$850 each.

Also, 3 scales, National Controls Electronic Scales, stainless steel, model #3250, \$225, 80 oz. capacity or 160 oz. capacity.

Also, 1 Chatillon scale, 50 lbs. capacity for \$60. Contact Dale Junttila at 331-3643 if you are interested in any of these items.

ICIA MOVED

The Illinois Crop Improvement Association, Inc. moved. Their new address is: 3105 Research Road, P.O. Box 9013, Champaign, IL 61826-9013, Phone (217) 359-4053; FAX (217) 359-4075. Mark your records.

NEXT FACULTY MEETING

The next faculty meeting in Agronomy and Plant Genetics will be Monday, July 15, 8:00 a.m. in 306 Borlaug Hall.

NEW BABY

Shelley Diment, Assistant to the Dean of the COA, had a baby girl on Friday, June 14. She weighed 9 lbs. and is named Hannah Lorraine.

ROOMMATE WANTED

Male roommate, nonsmoker, wanted to share a two-bedroom apartment, 2 blocks (15 minute walk) to campus, lots of storage and off street parking, available immediately, \$257.50 per month. Contact Jim at 624-2253 or 644-5469.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Urban Ranger Environmental Education Coordinator, Minneapolis Park and Recreation Board, Minneapolis, MN.
- Vice President, Programs, Winrock International Institute for Ag. Development, Morrilton, AR.
- Assistant County Agent, Alabama Cooperative Extension Service, Auburn University, AL.

Agronomy Gleanings

June 14, 1991

MIW
9 Ag 86a

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

CONGRATULATIONS SHAWN

Congratulations to Shawn Kaeppler who has been awarded a Graduate School Doctoral Dissertation Fellowship for 1991-92. Recipients were chosen on the basis of the research proposal, the potential for significant contribution to the field, past academic performance, and overall professional promise.

FREE PICNIC WITH ISU STUDENTS

Attention Graduate Students: Iowa State University plant breeding students will be visiting our department on Thursday, June 27. There will be a picnic at Central Park in Roseville (Jaycee Shelter), 5:00 p.m., with a barbecue, volleyball, and fun. All graduate students and their spouses are invited. If you plan to attend please return the registration form to Mauro Teixeira (mailbox #5) by June 17. Food and beverages will be provided free.

NEW BABY

Congratulations to Kent and Gayle Crookston who had a baby girl, 7 lbs. 11 oz. A U of M sweatshirt was provided by the Flower and Gift Fund.

CONGRATULATIONS DR. BURNSIDE

Orvin Burnside received an Appreciation Award for dedicated service as a Director of the Minnesota Crop Improvement Association during the June, Board of Director's meeting.

ALUMNI PICNIC

The College of Agriculture Alumni Society Picnic for 1991 will be held on Sunday, June 23, St. Paul Student Center Terrace (rain or shine). The program begins with registration at 12:30 p.m. and includes campus tours, faculty presentations, awards, welcome by C. Eugene Allen and a talk by Richard Jones. The event includes a picnic, silent auction, social hour, prize drawing, and entertainment. Reservations should be made with the Minnesota Alumni Association, 201 Coffey Hall, by June 17.

WOMEN IN AG. SCIENCES MEETING

The next meeting will be noon, Wednesday, June 19, in 491 Borlaug Hall (Plant Pathology seminar room). See you there.

CAR KEYS

RETURN THE CAR KEYS ON TIME!! Summer time is here and all the keys for the department vehicles are gone!! There will be a \$5.00 charge to anyone not returning the keys on time. If the office is closed when you come to return keys drop them in the mail slot (bottom row, center, of the silver mailboxes in the hallway outside 411 Borlaug Hall). The mailbox will be checked every morning.

CROP SERVICE CLEAN UP

June 24 and 28 are going to be clean-up days for the Crops Service Building. Please check the dryers and drying racks in the east end of the building. Any samples not having a current "1991" date will be thrown out. I am going to check the dryers, racks, and other storage the first week of July. Unless I am contacted before then, I will discard all samples not properly labeled. Thanks.

Tom Warnke

ASA ABSTRACTS DUE

Think ahead!! The ASA abstracts are due June 27. Don't wait until the last minute to get your abstract typed as secretaries may be on vacation. Thank you.

COMPUTER ROOM COMBINATION

The combination for the computer room will be changed on Monday, June 17. See Jean at the front desk of 411 Borlaug for the new combination. She will not have the new number before Monday.

SEWAGE SLUDGE PROJECT TOUR

The Sewage Sludge Project at Rosemount is willing to have an educational tour of this area in the latter part of the summer if there is interest. Project leaders in our department are asked to respond to Ken Walter (423-2455) if there is interest in such a tour.

STAFF DEMOGRAPHIC FORMS

Faculty, Civil Service, Post Docs, Grad Students: Don't forget to turn in your Staff Demographic forms to Avis in 411 Borlaug Hall. Thank you.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Associate II, University of Wyoming, Blaylock, Powell Research and Extension Center, Powell, WY.
- Asst./Assoc./University Extension Agent, Univ. of Wyoming, Cooperative Extension, Laramie, WY.
- Postdoc position in sunflower research in Crop and Weed Sciences, North Dakota State University, Fargo, ND.
- Farm Advisor-Natural Resources/Livestock, Univ. of California, Shasta County, Redding, CA.
- Agriculture and Natural Resources/4-H Youth Development Advisor, Univ. of California, Hoopa Valley Indian Reservation, Humboldt-Del Norte Counties, CA.
- Horticulture Faculty Assistant, Milwaukee County, Wisconsin Cooperative Extension, Madison, WI.
- Agricultural Agent, Adams County, Wisconsin Cooperative Extension, Madison, WI.
- Asst. Professor, Vegetable Breeding and/or Genetics, Dept. of Horticulture, Univ. of Wisconsin, Madison, WI.
- Molecular Plant Physiologist/Geneticist/Pathologist, USDA-ARS, Oilseeds Research Unit, temporary position, Northern Crop Science Laboratory, Fargo, ND.
- Research Associate, Univ. of Missouri Delta Center, Dept. of Agronomy, Portageville, MO.
- Crops and Farm Management Agent, Grant County, Wisconsin Cooperative Extension, Madison, WI.
- Corn Breeding Technician, Pioneer Hi-Bred International, Inc., Glyndon, MN
- 4-H Program Assistant, Univ. of Wyoming, Cooperative Extension, Laramie, WY.
- Extension Specialist - Agronomy, Plant and Soil Science Dept., Montana State University, Bozeman, MT.
- Instructor and Assistant Professor, Extension Area Energy Agent, Oregon State University Extension Service, Corvallis, OR.
- Administrative Officer (Asst. Director for Administration), USDA-Forest Service, Radnor, PA.
- Post doc position, Dept. of Entomology, University of Kentucky, Lexington, KY.
- Asst. or Assoc. Prof. - Plant Breeder/Geneticist (spring and winter rapeseed), Univ. of Idaho, Moscow, ID.

- Postdoctoral Fellowship, Agriculture Canada - Research Station, melfort, Saskatchewan, Canada.
- Laboratory Instructor for Introductory Biology, part-time, temporary, Hamline University, St. Paul, MN.
- Asst/Assoc. Professor in Ag. Engineering, Oklahoma State University, Stillwater, OK.
- Assistant Project Manager, Pioneer Hi-Bred International, Inc., Waterloo, IA.
- Dean of the College of Agriculture, Utah State University, Logan, UT.

CALL FOR PAPERS

The Midwest Society for Case Research is calling for papers for their 1992 conference to be held in Chicago, March 25-27, 1992. Competitive papers and panel proposals examining case writing and teaching needs are encouraged. Papers and proposals are due October 1, 1991. Check the bulletin board for details.

CONFERENCE

The North Central Regional Center for Rural Development will hold a conference: "Multicommunity Collaboration: An Evolving Rural Revitalization Strategy" on November 4-6, 1991, in Chicago, Illinois. The conference will explore the nature and viability of voluntary alliances for rural community development and examine the role of the Cooperative Extension Service and the Agricultural Experiment Station in developing the multicommunity collaboration concept. Check the bulletin board for details.

FREE KITTENS

So-o-o Cute! 7 kittens, free to good homes. Mostly grey tiger with white markings. Call Carron at 7-4035.

FAREWELL LUNCH FOR AVIS

There will be a farewell lunch for Avis Kunkel on Friday, June 21 at 12:00 noon in 306 Borlaug Hall. Make your reservations with Muriel by June 17.

FAREWELL COFFEE FOR CHESTER

Friday, June 28, 3:00 p.m., 306 Borlaug Hall there will be a farewell coffee for Chester Yee.

SPECIAL SEMINAR

"Agriculture in Madagascar", Dr. Rene Rabezandrina of the Dept. of Soils and Agronomy at the University of Madagascar in Tananarivo on July 2, 1991, at 3:00 p.m. in 375 Borlaug Hall.

Agronomy Gleanings

June 28, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

FAREWELL COFFEE FOR CHESTER

There will be a farewell coffee for Chester Yee on Friday, June 28, 3:00 p.m., 306 Borlaug Hall.

THANK YOU NOTE

Friends in Agronomy: Thanks so much for the University of Minnesota sweat suit. All of us think it is really cute, and on cool fall days, Sadie will appreciate it's warmth and comfort. She's a sweet baby and has fit well into our family. Kent and Gayle Crookston

NEW BABIES

Becky and Scott Petro had a baby boy on Friday, June 21. They have named him Zachary Blake and he weighed 6 lbs. 7 oz. and was 20 1/2 inches long.

Libby and George Colburn had a baby girl on Monday, June 17 (Libby was a secretary in the department for many years). They have named her Emily Elizabeth and she weighed 9 lbs. 14 oz. and was 22 inches long.

WOMEN IN AGRICULTURAL SCIENCE

There will be a meeting of the Women in Agricultural Science group at noon on Tuesday, July 2 in 491 Borlaug Hall. We plan to discuss our recommendations from the previous meetings.

JULY 4TH HOLIDAY

Thursday, July 4th, is a University holiday, and all University offices will be closed. July 5 is not a U of M holiday.

SOCIAL SECURITY CARD CHECK

According to the IRS, a person's name on their social security card must match the name on the W-2 form. The IRS will levy a \$50 fine to both the employee and the employer if they do not. Please verify that the name on your paycheck is the same name on your social security card. For example: If your name is "William" on your Social Security Card but your check says "Bill" you will be fined. If there is a discrepancy, send a copy of your card to the Payroll Department so that the name can be corrected. If you have any questions, contact Payroll Department at 624-2837.

SPECIAL SEMINAR

"Agriculture in Madagascar", Dr. Rene Rabezandrina of the Dept. of Soils and Agronomy at the University of Madagascar in Tananarivo on July 2, 1991, at 3:00 p.m. in 375 Borlaug Hall.

MEET WITH CBS VISITING FACULTY

A majority of visiting faculty participating in the College of Biological Sciences Summer Program are plant scientists and are very interested in developing collaborative relationships with researchers from the U of M. The CBS hosts an informal gathering each Wednesday evening at 7:00 p.m. in 128 Snyder Hall as a means of introducing faculty to each other. If you are interested in attending, you are welcome and encouraged to do so. If you have questions please call Dr. Sally Jorgensen (4-2244). Refreshments will be provided.

FILE RECYCLING

If you are purging files or doing a general office clean-up this summer, first call the University Recycling Program at 625-8084 so they can assist you in determining what is recyclable and provide equipment and service needed to recycle. The U of M generates 35 tons of solid waste each working date, 60-74% of which is estimated to be recyclable. With your help and cooperation we can reduce waste - saving money as well as reducing our impact on the environment.

ADDRESS CANCELLATION NOTICES

We have cards available in the main office for you to use to get yourself removed from mailing lists for junk mail that you don't want to receive. The U of M encourages people to cut down on the amount of junk mail (solid waste) they receive. If you want some cards see Lynne.

FREE KITTENS

The Putnam family has three kittens to give away free. They are white and black and white and cream. Contact Dan Putnam if you are interested.

MNLA MEETING ON CAMPUS

On Thursday, August 8, 1991, the Minnesota Nursery and Landscape Association (MNLA) will hold its Annual Summer Meeting on the St. Paul Campus. 1000-1200 people can be expected to attend. Approximately 100-110 commercial exhibits will be on display on the lawn and street outside the lower entrance to Alderman Hall. Tractors and trailers will be used to transport people from the Fairgrounds parking lot to Alderman Hall and all field plot tours. Folwell Avenue will be closed from the Entomology driveway to Gortner on Wednesday and Thursday, August 7 and 8, 1991. On Thursday, August 8, Gortner will be detoured to the main road east by the Nuturf Building and then back on Hendon Avenue. If your program is near any of the tour sites, your attention to a clean work environment will be much appreciated.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Two postdoctoral positions (insect resistance in tomato; and genetic control of interspecific crossing barriers in the genus *Lycopersicon*), Dept. of Plant Breeding, Cornell University, Ithaca, NY.
- Agricultural Agent, Wisconsin Cooperative Extension, Juneau County, Madison, WI.
- Research Support Specialist, Plant Genetic Resources Unit, Cornell University, Geneva, NY.
- Asst. Prof. of Weed Biology, Plant and Soil Science Department, Montana State University, Bozeman, MT.
- Extension Specialist (forage crops) - Agronomy, Plant and Soil Science Dept., Montana State Univ., Bozeman, MT.
- Postdoc in Animal Science, U of M, St. Paul, MN.
- Postdoc in Soil Science, U of M, St. Paul, MN.
- Soil Environmental Chemist, Dept. of Agronomy, U of Nebraska, Lincoln, NE.

Agronomy Gleanings

July 5, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEW ADMINISTRATIVE DIRECTOR

Please welcome Jeanne Davy to the Department of Agronomy and Plant Genetics as the new Administrative Director. She will be officed in 411 Borlaug Hall and her phone number is 625-1937. Jeanne has been working at the U of M for 26 years and was most recently Associate Administrator at the Bioprocessing Technology Institute in Gortner Laboratory.

SUMMER GREENHOUSE CLEANUP

I would appreciate it if everyone would take some time next week to clean up their greenhouse sections. Insect control is a part of this clean-up. If you have any questions or need any help, call me at 625-6756 and leave a message. Please make sure your sections are cleaned-up by July 15th. Thanks, Pamela Altermatt

DEATH

Chester Yee, age 69, died on Saturday, June 29. Chester worked in the Department of Agronomy and Plant Genetics for 8 years and for the U of M for 32 years. Flowers were sent by the Department.

ST. PAUL PHONE BOOK EXCHANGE

New St. Paul phone books will be arriving soon. If you would like new white and yellow page St. Paul phone books for your office please bring your old books to 411 Borlaug Hall and sign the sheet on the front desk indicating how many books you are returning. In an effort to increase re-cycling the books will be exchanged equally (one new book for one old book).

THANK YOU NOTE

Thanks to all who generously helped to make the Iowa State University grad student visit on June 27 a success. Dr. Fehr was very complimentary during a recent phone call. Deon Stuthman

MISSING EQUIPMENT

Some lab equipment is missing from 507 Bolog Hall:

- 1) Cellgrow Tissue Culture Rotator. Lab line model 1640 with drum to hold 150-16mm culture tubes.
- 2) 90° View Finder for Nikon 35 mm camera.

Anyone who knows the whereabouts of this equipment please contact Dr. Somers (5-5769) or Chris Donovan (5-8107).

THANK YOU NOTE

Very soon I and my family will be going home. I would like to thank everyone in the department of Agronomy and Plant Genetics: friends and colleagues faculty, civil service and graduate students for the help, support and the friendship that I enjoyed during my visit. I learned a lot from everyone of you. My sight is now good. With special equipment and computer software I will be able to function normally. I am planning to go to Morocco on July 15th. I will miss you all. Thanks again to all of you.

Mohamed, Fatiha, Sarah, and Naola Oussible

MORRIS FIELD DAY

The Summer Field Day at the West Central Experiment Station, Morris, Minnesota, is scheduled for Thursday, July 11. They are planning to serve pork chops instead of steak during the picnic. If you would prefer to have chicken rather than pork contact Lynne in 411 Borlaug Hall by Tuesday, July 9, so they can plan ahead.

STATE OF THE U OF M ADDRESS

President Nils Hasselmo will present the State of the University Address on Tuesday, September 24 at 4:00 p.m. in the Cowles Auditorium of the Humphrey Institute on the West Bank. A reception will follow. The speech will be broadcast to coordinate campuses. Mark your calendars.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Associate, Soybean Genetics, Pioneer Hi-Bred Int'l., Inc., Johnston, IA.
- Field Crops Technician, Cornell Cooperative Extension of Lewis County, B.S. level, Ithaca, NY.
- Assistant Professor - Tobacco Agromist, Virginia Polytechnic Institute and State University, Blacksburg, VA.
- Extension Weed Specialist, Washington State University Cooperative Extension, Mount Vernon, WA.
- Executive Director, Resident Instruction Section of the Division of Agriculture, NASULG, National Assoc. of State Universities and Land-Grant Colleges, Univ. of Wyoming, Laramie, WY.
- Temporary Research and Teaching Positions in the Dept. of Food Science, U of M, St. Paul MN.

Agronomy Gleanings

July 12, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

FRENCH STUDENTS VISITING

Two undergraduate students from France will be visiting the department for the summer and will be working with Deon Stuthman and Steve Openshaw. Please welcome Emmanuelle Barnerd and Stephane Dagan. They will be officed in 306 Agronomy.

FAREWELL COFFEE FOR FRANTZ

There will be a farewell coffee for Frantz Clotaire on Wednesday, July 17 in 306 Borlaug Hall at 3:00 p.m. Frantz has completed the M.S. in Plant Breeding.

NEW BABIES

Bill and Megan Rooney had a baby boy on Wednesday, July 3. He weighed 9 lbs. 7 oz. and they have named him William Lloyd. Congratulations.

Mark and Lisa Farnham had a baby boy on Thursday, July 11. He weighed 8 lbs. 3 oz. Congratulations.

ST. PAUL PHONE BOOK EXCHANGE

New St. Paul phone books will be arriving soon. If you would like new white and yellow pages for St. Paul for your office please bring your old books to 411 Borlaug Hall and sign the sheet on the front desk indicating how many books you are returning. In an effort to increase re-cycling the books will be exchanged equally (one new book for one old book).

WHERE ARE THE OLD PRELIMS?

Has someone borrowed the old Agronomy Prelim exams from the Agronomy Library? If you have them please return them immediately. Several students are in the process of studying for the exam this fall. If you are planning to take the exam and would like to study with a group please contact Sister Esther or Paul Peterson. Thanks.

PLANT BIOTECH CONSORTIUM

The Midwest Plant Biotechnology Consortium (MPBC) has announced its competition for 1992 research projects. Investigators from member research institutions are eligible to participate by presenting preproposals at the MPBC Symposium, November 12-14, 1991 in Indianapolis, IN. Check with Lynne in 411 Borlaug Hall for more information.

CHEAP COMPUTER SUPPLIES

One of the graduate students has found an inexpensive source for computer supplies, MEI/Micro Center. Floppy disks, printer ribbons, paper, labels, etc. are available for a lot less and the quality is good. One example: DD + HD 5.25 disks and DD + HD 3.5 disks are 21¢, 39¢, 35¢ and 59¢, respectively. Check with Lynne in 411 Borlaug Hall if you would like to see a catalog. The toll free number is 1-800-624-3478.

WOMEN IN AG SCIENCE MEETING

The next meeting will be in mid-September (TBA), when we will discuss proposals generated by the different groups. Peggy Egli

LOST BOOK

Has anyone borrowed a book from Dr. Gengenbach's lab, "Methods in Enzymology", Volume 182, Guide to Protein Purification? Please return it to 517 Borlaug Hall? Thanks.

DATA ENTRY JOB

Is anyone looking for a part-time job (20 hours per week)? The job involves computer reporting, data entry, sample intake, etc. and pays \$7.50 per hour. Contact Olga Stavrakis at Fresh Check, Inc., an Independent Food Testing Laboratory in Minneapolis, 349-9150.



"SOME OF US CONSIDER THE COST-BENEFIT, OR THE RISK-BENEFIT, BUT ~~WE~~ OPERATES ON THE JUST FOR THE HELL OF IT-BENEFIT METHOD."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Interim Leader, Minnesota Sea Grant Extension Program, Duluth, Minnesota.
- Dairy and Livestock Agent, Grant County, Wisconsin Cooperative Extension, Madison, WI.
- Research Association (permanent budgeted position), M.S. in Plant Path or related field, Texas A&M Univ., Texas Ag. Experiment Station, Weslaco, TX.
- Associate Dean for Research in the College of Agriculture, U of M, St. Paul.
- Asst. Prof. of Soil Classification and Genesis, Dept. of Agronomy and Horticulture, New Mexico State Univ., Las Cruces, NM.
- Interdisciplinary Research Agronomist/Animal Scientist, USDA, ARS, Appalachian Soil and Water Conservation Research Lab, Beckley, West Virginia.
- Agronomist, USDA, ARS, Appalachian Soil and Water Conservation Research Lab, Beckley, West Virginia.
- Director, Division of Regulatory Services, Univ. of Kentucky, College of Ag., Lexington, KY.

Agronomy Gleanings

July 19, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

JOHN GOODDING HOSPITALIZED

Dr. John Goodding had heart bypass surgery on Thursday, July 18 at St. Mary's (Riverside Medical Center) in Minneapolis, Minnesota. He is doing well but is still in intensive care. He can probably have visitors next week.

CONGRATULATIONS DON DEETZ

Donald Deetz, a graduate student working with Hans Jung, was awarded a Doctoral Dissertation Fellowship from the Graduate School. Don is working toward the Ph.D. in Animal Science and his dissertation topic is, "Chemical and Physical Parameters of Forage Fiber which Limit Bacterial Fermentation and Enzymatic Hydrolysis."

HOWARD RINES PROMOTED

Congratulations to Dr. Howard Rines who was promoted by the USDA-ARS to level GS13.

FORAGE SYMPOSIUM REMINDER

Abstracts for the International Symposium on Forage Cell Wall Structure and Digestibility to be held October 7-10, 1991, in Madison, Wisconsin, are due August 1. The program includes 20 invited speakers from around the world who are experts on the chemistry and digestibility of forage fiber. Contact Hans Jung (5-8291) for further information.

ST. PAUL PHONE BOOK EXCHANGE

New St. Paul phone books will be arriving soon. If you would like new white and yellow pages for St. Paul for your office please bring your old books to 411 Borlaug Hall and sign the sheet on the front desk indicating how many books you are returning. In an effort to increase re-cycling the books will be exchanged equally (one new book for one old book).

The new books should be here on Monday, July 22. We will put new books in your mailbox with your name on them if you have signed up.

BURSAR'S OFFICE CLOSED

The Bursar's Office (St. Paul and Minneapolis) will be closed on August 1 and August 8 from 8 a.m. to 1:00 p.m. for a retreat. This includes the cashier's office, check disbursement, student loan collections, and student accounts receivable.

GRAD CLUB BEACH PARTY

The Grad Student Club is planning a day at the beach next Saturday, July 27, at Lake Josephine. The fun begins at 12:00 noon. Put down the pollination and harvest bags and relax in the sun for a change. Bring the whole family. Bring snacks and drinks for refreshments. If you need rides or have any questions contact Phil Schwab or Sandra Milach.

NEW DIRECTOR OF AURI

Richard Nelson of Lakeland, Florida, has been chosen to serve as Executive Director of the Agricultural Utilization Research Institute (AURI), based in Crookston, Minnesota. He will be in charge of coordinating research initiatives and projects.

ASA MEETINGS

Is anyone planning to drive to the ASA meetings in Denver, Colorado, October 27-November 1. Please leave a message for Lynne in 411 Borlaug Hall if you are driving and would like a passenger.

FEMALE ROOMMATE FOR ASA

Susanne Zurcher, a student from Switzerland, will be arriving in St. Paul in August and would like to find a female roommate for the ASA meetings in Denver. Please contact Michael Russelle (5-8145) for further information. Thank you.

SUSTAINABLE AG. PREPROPOSALS

The Leopold Center for Sustainable Agriculture, in Ames, Iowa, is accepting preproposals for FY 1993 grants, August 15-13, 1991, final proposal deadline is November 1, 1991. Check with Jeanne Davy in 411 Borlaug Hall for a copy of the proposal guidelines.

ST. PAUL HOUSING OFFICE

The off-campus housing division is now open in the Office for Student Affairs, 190 Coffey Hall, St. Paul Campus. Check it out for listings of available rooms, apartments, houses, and general housing questions. Hours are 8:00 a.m.-4:15 p.m M-F. This service is offered from June 5 to September 20. At other times, contact Housing Services, Comstock Hall East, Minneapolis Campus 624-2994.

NEW BABY

Emily Hoover and Jim Luby from Horticulture had a baby boy on July 2. They have named him Ian Hoover Luby and he weighed 7 lbs. 14 oz.

RENOVATION OF 335

Renovations will begin in the large auditorium, 335 Borlaug Hall, on Tuesday, July 23. They will be renovating the heating system to try to correct some of the temperature problems in this room caused by poor construction. The work will be done by C.O. Field Company (directed by Charles Peterson 824-2631). If there are any scheduling conflicts contact Steve Green at 625-8347.

PLANT RESISTANCE TO INSECTS

The 10th biennial Workshop - Plant Resistance to Insects will be held in Indianapolis, Indiana, on February 23-27, 1992. Pre-registration is due by January 15, 1992. Check the bulletin board for information.

KIM HILDEBRANDT IS BACK

Kim Hildebrandt is back working in the department for the summer. She is working as an assistant scientist with John Gronwald until mid-September when she will start a permanent position in Microbiology, Minneapolis Campus.

NEW PERSON

Please welcome Sheila Lutz to the department. Sheila is working as a Assistant Scientist in Burle Gengenbach's lab, 517 Borlaug Hall.

SEMINAR

Soil Science Seminar: The spatial and temporal distribution of solar radiation in Minnesota, by Matthew Meene, Monday, July 22, 1:00 p.m. S415 Borlaug Hall.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- RFLP/Isozyme Electrophoresis Technician position available with Cargill Hybrid Seeds, Aurora, Illinois.

- Cooperative Extension Farm Advisor/County Director - Natural Resources, Plumas-Sierra Counties, Quincy, CA.

- Research Geneticist/Plant Physiologist in alfalfa, USDA-ARS, Dept. of Agronomy, U of M, St. Paul.

- Asst./Assoc./Univ. Extension Agent, Univ. of Wyoming, Wind River Indian Reservation, Ft. Washakie, WY.

- 4-H program assistant, Univ. of Wyoming, Wind River Indian Reservation, Ft. Washakie, WY.

- Asst. Prof. of Soil Classification and Genesis, Dept. of Agronomy & Horticulture, New Mexico State Univ., Las Cruces, NM.

- Research Fellow - Soil Chemistry, U of M, Soil Science Dept., St. Paul, MN.

- Special Assistant to the Provost and Senior Vice President for Academic Affairs and to the Director of Equal Opportunity and Affirmative Action, U of M, Minneapolis.

- Asst./Assoc. Prof. - Tobacco Agronomist, Dept. of Agronomy and Soils, Clemson Univ., Pee Dee Research and Education Center, Florence, SC.

- Research Specialist in Agriculture (Plant Biochemistry/Genetics), Dept. of Hort., Univ. of Illinois, Urbana, IL.

- Research Agronomist, USDA-ARS, Crop Simulation Research Unit, Mississippi State, Mississippi.



"WE JUST DON'T GET INVOLVED WITH THINGS LIKE DOUBLE-BLIND TESTS AND PEER REVIEW. WE'RE JUST A LITTLE MOM-AND-POP LABORATORY."

Agronomy Gleanings

July 26, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

JOHN GOODDING HOME

Dr. Goodding is home from the hospital and doing very well. His doctor told him he would probably be back out on the golf course by the end of August.

DINNER HONORING PHILLIPS

The Southern Experiment Station will hold a special dinner and presentation by Dr. Ron Phillips on Thursday, August 8, 1991, at the American Legion Club in Waseca, 6 p.m. social hour, 7 p.m. dinner, 8 p.m. presentation. This event is in recognition of Dr. Phillips' recent election to the National Academy of Science. He will discuss the developing field of biotechnology in the genetic engineering of corn and what can be expected in the future for corn producers. Faculty are welcome to attend this event. RSVP to the Southern Experiment Station by August 2. Cost is \$8/person.

NEW BABY

Kate and Warren Plaisance had a baby boy, Eric Bruno, 7 lbs. 1 oz., 19 1/2 inches long on July 23, 1991. Congratulations.

WEDDING

Orvin Burnside and Clarice Rude will be married on August 10 at 4 p.m. in Immanuel Lutheran Church in Audubon, Minnesota. Congratulations.

NEW FAX NUMBER FOR MORRIS

The West Central Experiment Station has a new FAX number, (612) 589-4870 (no extension number needed). Please make this change on your phone list.

GRAD CLUB BEACH PARTY

The Grad Club Beach Party will be held at Lake Johanna. Come out to Lake Johanna this Saturday, July 27 at 12:00 p.m. for an afternoon of fun in the sun. Tony Schmidt Park is located on County Road E just west of Snelling Avenue. There is parking available. The park has a swimming area, playground equipment, picnic tables and grills, and a softball field. Bring along sports equipment or food as you desire. Hope to see you there! Please be sure to note the change in location.

MALE ROOMMATE FOR ASA

Curt Nyegaard, county extension agent-agriculture, is looking for a roommate for the ASA meetings. Please call him at 218-843-3674.

CONGRATULATIONS TO DALE HICKS

Dale Hicks has been selected to receive the 1991 Robert E. Wagner Award for Efficient Agriculture from ASA. He will receive this award during the ASA Annual Meetings in Denver, Colorado, on October 30.

THANK YOU NOTE

I want to take this opportunity to thank the staff from the department who helped with our Summer Field Day. We had over 500 visitors who went on tours and observed the exhibits. Rain was expected all day, but it held off until 3 p.m. when 1.8 inches of rain poured. All the visitors were on their way home before the rain, but one agronomy speaker wanted to stretch his luck, and got stuck in the barley plots during the rain. I used to think that maturity equaled common sense, but I now know that is false. The variety tour and the weed control tour were kept very busy as 10 or 11 double wagons went on each tour. The weed control speakers even called for water before we had it delivered. Thank you again for the help from the department. We cannot put on a good field day without substantial help from the department. Dennis Warnes

AGNES HANSEN AWARD

Applications are due September 1, 1991, for the next Agnes Hansen Award for Graduate Women in Science. This is an annual travel award of between \$100-300 open to any female graduate student in Minnesota engaged in scientific research, but preference is given to active members of Xi Chapter, Sigma Delta Epsilon. Check the bulletin board for information.

TRAVEL TO IRELAND

The USDA is now in the process of soliciting proposals for travel to Ireland in FY 1992. This is a cooperative effort with the USDA and the Republic of Ireland in agricultural science and technology. Under the program the USDA pays for about 50% of the travel costs for U.S. ag. specialists to visit Ireland for 1-6 weeks to exchange information and work together on projects of mutual interest. The government of Ireland funds the visits of Irish specialists to the U.S. Proposal are due September 9, 1991. Check with Lynne in 411 Borlaug Hall for more information.

FARM BUREAU EXPO

The American Farm Bureau Research Foundation is inviting researchers from all parts of the country to present poster papers on their research projects at the American Farm Bureau National Annual Meeting on January 12 and 13, 1992, in Kansas City, Missouri. This will be a unique opportunity for scientists to display their research and discuss their ideas with over 6,000 active farmers and ranchers representing every state. The deadline to submit an application is August 31, 1991. Check with Lynne in 411 Borlaug Hall for more information.

PHONE NUMBER CORRECTION

The phone number listed in the July 12 Gleanings for the cheap computer supplies was incorrect. The number for MEI/Micro Center is 1-800-634-3478.

COUNSELING SERVICES

University Counseling Services and the Mental Health Clinic of Boynton Health Service offer a wide range of counseling services to University students. These organizations can help student to learn how to manage stress and to respond more effectively to challenging and difficult situations. They offer workshops, individual and group counseling and crisis counseling. They will also consult with faculty members who have questions on how best to approach students who show signs of emotional problems. The phone number for University Counseling Services is 624-3323 in Eddy Hall, 625-3115 in Coffey Hall. The telephone number for the Mental Health Clinic at Boynton Health Service is 624-1444, and the Crisis Counseling Center.

NATIVE PLANTS COLLOQUIUM

The Dept. of Horticultural Science and the Minnesota Landscape Arboretum invite participation in a Native Plants Research Colloquium, on Monday, September 16, 1991, at the Arboretum in Chanhassan, Minnesota. Extension, research and industry representatives are invited to give oral or poster presentations or exhibits relating to native plants. Send a proposed title and brief summary with your registration by September 6 to the Native Plants Research Colloquium, Minnesota Landscape Arboretum, 3675 Arboretum Drive, P.O. Box 39, Chanhassan, MN 55317. The registration fee is \$20.

No matter how important you think you are or how many awards you receive, if you remember one thing, it will keep you humble. The size of your funeral will depend on the weather that day.

BURSAR'S OFFICE CLOSED

The Bursar's Office (St. Paul and Minneapolis) will be closed on August 1 and August 8 from 8 a.m. to 1:00 p.m. for a retreat. This includes the cashier's office, check disbursement, student loan collections, and student accounts receivable.

SEMINAR

Monday Special Seminar

July 29 Pattern analysis for the analysis of two-way data from plant breeding field trials.

Ian DeLacy, Senior Tutor in Plant Breeding and Genetics, Univ. of Queensland, Australia, in 306 Borlaug Hall at 9 a.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Asst. Prof. of Agronomy, Molecular Geneticist on plants of agricultural importance, Purdue University, West Lafayette, IN.

- Asst. Prof. - Soil Physical-Colloidal Chemist, Dept. of Agronomy, Purdue Univ., West Lafayette, IN.

- Asst. Prof. - Soil Organic Chemist, Dept. of Agronomy, Purdue Univ., West Lafayette, IN.

- Project Design Officer, Centro Internacional de Agricultura Tropical (CIAT), Cali, Colombia.

- Regional Coordinators for the International Board for Plant Genetic Resources (IBPGR) based in Nigeria, India, and at CIMMYT in Mexico.

- Assistant Station Manager, Pioneer Hi-Bred International, Carrollton, Missouri.

- Assistant Professor, Extension Agent, Pomology/Horticulture, Oregon State Univ., Extension Service, Hood River County, Oregon.

An arrogant young woman wired home from her new job: "Made supervisor; feather in my cap." A few weeks later she wired again: "Made manager; feather in my cap." Then, after a few weeks more she sent another: "Fired; send money for ticket to fly home."

Her parents wired back: "No ticket necessary. Use feathers." ■

A son wanted to follow in his father's footsteps—until he realized Dad was wearing work shoes instead of loafers.

Agronomy Gleanings

August 2, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEW BABY

Jeff and Susan Roessler had a baby girl on July 31, 1991. She weighed 8 lbs. 2 oz. and they have named her Carly Rose. Congratulations.

THANK YOU NOTE

Friends in Agronomy - Thank you for the flowers I received while in the hospital.
Emmanuelle Dagan

GORTNER DETOURED WEDNESDAY

Folwell Avenue will be closed from the Entomology driveway to Gortner on Wednesday and Thursday, August 7 and 8, 1991. On Thursday, August 8 Gortner will be detoured to the main road east by the Nuturf Building and then back on Hendon Avenue. This change will be in effect to accommodate the Minnesota Nursery and Landscape Association Annual Meeting on the St. Paul Campus. 1000-1200 people are expected to attend. 100-110 commercial exhibits will be on display on the lawn and street outside the lower entrance to Alderman Hall. Tractors and trailers will be used to transport people from the Fairgrounds parking lot to Alderman Hall and all field plot tours.

DEATH

Gene Pilgram died on Sunday, July 25 at his home in Watertown. Dr. Pilgram was formerly an Extension Agronomist. The Pilgram's home address is 1675 Sally Avenue, Watertown 55388-9191. Mrs. Pilgram (Phyllis) and her family will welcome hearing from their many friends and colleagues.

ACCIDENT REPORTS

If you have an accident while at work please make sure you fill out an accident report with Judy Slyter in 406 Borlaug.

GROWTH CHAMBER USERS

When you are finished using a growth chamber please make sure you inform someone from the Growth Chamber Committee (John Gronwald, Sue Miller, Jeff Roessler, Donn Vellekson). Your project will continue to be charged for the use of the chamber until you have notified a committee member. Also, other projects may be waiting to use the chamber space. Thank you.

SECURITY IN CROPS RESEARCH

Several times in the last few weeks garage doors have been left open in the Crops Service Building. This has been reported late in the evening and on Saturdays. Also lights have been left on and the exhaust system is not shut off. If you or someone on your project is the last person working in the building please close the doors, and shut off the lights. Tell the students on your project that they are responsible for the doors, cleanup, etc. when they are finished. This building is very busy at this time of year, with people from many projects, in several departments using equipment and dryers, often returning late in the day. You cannot assume someone is going to come by and close up after you've been there. The samples or equipment that are vandalized or stolen may be yours! **PROJECT LEADERS:** Please inform everyone on your project of the problem, and of their responsibility in correcting it. Tom Warnke

ROSEMOUNT VIP PICNIC

The Rosemount VIP Picnic will be held on Thursday, August 15, 1991 starting at 5:30 p.m. The purpose of the picnic is to provide all St. Paul Campus personnel who have little opportunity to visit the station with a better understanding of the Rosemount operation. If you want to attend make reservations with Kathy Donahue, 220 Coffey Hall, 625-4211 or Karen Schuller 423-2455 by August 12.

CALL FOR PREPROPOSALS - 1992

The Sustainable Agriculture Research and Education Program for the North Central Region is now calling for 1992 Preproposals for **LISA** (Low-Input Sustainable Agriculture) and **ACE** (Agriculture in Concert with the Environment). A single call for preproposals is being used this year for both LISA and ACE research and education projects. The Administrative Council encourages preproposals with inter-disciplinary linkages involving both the public and private sectors. The deadline is September 6, 1991 for receiving 20 copies of your preproposal at the University of Nebraska-Lincoln. Check with Jeanne Davy in 411 Borlaug Hall for guidelines and evaluation criteria.

VISITORS TO DEPARTMENT

Please welcome two visitors from Brazil to our department. **Dr. Luiz Federizzi** is an oat breeder and teaches plant breeding and genetics at the Federal University of Rio Grande do Sul in Porto Alegre, Brazil. He will be visiting for the next two weeks. He is officed in 202 Borlaug Hall. Also welcome **Miss Magali Grando**. She is a teacher of genetics in the Agronomy Department at the University of Passo Fundo in Passo Fundo, Brazil. She conducted her M.S. degree on wheat anther culture. She will be visiting the department for the next two months and will be officed in 200 Agronomy. Both individuals will be visiting mainly with Howard Rines' project.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Associate Dean of Agriculture and Associate Director of Experiment Station Research, North Dakota State University, Fargo, ND.

- Ag. Marketing Specialist, Nebraska Department of Agriculture, Lincoln, NE.

- Associate Vice President-Programs, Division of Agriculture and Natural Resources, Univ. of California, Oakland.

- Two openings for laboratory technicians with Pioneer Hi-Bred International, Inc., Oil Chemistry Laboratory, Johnston, IA.

- Biological Technician with USDA-ARS in Kimberly, Idaho, to work in the area of physical edaphology, the study of plant response to soil physical properties. B.S. or M.S. level. Closing date August 19.

- Research Geneticist (Plants), USDA/ARS, Northern Plains Area, Cereal and Crops Research Unit, Bozeman, MT.

- Area Extension Specialist, Farm Business Management, through Cornell University, Livingston County, Mount Morris, NY.

- Vegetable Crops Agent, Cornell University, Cooperative Extension, Orange County, Middletown, NY.

- Assistant Scientist, Environmental Biology Program, Boyce Thompson Institute for Plant Research at Cornell University, Ithaca, NY.

- Research Associate, Univ. of Arkansas, Rich Research and Extension Center, Stuttgart, AK.

BUHLER MOVED TO NEW OFFICE

Doug Buhler has moved his office from 130 Borlaug Hall to 305 Agronomy. His phone number is still the same.

PLANT BREEDING TOUR

Graduate Students - Don't forget to sign up for the Fifth Annual Summer Plant Breeding Tour on August 27-29. Get details and return your form to Jean Swanson in 411 Borlaug by August 8 to reserve a spot.

WARNES HONORED

Dennis Warnes was honored as a 1991 "Top Aggie" in recent ceremonies at the Northwest School of Agriculture. Congratulations.

CHERRYWOOD ROOM REMODELING

The Cherrywood Room will be closed after lunch on Friday, August 16 until Monday, September 16 for remodeling.

VOLUNTEERS TO WORK AT FAIR

University Relations is asking for cooperative and informed volunteers to work at the U of M booth at the Minnesota State Fair in the Education Building. Faculty, staff, or student volunteers are asked to spend 4 hours at the booth. The fair begins August 22 and ends September 2. The shifts are 8:30 a.m.-12:30 p.m., 12:30-4:30 p.m. and 4:30-9:00 p.m. You will receive free admission to the fair. Please let Lynne Medgaarden in 411 Borlaug know if you are interested by August 5.

VIKINGS TICKETS FOR SALE

2 Vikings tickets for sale, \$25 each for Saturday, August 10. Seats are upper deck, end zone, under the scoreboard. Call Muriel at 625-5211.

CONGRATULATIONS TO DR. OELKE

Ervin Oelke has been selected as a Fellow of CSSA. He will receive this award during the ASA/CSSA/SSSA Annual Meetings in Denver, Colorado.

T.T. CHANG TO BE HONORED

T.T. Chang has been selected to receive the International Service to Crop Science Award from CSSA at the annual ASA/CSSA/SSSA meetings in Colorado. He was nominated for this award by Dr. Ronald Phillips.

SAFETY CONCERN

Peroxide deposits can form around the mouths of bottles containing ether-linked organic solvents. These peroxides are very reactive and are liable to cause explosions due to sudden shocks - even as a result of unscrewing the cap. If you believe that you have this situation, call the Department of Environmental Health and Safety at 626-6002 for assistance in identifying, removing, and disposing of these compounds.

THANK YOU NOTE

Sincere thanks to all Agronomy Department Staff who participated in our Field Day activities at Grand Rapids. Four stop speakers did an excellent job (as usual) and all cooperative research projects helped reinforce a positive image of our experiment station and the University. Russ Mathison

SEMINAR

Thursday Aug. 8	<u>Forest Resources Seminar</u> Development of management policies by people's participation: A new approach for the management of national parks in Nepal. Narayan Poudel, Graduate Student in Forest Resources, in 100 Nat. Resources at 3:00 p.m.
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DEADLINE AVAILABLE

Faculty: We have received the newest copy of DEADLINE, the quarterly listing of sponsored program deadline information previously included in the RESEARCH REVIEW. Please check with Jeanne Davy in 411 Borlaug Hall if you would like to see this publication.

Agronomy Gleanings

August 9, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

A NOTE FROM KENT

We have received word that my appointment as head of the Department of Agronomy and Plant Genetics has been approved. I am deeply appreciative of the support you have given me while serving as Interim Head, and for your encouragement to continue in the position. We have many challenges and opportunities ahead of us; I look forward to serving and assisting all of you as we meet and fulfill them.

R. Kent Crookston

PLANT BREEDING TOUR

Graduate Students - Don't forget to sign up for the Fifth Annual Summer Plant Breeding Tour on August 27-29. Return your form to Lynne Medgaarden in 411 Borlaug to reserve a spot.

GRAD STUDENT SUMMER PICNIC

The graduate students will hold their summer picnic on Tuesday, August 13, from 5:30-9:30 p.m. in Central Park, Roseville (Jaycee Shelter). Games and beverages will be provided. Bring your own meat to grill and a dish to share. See Phil Schwab or Sandra Milach if you need a ride or have questions.

DEPARTMENT PICNIC CANCELLED

The faculty decided at their August 7 meeting that we will not hold a departmental picnic this fall.

CONGRATULATIONS TO HARDMAN

Congratulations to Lee Hardman who received the Extension Education Meritorious Service Award from the American Soybean Association at their meeting last week in Nashville, Tennessee. This award recognizes his outstanding educational contribution to soybean growers in Minnesota as well as other members of ASA. He was cited for his carefully planned, organized and well delivered programs which focus on the changing needs of soybean farmers. Special note was made about his close working relationship with the Minnesota Soybean Research and Promotion Council and the Volunteer Soya Professionals. The plaque he received at the Awards Ceremony on July 29, 1991, will be on display in the main office for the next few days.

CONGRATS TO MURIEL & MARILYN

Congratulations to Muriel Mapes who was promoted from Word Processing Operator to Word Processing Specialist. Congratulations to Marilyn Hole who was reclassified from Sr. Secretary to Sr. Accounts Assistant.

THANK YOU NOTE

Megan and I would like to thank you for the Minnesota sweatsuit for young Will. Once those cold winter days start to appear, it will be nice to have a warm and stylish baby! Thanks so much.

Bill, Megan and Will Rooney

CONSTRUCTION ON MPLS CAMPUS

There will be construction on Washington Avenue on Minneapolis Campus from August 1 to September 15. There will be no parking along Washington during this time and traffic will be restricted to one lane.

WELCOME GRADUATE STUDENT

Please welcome Oscar Riera-Lizarazu from Bolivia to the department. He will be working toward the Ph.D. with Dr. Howard Rines. He received the B.S. and M.S. from Utah State University. He will be officed in 413 Agronomy.

BRING BACK THE PUNCH BOWL

Has someone borrowed the punch bowl from the kitchen in 302 Borlaug? Please return it immediately. Thank you.

PROJECT MINNEXT

The Microcomputer and Workstation Networks Center is not calling for proposals for the Project MinNeXT. This project is the latest development initiative for academic software at the U of M. It will allow faculty access to 15 NeXTstation computers to develop software that can be used within their discipline. Proposals are due September 27, 1991. Check the bulletin board for information.

FREE WOOD

Need logs for your fireplace?? Check with Dr. Robert Stucker, he has free wood available.

INFORMAL DISCUSSION

Dr. Luis Federizzi will discuss the Oat Program at the Federal University of Rio Grande do Sul, Brazil, on Monday, August 12 at 11:00 a.m. in 306 Borlaug Hall.

APPLICATIONS TO JOIN ASA

We have applications available in the main office for anyone interested in joining ASA, CSSA, or SSSA.

SYMPOSIUM ON BIOTECHNOLOGY

The Fourth International Symposium on Biotechnology and Plant Protection is scheduled for October 21-23, 1991, at the University of Maryland, College Park, MD. This symposium is sponsored by the Univ. of Maryland, USDA, and Monsanto. Register early as space is limited to 200 people. Check the bulletin board for information.

FAREWELL COFFEE

There will be a farewell coffee for Mark Farnham on Friday, August 16 at 9:30 a.m. in 306 Borlaug Hall. Mark has accepted a position with the USDA Vegetable Research Station in Charleston, South Carolina.

CALL FOR PAPERS

The North Dakota State University Water Quality Task Force is asking for proposals for papers and posters to be presented at the North Dakota Water Quality Symposium 1992, March 25-26, Bismarck, ND. Proposals should be submitted by September 27, 1991. Check the bulletin board for details.

NEW HEAD AT SOUTH DAKOTA

South Dakota State University has named Dr. Fred A. Cholick to the position of Head, Department of Plant Science, effective August 1, 1991. Dr. Cholick replaced Dr. Maurice L. Horton who assumed a position with the USDA CSRS in Washington, D.C. in March.

SEMINAR

Monday Soil Science Seminar
Aug. 12 Whole farm nitrogen model.
Jonathan Haskett, 2:00
p.m. in S415 Soil Science.

NECESSITY IS THE MOTHER OF TEAMWORK

The loaded station wagon pulled into the only remaining campsite. Four youngsters leaped from the vehicle and began feverishly unloading gear and setting up a tent. Two of the kids then rushed off to gather firewood, while the other two and their mother set up the camp stove and cooking utensils.

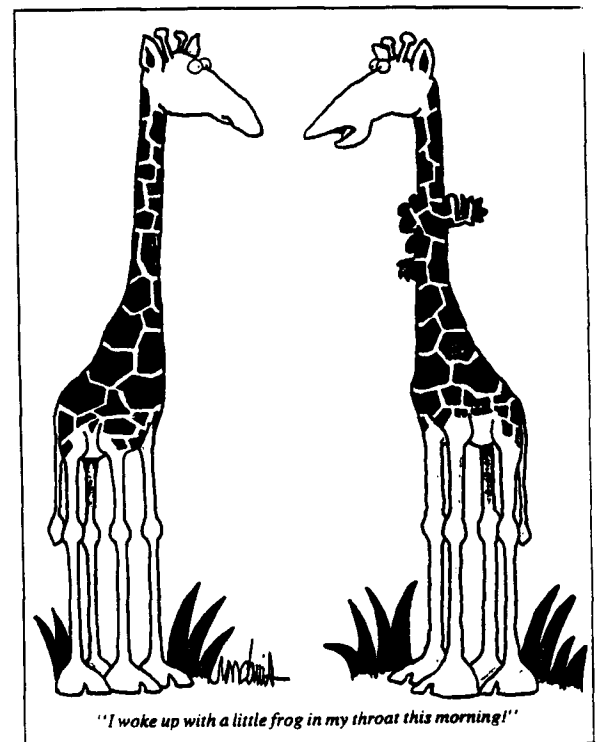
A nearby camper marveled to the youngsters' father: "That, sir, is some display of teamwork."

"I have a system," the father replied. "No one goes to the bathroom until the camp is set up."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Soil Fertility/Sustainable Agriculture Specialist, Panhandle Research and Extension Center, Univ. of Nebraska, Lincoln, NE.
- Plant Molecular Cytogeneticist, Dept. of Agronomy, Univ. of Nebraska, Lincoln, NE.
- Research Assistant, (full-time) to organize a new wet-chemical lab and study land-use changes on soil C and N dynamics and on soil emissions of greenhouse gases, The Wood Hole Research Center, Woods Hole, MA.
- Assistant to the Dean for Administration, School of Business and Economics, U of M, Duluth.
- Agronomist needed for Dickinson Research Center, Dickinson, ND.
- State Extension Specialist in Sustainable Agriculture, Nevada Cooperative Extension, Univ. of Nevada, Reno, NV.
- Postdoc position to study conifer biotechnology stable transformation through electroporation, National Research Council Canada, Saskatoon, Canada.



Bits and Pieces.

Agronomy Gleanings

August 16, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

PH.D. THESIS DEFENSE

"Multifoliolate trait in alfalfa: Effect on herbage yield, quality, and morphology, and its response to environmental factors", by Tony Juan on Thursday, August 22, in 306 Borlaug Hall at 9:00 a.m.

PLANT BREEDING TOUR

There are still a couple of slots on the Plant Breeding Tour on August 27-29. Lodging and transportation are provided, you will be responsible for your meals, except for two lunches. Stops include Plant Science Research, Green Giant, Asgrow, Sisters of Mercy Farm (Sister Esther's home), Mike Willette's farm, Commissioner Redalen's farm, Holdens and Northrup King. We will depart by 7:30 a.m. on Tuesday, August 27 and return by 5:00 p.m. Thursday, August 29. The only requirement is an interest in plant breeding. For more details contact Jean or Lynne in the office as soon as possible. Expect an interesting and enjoyable tour. Deon Stuthman

CSRS REVIEW

The Department of Agronomy and Plant Genetics will undergo a CSRS review next year, probably in April. Mark your calendar and watch for further information.

NEW ADDRESS FOR CORN GROWERS

The Minnesota Corn Growers Association has a new address: 14198 Commerce Avenue, NE; Prior Lake, MN 55372-1439. Please make this change in your records.

WELCOME TO LEILA MOFFETT

Please welcome Leila Moffett to the department. She will be doing secretarial work with Vicky Mackerman in the USDA office (403 Agronomy).

WELCOME DR. STANFORD

You may have noticed a new nameplate outside 418 Agronomy (formerly Crookston/Oussible office). Dr. Melvin Stanford will be officed there for the coming academic year; he is on sabbatical leave from Mankato State University where he served 7 years as Dean of the Business College. He is active in the North American Case Researchers Association (president 1987-88). He will spend his sabbatical helping College of Agriculture faculty research and write decision cases.

VISIT DR. BURNHAM

Dr. Comstock reports that Dr. Burnham is doing very well and would welcome more visitors. He is currently living at the Golden Age Health Care Center, 1415 W. County Road B in Roseville.

RUTH MOTT FUND

Grants averaging approximately \$20,000 and ranging up to about \$60,000 are available under the Ruth Mott Fund's environmental program. Upcoming proposal deadlines include November 7 and March 15. Current priorities are: (1) Sustainable Agriculture, including (a) helping farmers adopt sustainable agriculture methods, (b) educating the public about the importance of sustainable agriculture, and (c) promoting genetic diversity in agriculture; and (2) Global Deforestation, particularly public education activities that encourage environmental and cultural responsibility in government and financial policymaking affecting tropical rain forests. For more information, including proposal guidelines contact: Ruth Mott Fund, 1726 Genesee Towers, Flint, Michigan 48502 (telephone 313-232-3180).

GRANTS

Applications are invited for water research projects under the Water Resources Research Grant Program in the Federal Register. Applications are due November 19, 1991.

The American-Scandinavian Foundation has announced their program for grants and fellowships for advanced study and research in the Scandinavian countries. Awards range from \$2,000 to \$120,000. Check with Jeanne Davy for more information on either of these or other grants.

FALL WINE AND CHEESE WELCOME

Mark your calendars. The Fall Wine and Cheese Welcome Get-Together will be held on Friday, October 11 at 3:30 p.m. in 306 Borlaug Hall. More information will be provided later.

FIELD DAYS

The Fall Field Day at the West Central Experiment Station (Morris) will be Tuesday, September 10. The Fall Field Day at the Southwestern Experiment Station (Lamberton) will be Wednesday, September 11. The Corn and Soybean Field Day program at the Southern Experiment Station (Waseca) will be held on Thursday, September 12.

LABOR DAY APPROACHING

The University will be closed on Monday, September 2, in observance of the Labor Day holiday.

ADMISSIONS REVIEW REPORT

We have a copy of the Report of the Admissions Review Committee, which has just completed an extensive review of the entire central and collegiate admissions process. If you would like to see this report check with Lynne in 411 Borlaug Hall. In relation to this we also have a position description for the position of Director of Admissions at the University of Minnesota.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Associate Academic Vice President for Agriculture and Outreach Programs and Dean of the College of Agricultural Sciences (AAVP/Dean), Colorado State University, Fort Collins, CO.
- Senior Research Associate, Dept. of Plant and Soil Sciences, Southern University and A&M College, Baton Rouge, LA.
- Associate Dean of Agriculture and Associate Director of Experiment Station Research, North Dakota State University, College of Agriculture, Fargo, ND.
- Asst. Dean of Resident Instruction, College of Agriculture, University of Illinois at Urbana-Champaign, IL.
- Post doc position in pesticides and soils to work at the North Central Experiment Station in Morris. Contact Alan Olness at 612-589-3411 x31.
- Asst./Assoc./Full - Cooperative Extension Specialist, Fruit and Vegetable Products, Dept. of Food Science, University of California-Davis, Davis, CA.
- Head, Dept. of Agriculture, Northeast Louisiana University, Monroe, LA.
- Asst./Assoc. Professor of Ag. Economics/Agribusiness, Dept. of Agriculture, Northeast Louisiana University, Monroe, LA.
- Asst./Assoc. Prof. in Agronomy/Plant Science/Horticulture, Dept. of Agriculture, Northeast Louisiana Univ., Monroe, LA.
- Extension Soil Conservation Specialist, Dept. of Agronomy, Purdue Univ., West Lafayette, IN.
- Extension Landscape Specialist, Dept. of Horticulture, College of Tropical Ag. and Human Resources, Univ. of Hawaii at Manoa, Honolulu, Hawaii.

My sister-in-law had brought her three older children along to the doctor's office when it was time for her infant son's four-week checkup. Another mother remarked to her about her lovely children, whereupon the oldest proceeded to make introductions: "I'm Jamie and I'm four. This is Erica, she's two. This is Patrick, he's one. And this is Jonathan . . . he doesn't have a number yet."

SHARON M. CLARK
MONTAUR FALLS, NEW YORK

Agronomy Gleanings

August 23, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

SUE MILLER PROMOTED

Congratulations to Sue Miller on being promoted from Scientist to Sr. Scientist.

HOSPITALIZED

Connie Strand was hospitalized for minor surgery earlier this week. She will be at home recovering for the next two weeks. Flowers were sent by the Flower and Gift Committee.

NEW BABIES

John and Maritess Lindquist had a baby boy on Monday, August 19. He weighed 7 lbs. 13 oz. and they have named him Salvador Nollora. Congratulations

Pam and Darren Groth had a baby boy on Thursday, August 22. He is named Joshua Daniel and he weighed 6 lbs. 14 oz. Congratulations.

DUPLEX FOR RENT

Lower duplex for rent, within short walking distance to campus, 2 bedrooms, 1539 Branston St., \$900 (includes utilities). Call Sarah Mertz at 644-7797 for more information.

GROUP COUNSELING PROGRAM

University Counseling Services will offer several group counseling programs this fall: Self-Esteem, Self-Hypnosis, Anti-Procrastination, Dissertation/Thesis Support, Men's Support, Women's Support, Relationship Groups for Women, Self-Hypnosis. For more information check the bulletin board or call 624-3323.

TA INVENTORY

Attention Graduate Students: Each of you received a survey in your mailbox from Dr. Stuthman, dated August 19, asking about your Teaching Assistant involvement and interest. Please put your name on the form when you turn it in. Also, if you have already submitted a form without your name please see Jean at the front desk in 411 Borlaug and identify your form. Thank you.

THOMPSON FARM FIELD DAY

The Thompson Farm near Boone, Iowa, will hold their 8th Annual Fall Field Days on September 5 and 6. These field days are sponsored by Rodale Institute Thompson On-Farm Research Practical Farmers of Iowa. Check the bulletin board for more information or talk with Drs. Crookston or Stuthman. They have both attended in the past and say it is a very educational experience.

HISTORICAL GARDENING

Learn what has happened to old seed varieties at the Minnesota Historical Societies' Oliver H. Kelley Farm special event, "Seeds from the past: Historical Gardening", on Sunday, August 25 from 1-4 p.m. Staff gardeners will discuss early sources of seed and will demonstrate seed-saving techniques. The Kelley Farm is located 2 1/2 miles southeast of Elk River on US Hwy 10. They will also hold a "Pioneer Threshing" demonstration over the Labor Day Weekend, August 31, Sept. 1 and 2 from noon to 4 p.m.

VIRUS IN THE COMPUTER ROOM

Warning: On August 7 a CDEF virus was detected on the MacIntosh Computers in the computer room. This virus can not be detected by SAM virus detector. Everyone who used the Mac should check their disks for the virus using VIREX virus detector.

RECYCLING OLD PHONE BOOKS

If you still have old phone books in your office or lab please put them into the box outside 411 Borlaug Hall. Univ. Recycling will pick them up. Remember to keep recycling those pop cans, newspapers and high grade paper! Thanks

FUME HOOD/EXHAUST FANS

The Fume Hoods and Exhaust Fans in Borlaug Hall will be inspected over the next few days.

SEMINARS

- Tuesday**
Aug. 27 Special Seminar
Interview seminar for the Soil Nutrient/Management position at the Southwest Ag. Exp. Station
Corn and Grain Sorghum Responses to Ammonium and Nitrate Nitrogen Fertilization.
Dr. Kevin Barber from Texas A&M University, in 415 Soils at 10:00 a.m.
- Wednes.**
Aug. 28 BPTI Seminar
The regulatory cascade of the bacteriophage P1 lytic growth cycle.
H. Lehnherr, Dept. of Microbiology, Biocentre, Univ. of Basel, in 239 Gortner at 12:15 p.m.
- Thursday**
Aug. 29 Special Seminar
Interview seminar for the Soil Nutrient/Management position at the Southwest Ag. Exp. Station
Redesigning no-tillage cropping systems:
Alternative for increasing productivity and nitrogen use efficiency.
David Huggins, Washington State Univ., in 415 Soils at 10:00 a.m.
- Friday**
Aug. 30 Special Seminar
Interview seminar for the Soil Nutrient/Management position at the Southwest Ag. Exp. Station
Investigations into the chemistries of acidic and calcareous soils in Oklahoma.
Dr. Lowell Busman in 415 Soils at 10:00 a.m.

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.
- Coordinator of Seed Regulatory and Testing Program, University of Kentucky, Regulatory Services, Lexington, KY.
 - Postdoc in Soil Science/Ecosystem Dynamics, Michigan State University, Dept. of Crop and Soil Sciences.
 - Postdoc Research Associate to work on the expression of a bacterial ice nucleation protein gene in plants, Oregon State Univ., Dept. of Horticulture, Corvallis, OR.
 - Vice President for Agriculture, Univ. of Arkansas, Little Rock, Arkansas.
 - Ag. Agent, Juneau County, Wisconsin Cooperative Extension, Mauston, WI.
 - Postdoc position in Molecular Biology/Protein Chemistry, Dept. of Pharmacology and Medicinal Chemistry, Univ. of Minnesota, Minneapolis, MN.
 - Assoc. Vice President-Programs, Division of Agriculture, Univ. of California, Oakland, CA.
 - Asst./Assoc./Full Cooperative Extension Specialist, Fruit and Vegetable Products, Dept. of Food Science, Univ. of California, Davis, CA.

CARNAVEL ON THE MISSISSIPPI

Sandra Milach is selling tickets for "Carnavel on the Mississippi", a celebration of Brazil's Independence Day, scheduled for Saturday, September 7 from 8 p.m. to midnight at Harriet Island Pavilion. Advance tickets are \$8 (\$10 at the door).

Agronomy Gleanings

August 30, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

THANK YOU NOTE

Thank you friends for the beautiful floral arrangement that was sent to me in the hospital. It really brightened my day. I'm well on the road to recovery.

Connie Strand

FOUND UMBRELLA

Someone left a black umbrella in the writing room on the first floor of Borlaug Hall. If it is yours, see Lynne in 411 Borlaug Hall.

LOTUS FOR SALE

Lotus 3.01, unused, with full documentation and support. 5 1/4-inch disks. \$100.00 (bookstore price \$130.00). Contact Hal Mickelson in 103A (5-3766) for more information.

INTERVIEW SCHEDULES

There will be two candidates interviewing for the USDA/ARS Alfalfa Molecular Genetics position in Plant Pathology.

Dr. Bradley D. Mogen, September 3, Seminar "Characterization of a Molecular Probe for the Identification and Detection of the Potato Ring Rot Pathogen" at 10:00 a.m. in 306 Borlaug Hall.

Dr. Deborah A. Samac, September 5, Seminar: "Chitinase gene expression in *Arabidopsis*" at 10:00 a.m. in 491 Borlaug Hall.

SEMINAR PLANNING

Please contact Orvin Burnside to schedule Agronomy Seminars or contact Ron Phillips to schedule Plant Breeding Seminars for 1991-92.

STATE OF THE U ADDRESS

President Nils Hasselmo will present the State of University address on Monday, September 30 at the Earle Brown Center. There will be a news conference at 3 p.m., address at 4 p.m., and reception at 5 p.m.

COMPETITIVE GRANTS MEETING

Dr. Wayne K. Murphey, Principal Forest Products Technology Program Manager for the Cooperative States Research Service/USDA, will be here in October to provide information to anyone interested in submitting proposals for the upcoming USDA competitive grants, special grants, or other grants. Reserve October 1, 2-4 p.m. in 42 Earle Brown Center to attend a meeting on "Competing for Grants in the USDA" and October 2, 9 a.m. - 12 p.m. in 220 Coffey for individual appointments to discuss proposals. Schedules for competitive and special grants for the coming fiscal year have not yet been published.

GRANT INFORMATION

Jeanne Davy in 411 Borlaug Hall has information on the CSRS Competitive Research Grants Program; Administrative Provisions; Proposed Rule.

ASSISTANCE WITH STATISTICS

U of M faculty can tap the expertise of the people in the Statistical Center (625-7030) for help with data analysis. The staff's clinic is comprised of faculty from the Department of Applied Statistics, graduate students in the School of Statistics, and the Director of the Statistical Center. Call the Center for information about specific services and possible fees.

REPLACEMENT OF LIGHT

Attention everyone with offices in the Agronomy Building (Faculty, Civil Service, Students): Physical Plant Operations will be replacing ballasts and lamps in all fluorescent lighting fixtures in the Agronomy Building starting September 10, 1991, until September 20, 1991. They will work on this replacement in the evening hours from 4 p.m. to midnight. Construction personnel will be accessing all parts of the Agronomy building during the process of this work. ****If you need to secure equipment or materials, please plan as appropriate.**

WELCOME BARBARA ROSSMILLER

Please welcome Barbara Rossmiller to the department. Barbara will be working every morning at the front desk in 411 Borlaug Hall as the department receptionist. She is an undergraduate student majoring in English. Introduce yourself. Faculty please let her know when you will be gone so that she can properly direct calls and visitors.

CHERRYWOOD ROOM

The Cherrywood Room will reopen on September 17 after remodeling. Although the salad bar is gone, you'll find a wider variety of fruits, deli plates, and prepared salads. You'll also be able to schedule a meeting or conference before or after the dining room's normal serving hours.

SEMINARS

Wednesday Special Seminar
September 4 Cholesterol metabolism in humans: effects of oats.
Craig Hassel, Department of Food Science and Nutrition in 306 Borlaug at 3 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Fellow/Research Associate, Center for Rural Social Development, U of M, St. Paul.
- Research Associate Post-Doctoral, North Carolina State University, Dept. of Soil Science, Raleigh, NC.
- Project Coordinator - Anoka Sand Plain Demonstration Project, Minnesota Extension Service, St. Paul Campus.
- Jr. Scientist, Genetics and Cell Biology with Frank Enfield, U of M, St. Paul Campus.
- Ag. Agent, Crawford County, Wisconsin Cooperative Extension, Prairie du Chien, Wisconsin.
- Native Plant Nursery Specialist, Hanna's Nursery Gardens, Joshua Tree, CA.
- Plant Stress Physiologist, Dept. of Horticulture, Virginia Polytechnic Institute and State University, Blacksburg, VA.
- Assistant/Associate Professor in Tall Fescue Genetics, Dept. of Agronomy, Univ. of Kentucky, Lexington, KY.

MINNESOTA INT'L. CENTER

The Minnesota International Center (MIC) operates an International Reception Center from August 15 to September 25 to provide advice to new international students about locating housing for the academic year, arranging short-term housing for new arrivals, and assisting in student orientation to the community. MIC is located at 711 East River Road, Minneapolis, phone 625-2185.

A THOUGHT FOR THIS WEEK

*[From the Phoenix (Ariz.)
Arizona Republic]*

RIVERSIDE, Calif.—The greatest danger posed by genetic engineering of plants may come from sex with weeds.

Agronomy Gleanings

September 6, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

NEW BABY

Leon and Erica Van Beuningen had a baby boy on Friday, August 30. They have named him Jerimy William and he weighed 7 lbs. 7 oz. and was 20 inches long. Flowers were sent by the Flower and Gift Committee.

THANK YOU NOTE

Thank you for the beautiful plant that celebrated our new arrival. Eric is growing by leaps and bounds and is off to daycare this week. It is nice to be back at work. Kate Plaisance

SEMINARS

Wednesday Sept. 11	<u>Soil Science Seminar</u> Differences in phosphorus response of forage legume germplasm in sand-alumina and soil culture. Cameron J.P. Gourley, in 375 Borlaug Hall.
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INVITATION TO VISIT VIENNA

We have received a reminder of a standing invitation to our faculty to visit Vienna and the Universitat für Bodenkulture Wien (BOKU) whenever you are traveling in Europe. BOKU and our COA have had a letter of agreement for scientific exchange and collaboration since 1981. If arranged well in advance, BOKU would be prepared to cover the cost for the side trip from the original destination in Europe to Vienna and back to that original destination as well as a 1 or 2 day stay in a middle-class hotel in Vienna. The visiting faculty would be expected to give a short seminar on their work and to visit with the faculty of BOKU. If you plan to be in Europe and would like to visit Vienna, you may wish to look into this invitation. It sounds like an excellent opportunity. Dr. Stadelmann, Department of Horticulture at the U of M, is the contact person for the COA.

NEW PEOPLE IN THE DEPARTMENT

Please welcome three new people to the department:

Dr. Jianying Gan has accepted a postdoctoral position in the Center for Agricultural Impacts on Water Quality. He will be housed in the Soils Department and will work with Drs. Buhler, Becker, and Koskinen, on the degradation and transport of pesticides at elevated levels common at spill sites or ag dealerships. Dr. Gan is from China, and has recently been working at the Agrochemicals Unit of the International Atomic Energy Agency in Seibersdorf, Austria, studying the fate of pesticides in the environment.

Jochum Wiersma is a new graduate student working toward the Ph.D. with Robert Busch on the Wheat Breeding project. He received his undergraduate degree from the Agricultural University of Wageningen in the Netherlands. His office is 313 Agronomy.

Mark Schoenbeck is a new graduate student in Plant Biology working with Carroll Vance. He recently completed his B.S. at the University of Missouri. His office is 306 Agronomy.

ATTENTION VOLLEYBALL PLAYERS

Faculty, Staff, Students - Weekly volleyball games will restart on Tuesday, September 17th at 5:00 p.m. in the St. Paul Gym. Games last for approximately 2.5 hours so you are welcome to come anytime during that period. We welcome all players regardless of skill.

Steve Plehn

NEXT FACULTY MEETING

The next faculty meeting will be Monday, September 16 at 8:00 a.m. in 306 Borlaug Hall. Please give any agenda items to Lynne in 411 Borlaug Hall.

REPLACEMENT OF LIGHTS

Attention everyone with offices in the Agronomy Building (Faculty, Civil Service, Students): Physical Plant Operations will replace ballasts and lamps in all fluorescent lighting fixtures in the Agronomy Building with more energy efficient units starting September 10, 1991, until September 20, 1991. They will work on this replacement in the evening hours from 4 p.m. to midnight. Construction personnel will be accessing all parts of the Agronomy building during the process of this work. ****If you need to secure equipment or materials, please plan as appropriate.**

NEW GRAD STUDENT ORIENTATION

The annual orientation for new departmental grad students will be held on Friday, September 20 from 8:15 to 11:15 a.m. in 408 Agronomy. The purpose of this session is to familiarize new students with the department as well as expectations of and opportunities available to grad students in our department. All grad students who have been here for less than one year are expected to attend. Mark your calendars!

VETERAN GRAD STUDENTS/FACULTY

Plan on stopping by 408 Agronomy at 9:30 a.m. on Friday, September 20 to meet the new graduate students in our department during their New Student Orientation Session. An important part of the orientation is the opportunity for new students to meet and mingle with veteran students and faculty. Coffee and cookies will be served. Please plan to attend.

FALL QUARTER CALENDAR

Fall quarter on the Twin Cities campus will begin Monday, September 23. Thanksgiving break is November 28-29. The last day of instruction is December 3. Final exams are December 5-11.

POTENTIAL RESEARCH FUNDING

Signe Betsinger will visit Washington, DC, October 7-11, and will check into potential sources of funding. If you are interested send her a one page abstract which includes: Name, address, phone number of PI; Title of project, Significance of project; Objectives; Methodology; Length of time needed to complete project; Estimated total budget. Get your abstract to her by Friday, September 27, 9:00 a.m.

PREPROSALS DUE

Preprosals are due to the Midwest Plant Biotechnology Consortium Research Grant Competition by October 7, 1991. Contact Ruth Sanborn at 625-4211 for more information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Executive Vice President, Soil and Water Conservation Society, Ankeny, Iowa.
- Extension Assistant or Associate Professor - Potato Specialist, University of Idaho, Moscow, ID.

Agronomy Gleanings

September 13, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

THANK YOU

Thank you so much for the beautiful plant to celebrate the birth of Jeroen Willem.

Erica van Dijk and
Leon van Beuningen

BABYSITTING COOP

We are forming a "babysitting co-op". If you are interested in trading babysitting with others in the department, contact Deb Martin, Gary Muehlbauer, Heidi Kaeppler, or Beth Schreiber for more information.

CONGRATULATIONS MEL

Mel Stanford has been appointed to the Design/Evaluation Advisory Committee for the Beginning Farmer Sustainable Agriculture Project, by the Center for Rural Affairs at Harting, Nebraska. The Committee includes members from Minnesota, Nebraska, and Missouri.

AGROECOLOGY COLLOQUIUM

Daniel Putnam and Bruce Maxwell will once again offer Agroecology Colloquium: Global Climate Changes and Agricultural Systems during fall quarter. The course meets Tuesdays, 3:30-5:00 p.m. and is 1 credit.

EXTENSION CONFERENCE

The Minnesota Extension Service Annual Conference will be held October 14-16 at Cragun's Resort. Our extension faculty along with Dr. Crookston will be at this conference.

GREETINGS FROM DANA EATON

Dana Eaton, an alumni who completed his Ph.D. with Busch in 1983, sends greetings to his friends in the department. He is now working for Asgrow Seed Company in Queenstown, Maryland.

NEW ADDRESS FOR MSRS

The Minnesota State Retirement System has moved to a new location:

Minnesota State Bank Building
175 West Lafayette Frontage Road
St. Paul, MN 55107-1425

The information number for MSRS is (612) 296-2761.

MINNESOTA CAMPAIGN

Information regarding the Minnesota Campaign will be forthcoming in your September 30 paycheck. The goal for the U of M is to increase the percentage of contributors substantially from last year's 35%.

GIVE JEANNE COPIES

Faculty - Don't forget to give Jeanne Davy copies of any award nominations or grant proposals that you submit. We need these copies for our records. Thank you.

SEMINAR

Thursday
Sept. 19

Special Seminar

Factors controlling root nodule senescence in bean nodules.

Dominic Pladys, Visiting Plant Physiologist from the University of Nice, France, in 306 Borlaug Hall at 12:00 (noon).

Special Soils Seminar

Transformation, movement and bioavailability of aged herbicide residues under farming conditions.

Bjorn Brumhard, Institute of Radioagronomy Research Centre Julich, Germany, in 375 Borlaug Hall at 3 p.m.

STATE OF THE U ADDRESS

President Nils Hasselmo will present the State of University address on Monday, September 30 at the Earle Brown Center. There will be a news conference at 3 p.m., address at 4 p.m., and reception at 5 p.m.

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ATTENTION VOLLEYBALL PLAYERS

Faculty, Staff, Students - Weekly volleyball games will restart on Tuesday, September 17th at 5:00 p.m. in the St. Paul Gym. Games last for approximately 2.5 hours so you are welcome to come anytime during that period. We welcome all players regardless of skill.

Steve Plehn

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Technician, RFLP Laboratory, Pioneer Hi-Bred Int'l., Inc., Johnston, IA.
- Asst. Prof. Plant Molecular Physiologist, Univ. of Idaho, Dept. of Plant, Soil and Entomology, Moscow, ID.
- Junior Scientist (full-time) in Genetics and Cell Biology working with Frank Enfield. U of M, St. Paul.

COMPETITIVE GRANTS MEETING

Dr. Wayne K. Murphey, Principal Forest Products Technology Program Manager for the Cooperative States Research Service/USDA, will be here in October to provide information to anyone interested in submitting proposals for the upcoming USDA competitive grants, special grants, or other grants. Reserve October 1, 2-4 p.m. in 42 Earle Brown Center to attend a meeting on "Competing for Grants in the USDA" and October 2, 9 a.m. - 12 p.m. in 220 Coffey for individual appointments to discuss proposals. Schedules for competitive and special grants for the coming fiscal year have not yet been published.

MERGER OF DEPARTMENTS

The Departments of Horticulture and Forestry at Kansas State University will be merged into one unit effective September 1, 1991. The name of the department will be the Department of Horticulture and Forestry.

NSF FELLOWSHIPS

The National Science Foundation has announced the competition for 1992 Graduate Fellowships and Minority Graduate Fellowships. The deadline for application is November 8, 1991 with announcements of the awards to be made Mid-March 1992. Check the bulletin boards for information.

WELCOME NEW STUDENT

Please welcome **Jonathan Shaver** to the department. Jonathan will be working toward the Ph.D. with Burle Gengenbach. He recently completed the B.S. at Ohio State University. His office is 306 Agronomy.

GEORGE FOSTER IS MOVING

Dr. George Foster, Head of Ag. Engineering, has announced that he has accepted the position of Director of the USDA-National Sedimentation Laboratory in Oxford, Mississippi, beginning November 3, 1991. An interim head will be appointed by Dean Richard Jones.

FREE COMPUTER CLASS

Free, hands-on computer classes for full time faculty will be offered in September by Computer and Information Services. Classes will be offered at the following times and locations:

September 17, 9-12, 305 McNeal Hall

September 19, 9-12, 26 Lind Hall

All full time faculty members including full, assistant and associate professors and instructors are eligible for these free classes. Call 625-1300 to register for either IBM or Mac classes.

PHOBIAS

Since today is Friday the 13th it will be a difficult day for people who suffer from triskaidekaphobia? Fear of the number 13. Experts have given names to more than 150 different phobias that people suffer from. Here are just a few: arachibutyrophobia - fear of getting peanut butter stuck to the roof of the mouth; verbaphobia - fear of words; ergasophobia - fear of work; thassophobia - fear of sitting idle; laliophobia - fear of talking; sociophobia - fear of friendship or society; phagophobia - fear of eating or swallowing; rhytiphobia - fear of getting wrinkles; diplychiphobia - fear of accidents; stygiophobia - fear of hell.

Agronomy Gleanings

September 20, 1991

MW
9/29/86

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

COMBINATION CHANGING

The combination for the Agronomy computer room in Borlaug Hall will be changed on Monday, September 23. Check with Barbara at the front desk in 411 Borlaug Hall to get the new combination.

THANK YOU NOTE

Thanks for the violets. Sal says that flowers are most enjoyable when eaten at full bloom.

Salvador, Tes, and John Lindquist

UNDERGRAD HOT DOG ROAST

The undergraduate students Gopher Crops and Soils Club, will hold their annual hot dog/watermelon feed on Tuesday, October 1, 5:00 p.m. on the Terrace outside the 3rd floor of Borlaug Hall. Plan to attend.

PH.D. FINAL EXAM

Evaluation of recurrent selection for combining ability between two partitioned populations in maize. Greg Holland. Friday, September 27 at 8:00 a.m. in 306 Borlaug Hall.

PH.D. FINAL EXAM

Resistance of maize to European corn borer damage and its relationship to larval behavior. Elizabeth Lamb. Friday, September 27 at 1:00 p.m. in 394 Alderman Hall.

ROOMMATE WANTED FOR ASA

Dr. Howard Rines is looking for a roommate for the ASA meetings in Denver, Colorado. Please leave a note in his mailbox if you are interested.

COMMENCEMENT DATE CHANGED

Due to scheduling changes at Northrup Auditorium, the Graduate School Fall 1991 Commencement Ceremony has been changed to December 4 at 7:00 p.m. The deadline for fee payment is October 1. The original date (December 1) fell on Thanksgiving weekend and the day before Hanukkah.

WELCOME JACOB

Please rewelcome Jacob Eta-Ndu back to the Department. Jacob earned his M.S. with Steve Openshaw and returned to Cameroon for a couple of years. He is now back, to work toward the Ph.D. in Plant Breeding. He is officed in 306 Agronomy.

CONGRATULATIONS DR. CARDWELL

Dr. Vern Cardwell has been selected to be one of the ten faculty who will participate in the Bush Faculty Development Teaching Excellence Program as a resource/mentor teacher. He will work with groups of probationary faculty in structured ways to learn more about pedagogical theory and to discuss a wide variety of teaching and strategies and methods.

CONGRATULATIONS DR. OELKE

Dr. Ervin Oelke received the Excellence in Extension Award from the National Association of Wheat Growers and Pioneer Hi-Bred.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Wheat breeding position, Agri-Pro, Lafayette, Indiana (contact Don Rasmusson), available immediately.
- Chair of Plant Science Department, The University of Adelaide, Glen Osmond, South Australia.
- Asst./Assoc. Professor of Agronomy - Spring Wheat Breeder/Agronomist, South Dakota State University, Dept. of Plant Science, Brookings, SD.
- Extension Specialist in Forages, The Ohio State University, Columbus, OH.
- Administrative Fellow, Continuing Education and Extension, U of M, St. Paul Campus.
- Associate Dean and Director of Resident Instruction, Univ. of Arizona, Tucson, AZ.
- Professor and Head of the Dept. of Agricultural Engineering at Louisiana State University, Baton Rouge, LA.

SEMINARS

**Monday
Sept. 23**

Plant Breeding Seminar

Genetic transformation and inheritance in maize. Ron Lundquist, Plant Science Research, Inc., Minnetonka, MN, at 4:00 p.m. in 306 Borlaug Hall.

Plant Pathology Seminar

Fusarium head blight of wheat, germplasm development: Methods and results. Dr. Girma Bekele, CIMMYT, at 3:00 p.m. in 365 Borlaug Hall.

Forest Resources Seminar

Effects of Ozone in Low Concentration on *Betula Pendula*.

Rainer Matyssek, Research Scientist, Swiss Federal Institute of Forest, Snow, and Landscape Research, Birmensdorf, at 3:00 p.m. in 100 Nat. Res. Building.

**Tuesday
Sept. 24**

Plant Biology Colloquium

The importance of plant/animal interactions for the origin and evolution of flowering plants.

Dr. David Dilcher, Dept. of Natural Resources, Univ. of Florida, Gainesville, FL, at 4:00 p.m. in 335 Borlaug Hall.

**Wednes.
Sept. 25**

Minnesota Sea Grant

Crayfish and Wild Rice: A profitable combination? Tour the Crayfish Aquaculture Ponds, Aitkin, Minnesota, and feast on crayfish grown in the paddies from 11:00 a.m. to 1:30 p.m. This is a two-year demonstration project in the wild rice paddies showing that crayfish can be grown to good size in the paddies. RSVP 218-726-8106.

Agronomy Seminar

Role of the Minnesota Department of Agriculture in the 1990's.

Commissioner Elton Redalen, Minnesota Dept. of Agriculture at 4:00 p.m. in 306 Borlaug Hall.

**Thurs.
Sept. 26**

Brown Bag Lunch Series

Steroid use and abuse. Dr. Fred Apple, at noon in Eustis Auditorium in the Mayo Building, Mpls. Campus.

GREETINGS FROM DANIEL

Daniel Basigalup sends greetings from Argentina to his friends in the department. He is working as an alfalfa breeder at the Manfredi Experiment Station. If you would like his new address please see Lynne in 411 Borlaug Hall.

FACULTY ASSEMBLY MEETINGS

College of Agriculture faculty assembly meetings have been scheduled for the following dates:

Fall Quarter - Thursday, December 5.

Winter Quarter - Wednesday, March 18.

Spring Quarter - Wednesday, June 10.

All of these meetings will be held from 10 a.m. to 12 noon in 335 Borlaug Hall, with a reception starting at 9:30 a.m.

WAREHOUSE PUBLIC SALE

The U of M Property Accounting Department will hold a Warehouse Public Sale on Wednesday, October 16, 1991, from 8:15 a.m. to 3:30 p.m. They will sell used bikes, chairs, desks, tables, etc., at dirt cheap prices. The Inventory Warehouse is moving so they need to clear out excess items. The Warehouse will relocate to 2812 Fairmont St. S.E. in the University Stores South Building (old Chemical Storehouse) at the end of October.

NO SALARY INCREASES FOR RAs

The Office of Academic Affairs has received numerous requests for salary increases for graduate assistants. The academic vice presidents have agreed that salary increases for graduate assistants will not be approved because such an action is inconsistent with the University's salary freeze as of the June 19 salary instruction memo.

UNIVERSITY CAMPAIGN

The University of Minnesota Community Campaign will host an Ice Cream Social and Agency Fair for the St. Paul Campus Faculty and Staff on Friday, September 27 from 11:30 a.m. to 1:30 p.m. on the St. Paul Student Center Terrace.

1991 BUSH GRANTS PROGRAM

The Bush Foundation's Project on Excellence and Diversity in Teaching will support a grants program for proposals of up to \$3,000 each which stimulate departmental curriculum change or address issues of teaching in the context of increasing classroom diversity. Application forms and additional information available from Linda Blake, Academic Personnel, 411 Morrill Hall, 626-7730. Deadline for application is November 15, 1991.

EPA EDUCATION GRANTS

The Environmental Protection Agency has issued a Presolicitation for Environmental Education Grants. These grants will support projects to design, demonstrate, or disseminate practices, methods, or techniques related to environmental education and training. Check with Jeanne Davy in 411 Borlaug Hall for information.

OLD TEST FILE

The St. Paul Board of Colleges is the student governing body for the St. Paul Campus. The board is comprised of representatives from each of the five colleges on the St. Paul Campus. One of the most successful endeavors for the SPBOC over the years has been the Old Test File. This service provides students with old exams for St. Paul based courses for a small charge. Use of the Old Test File can assist students in preparing for exams. The Old Test File is located at 1st Coffey Hall.

U OF M GUEST HOUSING

The U of M now has short-term residence hall accommodations for visitors with University-related business or activities available year round. For reservations call Bailey Hall - St. Paul Campus at 612-624-3439.

STATE OF THE U ADDRESS

President Nils Hasselmo will present the State of University address on Monday, September 30 at the Earle Brown Center. There will be a news conference at 3 p.m., address at 4 p.m., and reception at 5 p.m.

Agronomy Gleanings

September 27, 1991

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

FACULTY MEETINGS SCHEDULE

Mark your calendars for the next 4 faculty meetings in the department:

October 7, October 21, November 11, and December 9. All meetings will start at 8:00 a.m. in 306 Borlaug Hall. Please give agenda items to Lynne. Thank you.

ZIP CODE FOR AGRONOMY

Each department at the U of M has its own 4 digit code to attach to the end of the zip code. Our zip code is 55108-6026.

HOT DOG AND WATERMELON FEED

The Gopher Crops and Soil Club will hold their annual Hot Dog and Watermelon Feed on Tuesday, October 1, 1991, at 5:00 p.m. on the Terrace of Borlaug Hall (third floor). Faculty are encouraged to come and meet the undergraduate students.

WINE AND CHEESE WELCOME

The Social Committee is planning another exciting Wine and Cheese Welcome party for the department on Friday, October 11 from 3:30 to 5:00 p.m. in 306 Borlaug Hall. Come and meet new people in the department and/or visit with old friends.

GROUP PHOTO OF GRAD STUDENTS

ATTENTION ALL GRADUATE

STUDENTS IN THE DEPARTMENT:

Jesus Marquez, Grad Club Photographer, and Teresa Schoeder, are planning an opportunity for a group photo of all graduate students in the department. Please plan to come to the front of Borlaug Hall on Friday, December 11 at 3:15 p.m. (just before the departmental wine and cheese party). **Please plan to attend, they want to get as many graduate student in the photo as possible.** If you want to order a 5x7 print of the group, the cost is \$1.40 (order from Jesus by October 7).

GRAD CLUB MEETING

The Grad Club will hold their Fall meeting on Friday, October 4 at 3:30 p.m. in 306 Borlaug Hall. See you there!

GRAND OPENING AT SPSC

The St. Paul Student Center will hold a grand opening of the Community Lounge on Monday, October 7 from 11 am to 2 pm. The lower level lounge area in the SPSC is being redesigned for the U community. The space is yours to use, relax in, and converse in. Grand opening activities include free music; opportunity to meet U administrators, state legislators, community leaders, fellow students; free international coffees, teas and food; and a name the lounge contest.

CAR FOR SALE

Plymouth Reliant, 1985, automatic (very good condition), air conditioning, stereo), \$1800, for sale by a visitor to our department who is returning to France. Contact Carroll Vance at 625-5715 for more information.

EQUIPMENT FOR SALE

ABI peptide sequencer and ABI peptide synthesizer. Both used very little. The sequencer is 7 years old; the synthesizer is 3 years old. Together, the machines cost around \$200,000 new. Plant Science Research will sell the pair for \$30,000. If interested, call Brad Wheeler, Facilities Manager at PSR (936-6101). If you're really serious and have money, too, he'll buy you lunch.

HESS RESIGNS

U.S. Assistant Secretary of Agriculture, Charles E. Hess, will resign from his position on September 30, 1991. He plans to return to the faculty of the College of Agriculture at the University of California, Davis, to teach and conduct research in the agricultural sciences.

STATE OF THE U ADDRESS

President Nils Hasselmo will present the State of University address on Monday, September 30 at the Earle Brown Center. There will be a news conference at 3 p.m., address at 4 p.m., and reception at 5 p.m.

FOREIGN LANGUAGE FELLOWSHIPS

Foreign Language and Area Studies Fellowships are available to provide financial assistance to graduate students wishing to pursue foreign language study which directly supports their scholarly interests or field of study. They are open to current and incoming students (U.S. citizens) who will be enrolled as degree-seeking students in the U of M Grad School during academic year 1992-93. Check the bulletin board for details.

CENEX ANNUAL MEETING

Cenex will hold their annual meeting at the Minneapolis Convention Center on December 11 and 12, 1991.

OPEN ENROLLMENT

Open enrollment for health and dental insurance will be held October 16-November 15 and will include enrollment in the health care and dependent care reimbursement accounts. Coverage changes will take effect January 1, 1992, for employees on regular payroll and December 30, 1991, for those on biweekly and hospital payrolls. Employee Benefits will send detailed information to all eligible employees in October. An Information Fair on employee benefits will be held October 17 in the St. Paul Student Center and October 18 and 21 in Coffman Union in Minneapolis.

PRICE ON MAC LOWER

The bookstore has dropped the price on the Macintosh Classic by \$100 to \$1195 for 2 MB of memory and a 40 MB hard disk. The prices on other Macintosh models have also dropped by \$50-\$200. This is a bookstore fall promotion through December 28.

PHILLIPS' TRIP TO MALAYSIA

Ronald L. Phillips presented a Special Guest Lecture to open the scientific portion of the 1991 International Palm Oil Conference in Kuala Lumpur, Malaysia (September 9-14, 1991). Clonal propagation of superior oil palms via tissue culture is of great interest to the palm oil industry. The first attempt at mass propagation resulted in trees with abnormal fruits. The research on tissue culture-induced variation by Dr. Phillips' and his students was the reason for the invitation. There were 1400 participants from 45 countries in attendance. Dr. Phillips' also met with researchers at the Palm Oil Research Institute of Malaysia, the Rubber Research Institute of Malaysia, the National University, and the Malaysian Agricultural Research and Development Institute.

UNIVERSITY CAMPAIGN

We encourage all faculty and staff to contribute to your favorite charity or cause through the University Campaign. Information and pledge cards will be distributed with the September 30 paychecks.

NEW COPIER FOR THE DEPARTMENT

A new Kodak copier will be installed next week to replace the Xerox. Each faculty member will receive a new code number in his/her mail box. If you need more than one code number please see Judy. If you have other questions, or need training on the new machine, please see Jeanne.

CARDBOARD RECYCLING

Cardboard boxes are incorrectly being left for pick up in the Borlaug Hall loading dock area for recycling. Cardboard boxes and brown paper bags are being recycled by U Recycling but they must be taken to the Soils Loading Dock for pick up. Do not leave them in the Borlaug Hall Loading Dock. Please flatten all boxes and place them in the appropriate recycling in the Soils Loading Dock. If you have questions please call U Recycling at 625-8084.

QUARTER LEAVE IDEA

The Institute for Alternative Agriculture in Greenbelt, Maryland, has announced their Visiting Scholar Program for 1992. Three- to six-month scholarships are now available to university faculty and other professionals to work at the Institute for Alternative Agriculture on subjects related to alternative/sustainable agriculture. Application deadline is October 31, 1991. Check the bulletin board for details.

AG RESEARCH CONFERENCE

The Agricultural Research Institute in Washington, D.C., the Univ. of Illinois, American Society of Agronomy, USDA-EPA, and the LISA-ACE Program will jointly sponsor a conference entitled, "Participatory On-farm Research and Education for Agricultural Sustainability" July 30-August 1, 1992, in Champaign, Illinois. For more information contact Dr. John M. Gerber, UI Agricultural Experiment Station, 211 Mumford Hall, 1301 W. Gregory Drive, Urbana, IL 61801 (217) 244-4232.

BUSH GRANTS AVAILABLE

The Bush Foundation and the Office of Academic Affairs invite proposals for projects which stimulate departmental curriculum change and/or address issues of teaching in the context of increasing classroom diversity. Funding could be up to \$3000. Application deadline is November 15. Check the bulletin board for information.

FORD FOUNDATION FELLOWSHIPS

The Ford Foundation is now accepting applications for predoctoral and dissertation fellowships for minorities. Closing date for applications is November 8, 1991. The goal of this program is to increase the presence of underrepresented minorities on the nation's college and university faculties. Each fellowship includes an annual stipend of \$11,500 to the Fellow for each of three years plus an annual institutional grant of \$6,000 in lieu of tuition and fees. Check the bulletin board for details.

BIOLOGICAL FORUM

Dr. Richard Jones, Dean of the COA, will discuss "A Viable College of Agriculture for the 1990's" at the Biological Forum on Monday, October 7 at 7:00 p.m. (social), 7:30 (program) in 306 Borlaug Hall.

NEW DIRECTOR OF EHS

Andy Garcia-Rivera has been appointed as the new Director of the Department of Environmental Health and Safety.

VIDEO CONFERENCE

There will be a video conference entitled, "Ways to Grow" on October 8 at 1:30 p.m. in 110 St. Paul Student Center.

LUCE SCHOLARS PROGRAM

The U of M has been invited by the Luce Foundation to submit up to three nominees to the competition for the Luce Scholars Program. This program provides young Americans, with high leadership ability, the opportunity to spend a year in the Far East as professional apprentices under the guidance of leading Asian professionals. This program is directed toward students or junior faculty. Deadline for nominations is mid-October. Check the bulletin board for details.

SEMINAR

MONDAY
Sep. 30

Associate Dean Seminar

Carole Bland, candidate for the Associate Dean for Curricular and Student Affairs for the COA will discuss "How to Prepare Undergraduates for the 21st Century" in the St. Paul Student Center Theater at 10:30 a.m.

Plant Breeding Seminar

Cancelled due to State of the U address by Hasselmo

Plant Pathology Seminar

The etiology of grape fanleaf.

Tim Clark in 365 Borlaug Hall at 3:00 p.m.

TUESDAY
Oct. 1

Biotechnology Seminar

Ammonia oxidizing bacteria: biochemistry, evolution, bioremediation.

Dr. Alan Hooper in 239 Gortner Laboratory at 5:00 p.m.

Entomology

Neurogenesis in holo- and hemimetabolous insects.
Peg Hake in 490 Hodson Hall at 3:15 p.m.

Plant Bio Colloquium

Regulation of lysine biosynthesis: Enzymology and molecular genetics.
Burle Gengenbach in 335 Borlaug Hall at 4:00 p.m.

WEDNES.

Oct. 2

Agronomy Seminar

Role of the Land Grant University in Agriculture in the 1990's.

Dean Edward Schuh from the Humphrey Institute, in 306 Borlaug at 4:00 p.m.

THURSDAY

Oct. 3

Agroecology Colloquium

Function, predictability, and limits of global models, feedback mechanisms.

Mark Seeley in 306 Borlaug Hall at 3:00 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Agronomist, Chemical Research and Development, HybriTech Seed International, Inc. (Wheat Division), Lafayette, IN.

- Director, Cooperative Extension, Colorado State Univ., Fort Collins, CO.

Agronomy Gleanings

October 4, 1991

MIW
09/26/91

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108

FACULTY MEETING MONDAY

There will be a faculty meeting on Monday, October 7 at 8:00 a.m. in 306 Borlaug Hall.

FAREWELL COFFEE FOR OPENSHAW

We will hold a farewell coffee for Dr. Stephen Openshaw on Thursday, October 10 at 9:30 am in 306 Borlaug Hall. Come and wish Steve success in his new position with Pioneer in Johnston, Iowa.

SPECIAL SYMPOSIUM

The NIH Molecular Biophysics Training Grant and the Minnesota Supercomputer Institute will hold a symposium on "Computational Approaches in Molecular Biology and Biophysics" on Thursday and Friday, October 31 and November 1 in Room 62 of the Earle Brown Center. Attendance is free and open, no registration necessary.

WINE AND CHEESE WELCOME

The Wine and Cheese Welcome party for the department will be Friday, October 11 starting at 3:00 p.m. in 306 Borlaug Hall. Come and meet new people in the department and/or visit with old friends.

GROUP PHOTO OF GRAD STUDENTS ATTENTION ALL GRADUATE

STUDENTS IN THE DEPARTMENT: Jesus Marquez, Grad Club Photographer, and Teresa Schoeder, are planning an opportunity for a group photo of all graduate students in the department. Please plan to come to the front of Borlaug Hall on Friday, October 11 at 3:15 p.m. (just before the departmental wine and cheese party). **Please plan to attend, they want to get as many graduate student in the photo as possible.** If you want to order a 5x7 print of the group, the cost is \$1.40 (order from Jesus by October 7).

ASSISTANTSHIP TERMINATION

Graduate Students: You must register for Fall Quarter by Friday, October 4, or your assistantship will be terminated.

GRAD CLUB MEETING

The Grad Club will hold their Fall meeting on Friday, October 4 at 3:30 p.m. in 306 Borlaug Hall. See you there!

PPI FELLOWSHIPS

The Potash and Phosphate Institute is now accepting applications for J. Fielding Reed PPI Fellowships. These awards are for \$2,000 each and are awarded to deserving graduate students (M.S. or Ph.D.) in soil and plant sciences. Priority will be given to students in Agronomy and Horticulture majoring in soil fertility, but those in soil chemistry, crop phys. and other areas related to plant nutrition will be given every consideration. Application deadline is February 1, 1992. We have had students win this award in the past. Check with Lynne in 411 Borlaug Hall for more information.

VOLUNTEERS NEEDED

The REACH (Reaching out to Express our Awareness about your Concerns and offer Help) program is seeking volunteers to call new students as they prepare for the first mid-quarter exams. These calls will let students know that they are valued members of this community, that we are concerned about their welfare, and that there are people waiting to help. Calling will take place in 324 Coffman Memorial Union, Monday-Thursday nights from 5:00 p.m.-8:00 p.m. during the weeks of October 28 and November 4. There are over 300 volunteer hours to fill. Check the bulletin board for volunteer forms. These must be returned by October 8.

BALLAST REPLACEMENT - BORLAUG

The replacement of ballasts in fluorescent lighting fixtures has now moved into Borlaug Hall. These new ballasts are more energy efficient. Workers will need to gain access to all fluorescent lighting fixtures in Borlaug Hall. The work is scheduled to begin about 4:00 p.m. in the evening and will continue until midnight. If you need to secure equipment or materials please plan as appropriate. Please be cooperative.

STUDY IN GERMANY

The U of M and the German Academic Exchange Service will continue their reciprocal exchange agreement which offers U of M advanced graduate student the opportunity to conduct research in Germany and will also offer German student the opportunity to study at the U of M. Check the bulletin board for details.

FAREWELL TO ROBERT HOLT

There will be a farewell party for Robert Holt, Dean of the Graduate School, on Tuesday, October 8, from 3:00-5:00 p.m. in the Regents Room (238 Morrill Hall).

DELANE WELSCH ON LEAVE

Delane Welsch will be on a single quarter leave during fall quarter 1991. During his absence Bill Fenster will be Acting Director of International Ag. Programs.

COMPUTER CARDS IN NORTH HALL

There are over 3 million computer cards in North Hall. All unclaimed computer cards will be recycled after October 31. If you are unsure whether you have cards stored in North Hall please call Dick Rignell at 624-1248 to make an appointment for access to the archive.

SAFETY GLASSES AVAILABLE

This is a reminder that safety glasses are available through Boynton Health Service Eye Department (both prescription and non-prescription).

ASA PRACTICE SESSIONS

There will be practice sessions for those giving papers at the ASA meetings in Denver, October 27-November 1. The sessions are scheduled for October 17-18 in 306 Borlaug Hall. Send your talk or poster title to Ron Phillips by October 10.

BIOLOGICAL FORUM

Dr. Richard Jones, Dean of the COA, will discuss "A Viable College of Agriculture for the 1990's" at the Biological Forum on Monday, October 7 at 7:00 p.m. (social), 7:30 (program) in 306 Borlaug Hall.

DIRECT MARKETING CONFERENCE

The Minnesota Department of Agriculture along with the Minnesota Extension Service will host the 7th National Farmers' Direct Marketing Association Conference, pre-conference tour and trade show January 30-February 1, 1992 at the St. Paul Radisson Hotel. Check the bulletin board for details.

GRANT OPPORTUNITIES

We have received information about the following grant opportunities:

- 1992 Exploratory Research Grants through the EPA. The U.S. Environmental Protection Agency is seeking grant applications to conduct exploratory environmental research in biology, chemistry, physics, engineering or socioeconomics. Deadline March 6, 1992. Grants range from \$40,000 to \$150,000 per year for 2-3 years.
- Fulbright-Hays Training Grant Program. Faculty Research abroad and Doctoral Dissertation Research abroad for 1992.
- Instrumentation and Laboratory Improvement Grants through NSF.

Check with Jeanne Davy in 411 Borlaug Hall for information about these grants or contact Ruth Sanborn at 625-4211.

NEW NUMBERS FOR USDA STAFF

Vicky Mackerman, USDA secretary has a new telephone number - 624-0763. Leila Moffet also has a new number - 625-1920. Both are located in 403 Agronomy.

WORLD FOOD DAY

There will be a world food day teleconference on Wednesday, October 16, 11:00 a.m.-2:00 p.m. in Room 307-9 Coffman Union. The teleconference is entitled, "The Hunger Puzzle: Adding the International and Macroeconomic Pieces."

MUCIA DISSERTATION GRANTS

The Midwest Universities Consortium for International Activities, Inc. (MUCIA) offers dissertation research opportunities outside the US through grants to graduate and professional school students. Awards are up to \$10,000 each and are granted to students who are currently working toward their doctorate and have or will complete all predissertation requirements by March 15, 1991. The application deadline is January 31, 1992. Check the bulletin board for more information.

NSF-NATO POSTDOC FELLOWSHIP

The National Science Foundation is now accepting applications for the NSF-NATO Postdoctoral Fellowships in Science and Engineering for 1991-92. The application deadline is November 2, 1991. Check the bulletin board for details.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- The International Organization for Migration has just published for more than 200 high level or technical positions in several African and Latin American countries.
- Molecular Genetics, Dept. of Agronomy, Purdue University, West Lafayette, IN.
- Agricultural Water Quality Specialist, USDA and Cornell University Cooperative Extension, Middletown, NY.
- Field Research Agronomist with Stewart Agricultural Research Services, Inc., Clarence, Missouri.
- Dean of the College of Agriculture and Life Sciences at the University of Wisconsin-Madison, WI.
- Research and Development Assistant Breeder at InterMountain Canola, Cinnaminson, NJ.
- Horticulture Manager with Meadowcreek, Inc. in Fox, AR.
- Research Associate, Dept. of Plant Sciences (Entomology) at SDSU in Brookings, SD.
- Extension Agent, Logan County, Sterling, CO.
- Post-doctoral Research Associate, Soil Microbiology, Dept. of Agronomy, Kansas State Univ., Manhattan, KS.
- Asst. Professor - Agronomy, Northeast Research Station, Louisiana State University, St. Joseph, LA.

SEMINAR

MONDAY

Oct. 7

Associate Dean Seminar
William Anderson, candidate for Associate Dean for Curricular and Student Affairs in COA, will discuss "How to Prepare Undergraduates for the 21st Century" at 10:30 a.m. in the St. Paul Student Center Theater.

Plant Breeding Seminar

RFLPs for line differentiation and heterotic grouping.

Aluizio Oliveira in 306 Borlaug Hall at 4:00 p.m.

Forest Resources Seminar

Integrating Forest Stand Data in Areas of Multiple Ownership.

Greg Arthaud in 100 Nat. Resources at 3:00 p.m.

Plant Pathology Seminar

Plant parasite recognition models in plant disease.

Daqun Liu in 365 Borlaug Hall at 3:00 p.m.

Soil Science Seminar

Soil crusting in the midwestern United States.

Satish Gupta in 375 Borlaug Hall at 3:00 p.m.

Associate Dean Seminar

Steve Simmons, candidate for Associate Dean for Curricular and Student Affairs in COA, will discuss "How to Prepare Undergraduates for the 21st Century" at 10:30 a.m. in the St. Paul Student Center Theater.

Plant Biology Colloquium

What causes tomato fruit softening.

Cindy Tong in 335 Borlaug Hall at 4:00 p.m.

Entomology Seminar

Costa Rica, caddisflies and conservation.

Ralph Holzenthall in 490 Hodson Hall at 3:00 p.m.

Agronomy Seminar

Role of College of Agriculture in the 1990s. Dean Richard Jones in 306 Borlaug Hall at 4:00 p.m.

Agroecology Colloquium

Effects of atmospheric pollutants on higher plants. Sagar Krupa in 306 Borlaug Hall at 3:00 p.m.

TUESDAY

Oct. 8

WEDNES.

Oct. 9

THURS.

Oct. 10

Agronomy Gleanings

October 11, 1991

MIW
9/29/86

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

ASA PRACTICE SESSIONS

There will be practice sessions for those giving papers at the ASA meetings in Denver, October 27-November 1. The sessions are scheduled for October 17-18 in 306 Borlaug Hall. Send your talk or poster title to Ron Phillips by October 10.

ORDER HONEY NOW

Dr. Carroll Vance is now accepting orders for honey. \$1.35/lb or \$6.00/5 lbs. Comb honey is \$1.70/lb. Leave a message for him if you would like to order.

FALL BONFIRE AND HAYRIDE

The graduate students in the department will hold a bonfire/hayride on Tuesday, October 15 at the home of Brent and Amy Delzer near Chaska. Bring your own meat to cook and a dish to pass. The bonfire will be ready for cooking at 6:00 p.m. If you wish to carpool with others meet in front of Borlaug Hall at 4:30 p.m.

GET REIMBURSEMENTS IN NOW

WARNING!! Faculty, Staff, and Students: If you are planning to turn in travel or miscellaneous purchase receipt(s) for reimbursement, please do so by October 18th. The new accounting system will be put in place the following week and delays in payment may occur.

THESIS TYPING

Graduate students if you need someone to type your graduate thesis, contact Marilyn Whiting at 731-8942. She will do typing in her home.

NEW EMPLOYEE

Please welcome Mary Petrowski to the department. Mary is working in Carroll Vance's lab as assistant scientist.

OPEN ENROLLMENT

October is open enrollment for insurance benefits for U of M employees. There will be an employee benefits information fair in the North Star Ballroom in the St. Paul Student Center on Thursday, October 17 from 10:30 a.m. to 3:00 p.m.

WAREHOUSE PUBLIC SALE

The U Warehouse Public Sale will be Wednesday, October 16 from 8:15 a.m. until 3:30 p.m.

KEEP RECYCLING AREA CLEAN

Lee Hardman and Pam Altermatt spent a great deal of time cleaning up the recycling area in the loading dock of Borlaug Hall. Please be cooperative and keep this area clean. They have labelled separate containers for batteries, glass, cans, high grade paper and newspaper.

Do not put laboratory glassware into the recycling bins. University Recycling will not take it. They are currently recycling only food and beverage glass containers (rinse them out and remove covers). Do not include acid bottles or chemical bottles. Also, cardboard boxes must be flattened and taken to the Soil Science loading dock not Borlaug Hall.

RETURN U CAMPAIGN CARDS

Remember to return your University Campaign pledge cards to Jeanne Davy in 411 Borlaug Hall (whether or not you are making a pledge return the cards).

ROBERT JONES ON NEWTON'S APPLE

Dr. Robert Jones participated in the filming of a segment for "Newton's Apple" on Public Television (channel 2). Dr. Jones explained photosynthesis. He showed a microscopic view of the leaf surface where stomata allow CO₂ to enter the plant.

BUSH FACULTY SEMINAR

The Bush Regional Collaboration in Faculty Development will sponsor the 1991 Bush Faculty Seminar, "Teaching with (com)passion: Warming the learning atmosphere" on November 7-8, 1991, at Hotel Sofitel, Bloomington, Minnesota. The U of M strongly supports the programs of the Bush Collaboration in Faculty Development and will provide a \$50 subsidy for the first 40 faculty and staff members who register for the November seminar. Registrations will be coordinated by Carol Buskovich at 625-0088. Check the bulletin board for details.

SUSTAINABLE AG. CONFERENCE

There will be a conference on sustainable agriculture, "Prospects for Sustainable Agriculture in the Northern Plains: Agronomic, economic, and public policy perspectives" on Tuesday, November 19 from 8:30 a.m.-4:00 p.m. at South Dakota State University, Brookings, SD.

SPECIAL SEMINAR

Dr. Victor Bekkum, Iowa State University, Department of Agricultural Biosystems Engineering, will present a seminar on Thursday, October 31, 1991, from 9:00-10:00 a.m. in 120 Coffey Hall. Dr. Bekkum has been conducting a national study of businesses and industries that serve agriculture. The objectives of the study were: to determine employment needs of employers for college graduates; identify the level of education required; identify the types of experiences which are beneficial; and determine educational requirements in computer technology, mathematics, physical sciences, biological science, ag. science and technology, communications, humanities and social sciences.

COOLING SYSTEM WINTERIZED

In order to prevent damage to greenhouse evaporative cooling systems, they must be winterized by Friday, October 18. Any request to leave the cooling system in operation beyond October 18 must be in writing and signed by the department head. Also, any department requesting the system be left in operation past this date will be responsible for damage to the building and equipment due to frozen water lines. Any questions, call 4-2288

UNCLAIMED JOURNALS

Did anyone order 5 volumes of the Egyptian Journal of Agronomy. If so, see Lynne in 411 Borlaug Hall.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Microbiologist/Soil Sciences, USDA-ARS, University of Illinois, Urbana, IL.
- Assistant Director-TropSoils, North Carolina State Univ., Raleigh, NC.
- Assistant to Head (Gary Heichel is the Head), Dept. of Agronomy, University of Illinois, Urbana, IL.
- Extension Specialist in Agronomy, Dept. of Agronomy, Univ. of Kentucky, Lexington, KY.
- Research Associate-Bentgrass Seed Production and Management, Dept. of Plant Science, Univ. of Manitoba, Winnipeg, Canada.

SEMINAR

MONDAY**Oct. 14**

Associate Dean Seminar

How to prepare undergraduates for the 21st century.

Laurie Hayes in St. Paul Student Center Theater at 10:30 a.m.

Plant Breeding Seminar

Horizontal resistance.

Azzedine Douiyssi in 306 Borlaug Hall at 4 p.m.

PMGI Seminar

Stabilizing autonomous circular plasmids.

Judith Berman in 306 Borlaug Hall at noon.

Plant Pathology Seminar

Host responses to fungal infection in conifers.

Dave Rizzo in 365 Borlaug Hall at 3 p.m.

Plant Biological Colloquium

Roots as phytochemical factories: explorations in underground biology.

Professor Hector Flores, Dept. of Plant Path. at Pennsylvania State University at 3:00 p.m.

(note time change) in 335 Borlaug Hall.

Ph.D. Defense

Jaakko Kangasjarvi will defend his Ph.D. thesis on Tuesday, October 15 at 9:00 a.m. in 306 Borlaug Hall.

The topic is "Molecular changes during the differentiation of proplastids to amyloplasts in developing maize endosperm."

BPTI Seminar

Lysine production by recombinant strain corynebacterium glutamicum.

Dr. Won Hur in 239 Gortner Lab at 5 p.m.

Entomology Seminar

Evaluating the sensitivity of devices for detecting adult stored-product insects.

Bh. Subramanyam in 490 Hodson Hall at 3 p.m.

Agronomy Seminar

Role of APHIS (with emphasis on Plant Protection and Quarantine) in Minnesota in the 1990's. Pamela Deerwood in 306 Borlaug Hall at 4 p.m.

Agroecology Colloquium

Carbon cycling in soil in response to global warming. John Molina in 335 Borlaug Hall at 3 p.m.

TUESDAY**Oct. 15****WEDNES****Oct. 16****THURS.****Oct. 17**

Agronomy Gleanings

October 18, 1991

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

ORDER HONEY NOW

Dr. Carroll Vance is now accepting orders for honey. \$1.35/lb or \$6.00/5 lbs. Comb honey is \$1.70/lb. Leave a message for him if you would like to order.

FIRE ALARM TESTING

The fire alarms in the Agronomy Building will be tested on Thursday, October 24. The alarm horns will not sound during the test but you may smell smoke.

CONGRATULATIONS DON & RICHARD

Don Ralston and Richard Halstead received Certificate of Merit awards from USDA-ARS in recognition of sustained superior performance. Congratulations.

DAYLIGHT SAVINGS TIME ENDS

Mark your calendars, Daylight Saving Time ends on October 27.

NEW DEPARTMENT VEHICLE

We have replaced one of the departmental vehicles. The Pontiac 6000 (#2366) has been replaced with a new dark gray 1992 Buick Century (#2356).

GET REIMBURSEMENTS IN NOW

WARNING!! Faculty, Staff, and Students: If you are planning to turn in travel or miscellaneous purchase receipt(s) for reimbursement, please do so by October 18th. Effective November the University is changing over to a new accounting system called CUFIS (College and University Financial System). Delays will occur in processing all purchasing related documents after this date.

NEW ACCOUNT NUMBERS

Everyone will be getting new account numbers. Come to see Judy in 406 Borlaug Hall for your new CUFIS account strings for ordering from Storehouse, Photo Lab, etc.

WOMEN IN AG SCIENCE MEETING

The Women in Agricultural Science group will meet on Tuesday, October 22, in room 491 Borlaug Hall. They will discuss the reading currently on reserve in the Plant Pathology Library. Bring your lunch.

OPEN ENROLLMENT PACKET

Employees should have received the open enrollment package by now. Be sure to read carefully the "Benefits Open Enrollment" brochure as there is an important form to be filled out if you are carrying your spouse as dependent. This form must be returned.

FUMIGATION OF CROP SERVICE

The entire Crop Service Building will be fumigated during the four day Thanksgiving weekend, Nov. 28-Dec. 1. The building entrances will be blocked and warning signs will be posted during the fumigation process. Phostoxin will be the fumigant used in the seed storage and seed cleaning areas. The north side of the building will be treated with Vapona, an insecticide that also has some fumigation action. If you would like to have samples fumigated bring them to Crop Service on November 25th and 26th.

Also, Tom Warnke would like to have a cleanup of this area during the week of November 18th. All cluttered areas need to be cleaned out. During this time all old and unwanted samples, old equipment and parts should be discarded.

Project leaders: please assign someone from your project to clean up your storage and work areas during this time. Also, all plot equipment and vehicles will have to be removed from the area before November 27th. If you have questions please call Tom at 5-3153.

DEADLINE

We have received the most recent edition of Deadline. Deadline is a quarterly listing of sponsored program deadline information from ORTTA. Please check with Jeanne Davy if you would like to see this edition.

AG CAREER DAY '91

The College of Agriculture will hold "Ag Career Day '91" on Wednesday, October 30 from 10:00 am to 3 pm in the Northstar Ballroom of the St. Paul Student Center. Over 50 agricultural organizations plan to attend this year's event. Students can come and discuss careers in agriculture, learn about internships, discover qualifications employers seek in graduates.

NSF GRANT PROGRAM

We have received information on the Food and Agricultural Sciences National Needs Graduate Fellowship Grants Program. This program provides competitive grants to colleges and universities for doctoral fellowships to meet national needs for the development of professional and scientific expertise in the food and agricultural sciences. Targeted areas for 1992 are Biotechnology-animal; Human Nutrition and/or Food Science; and Marketing or Management-Food, Forest Products, or Agribusiness. Application deadline is January 15, 1992.

AGNES HANSEN AWARD

Sigma Delta Epsilon/Graduate Women in Science is now accepting applications for the Agnes Hansen Award (applications due January 1, 1992). This award is intended to defray some costs of female graduate students for travel to national or other major scientific meetings where they are presenting the results of their research. Awards range from \$100 to \$300. Check the bulletin board for details.

BIOLOGICAL FORUM

Professor Ted Radcliffe from Entomology will present the biological forum for Monday, November 4, "Issues in the Biological Control of Pests in Agriculture and Natural Resources" in 306 Borlaug Hall, 7:00 p.m. Social, 7:30 program.

RETURN U CAMPAIGN CARDS

Remember to return your University Campaign pledge cards to Jeanne Davy in 411 Borlaug Hall (whether or not you are making a pledge return the cards).

ROBERT JONES ON NEWTON'S APPLE

The Newton's Apple program starring Dr. Robert Jones is scheduled for Saturday, November 16, 1991, at 7 p.m. on channel 2. Dr. Jones explained photosynthesis. He showed a microscopic view of the leaf surface where stomata allow CO₂ to enter the plant.

1991-92 BUSH SABBATICAL PROGRAM

We have received applications for the Bush Sabbatical Program. This program provides supplementary sabbatical income for faculty who seek to integrate their research, scholarly, or creative work with the undergraduate teaching mission of the University. The program provides a salary supplement of \$15,000 or 30% of the B base salary for the year in which the sabbatical is taken. Applications must be received no later than January 10, 1992. Check with Jeanne Davy in 411 Borlaug Hall for application materials.

CIVIL SERVICE REPS NEEDED

The College of Agriculture needs 2 Civil Service Representatives to serve on the 1991-92 Grievance Committee and the Curriculum Committee. Please contact Debbie Karner at 4-4248 if you are interested.

SUSTAINABLE AG GRANTS

Grants for sustainable agriculture projects are now available through the Minnesota Department of Agriculture's Energy and Sustainable Agriculture Program. Sustainable projects which demonstrate methods to reduce chemical use, conserve energy, intensify crop rotation, improve livestock health, and other environmental and profitable ag practices may be eligible for the MDA grants. The grants provide up to \$25,000 for each sustainable project. This year the Department will also offer \$5,000 mini-grants for smaller, three-year sustainable farming projects. Applications for the grants are available from the Department of Agriculture (612) 296-7673. Application deadline is November 20, 1991, for the mini-grants and January 7, 1992, for the standard grant program.

UROP APPLICATIONS

The application deadline for the 1991-92 Undergraduate Research Opportunities Program (UROP) is November 4. All U of M undergraduate students are eligible to apply for stipends up to \$750 and expense allowances up to \$250 for research or creative projects undertaken in partnership with a faculty member. Information on this competitive, merit based program is available through the UROP Office, 433 Walter Library, 625-3853.

CROPS TEAM

Our department will not be sending a team of undergraduate students to the Crops Contests this year. But should have a team again next year.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Asst. or Assoc. Professor, Wheat Germplasm Enhancement, Breeding and Genetics of Hard Red Winter Wheat, North Dakota State Univ., Fargo, ND.
- Research Associate - Integrated Weed Management, Univ. of Idaho, Plant Science Division, Moscow, ID.
- Dean of the College of Agriculture and Director of the Ag. Experiment Station at Montana State Univ. in Bozeman, MT.

GRADUATE ASSISTANT HEALTH CARE

Open enrollment for Graduate Assistant Health Care Plan will be November 1-15. All graduate students eligible for winter quarter 1991 may apply, including certain fellowship and traineeship holders not previously eligible. Anyone who was eligible for this insurance in 1991 but did not enroll must apply at this time to be enrolled during 1992. Dependents on the Group Personal Care Plan wishing to switch to the new Graduate Assistant Dependent Plan (which includes U Family Practice and Boynton Health Service as primary care clinics) must do so at this time. Watch the Daily for times and places of information and enrollment sessions. For more information, contact the Graduate Assistant Insurance Office at 625-4346.

STUTHMAN IN MEXICO

During September 29-October 10 I made my 26th trip to Mexico to observe the progress in our cooperative breeding effort. Usually the visit consists of two parts - the Mexico City area and in the State of Chihuahua. This year the trip was extended as I also made preliminary arrangements for a 2 week tour of Mexico for COA graduate students. Oat production in Mexico in 1991 was infinitely better than in Minnesota. We saw a number of fields that we estimated to yield 110-120 bu/A with no bad spots in the field. These fields were at least 30-40 acres in size and would have made Minnesota producers very envious this year. Oat research in Mexico continues to be one of the most effective endeavors that INIFAP (their USDA-ARS) is involved in. Currently seed supplies of three of the latest variety releases are being expanded so that they will replace the predominant variety, Paramo, an earlier product of our breeding effort. That variety replaced a variety which had predominated for a half century.

I was most pleased with the reception which I received when visiting about the possibilities of the proposed graduate student tour. My contacts included Dr. Ernesto Samyó, Director of INIFAP and his top assistant Ramon Martínez; Rafeal Montoso Rodríguez, Director of the Graduate School, Chapingo; Don Winklemann, Director of CIMMYT and his associates Hector Cabrera Mireles, Station manager at Contaxtla which is near Vera Cruz and Jose Saucedo, owner of the Papas Selectos, who has a tissue culture lab in Chihuahua which produces 8,000 tons of virus free potato seed stocks. All of these groups are willing to help us conduct a first rate tour.

Briefly the tour would be for graduate students in the COA to go to Mexico for two weeks, the first week devoted to touring. We would see lowlands, highlands, tropical and temperate areas, rainfed and irrigated and large commercial and small peasant operations. The second week would be devoted to working on a Mexican problem presented as a case study. The hope is to obtain financial assistance to at least cover transportation and perhaps all or most lodging. The first group would be limited to a maximum of 10 students.

Another note, Daniel Fairbanks, a former student in our department, has sculpted a bronze bust of Dr. Norman Borlaug at CIANO in Obregon, Mexico, to honor the important participation of Dr. Borlaug in the research of the agricultural sciences that led to the Green Revolution. The Benson Institute of the Brigham Young University in Utah donated this sculpture. It will be dedicated Nov 5.

ATTENTION FACULTY

Please notify your spouse that there will not be a Faculty Wives Get Together during Fall Quarter this year. Mrs. Crookston will plan something probably during winter quarter.

SEMINAR

MONDAY

Oct. 21

Plant Breeding Seminar

Some ideas on achieving progress in plant breeding. Donald C. Rasmusson in 306 Borlaug Hall at 4 p.m.

Soil Science Seminar

Bayesian procedures for estimating soil parameters. Bruce Wilson, in 375 Borlaug Hall at 3 p.m.

PMGI Seminar

Mapping complex characters in legumes with RFLPs. Nevin Young in 306 Borlaug Hall at 12 (noon).

Plant Pathology Seminar

The impact of fungicide registration: The EBDC story.

Janell Johnk in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar

Evaluating a natural resources professional development program: Is training worth it?

Catherine Dybiec in 100 Natural Resources at 3 pm.

Plant Biology Seminar

The effect of seeds on gibberellin biosynthesis in pea pericarp.

Dr. Jocelyn Ozga in 335 Borlaug Hall at 4:00 p.m.

Entomology Seminar

Diamondback moth: a major agricultural pest in Taiwan.

Christina Wu in 490 Hodson Hall at 3:00 pm.

Agronomy Seminar

Role of Agricultural Extension in the 1991's. Associate Dean Donald Peterson (Paul Peterson's father), Univ. of Wisconsin Extension Service in 306 Borlaug Hall at 4:00 p.m.

Ecology Seminar

Long-term forest dynamics on Mt. Rainier, Washington.

Dr. Shinya Sugita in 313 Zoology at 3:30 p.m.

Agroecology Colloquium

Physiological effect of CO₂ on plant growth, development.

Robert Jones in 306 Borlaug Hall at 3:00 p.m.

TUESDAY

Oct. 22

WEDNES.

Oct. 23

THURS.

Oct. 24

Agronomy Gleanings

October 25, 1991

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

NEW BABY

Sean and Suzannah Lange had a baby boy on Sunday, October 20. They have named him Nicholas and he weighed 6 lbs. 7 oz. Sean is an undergraduate student who works in the accounting office with Judy and Marilyn.

LOST PENCIL

Has anyone found a gold-plated Cross® mechanical pencil? If you have please give it to Lynne in 411 Borlaug Hall. Thank you.

STUCKER WILL FILL CORN POSITION

Dr. Robert Stucker has agreed to serve as leader of the Corn Breeding Project, replacing Dr. Steve Openshaw who recently accepted a position with Pioneer Hi-Bred International, Inc., in Iowa. As soon as feasible Dr. Stucker will phase out his programs in Quantitative Genetics and Statistics; he will continue to serve as Director of Graduate Studies in Plant Breeding. The Department extends its support and best wishes to Bob in his new assignment.

NEW GRANT

F.D. Enfield (Principal Investigator), R.E. Stucker, and R.E. Pruitt (Co-Principal

(Postdoctoral Fellow) have been awarded a Competitive Research Grant by Pioneer Hi-Bred International, Inc. The research project is entitled "Estimation of Mutational Variance for Six Quantitative Traits in *Arabidopsis thaliana*. The objectives are to measure the amount of quantitative genetic variation generated by mutation, estimated after 20 generations of selfing in *Arabidopsis* inbred source populations, and to test a model for predicting genetic variance for quantitative traits under drift and mutation in an unselected inbred base population. The grant is for \$60,000 over a 2-year period. Enfield, Pruitt, and Darmono are in the Genetics and Cell Biology Department.

BURROUGHS WELLCOME FUND

We have received information on the Burroughs Wellcome Fund Scholar Program. This fund is offering a five-year Toxicology Scholar Award of \$300,000 for an individual working in the field of toxicology in the U.S. The award will provide the scholar with the opportunity to develop further a career in basic toxicology with a focus on better understanding the interactions of chemicals with biological systems. Check with Jeanne Davy in 411 Borlaug Hall for more information. The deadline for nomination is November 8.

LOADING DOCK IN BORLAUG

Due to the building construction next door, the Borlaug Hall loading dock will be closed beginning approximately November 1 for about one week. All deliveries will be made to the Soil Science loading dock for this period of time.

HAMM LECTURER

The Hamm Memorial Lecture committee is now seeking nominations for speakers for the lecture for 1992 (winter quarter). The Hamm Lecturer will be awarded a \$1,000 honorarium plus travel expenses. This is an excellent opportunity to bring an outstanding individual to this campus

give your nominations to Phil Larsen, Head, Plant Pathology, 495 Borlaug Hall by December 1. The Hamm Endowment was established with funds donated by Monsanto in memory of Dr. Philip Hamm.

MISSING JOURNAL

A copy of the *Weed Science Journal*, Vol. 38, #6, November 1990, was borrowed from Pat Kessler's office. She needs it returned in order to send the journals to the bindery. Please return it to 302 Agronomy. Thank you.

GRAD STUDENT PHOTO

Faculty, staff, and students interested in a picture of the grad students may look at the proofs and make requests with Teresa Schoeder. Chucko

POLLUTION PREVENTION SEMINAR

The Waste Reduction Institute for Training and Applications Research (WRITAR), in cooperation with the Minnesota Office of Waste Management is sponsoring a seminar for post-secondary educators entitled "Pollution Prevention and Higher Education Curricula." The seminar offers educators across various disciplines the opportunity to learn the principles of pollution prevention and methods to incorporate these principles into higher education curricula. The seminar will be held on Monday, December 9 from 7:30 a.m. - 4:30 p.m. at the Earle Brown Center. Registration for the conference is \$15.00 and includes a resource package and lunch. To register or for additional information contact Joel Schurke at WRITAR, 612-379-5995.

REQUEST FOR PROPOSALS

The Midwestern Regional Center for the National Institute for Global Environmental Change (NIGEC), funded by the U.S. Dep. of Energy has issued a request for proposals. Research themes include Biological productivity: identification and analysis of potential impacts of global environmental change, particularly climate change, on biological productivity in both natural and agricultural ecosystems, and Water Resources: identification and analysis of potential impacts of global environmental change on the quantity and quality of water resources. Check with Jeanne Davy in 411 Borlaug Hall for a copy of the guidelines.

SEMINAR

- MONDAY**
Oct. 28 Plant Breeding Seminar
ASA Meetings - no seminar
Forest Resources Seminar
Erosion-sedimentation and non-point pollution in the Nemadji watershed.
Greg Banks in 100 Natural Resources at 3:00 p.m.
Plant Pathology
Ergot and its historical consequences.
Richard Woodward in 365 Borlaug Hall and 5:00 p.m.
- TUESDAY**
Oct. 29 Entomology Seminar
Apiculture position candidate - Keith Delaplane in 490 Hodson at 3:15 p.m.
Plant Biology Seminar
Chloroplast ribosomal proteins and their genes.
Steve Gantt in 335 Borlaug Hall at 3:00 p.m.
Plant Biological Science Colloquium
Chloroplast ribosomal proteins and their genes.
Steve Gantt in 335 Borlaug Hall at 4:00 p.m.
- WEDNES.**
Oct. 30 Agronomy Seminar
ASA Meetings - no seminar
Ecology Seminar
The genetics of longevity in *Drosophila*.
Dr. James Curtisinger in 313 Zoology at 3:30 p.m.

FUMIGATION OF CROP SERVICE

The entire Crop Service Building will be fumigated during the four day Thanksgiving weekend, Nov. 28-Dec. 1. The building entrances will be blocked and warning signs will be posted during the fumigation process. Phostoxin will be the fumigant used in the seed storage and seed cleaning areas. The north side of the building will be treated with Vapona, an insecticide that also has some fumigation action. If you would like to have samples fumigated bring them to Crop Service on November 25th and 26th.

Also, Tom Warnke would like to have a cleanup of this area during the week of November 18th. All cluttered areas need to be cleaned out. During this time all old and unwanted samples, old equipment and parts should be discarded.

Project leaders: please assign someone from your project to clean up your storage and work areas during this time. Also, all plot equipment and vehicles will have to be removed from the area before November 27th. If you have questions please call Tom at 5-3153.

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.
- O.A. Vogel Distinguished Chair in Wheat Breeding, Dept. of Crop and Soil Science at Washington State Univ., Pullman, WA.
 - Research Associate with Asgro Seed Company in Ames, IA.
 - Research Associate to study insect/host plant interactions, Texas Ag. Experiment Station, Weslaco, TX.
 - Postdoctoral Research Associate (Plant Molecular Genetics), Oregon State University, Dept. of Crop and Soil Science, Corvallis, OR.
 - Dean of the College of Agricultural and Life Science and Director of the Experiment Station University of Wisconsin-Madison, WI.

GREETINGS FROM MARK FARNHAM

Travis, Lisa, and I have started a new life in Charleston. South Carolina seems like a world away from Minnesota. We miss our Minnesota friends and tuna hotdish. We're making new friends and learning how to eat grits and collard greens again. Thanks for all the good wishes and also for the Minnesota sweatsuit for Travis. It will be about all the winter-wear he needs here. Y'll come see us. Mark Farnham

SABBATICALS FOR FACULTY

The U.S. Dept. of Energy (DOE) is now accepting applications for Faculty Research Opportunities (Summer, Sabbatical and Part-time). The objective of the program is to enable college and university faculty members to participate in advanced, mission-oriented research at DOE facilities. Application deadline is January 21, 1992. Check the bulletin board for info.

OIAP IS MOVING

The Office of International Agricultural programs is moving from 293 Coffey Hall to Room 43 Classroom Office Building with Room 51 Classroom Office Building as the accounting office. The space in Coffey Hall will now be used by the College of Agriculture to house the soon to be hired Assistant Deans.

Agronomy Gleanings

November 8, 1991

MIW/afg86

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

HOLIDAY PARTY

The Social Committee has tentatively set Friday, December 20 for the Agronomy Holiday Party. If you have any objections to this date please contact Doug Buhler.

TURKEY RAFFLE AND SLOPPY JOES

The Grad Club is holding their annual turkey raffle (tickets 50¢ each) and Sloppy Joe Lunch on Friday, November 15 from 11:45 - 12:45 p.m. (cost for the lunch is \$2). Get your raffle tickets from graduate students. Buy several tickets to improve your chances of winning.

GRADUATE STUDENT PHOTOS

Attention Graduate Students: Please plan to get your graduate student portrait taken as soon as you pass your prelim exams. That way you won't forget or run out of time before you leave the U of M. To get your photo taken make an appointment with the Photo Lab (624-6773 - Wednesday mornings only) and then stop in to see Judy Slyter for a CUFS number to pay for the portrait. If you have any questions see Lynne.

MEMORIAL SERVICE - JULIA THOMAS

The memorial service for Julia Thomas has been rescheduled to Saturday, November 16 at 4:30 p.m. at St. Mary's Nursing Home, 1935 Norfolk Avenue, St. Paul. Mrs. Thomas was the widow of H.L. Thomas, a former faculty member from our department from 1946-1967. Mrs. Thomas died on October 29.

NEW USDA SCIENTIST

Please welcome JoAnn Lamb to the Department. JoAnn has accepted the position of USDA-ARS Research Scientist and will work on a project to develop alfalfa to increase N₂ fixation and reduce nitrogen losses to the environment. She will be officed in 411 Agronomy Building, phone number 625-0260.

VEHICLE INSPECTION

Attention Project Leaders: The University requires an annual safety inspection of all University vehicles (at the Minneapolis campus garage). This would be a good time for you to arrange for an inspection before storing your project vehicles for the winter.

WINTER STORAGE OF VEHICLES

The Judging Arena on the Minnesota State Fairgrounds is available again this winter for the storage of plot equipment and vehicles. This space is available immediately and equipment can be stored until April 15th. Please see Tom Warnke to make arrangements.

COMPRESSED GAS CYLINDERS

The large number of gas cylinders in the Borlaug Hall loading dock has resulted in many left free standing which is dangerous and illegal. Please order gas cylinders on a shorter term basis. Up to 3 cylinders of flammable gas and an unrestricted amount of non-flammable gas may be stored in your lab by using securing brackets. Please call Jeff Roessler (Agronomy Safety Committee 5-5710) if you have any questions.

PRACTICE SESSIONS FOR NCWSSA

Practice sessions for talks to be given at the North Central Weed Science Society meetings will be Wednesday, December 4 in 408 Agronomy starting at 8:15 a.m. There is a schedule posted on the bulletin board. Check with Orvin Burnside for more information.

ALTERNATIVE ENERGY CONFERENCE

The American Society of Agricultural Engineers has issued a call for papers for the Alternative Energy Conference "Liquid Fuels from Renewable Resources" scheduled for December 1992. Deadline for paper proposals is December 6, 1991. Check the bulletin board for details.

BOARD OF REGENTS OPEN FORUM

There will be an Open Forum with the Board of Regents on Tuesday, December 3, 1991 in Room 42 of the Earle Brown Center at 1:30 p.m. Those wishing to appear are to write or call the Regents Office before November 25, 220 Morrill Hall (625-6300). Speakers will be limited to five minutes.

SA GRANT APPLICATIONS

We have application materials in the main office for the Minnesota Department of Agriculture 1992 Sustainable Agriculture Demonstration Grant Project (mini grant and standard grant). Check with Jeanne Davy in 411 Borlaug Hall.

SEARCHING FOR SUCCESS

We have received application materials for National Environmental Achievement Awards for 1992 through Renew America. Renew America is a non-profit environmental education organization that coordinates a search for the most successful environmental programs which can be used as models for other communities in the national effort to protect, restore, and enhance the environment. This group is conducting a program - Searching for Success - to identify the successful environmental programs around the country. Check with Jeanne Davy for applications for these awards.

INTERNATIONAL CONFERENCE

The Minnesota International Student Association will hold an "International Encounters at the University of Minnesota" conference on Saturday, November 16 from 9:00 a.m. to 4:30 p.m. at the St. Paul Student Center for international and returning students. Check the bulletin board for details.

INTERNATIONAL WORKSHOP

Office of International Education will hold a workshop on "Professional Integration" on Monday, November 11, 2:30-4:00 p.m. in 140 Nolte Center (Mpls. campus). The purpose of this session is to help international students begin (or continue) to think about how their education and experience in the U.S. will apply to their home countries' job market and workplace.

POLLUTION PREVENTION SEMINAR

The Waste Reduction Institute for Training and Applications Research (WRITAR), in cooperation with the Minnesota Office of Waste Management is sponsoring a seminar for post-secondary educators entitled "Pollution Prevention and Higher Education Curricula." The seminar offers educators across various disciplines the opportunity to learn the principles of pollution prevention and methods to incorporate these principles into higher education curricula. The seminar will be held on Monday, December 9 from 7:30 a.m. - 4:30 p.m. at the Earle Brown Center. Registration for the conference is \$15.00 and includes a resource package and lunch. To register or for additional information contact Joel Schurke at WRITAR, 612-379-5995.

CALL FOR PAPERS

The Leopold Center for Sustainable Agriculture at Iowa State University requests poster presentations, displays, and computer-based decision-support systems for its 3rd annual conference. Posters and displays may cover: pest control alternatives, cropping systems, animal management and health, water quality protection, agroecosystems, alternative crops, forage management systems, economics of farming and others. Deadline for abstracts is November 18, 1991. Check the bulletin board for more information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Dean, College of Agriculture, Montana State University, Bozeman, MT.
- Marketing Agronomist (Ph.D. required), a major seed company is seeking an individual to provide technical support to its sales force. Strong knowledge of corn and soil science is preferred. Indiana location. Contact Agra Placements, Ltd. in Minneapolis, MN.
- Technical Service (Ph.D. required), to work on corn. Illinois location. Contact Agra Placements, Ltd. in Minneapolis.
- Corn and Canola Breeder (Ph.D. required). Argentina location. Contact Agra Placements, Ltd. in Minneapolis.
- Asst. Prof. of Soil Chemistry, New Mexico State University, Las Cruces, NM.
- Superintendent (Asst. Prof), Mora Research Center, New Mexico State University, Las Cruces, NM.
- Asst. Extension Vegetable Specialist and Asst. Plant Physiologist or Geneticist in the Dept. of Botany and Plant Sciences, Univ. of Calif., Riverside, CA.
- Asst. Prof., Plant Molecular Genetics, Dept. of Biology, Indiana University - Bloomington, IN.
- County Extension Director, Penn State Cooperative Extension, Blair County Extension Office, Hollidaysburg, PA.
- Postdoc or Research Technician to conduct research on RFLP analysis of cereal crops, Dept. of Crop and Soil Environment, Virginia Polytechnic Institute, Blacksburg, VA.
- Forage and Farm Management Agent, Wisconsin Cooperative Extension, Marathon County, Wausau, WI.
- Agriculture Agent, Wisconsin Cooperative Extension, Langlade County, Antigo, WI.
- Agricultural Agent, Wisconsin Cooperative Extension, Juneau County, Mauston, WI.
- Soil Scientist (12 month research project) Columbia University, New York, NY.
- Research Associate Post-Doctoral, Soil Science Department, North Carolina State University, Raleigh, NC.
- Assistant Pomologist, California Ag. Exp. Station, Dept. of Pomology, Univ. of California, Davis, CA.
- Associate Deputy Administrator, Agriproducts and Human Nutrition Sciences, USDA-ARS, Beltsville, MD.

- Associate Deputy Administrator, Genetic Resources, USDA-ARS, Beltsville, MD.
- Asst. Professor (Crop Physiology), Dept. of Crop and Soil Science, Oregon State University, Corvallis, OR.
- Asst./Assoc./Full Professor and Asst./Assoc./Full Agronomist, Dept. of Agronomy and Range Science, Univ. of California, Davis, CA.

STUDENT EMPLOYMENT FORUM

There will be a student employment forum on Monday, November 11 from 3:00-4:30 p.m. in 125 Coffey Hall. The Student Employment Committee will be there to answer questions and listen to suggestions regarding student employment on this campus.

FUMIGATION OF CROP SERVICE

The entire Crop Service Building will be fumigated during the four day Thanksgiving weekend, Nov. 28-Dec. 1. The building entrances will be blocked and warning signs will be posted during the fumigation process. Phostoxin will be the fumigant used in the seed storage and seed cleaning areas. The north side of the building will be treated with Vapona, an insecticide that also has some fumigation action. If you would like to have samples fumigated bring them to Crop Service on November 25th and 26th.

Also, Tom Warnke would like to have a cleanup of this area during the week of November 18th. All cluttered areas need to be cleaned out. During this time all old and unwanted samples, old equipment and parts should be discarded.

Project leaders: please assign someone from your project to clean up your storage and work areas during this time. Also, all plot equipment and vehicles will have to be removed from the area before November 27th. If you have questions please call Tom at 5-3153.

LIGHTING AUDIT

University Building Energy Efficiency Project will be conducting a lighting audit in Crops Research, Agronomy Greenhouses, Crops Service, and the Weed Research lab during the next few months. Please cooperate with the lighting auditors. Thank you.

SEMINAR

Monday
Nov. 11

Plant Breeding Seminar

Cytogenetic and molecular mapping of the polyploid genome of wheat.

Dr. Bikram Gill, Kansas State University, in 306 Borlaug Hall at 4:00 p.m.

Plant Pathology Seminar

Selection of maize inbreds with resistance to

Aspergillus kernel-rot.

Javier Plasencia in 365 Borlaug Hall at 3:00 p.m.

Soil Science Seminar

Soil Science and archaeology ancient Maya and sustainable agriculture in the Karstic lowland of Central America.

Paul Bloom in 375 Borlaug Hall at 3:00 p.m.

Tuesday
Nov. 12

Plant Biological Colloquium

Evolution of mating genes in the fungus *Coprinus cinereus*.

Georgiana May in 335 Borlaug Hall at 4:00 p.m.

Wednes.
Nov. 13

Ecology Seminar

Optimal oviposition strategy of a parasitoid subject to hyperparasitism.

Dr. Richard Green, Dept. of Mathematics, U of M-Duluth, in 313 Zoology at 3:30 p.m.

Agronomy Seminar

Innovative approaches to managing Eurasian watermilfoil.

Tom Klader in 306 Borlaug Hall at 4:00 p.m.

Forest Resources

New approaches to protecting our nation's resources: Planning of non-traditional parks.

Joel Kussman in 100 Natural Resources at 3 p.m.

Thurs.
Nov. 14

Agroecology Colloquium

Global warming and agriculture: mitigation and adaptation.

Vern Rutan in 335 Borlaug Hall at 3:00 p.m.

Monday
Nov. 18

Plant Breeding Seminar

Herbicide tolerant crops via biotechnology.

Mbassa Ndioro in 306

Borlaug Hall at 4:00 p.m.

Plant Pathology Seminar

Stalk rot of corn.

Irshad Ali in 365 Borlaug Hall at 3:00 p.m.

Forest Resources

Geographic data integration for multiple resource assessment.

Lloyd Queen in 100 Natural Resources at 3:00 p.m.

Soil Science Seminar

Sulfate reduction and pyrite formation in tidal marsh soils.

A.J. McCardell in 375

Borlaug Hall at 3:00 p.m.

Tuesday
Nov. 19

Plant Biological Colloquium

Phylogeny and speciation in the cultivated cottons and their wild relatives.

Jonathan Wendal, Dept. of Botany, Iowa State Univ., in 335 Borlaug Hall at 4 p.m.

Superintendent candidate

Perspectives on the responsibilities at the West Central Experiment Station of MAES.

Dennis G. Johnson in 110 Green Hall at 10:00 a.m.

BPTI Seminar

Mechanisms of transfer of conjugative transposons, and cell wall alterations associated with mobile genetic elements in

Enterococcus faecalis.

Barbara Bensing in 239 Gortner Labs at 5:00 p.m.

Wednes.
Nov. 20

Ecology Seminar

Constraints, tradeoffs, and the maintenance of biodiversity.

Dr. David Tilman in 313 Zoology at 3:30 p.m.

Agronomy Seminar

Evaluation of potential pharmaceutical crops for Minnesota.

JoAnn Carlson in 306

Borlaug Hall at 4:00 p.m.

Thurs.
Nov. 21

Agroecology Colloquium

GCMs-relationship between models; local vs. global results.

R. Skaggs, in 335 Borlaug Hall at 3:00 p.m.

Superintendent candidate

Perspectives on the responsibilities at the West Central Experiment Station of MAES.

Gary Lemme in 110 Green Hall at 10:00 a.m.

Agronomy Gleanings

November 22, 1991

MIW/9A9863

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

HOLIDAY PARTY

The Social Committee has set Friday, December 20 for the Agronomy Holiday Party. You will receive further notice soon.

CLOSED FOR THANKSGIVING

The U of M will be closed for the Thanksgiving Holiday on Thursday, November 28 and Friday, November 29.

NEW STUDENT/STAFF DIRECTORIES

We have received the new student/staff directories for faculty, staff and graduate students (office use only) in the main office. Please bring your old directories to 411 Borlaug Hall for recycling and then pick up a new directory. Undergraduate students and graduate students may pick up their copy for home use at the bookstore.

BOOK FOUND

Someone left a book at the front desk in 411 Borlaug Hall, "Enzyme Structure and Mechanism", by Alan Fersht. If this is your book see Lynne in 411 BorH.

CIVIL SERVICE MEETING

There will be a meeting of all Civil Service Staff in the Department on Tuesday, December 3 at 9:30 a.m. in 306 Borlaug Hall. Kent Crookston will be in attendance to tell us how budget cuts may affect us. Bring questions you may have for him to answer. Coffee and treats will be served. CS Liaison Committee

ENDOWED FELLOWSHIPS

Attention Graduate Students: We have received information about U of M Graduate School Endowed Fellowships for 1992-93. Student from our department may be eligible for several of these fellowships. Check with Lynne in 411 Borlaug Hall, call the Grad School Fellowship Office (625-7579) or talk with your DGS for more information.

CROPS/SOILS CONFERENCE

The Crops and Soils Research Conference (formerly known as the Crops and Soils Planning Conference) will be held January 21 and 22, 1992 in 306 Borlaug Hall. The theme of the conference is "Fostering Communications Among Researchers During the Coming Decade." More information will be coming soon.

AGRO COURSE CHANGE

The time for AGRO 3130 - Seed Technology has been changed from 12:50-14:45 T Th to 9:35-11:30 T Th.

FACULTY ASSEMBLY

COA Fall Quarter Faculty Assembly will be held 9:30-12:00 on Thursday, December 5 in 335 Borlaug Hall. Agenda items should be submitted to the COA, c/o Debbie Karner by Monday, November 25. A final agenda will be distributed on Wednesday, November 27.

COLLECTION BOXES FOR HOLIDAYS

The Minnesota Anti-Lymphoblast Globulin Program (MALG) has set up two collection boxes for the holidays. One is Toys for Tots; this organization requests any new, packaged toys. The second collection box is for Potter's House; a temporary residence affiliated with the U of M for children awaiting organ transplants and their families, often times these families spend over \$10,000 for their child's operation. Potter's House request the following donations: everyday items such as shampoo, toothpaste, toothbrushes, soap, (whatever you would need if you were going out of town for several weeks) paper towels, cleaning supplies, convenience items, food for a Christmas dinner, Christmas wreaths and decorations. If you would like to donate items take them to the MALG building which is next to the Raptor Center on the St. Paul Campus between 8:00 a.m. and 4:30 p.m. The doors are always locked so please buzz and someone will let you in.

FOOD DRIVE

Anyone who brings a canned food item to Lot 33, 35, 37, 93, 94, or 108 (fairgrounds) on November 25-27 (each day) will be allowed to park free. Canned foods are urgently needed by local food shelves, especially canned meats and dinners, such as tuna or stew. Parking Services will donate the food to the Emergency Foodshelves Network in Minneapolis and the Capitol Community Services food shelf in St. Paul. Special event parking is not included.

CAR SALE AT FLEET SERVICES

Fleet Services annual fall auction of U vehicles will be November 23 at 11:00 a.m. at Northstar Auto Auction at 4908 Valley Industrial Boulevard in Shakopee (across from Valley Fair). Auction is open to the public with display of vehicles on site before the sale. For details call (612) 625-3033.

JAE HAS BEEN RENAMED

The Journal of Agronomic Education has been renamed the Journal of Natural Resources and Life Sciences Education. This journal has been published by the American Society of Agronomy since 1972. The change in names allows the journal to broad its scope and cover all disciplines in the life sciences, natural resources, and agriculture. The articles cover current educational ideas suitable for use in any curriculum. The journal also accepts contributions for publication. For information on submitting items for publication, contact: Susan Ernst, Managing Editor; Journal of Natural Resources and Life Sciences Education; 677 South Segoe Road; Madison, WI 53711-1086.

WOMEN IN AG SCIENCE MEETING

Some of the COA department heads (Crookston, Cheng, Gardner, Larsen) will meet with the Women in Agricultural Sciences Group on Tuesday, December 3 from 12:00-1:00 p.m. in 491 Borlaug Hall. They will discuss a list of concerns and suggestions to improve the climate for women in the COA. Plan to attend and bring your lunch.

CSRS HIGHER CHALLENGE GRANTS

CSRS has announced the 1992 Higher Education Challenge Grants Program. This is a competitive grants program initiated for the purpose of strengthening higher education programs in the food and agricultural science. Intend to submit proposals are due February 7, 1992, proposals are due March 5, 1992. Check with Jeanne Davy for more information or contact Ruth Sanborn in the Ag. Exp. Station at 625-4211.

INTERIM HEAD OF AG ENGINEERING

Dr. Fred Bergsrud has accepted the position of Interim Head of the Department of Agricultural Engineering replacing George Foster who has accepted a position with USDA. Dr. Foster will be in Minnesota finishing up projects until the end of December.

FACULTY SINGLE-QUARTER LEAVES

Applications for faculty single-quarter leaves must be submitted to Associate Vice President Carol Carrier, 411 Morrill Hall no later than February 7, 1992. The College of Agriculture has been allotted a quota of 10. If you plan to take a single-quarter leave during 1992-93 please contact Kent Crookston and also check with Jeanne Davy in 411 Borlaug Hall for more information.

PRACTICE SESSIONS FOR NCWSSA

Practice sessions for talks to be given at the North Central Weed Science Society meetings will be Wednesday, December 4 in 408 Agronomy starting at 8:15 a.m. There is a schedule posted on the bulletin board. Check with Orvin Burnside for more information.

BOARD OF REGENTS OPEN FORUM

There will be an Open Forum with the Board of Regents on Tuesday, December 3, 1991 in Room 42 of the Earle Brown Center at 1:30 p.m. Those wishing to appear are to write or call the Regents Office before November 25, 220 Morrill Hall (625-6300). Speakers will be limited to five minutes.

SEMINAR

Monday
Nov. 25

Plant Breeding Seminar
Breeding low-input cultivars: Toward the more sustainable goal of reduced nitrogen inputs.
Perry Miller in 306 Borlaug Hall at 4:00 p.m.

Superintendent Candidate Perspectives on the Superintendent's responsibilities at the West Central Branch of MAES.
Harry R. Leffler in North Star Ballroom at 10:00 a.m.

Plant Pathology Seminar
Variation on the theme of soil organic matter.
Dr. John A. Molina in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar
Factors influencing implementation of forestry "Best management Practices" for water quality in Minnesota.
Joseph Gathman in 100 Nat. Resources at 3:00 p.m.

Soil Science Seminar
Movement of metribuzin and metolachlor in sandy soil under irrigated potato production.
Dan Burgard in 375 Borlaug Hall at 1:00 p.m.

Soil Science Seminar
Worms, worms, worms - what's the deal with earthworms.
Sabrina Cook in 375 Borlaug Hall at 3:00 p.m.

Tuesday
Nov. 26

Plant BioScience Colloquium
Physical and molecular genetic characteristics of rust genomes.
Les Szabo, USDA/ARS, Cereal Rust Lab, in 335 Borlaug Hall at 4:00 p.m.

Agro Ecology Colloquium
Can farms become agricultural "sinks" for CO₂?
P. Rutter, B'sett Res. Farm in Canton, in 306 Borlaug Hall at 3:00 p.m.

Wednes.
Nov. 27

Monday
Dec. 2

Tuesday
Dec. 3

Wednes.
Dec. 4

Friday
Dec. 6

Agronomy Seminar
What is the potential of mycoherbicides?
Kevin Van Dee in 306 Borlaug Hall at 4:00 p.m.

Plant Breeding Seminar
Comparison of statistical methods for selecting the best.
Lauren Johnson in 306 Borlaug Hall at 4:00 p.m.

Plant Pathology Seminar
Soil environment for roots and diseases: Tillage and crop residue influences.
Dr. Ray Allmaras in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar
Institutional factors in sustainable development: Or why conservation education is not enough.
George Honadle in 100 Nat. Resources at 3:00 p.m.

Biological Forum
The genetic basis of morphological evolution of corn.
John Doebley in 306 Borlaug Hall at 7:30 p.m., social hour starts at 7:00 p.m.

Plant BioScience Colloquium
Use of graft chimeras to study floral development in tomato.
Gene Szymkowiak, Dept. of Botany, Univ. of Iowa, in 335 Borlaug Hall at 4 p.m.

Agro Ecology Colloquium
Global warming debate & Discussion: Act or adapt?
Dan Putnam and Bruce Maxwell in 306 Borlaug Hall at 3:00 p.m.

Agronomy Seminar
Ethics in agriculture - is there any reason to concern ourselves about this?
Sister Esther Nickel in 306 Borlaug Hall at 4:00 p.m.

Superintendent Candidate Perspectives on the Superintendent's responsibilities at the West Central Branch of MAES.
Craig Sheaffer at 10:00 a.m. in 110 Green Hall.

SPECIAL COURSE FOR WINTER

Professor William E. Cooper, director of Michigan State University's Institute for Environmental Toxicology, will spend winter quarter at the U of Minnesota and will teach a course entitled, "Environmental Science and Public Policy," CE 5098, section 2, 2 credits, 1010-1205 Fridays, 250 Civil and Mineral Engineering Building. Dr. Cooper will try to promote inter-relationships between U of M departments, the Minnesota professional community and government agencies concerned with environmental issues during his tenure in Minnesota.

NEW OFFICE HOURS FOR MSRS

The Minnesota State Retirement System has changed their office hours as of November 1. The retirement office will be open for telephone calls and visitors from 7:30 a.m. to 4:00 p.m. Monday-Friday at 175 West Fafayette Frontage Road, telephone (612) 296-2761.

FOREIGN NATIONAL TAX TREATIES

Eligible foreign national employees must complete new tax treaty forms for calendar 1992. Forms 8233 and Tax Treaty Affidavits must be returned to the Payroll Office by December 26, 1991 for biweekly payroll and by January 2, 1992, for regular payroll to ensure that wages will not be taxed. Tax money that is withheld will not be refunded through the payroll department. Check with Jeanne Davy in 411 Borlaug Hall for forms.

SOIL FERTILITY CONFERENCE

The 1992 Great Plains Soil Fertility Conference will be held March 3-4, 1992, in Denver, Colorado. Check the bulletin board for more information.

VAN FOR SALE

The Agronomy Department has a 1975 G30 Sportvan for sale. The van has 108,000 miles on it. Vehicle number is 3508 and can be seen in the lot on the north side of the Crop Research Building. I will be accepting bids on the van until December 20th. Call Tom Warnke for more information at 625-3153.

MEL STANFORD

Mel Stanford attended a meeting of the Design and Evaluation Advisory Committee for the Beginning Farmer Sustainable Agriculture Project at the Center for Rural Affairs in Walthill, Nebraska, on November 4-5, 1991. He led a discussion on the use of decision cases in documenting project performance and to prepare educational materials for training of subsequent groups of beginning farmers.

Mel Stanford attended the annual meeting of the North American Case Research Association in Atlanta, Georgia, November 5-8, 1991. He serves on the Board of Directors and participated in the Board meeting. Mel presented the following cases at workshop sessions:

"The Containment of P. Sorghi," by David Davis, Jim Groth, and Mel Stanford. "Grasshoppers on Conservation Land," by Mel Stanford and Dave Noetzel. "The Sustainable Farm," by Robert Olson and Mel Stanford. "Bermo, Inc.," by Mel Stanford and Shailendra Jha. Mel also chaired a General Session on "Special Topics in Case Research and Writing" and presented a paper, "Decision Cases in Agriculture," which he co-authored with Kent Crookston and Dave Davis.

FUMIGATION OF CROP SERVICE

The Crop Service Building will be locked for fumigation at 4:30 p.m. on Wednesday, November 27th and will be reopened on Monday, December 2nd at 8:00 a.m. All outside doors will have the locks changed for the duration of the fumigation, so there will not be any chance of accidental entry. All doors will have safety placards on them to alert people that fumigation is in process.

The Crop Research Building will still be open during this time, and will be safe to work in during the Thanksgiving Holiday weekend. If you have any further questions about the fumigation call Tom Warnke at 625-3153.

NRICGP REPORT FOR 1991

If you would like to see a copy of the National Research Initiative on Agriculture, Food and Environment, check with Jeanne Davy in 411 Borlaug Hall. It is informative for those who are interested in geographical distributions of panel memberships, numbers of grants awarded in each research topic, examples of supported research. Guidelines for the 1992 National Research Initiative Competitive Grants Program will be announced at the end of November.

EMERGENCY CLOSINGS

We have received a copy of the Emergency Closing Policies and Procedures for the University of Minnesota - Twin Cities Campus. Official announcements of closings will be made by the Senior Vice President for Academic Affairs and Provost. The radio is the primary source of information on University closings. A copy is posted on the bulletin board or check with Jeanne Davy in 411 Borlaug Hall if you would like a copy.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Asst/Assoc. Prof., research-teaching in small grain breeding/genetics, Dept. of Agronomy, Ohio State Univ., Wooster, OH.
- Full-time research associate in soil fertility and plant nutrition, Plant Science Department, South Dakota State Univ., Brookings, SD.
- Research Geneticist (Plants), Plant Genetics Research Unit, USDA, ARS, Columbia, MO.
- Research Geneticist (Plants), USDA-ARS, Urbana, IL.
- Plant Physiologist, USDA, ARS, Natural Resources Institute, Climate Stress Lab, Beltsville, MD.
- Plant Physiologist, USDA, ARS, Southern Regional Research Service, New Orleans.
- Research Genetics, USDA-ARS, Mid South Area, Crop Science Research Lab, Mississippi State, MS.
- Associate Director, Northern Plains Area, USDA-ARS, Fort Collins, CO.
- Assistant Science, Jr. level Plant Molecular Biologist, Boyce Thompson Institute for Plant Research at Cornell University, Ithaca, NY.
- On-Farm Research and Extension Coordinator in Sustainable Agriculture, Oregon State University, Corvallis, OR.
- Asst. Prof., Teaching and Research in Turfgrass Science, New Mexico State Univ., Agronomy and Horticulture Dept., Las Cruces, NM.
- Research Associate (Post doc), maize physiology, Soil Science Dept., North Carolina State Univ., Raleigh, NC.

MW
12/6/91

Agronomy Gleanings

December 6, 1991

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

HOLIDAY PARTY

The Departmental Holiday Party is set for Friday, December 20 from 3:30 to 6:00 p.m. in 306 Borlaug Hall. Current and retired department personnel and guests are invited to join in a celebration of the holiday season. Punch, hot cider, and hors d'oeuvres will be served. Please bring a favorite hors d'oeuvre, snack or holiday sweet treat to add to the table by 2:00 p.m. on December 20 to 306 Borlaug Hall. Cost for the party is \$3.00 per adult. Make reservations with Muriel in 411 Borlaug Hall (5-5211) by December 18, at the latest.

FACULTY MEETINGS

There will be a meeting of the voting faculty in the department on Monday, December 9 at 8:00 a.m. The next full faculty meeting will be Monday, December 16 at 8:00 a.m. (both in 306 Borlaug Hall).

GARY LINKERT ILL

Gary Linkert is very ill and is back in the hospital. Flowers were sent by the department. It could be several weeks before he is back.

NORTHRUP KING AWARD CEREMONY

The Northrup King Award Ceremony will be held on Friday, December 13 at 3:00 p.m. in 306 Borlaug Hall. Coffee, punch and cake will be served. Everyone one is welcome. Come and show your support for the faculty.

CHRISTMAS DAYS OFF

The U of M will be closed for the Christmas Holiday on Monday, December 23, Tuesday, December 24, and Wednesday, December 25.

NEW YEAR'S DAY OFF

The U of M will be closed for the New Year's Holiday on Wednesday, January 1, only.

STUDENT/STAFF DIRECTORIES

We still have new Student/Staff Directories available in the main office (411 Borlaug Hall). Bring your old directory up to the office for recycling. Thanks.

ECOLOGY OF FIELD CROPS

AGRO 5070 Ecology of Field Crops will be offered Winter Quarter, 9:35 - 10:25 a.m., MWF, 210 Borlaug Hall, 3 credits. This course is a must for students interested in the scientific basis for change in agriculture.

LATE BUS FOR WINTER QUARTER

During winter quarter only, on an experimental basis, Route 13-J intercampus bus service will operate 2 hours later at night, 7 days a week. Buses will now make their last trip from Jones Hall and the St. Paul Student Center at 1:05 a.m. New late service will operate from Jan. 6-March 21. Call 625-9000 or 647-9290 for information.

NO MORE GRADE SLIPS

Because of complaints about grade slips, students will now receive complete transcripts, showing grades received in previous quarters as well as the current quarter. College of Ag. students may pick up their transcripts from 130 Coffey Hall Jan. 6, 8 a.m. to 6 p.m.; Jan. 7 and 8, 8 a.m. to 5:30 p.m.; and Jan. 9 and 10, 8 a.m. to 4 p.m.

SECRETARIES COOKIE PARTY

The Secretaries in Agronomy will hold their annual Holiday Cookie Party on Wednesday, December 18 all day in 411 Borlaug Hall. Come and join us for cookies, cider and coffee.

DEPARTMENT VEHICLES MOVED

The departmental vehicles have been moved into Crop Service Building for the winter months. Tom Warnke

LOST PEN

Has anyone found a black and gold Parker Roll ballpoint pen. If so please bring it in to Lynne in 411 Borlaug Hall. Thanks.

FOOD SERVICE DURING HOLIDAY

The Cherrywood Room will close after lunch on Thursday, December 12 and will reopen on Monday, January 6. The Earle Brown Pumpkin Cafe will close after service on Friday, December 13 and will reopen on Friday, January 3. The Terrace Cafe Quarter Break hours, effective 12/11/91, are 7:00 a.m. to 2:30 p.m.

SEMINARS

PMGI Seminar "Cereal Transformation", by David Somers, Monday, December 9, 12 (noon) in 306 Borlaug Hall.

Forest Resources Seminar "The etiology of Hypoxylon Canker of Aspen", by Michael Ostry, USDA, Thursday, December 19 at 9:00 a.m. in 100 Nat. Res. Admin. Bldg.

POSITIONS

- Extension Agent (Agronomy), Logan County, Sterling, Colorado.
- Postdoctoral position in Molecular Biology, USDA-ARS Forage and Range Research Unit at Logan, UT.
- Research Associate in the area of Soybean Cyst Nematology, U of M, St. Paul, MN.
- Position for Ph.D. student trained in weed science or related disciplines. Contact James Bahr with FMC Corp., P.O. Box 8, Princeton, NJ 08543.
- Horticulture Agent, Milwaukee County, Wisconsin Cooperative Extension, West Allis, WI.
- Research Geneticist (Plants), USDA-ARS, Univ. of Illinois, Urbana, IL.
- Research-Teaching Position in Small Grains Breeding/Genetics, Ohio State Univ., Wooster, OH.
- Asst. Prof. of Crop Science, Cotton, North Carolina State Univ., Raleigh, NC.
- Asst./Assoc. Prof. in applied statistics, Louisiana State Univ., Baton Rouge, LA.
- Agronomist/Soil Scientist/Fertilizer Technician, N-VIRO Minnesota, West St. Paul, MN.
- Research Associate-Wheat Breeding, Univ. of Idaho Research and Extension Center, Aberdeen, ID.
- Plant Science Program Leader, Cornell Cooperative Extension, Putnam County, Mahopac, NY.
- Internships at the Rodale Institute Research Center 333-acre farm in Berks County, Pennsylvania.
- Research Assistant/Postdoc in Weed Ecology/Biology, North Dakota State University, Dept. of Crop and Weed Sciences, Fargo, ND.
- Research Assistant/Postdoc in breeding and genetics of hard red spring wheat, North Dakota State University, Fargo, ND.

NEW ASSOCIATE DEAN IN COA

Laurie Hayes has accepted the position of Associate Dean for Curricular and Student Affairs in the College of Agriculture. She will join the COA January 2, 1992.

WATER QUALITY GRANTS

We have received notice for the CSRS Competitive Research Grants, Special Research Grants; Water Quality Program for FY 1992. Applications must be postmarked January 21, 1992. Check with Jeanne Davy for information.

PRELIMS SUCCESSFUL

Mike Davis, Paul Peterson and Peter Dotray have successfully completed their Agronomy Prelim Exams. David Robinson and Kim Evenson have successfully completed the Plant Physiology Prelim. Congratulations to all.

NEW EEO STATEMENT

We have received a copy of the new Equal Opportunity Statement for the U of M. The new statement includes "creed, marital status, and public assistance status" and replaces "handicap" with "disability," a clarification of state law. The new statement should be included in every University publication. There are three versions (long, medium, short) of the statement available depending upon the type of publication. Check with Jeanne Davy in 411 Borlaug Hall for a complete copy of the statement.

COMPUTER DISK FOUND

We have a 3.5 inch computer disk in a plastic case with the word statistics written on the label in pencil. If this is your disk see Lynne in 411 Borlaug Hall.

EXTRA AGRONOMY ABSTRACTS

Has anyone lost their copy of the Agronomy Abstracts, 1991 Annual Meetings? If so, check with Lynne in 411 Borlaug Hall.

TEACHING ASSISTANT POSITIONS

Graduate Students in Agronomy and Plant Genetics, if you are looking for an opportunity to be a teaching assistant for an Agronomy class for winter quarter come to the main office (411 Borlaug Hall) and check out the listing of available TA positions.

"It is not the difference between people that's the difficulty. It's the indifference."

- Lillian G. Geden

Agronomy Gleanings

December 13, 1991

MCW
9/28/91

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

WATERING GREENHOUSE PLANTS

Attention Project Leaders and Project Technicians: Pam Altermatt will be gone next week so you need to arrange for someone to water your plants in the greenhouses.

CHOLINESTERASE TESTING

The Safety Committee will be scheduling Cholinesterase and Respiratory Testing through Boynton Health Service on the Minneapolis Campus. Individuals involved in year round application of pesticides are to be tested quarterly. There will be a sign up sheet in 411 Borlaug Hall for those student employees, Civil Service staff or Research Assistants who wish to be tested. The department will schedule appointments with Boynton Health Service and inform you of the date and time. If you have questions, please see Tom Warnke or Jeanne Davy.

HOLIDAY PARTY

Get your reservations in with Muriel Mapes in 411 Borlaug Hall by December 18 for the Departmental Holiday Party on Friday, December 20, 1991 from 3:30 to 6:00 p.m. in 306 Borlaug Hall. Cost for the party is \$3.00 per adult. Punch, hot cider, and hors d'oeuvres will be served. Also, plan to bring a favorite snack, hors d'oeuvre, or sweet treat to share.

GLASS AND WASTE DISPOSAL

The custodial staff have asked that labs be reminded that broken glassware not be tossed in waste baskets. Please designate a separate box or trashcan for broken glassware only. They will pick up broken glassware when separated, but have the right to refuse to pick up regular trash if broken glassware is mixed in. Sharps should also not be disposed of in the waste basket. Another reminder: Biohazard waste bags should have autoclave tape attached so that they are easy to recognize as autoclaved and safe for disposal. Thanks.

LEILA IS LEAVING

Leila Moffet a secretary with the USDA-ARS in Agronomy has accepted a position with the Veteran Administration in Peoria, Illinois. Congratulations.

SECRETARIES COOKIE PARTY

The secretaries in Agronomy will hold their annual Holiday Cookie Party on Wednesday, December 18 all day in 411 Borlaug Hall. Stop by for treats.

TWO SECRETARIAL POSITIONS

Do you know of anyone looking for a secretarial position, either part time or full time? The USDA-ARS will need two secretaries starting in 1992. One position is permanent full-time (Agronomy) and one is permanent part time (Soil Science). Contact Jan Overton in 42 North Hall at 625-0221 for more information.

CONGRATS TO PETE, BRETT, JOANN

Weed Science graduate students from our department received 3 out of 8 student paper awards presented at the North Central Weed Science Society meetings in Indianapolis. Pete Dotray won 1st place in the Herbicide Physiology Division with his paper entitled: "Inhibition of acetyl-CoA carboxylase in sethoxydim- and haloxyfop-tolerant and susceptible maize lines." JoAnn Carlson received 2nd place in the Herbicide Physiology Division with her paper entitled, "Tissue culture selection for herbicide tolerance in Kentucky bluegrass." Brett Bussler won 1st place in the Weed Ecology Division with a paper entitled, "Neighborhood approach to determining cocklebur (*Xanthium strumarium* L.) density effects on corn growth and yield."

FACULTY MEETING

There will be a faculty meeting on Monday, December 16 at 8:00 a.m. in 306 Borlaug Hall.

WHEAT PROPOSALS

The Minnesota Wheat Research and Promotion Council will meet February 13, 1992 at Crookston to consider continued and new funding for research and education efforts which will improve the management, marketing and/or profitability of Minnesota wheat. We have a copy of the proposal format in 411 Borlaug Hall (check with Jeanne Davy). Proposals are due February 1, 1992.

STUTHMAN PRESIDENT OF CAST

Deon Stuthman was recently elected President of CAST and will serve 1 year as President Elect beginning March 1992 and then will assume the presidency for one year. If you have questions about CAST or are interested in becoming a member please see Deon or Frank Busta, Food Science and Nutrition, another CAST Board Member. The purpose of CAST is to increase communication about agricultural science and technology among the general public especially policy matters.

RADIOACTIVE MATERIALS ORDERS

Please give Judy Slyter a copy of your Radioactive Material Request that you FAX to Environmental Health. The invoices have been coming in before we get copies of the POT orders. Thank you.

CSRS GRANTS GUIDELINES

We have received a copy of the Program Description and Guidelines for Proposal Preparation and Submission for the USDA Cooperative States Research Service 1992 National Research Competitive Grants Program. Check with Jeanne Davy in 411 Borlaug Hall. If you would like a copy for yourself contact Kathy Donahue at 625-4211.

NEW PEOPLE

Please welcome Doug Bittel to the department. He is a post doc working with Burle Gengenbach. Doug completed the Ph.D. at University of Missouri in Plant Genetics. He is officed in 596 Borlaug Hall. Also, welcome to Deldre Aldcorn who is working as an Assistant Scientist with Ronald Phillips.

STUDENT/STAFF DIRECTORIES

We still have student/staff directories available in 411 Borlaug Hall. Remember to recycle your old directory.

FARMS OF TOMORROW

The Minnesota Food Association will a workshop on Wednesday, January 22 entitled, "Farms or Tomorrow: Creating A Community Support Culture" from 6:30 to 9:30 p.m. at Hamline University, Student Center Ballroom. Special guest speaker will be Traugher Groh. Cost of the workshop is \$5.00 if you register by January 15 or \$7.00 at the door.

NEW PHONE NUMBER FOR ED

Steve Simmons is in the process of moving his lab to 233 Borlaug Hall. The phone number for Ed Schiefelbein will be either 625-8232 in 233 Borlaug or 625-0250 in 104 Crops Research. Mark this change on the new phone list that was distributed to your mailbox last week.

TEACHING ASSISTANT POSITIONS

Graduate Students in Agronomy and Plant Genetics, if you are looking for an opportunity to be a teaching assistant for an Agronomy class for winter quarter come to the main office (411 Borlaug Hall) and check out the listing of available TA positions.

FUZZY IBM SCREENS

Has your IBM monitor become fuzzy? IBM will replace, for free, certain models of their computer monitors that have this problem until February 1992. Contact Engineering Services for more information.

FACULTY SINGLE-QUARTER LEAVES

Applications for faculty single-quarter leaves must be submitted to Associate Vice President Carol Carrier, 411 Morrill Hall no later than February 7, 1992. The College of Agriculture has been allotted a quota of 10. If you plan to take a single-quarter leave during 1992-93 please contact Kent Crookston and also check with Jeanne Davy in 411 Borlaug Hall for more information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Asst. Prof. - Winter Wheat Breeding and Genetics, Montana State Univ., Bozeman, MT.
- Dean of the College of Education and Human Service Professions, Univ. of Minnesota, Duluth.
- Asst. Prof. of Biology, Cell Biology, Biochemistry, Genetics in the Biology Department of Hamline Univ., St. Paul, MN.

NEW DEAN OF GRAD SCHOOL

Dr. Anne Petersen has been named Vice President for Research and Dean of the Graduate School, effective March 1, 1992. Dr. Peterson is currently Dean of the College of Health and Human Development at Penn State University.

CURTIS MATHESON CATALOGS

If you have received a Curtis Matheson catalog and you don't want it please return it to the mail room. The sales rep will return next week to pick up extra copies. Thanks.

BRENT WILL DEFEND THESIS

Brent Delzer will defend his Ph.D. thesis on Tuesday, December 17 at 8:30 a.m. in 306 Borlaug Hall. The title is "Recurrent selection for grain protein in hard red spring wheat."

SEMINARS

MONDAY
Dec. 16

PMGI Seminar

Effect of cold acclimation on the expression of β -tubulin genes of *Arabidopsis*.

John Carter, and

Final report on maize glutamine synthetase gene family.

Pete Snustad in 306 Borlaug Hall at 12:00 noon.

WEDNES.
Dec. 18

Microbial Ecology

Diversity and catabolic potential of deep subsurface bacteria.

Dr. Jim Fredrickson in 11-157 Phillips Wangensteen Bldg. at 12:00 (noon).

Agronomy Gleanings

December 20, 1991

MIW
01/28/92

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

HAPPY HOLIDAYS

The U of M will be closed for the holidays on December 23, 24, and 25 and January 1. Have a good and safe holiday.

BUILDING SECURITY

Please be sure to lock up your offices and labs during the holiday season. The U of M is vulnerable to vandals during this time of year. Please watch for any unusual or suspicious activity or people and report it to the U of M police or to the main office. Thank you.

WINTER QUARTER

Winter Quarter begins January 6 and ends March 21, 1992.

FRANKLIN PLANNER SEMINAR

If you are interested in taking the Franklin Planner Seminar (as discussed by Dr. Crookston at the Faculty meeting of December 16) please contact Lynne in 411 Borlaug Hall. We will make a list of people who are interested and if there are 23 people we will be able to have a seminar on campus at a reduced cost.

SINGLE QUARTER LEAVE APPLICATIONS

Single Quarter Leave applications are due to the College of Agriculture, Friday, January 10, 1992. For application forms check with Jeanne Davy in 411 Borlaug Hall.

BUSH SABBATICAL PROGRAM

Applications for the Bush Sabbatical Program are due in the College of Agriculture by January 2, 1992, for 1991-92 review with awards to be effective in 1992-93. Check with Jeanne Davy in 411 Borlaug Hall for guidelines.

NEW PMGI DIRECTOR

The Plant Molecular Genetics Institute faculty have elected Ronald Phillips as Director for a 3-year term beginning January 1, 1992. Congratulations to Ron. Also, thank you to Burle Gengenbach who has just completed a term as Director of the PMGI.

MINORITY POSTDOC FELLOWSHIPS

We have received information on the Minority Postdoctoral Research Fellowship Program from the National Science Foundation. These fellowships are intended for U.S. minorities underrepresented in science. Check with Jeanne Davy for more information.

ASA PRE-PROPOSALS

The American Soybean Association is soliciting soybean research pre-proposals which will improve the profitability of soybeans. Proposals are due January 31, 1992. Check with Jeanne Davy for information, forms and guidelines.

HOLLAND TO MOVE TO INDIANA

Greg Holland has accepted a position with Agripro Biosciences, Inc., in Brookston, Indiana to work on winter wheat breeding. He will be leaving in early January. Congratulations.

DELZER TO MOVE TO WISCONSIN

Brent Delzer has successfully defended his Ph.D. thesis and will be leaving soon to start a new position in Wisconsin.

HAWAII INTERNATIONAL PROGRAM

The College of Tropical Agriculture and Human Resources, University of Hawaii, invites students and faculty to participate in the 1992 Hawaii International Program, May 18-June 26, 1992. This program will provide information and experience on the global food and agricultural system within the cultural, political and geographical framework of Asia and the Pacific. Check the bulletin board for details.

DIVERSITY CONFERENCE

The Association for the Study of Food and Society and Agriculture, Food and Human Values Society will hold the 1992 Diversity in Food, Agriculture, Environment, and Health Conference at Michigan State University, June 4-7, 1992, East Lansing, Michigan. Abstracts for papers, posters or roundtable topics will be accepted until January 31, 1992. Check the bulletin board for details.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Research Associate to work on insect/host plant interactions and host plant resistance to stalkborning pyralids in sugarcane, Texas A&M University, Weslaco, TX.
- M.S. student trained in field research with herbicides for a temporary job from April to August, 1992, at York, Nebraska with Rhom Poulenc, Dr. Steve Irons. Send a resume to Dr. Irons at Rhom Poulenc, 2551 NC 42 East, Clayton, NC 27520 (919/553-4651).
- Interim Extension Water Quality Coordinator, Minnesota Extension Service, St. Paul Campus, Ag. Engineering Building.
- Student Intern, Barley Research and Development, Coors Brewing Company, Burley, ID, to begin March 1, 1992.
- Regional Integrated Pest Management Advisor-Vegetation Management, Univ. of California, Fresno County, California.
- Farm Advisor-Water/Soils and Row Crops, Kern County, Bakersfield, CA.
- Plant Pathologist/Epidemiologist, USDA-ARS, Univ. of Illinois, Urbana, IL.
- Asst. Extension Specialist in Waste Management and Asst. Prof. of Environmental Science, Dept. of Soil and Environmental Sciences, Univ. of California, Riverside, CA.
- Agricultural Officer, Food and Ag. Organization, United Nations, Rome, Italy.

SEMINARS

- | | |
|---------------------------------|--|
| Monday
Jan. 6 | <u>Plant Breeding Seminar</u>
Breeding for mycorrhizal interactions.
Phil Schwab in 306 Borlaug Hall at 4:00 p.m. |
| | <u>Plant Pathology Seminar</u>
Research collaboration.
Dr. David Walgenbach, Branch Station Superintendent at Waseca, in 365 Borlaug Hall at 3:00 p.m. |
| Wednes.
Jan. 8 | <u>Agronomy Seminar</u>
Overview of the Agronomy Services Division and Pesticide Regulation Programs of the MDA.
Asst. Director of the Minnesota Dept. of Ag., Greg Buzicky in 306 Borlaug Hall at 4:00 p.m. |

WORKSHOP AT PURDUE

Purdue University will host the second annual workshop on Plant Resistance to Insects on February 23-27, 1992, in Indianapolis, Indiana. Pre-registration deadline is January 15. Check the bulletin board for details.

MINNESOTA GARDENING CALENDAR

The Minnesota Extension Service the Minnesota Ag. Experiment Station are offering the Minnesota Gardening 1992 calendar for sale at the Distribution Center (Room 3 Coffey Hall; 10 a.m. to 3 p.m. weekdays). Cost is \$6 per copy. Faculty and staff with extension appointments may purchase the calendar for \$3. Check with Lynne in 411 Borlaug Hall if you would like to see a copy.

ASA, SSSA MEMBERSHIP DIRECTORIES

The department has purchased copies of the Membership Directories, 1991-92, for ASA and SSSA. These directories will be available in 411 Borlaug Hall. These directories contain names and addresses for members.

CHOLINESTERASE TESTING

The Safety Committee will be scheduling Cholinesterase and Respiratory Testing through Boynton Health Service on the Minneapolis Campus. Individuals involved in year round application of pesticides are to be tested quarterly. There will be a sign up sheet in 411 Borlaug Hall for those student employees, Civil Service staff or Research Assistants who wish to be tested. The department will schedule appointments with Boynton Health Service and inform you of the date and time. If you have questions, please see Tom Warnke or Jeanne Davy.

GLASS AND WASTE DISPOSAL

The custodial staff have asked that labs be reminded that broken glassware not be tossed in waste baskets. Please designate a separate box or trashcan for broken glassware only. You probably should purchase a completely separate trash can for your lab that is reserved exclusively for broken glass. They will pick up broken glassware when separated, but have the right to refuse to pick up regular trash if broken glassware is mixed in. Sharps should also not be disposed of in the waste basket. Another reminder: Biohazard waste bags should have autoclave tape attached so that they are easy to recognize as autoclaved and safe for disposal. Thanks.

MIW/92/25

Agronomy Gleanings

January 3, 1992

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

NEW BABY

Eon Seon Lee, a graduate student on John Gronwald's project, had a baby girl on January 1, 1992. They have named her Eunhye Lee, which means "Blessing from God." Congratulations. Flowers have been sent from the Flower and Gift Committee.

THANK YOU

I want to express my sincere thanks to my friends and colleagues for their concern and well wishes during my illness. The chrysanthemum sent to me in the hospital was beautiful. I'm recovering at home now and looking forward to seeing you soon.

Gary Linkert

COMPUTER COMBINATION CHANGED

The combination for the computer room door will be changed on Monday, January 6. Check with the receptionist in 411 Borlaug Hall for the new combination.

W-2 FORMS DISTRIBUTED

W-2 forms have been distributed in your December 31 paycheck envelope. Be sure to save them for filling your state and federal income tax returns.

CHOLINESTERASE TESTING

The Safety Committee will schedule Cholinesterase and Respiratory Testing through Boynton Health Service on the Minneapolis Campus. Individuals involved in year round application of pesticides are to be tested quarterly. There will be a sign up sheet in 411 Borlaug Hall for those student employees, Civil Service staff or Research Assistants who wish to be tested. The department will schedule appointments with Boynton Health Service and inform you of the date and time. If you have questions, please see Tom Warnke or Jeanne Davy.

WSSA PRACTICE SESSIONS

Practice sessions for people presenting posters or papers at the WSSA meetings will be held on January 30, 1992, from 8:30-12 in 306 Borlaug Hall. Posters will be presented from 8:30-10 and papers will be presented from 10:00-12:00. Check the bulletin board for a listing of topics and speakers.

CPR TRAINING

Many of the civil service staff and graduate students have expressed an interest in CPR training. At this time three training sessions have been scheduled with the Emergency Management Department for the Agronomy Department. We will schedule additional sessions at later dates to accommodate all those who wish to be trained. If you are available on February 4, 5, or 6 between 12:30 and 4:30 p.m. to attend this class, please sign up in 411 Borlaug Hall. The classes are limited to six people. The classes are held in Room B1, Morrill Hall, Minneapolis Campus. In addition, there is a four-hour First Aid Class that is offered after the initial four-hour CPR session. If you are interested in this training, please indicate this on the sign-up sheet as well so the additional session can be arranged. Please call Jeanne Davy at 5-1937 if you have any questions.

UNDERGRAD SUMMER RESEARCH

The College of Biological Sciences has sent out materials to over 2500 students and institutions outside the U of M, including 1000 contacts with minority students or their faculty advisors, to generate a pool of student applicants who are interested in participating in summer 1992 undergraduate research programs in the Medical School, other Health Sciences, as well as the College of Agriculture, Biological Sciences, and Natural Resources. Faculty who have funds to support undergraduates to work in their labs should be aware of this program. Contact Sally Jorgenson, Associate Dean of CBS for more information.

SENATE CONSULTATIVE COMMITTEE

Nominations for the Senate Consultative Committee are due Wednesday, January 15. You may nominate yourself or faculty colleagues for this committee in University governance. Its members meet regularly with the president and other officials to discuss and give advice on issues affecting the present and future of the University. Nominations are for three-year terms and may come from any college. Nominations should be made in writing or by phone, citing the nominees' qualifications, to Martha Kvanbeck, Senate Office, 427 Morrill Hall, 625-9369, FAX 626-1609 by January 15th. If you have any questions contact Ronald Phillips (Chair).

WHITE MEMORIAL AWARD

The White Memorial Award is a training award made in honor of Dr. Philip R. White, an eminent teacher and researcher in plant cell and tissue culture techniques at Texas A&M University. The award may be used to supplement expenses of an individual for continuing education in plant tissue culture techniques. A stipend of up to \$650 is awarded yearly for training at an institution of the awardee's choice, or to attend a professional meeting. More information is available on the bulletin board. Applications are due March 1, 1992. The 1992 award will be announced at 1992 World Congress on Cell and Tissue Culture to be held June 20-25 in Washington, D.C.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Head of the Department of Agricultural Economics, Virginia Tech, Blacksburg, VA.
- Asst. Professor- Winter Wheat Breeding, Montana State University, Bozeman, MT.
- Soil Scientist or Agronomist with AGVISE in Benson, MN.
- Asst. Cooperative Extension Specialist and Asst. Plant Pathologist, Univ. of California, Dept. of Plant Pathology, Salinas, CA.
- Research Fellow - Soil Fertility, University of Minnesota, Dept. of Soil Science, Contact Michael Schmitt.
- Forage and Farm Management Agent, Marathon County, Wisconsin Cooperative Extension, Madison, WI.
- Research Scientist, Plant Molecular Biologist-Biotechnologist (New Crops), Virginia State University, Petersburg, VA.
- Assistant Extension Specialist in Waste Management and Asst. Prof. of Environmental Science, Univ. of California, Riverside, CA.
- Area Field Crops Specialist, Cornell Cooperative Extension Service, Cortland County, Cortland, NY, or Broome County, Binghamton, NY.
- Area Extension Integrated Pest Management Specialist - Vegetables, Cornell Cooperative Extension Service, Western New York State.

SEMINARS

Monday
Jan. 6

Plant Breeding Seminar
Breeding for mycorrhizal interactions.

Phil Schwab in 306 Borlaug Hall at 4:00 p.m.

PMGI Seminar

Phase dependent gene expression in English ivy.
John Murray in 306 Borlaug Hall at 12:00 noon.

Plant Pathology Seminar

Research collaboration.

David Walgenbach, Superintendent, Southern Experiment Station, Waseca, in 365 Borlaug Hall at 3:00 p.m.

Plant Biological Sci. Colloquium

Gene expression during early tassel development in maize.

John Larkin, Dept. of Biochemistry, in 335 Borlaug Hall at 4:00 p.m.

BPTI Seminar

Altered glycoforms of 9.2.27 monoclonal antibody.

Sara Boyce-Jacino in 239 Gortner Labs at 5:00 p.m.

Agronomy Seminar

Overview of the Agronomy Services Division and Pesticide Regulation Programs of the MDA.

Asst. Director Greg Buzicky, Agronomy Services Division, Minnesota Department of Agriculture, in 306 Borlaug Hall at 4:00 p.m.

Ecology Seminar

Nitrogen dynamics and the stability of tall-grass prairie.

David Wedin, EEB, in 313 Zoology at 3:30 p.m.

Soil Science Seminar

Bacteria associated with the earthworm *Eisenia fetida*.

Joe Zachman in 375 Borlaug Hall at 9:00 a.m.

Tuesday
Jan. 7

Wednes.
Jan. 8

Thurs.
Jan. 9

Friday
Jan. 10

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

ATTENTION GRAD STUDENTS

Graduate research assistants are reminded that they must register by the end of the second week of the classes or they lose their appointment (this is a Graduate School policy).

Also, all graduate students must register in the Graduate School at least once every 2 years. If you have not registered since Winter, 1990, you must register by January 17, 1992. Otherwise you must file for readmission.

Contact the Graduate School, 316 Johnston 625-3490 if you have questions.

Also, students enrolled in the Graduate Assistant Health Plan who register for less than 6 credits are no longer required to pay the Student Service Fee to keep their insurance. If you have already paid the fee for Winter a full refund is available through Friday, January 10 and a partial refund during the two weeks thereafter. Contact Students Accounts Receivable (625-8500) for details on how to apply.

BECOMING A MASTER STUDENT

University Counseling Services is offering a course titled, "Becoming a Master Student". This course focuses on developing useful study habits, improving reading comprehension, managing your time, improving memory skills, planning exam strategies. Check the bulletin board for details. There are several dates and times to take the course.

GRAD CLUB MEETING

The Grad Club will hold their Winter Quarter meeting today (Friday, Jan. 10) in 306 Borlaug Hall at 4:00 p.m.

WOMEN IN AG SCIENCE MEETING

There will be a "sandwich potluck" meeting of the Women in Ag. Science group at noon next Wednesday, January 15, in 491 Borlaug Hall (Plant Pathology seminar room). Hope to see you there!

DO YOU HAVE UNDERGRAD JOBS?

If you are looking for undergraduate students for project work please contact Larry Smith. He has some students who are looking for jobs.

GIVE COPIES TO JEANNE

Faculty: Remember to give Jeanne Davy copies of any grant proposals or award nominations for her files. Thanks.

SIGN OUT

Faculty: Please remember to sign out on the board in 411 Borlaug Hall when you are going to be away from your office. Thanks.

WELCOME TO NEW STUDENTS

Please welcome two graduate students to our department. Paula Olhoff will be working toward the M.S. in Plant Breeding with Ron Phillips. She has recently completed her B.S. at North Carolina State University in Biology. Her office is 200 Agronomy. Also, welcome to Bruce Murray who will be taking coursework during winter quarter and conducting research with Bruce Maxwell. Bruce is a graduate student at the University of Manitoba in Canada. His office is 306 Agronomy.

SCHOLARSHIPS

We have received information on scholarships through the Soil and Water Conservation Society for the 1992-93 school year. You must be a member of the society to be eligible. Check the bulletin board for details.

FARMS OF TOMORROW

Hamline University will hold a workshop on Farms of Tomorrow: Creating a community support culture on Wednesday, January 22, 1992, 6:30-9:30 p.m. Special guest speaker will be Traugher Groh who has co-authored a book on the theory of community supported agriculture and has farmed organically and biodynamically since 1958. Registration fee is \$5.00 by January 15 (\$7 at the door).

STUCKER IS A GRANDFATHER

Bob Stucker became a grandfather for the first time on Sunday, January 5. His son and daughter-in-law, David and Leslie, had a baby girl. She weighed 5 lbs. 9 oz. and they have named her Sara Elizabeth. David and Leslie live in Illinois.

The University of Minnesota is committed to the policy that all persons shall have access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

GRAMMY NOMINATION

The singing group that Robert Jones belongs to, the Sounds of Blackness, has been nominated for a Grammy Award for their album "Evolution of Gospel". The category is "best gospel album by a choir". Congratulations, Robert.

VOLUNTEERS NEEDED FOR SUPER BOWL

The Twin Cities will host the Minnesota Super Bowl XXVI and the St. Paul Winter Carnival during the month of January. Thousands of guests will be visiting Minnesota during this time and volunteers are needed to welcome and inform guests about the excitement of living in the Twin Cities metropolitan area. Volunteers will ride on a shuttle bus and act as a guide/host to welcome and orient hotel visitors. There will be 15 shuttle bus routes operating between hotels and the various events, January 24 and 25. If you would like to volunteer sign up at the Career Services office, 272 Coffey Hall. You will receive a Super Bowl T-shirt and cap for volunteering.

PLANT BREEDING DISCUSSION

The plant breeding discussion group meeting will be held at the home of Dr. Robert Busch on Wednesday, January 15 at 7:00 p.m. The discussion will be "Applications of Evolution Concepts to Plant Breeding". Check the bulletin board for directions to Dr. Busch's house. Contact Sandra Milach if you need a ride.

RETIREMENT PARTY FOR RUSSELL ADAMS

The Soil Science Department would like to extend an invitation to our faculty for a retirement reception for Dr. Russell Adams Jr. on Friday, January 31 at 4:00 p.m. in 375 Borlaug Hall.

CASE ACTIVITIES

Mel Stanford conducted a seminar, "Case Based Education," at the curriculum retreat of the Department of Clinical and Population Studies, College of Veterinary Medicine, at the Earle Brown Center on January 6, 1992. Mel Stanford conducted a seminar, "The Decision Case Method," for the Department of Horticultural Science, at Alderman Hall, January 8, 1992.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Head of training/ICARDA (International Center for Agriculture in the Dry Areas), Aleppo, Syria.
- Director Escuela Agricola Panamericana, Zamorano, Honduras.

SEMINARS

**Monday
Jan. 13**

Plant Breeding Seminar
Breeding for physiological traits in soybeans.
Todd Krone in 306 Borlaug Hall at 4:00 p.m.

PMGI Seminar

Tubulin genes in maize.
Carolyn Siffow in 306 Borlaug Hall at 12:00 (noon).

Forest Resources Seminar

The history of an Indiana oak savanna: The effects of time, water, and fire.

Kenneth Cole, U.S. National Park Service, in 100 Nat. Resources at 3:00 p.m.

Plant Pathology Seminar

Single stranded RNAs and virus like particles of plant pathogenic fungi.

Pat Martinez in 365 Borlaug Hall at 3:00 p.m.

Soil Science Seminar

Effective, technical presentations.

Jim Connolly, Dept. of Rhetoric, in 375 Borlaug Hall at 3:00 p.m.

Plant BioScience Colloquium

Changes in abscisic acid relative to cold hardiness development in potato.

Stephen Ryu in 335 Borlaug Hall at 4:00 p.m.

Special Plant Breeding Seminar

Identification of quantitative trait loci using molecular markers.
William Beavis, Pioneer Hybrid International, in 306 Borlaug Hall at 8:30 a.m.

**Tuesday
Jan. 14**

**Wednes.
Jan. 15**

Agronomy Seminar

Developing markets for Minnesota crops: Agronomic, specialty, and organic.

Kevin Edberg, Assistant Director of the Marketing Division of the Minnesota Department of Agriculture.

Ecology Seminar

History and present status of 'genetic load'.

Dr. James Crow, University of Wisconsin, in 313 Zoology at 3:30 p.m.

**Thurs.
Jan. 16**

**Tuesday
Jan. 21**

Special Plant Breeding Seminar

Use of molecular markers in plant breeding.

Jeanne Romero-Severson, Agrigenetics, Inc., in 335 Borlaug Hall at 8:30 a.m.

Special Seminar Discussion

Case study as a research method for agriculture.

Dr. Karen Seashore Louis, Chair, Dept. of Educational Policy and Administration, in 306 Borlaug Hall at 12:30-1:30 p.m.

**Friday
Jan. 24**

Agronomy Gleanings

MIW/Ag860
January 17, 1992

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108

MONDAY IS A HOLIDAY

The University will be closed on Monday, January 20, in celebration of the birthday of Dr. Martin Luther King, Jr. The 11th annual Dr. Martin Luther King, Jr. Memorial Concert will be held on Sunday, January 19, at 2:00 p.m. at Northrup Auditorium.

GRAD CLUB SKATING PARTY

The Grad Club is planning a skating party on Sunday, January 19, 1:00-3:15 p.m. at Mariucci Arena. Cost will be 75¢ for students/\$2.00 for others and \$1.50 to rent skates. Meet outside Borlaug Hall at 12:45 p.m. for carpool rides. Contact Phil Schwab for information or a ride. Plan to come and join the fun.

MINNESOTA BIOTECHNOLOGY WEEK

Governor Arne Carlson has declared the week of February 22, 1992, as "Biotechnology Week". The Minnesota Biotechnology Association will hold the First Annual Biotech Week featuring day long symposia sponsored by the U of M Biological Form and BPTI, the Minnesota Biotech Association and Minnesota Technology, Inc. Nationally recognized speakers will discuss important aspects of biotechnology development and commercialization with particular emphasis on Minnesota business and regulatory issues. Registration for the symposia is \$100 per day per person, with discounts available for Minnesota Biotech Association members. Check the bulletin board for details.

DELANE WELSCH BACK TO AG. ECON

Delane Welsch has resigned as assistant dean and director of the Office of International Agricultural Programs to return to a faculty position in the Department of Agricultural Economics. During the last 7 years he has given leadership to programs in Morocco, the Caribbean, Rwanda, Burundi, and Uganda. He has resumed teaching and research in Ag. Econ. and will be officed in 130J Classroom Office Building, phone 625-3713. For the time being Bill Fenster will continue as Acting Director of the OIAP.

DR. BURNHAM'S BIRTHDAY

Dr. Charles Burnham celebrated his 88th birthday on January 13. Dr. Burnham is living at the Golden Age Health Care Center Home in Roseville. I spoke to him today and he sounded very good. He asked me to greet his many friends in the department.

CONGRESSIONAL SCIENCE FELLOW

ASA, CSSA, and SSSA are currently accepting applications for two positions in the Congressional Science Fellowship Program, to be available in September 1992. Applications will be accepted until the positions are filled, however, the selection committee will screen applications on March 1, 1992. Please check the bulletin board for more information.

FARMS OF TOMORROW

Hamline University will hold a workshop on Farms of Tomorrow: Creating a community support culture on Wednesday, January 22, 1992, 6:30-9:30 p.m. Special guest speaker will be Traugher Groh who has co-authored a book on the theory of community supported agriculture and has farmed organically and biodynamically since 1958. Registration fee is \$7 at the door.

RETIREMENT PARTY FOR RUSSELL ADAMS

The Soil Science Department would like to extend an invitation to our faculty for a retirement reception for Dr. Russell Adams Jr. on Friday, January 31 at 4:00 p.m. in 375 Borlaug Hall.

UBEEP CHALLENGE

From Monday, January 13 through February 9, the faculty, staff, and students in Ag. Engineering and McNeal Hall will participate in the first UBEEP Challenge energy conservation competition. The occupants of the two buildings will compete to determine how successful they are in saving energy in offices and classrooms.

EMPLOYEE BENEFITS AT ST. PAUL

Barry Melcher, a counselor from Employee Benefits, will be available Tuesdays in 116 Classroom-Office Building starting Jan. 14. Call 624-9090 to schedule an appointment.

CROPS & SOILS RESEARCH CONFERENCE

The 1992 Crops and Soils Research Conference will be held January 21 and 22 in 306 Borlaug Hall. The theme is "Fostering Communications Among Researchers During the Coming Decade." A dinner will be held at Lido's on January 21 with social hour starting at 6 p.m., dinner at 7 and the program at 8.

DIAL U NEW NUMBER

DIAL U has a new 900 phone number and goes state-wide effective immediately. The new number is 1-900-988-0500.

CSRS REVIEW

The Department of Agronomy and Plant Genetics will undergo a CSRS (Cooperative States Research Service) review April 27-May 1, 1992. Every 4-6 years, at the request of University Administration, CSRS conducts a comprehensive review of departments at land grant institutions. The review covers all aspects of the department (research, teaching, extension). University Administration requests a review especially at times when there is a change in administration, mission, budget, or new opportunities in research (i.e. sustainable agriculture, water quality research). The faculty will develop a comprehensive document about the department. This document goes to a team of 4-5 outside reviewers who will come to the department for the week and will meet with groups of faculty, staff, and students to discuss the department and its programs. CSRS provides funding to our department so part of the review will be to determine if funds are being used appropriately.

A CSRS review is a positive event for the department. It forces us to assess how we are doing and provides us with suggestions from outside reviewers for how to improve.

Eventually everyone in the department will be involved with the review process.

Civil Service Staff: Dr. Crookston has distributed a draft copy of a departmental mission statement and asks that everyone review the statement and provide him with suggestions. The mission statement should be something that everyone can support, work toward, and feel positive about. There will be a meeting on Wednesday, January 29, 8-9 a.m. In 306 Borlaug Hall for Civil Service Staff to get together to discuss the mission statement.

WHAT IS A LAND GRANT INSTITUTE?

In 1862 the Homestead Act gave land to those who would settle it. It attracted thousands of people to the Midwest and Western United States immediately after the Civil War. They soon were asking the government for seeds of crops suited to the drylands, the river valleys and the western plains. The act of 1862 that established the U.S. Department of Agriculture directed the new agency to "collect new and valuable seeds and plants; to test, by cultivation, the value of such of them as may require tests to propagate such as may be worthy of propagations; and to distribute them among agriculturists." The Federal Land-Grant Act of 1862 supplied the states with funds for land-grant colleges where young people could be trained in arts and sciences relating to agriculture. A major goal of the time was to build up in the colleges scientific staffs for collecting, testing, propagating and distributing crop seeds.

SEMINARS

Tuesday
Jan. 21

BPTI Seminar

rDNA approaches to enhance the productivity of immobilized whole cell biocatalysts.
Kristi Swope, Ph.D. Candidate in Chemical Engineering, in 239 Gortner Labs at 4:30 p.m.
Plant Biological Sci. Colloquium
Ethylene, the fruit ripening hormone.

Dr. Athanasios Theologis, USDA-ARS, Plant Gene Expression Center, Albana, CA, in 335 Borlaug Hall at 4:00 p.m.

Agronomy Seminar

Why regulate noxious weeds?
Charles Dale, Supervisor, Seed and Noxious Weed Section, Minnesota Department of Agriculture, 306 Borlaug Hall at 4:00 p.m.

Horticulture Seminar

Association of Botrytis cinerea infection with premature fruit drop in apple, pear, and plum.
Dr. Emily Hoover in 415 Alderman Hall at 3:30 p.m.

Forest Resources Seminar

Breeding strategy for the Aspen/Larch Genetics Cooperative.
Baillian Li in 100 Nat. Resources at 3:00 p.m.

Ecology Seminar

Biological control of Eurasian water milfoil.
Dr. Sallie Sheldon, Middlebury College, Vermont, in 313 Zoology at 3:30 p.m.

Ph.D. Thesis Defense

(1-3,1-4)-B-Glucan 4-Glucanohydrolase Gene Expression in Oat.

Song Joong Yun in 306 Borlaug Hall at 1:30 p.m.

Case Seminar/Discussion

Case study as a research method for agriculture.
Karen Seashore Louis, Chair, Dept. of Educational Policy and Administration, in 306 Borlaug Hall at 12:30 p.m.

Biological Forum

Proposed changes in the biology curriculum at the U.
Dr. Sally B. Jorgenson, Assoc. Dean, CBS, in 306 Borlaug Hall at 7:00 p.m.

Wednes.
Jan. 22

Thurs.
Jan. 23

Friday
Jan. 24

Monday
Jan. 27

BUSH FACULTY DEV. CONFERENCE

The 1992 Bush Faculty Development Conference will be held February 20-21 at the Radisson Hotel South, Bloomington, Minnesota. The topic of the conference is "The Changing World of Faculty Work: The Vision and the Reality". The U of M strongly supports the programs of the Bush Regional Collaboration and will provide a \$50 subsidy for the first 40 faculty and staff members who register for this conference. Registrations will be coordinated by Linda Blake, Executive Assistant, 626-7730, 411 Morrill Hall, and are due in her office by January 24. Please contact her for details.

RECEPTION FOR LAURIE HAYES

There will be a reception to welcome Dr. Laurie Hayes as Associate Dean for Curricular and Student Affairs to the College of Agriculture on Wednesday, February 5 from 3-5 p.m. in the Minnesota Commons of the St. Paul Student Center.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Asst. Prof. in Irrigation/Water Management, Dept. of Agronomy, Colorado State University, Fort Collins, CO.
- Asst. Prof. in Plant Genetics, Dept. of Agronomy, Colorado State Univ., Fort Collins, CO.
- Extension Seed Certification Assistant, Oregon State Univ., Dept. of Crop and Soil Science, Corvallis, OR.
- Extension Seed Certification Specialist, Oregon State Univ., Dept. of Crop and Soil Science, Corvallis, OR.
- Asst. or Assoc. Environmental Toxicology Scientist and Extension Specialist in the Dept. of Crop and Soil Sciences, Washington State Univ., Richland, WA.
- Postdoc/Research Fellow - Soil Science, U of M, Dept. of Soil Science, St. Paul, MN.
- Planning Manager, Worldwide Parent Seed Dept., Pioneer Hi-Bred International, Inc., Johnston, IA.
- Technical Services Manager, Worldwide Parent Seed Department, Pioneer Hi-Bred International, Inc., Johnston, IA.

KERMIT OLSON LECTURE

The Kermit Olson Memorial Lecture is set for February 19, 3-5 p.m., 33 McNeal Hall with a reception following from 5-6 p.m. in the Atrium of McNeal. Dr. Calvin Sperling, Plant Exploration Officer, National Germplasm Resources Laboratory of ARS, Beltsville, Maryland will discuss "Search and Serendipity: Foods the Americas Gave the World."

MACARTHUR GRANTS

The MacArthur Interdisciplinary Program on Peace and International Cooperation is offering grants to graduate and professional students for overseas internships and predissertation fieldwork starting July 1992. Check the bulletin board for more info.

WINTER CROPS AND SOILS DAYS

The Southern Experiment Station-Waseca will hold a Winter Crops and Soils Day on Thursday, January 23, 10 a.m.-3:30 p.m. at the Waseca Campus.

WOMEN IN AG SCIENCE

The Women in Ag. Science group will hold informal get-togethers every other Wednesday at 12:00-1:00 p.m. in 491 Borlaug Hall.

MISSING JOURNALS

The following journals are missing from the Agronomy Library.

Crop Science: May-June 1991 and Sept-Oct 1991.

Weed Technology: Jan-Mar 1991 and Oct-Dec 1991.

Weed Science: Jan-Mar 1991, Apr-Jun 1991, and Oct-Dec 1991.

If you have any of these journals please return them immediately to the library so they can be sent to the bindery. Thank you.

SEMINAR CANCELED

The special plant breeding seminar by Jeanne Romero-Severson, scheduled for January 21 has been postponed to March 10.

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108-6026

RETIREMENT PARTY FOR RUSSELL ADAMS

The Soil Science Department would like to extend an invitation to our faculty for a retirement reception for Dr. Russell Adams Jr. on Friday, January 31 at 4:00 p.m. in 375 Borlaug Hall.

EVENING CLASSES ON CAUCUS NIGHT

State law prohibits the U of M from scheduling any classes or events later than 6 p.m. on Tuesday, March 3, precinct caucus night, unless the Board of Regents specifically authorizes them. Prohibition extends to any class or event beginning earlier than 6 p.m. but extending past 6 p.m.

INTERNATIONAL SYMPOSIUM

The Graduate Students in Agronomy, Soils and Plant Pathology are planning a Symposium on International Agriculture for Tuesday, March 24. They have invited Dr. Norman Borlaug to participate in the symposium. Mark your calendars. More information will be out soon.

WOMEN IN AG SCIENCE

Women in Agricultural Science will meet at 12:00 p.m. Wednesday, January 29 in 491 Borlaug Hall. We will be discussing the role of gender in scientific inquiry. Articles for discussion are available in the WAS packet in the Plant Pathology library. All are welcome.

COMMUNITY CAMPAIGN

The U of M raised \$723,108 during the community campaign this year with a 27.8% participation rate. Our department raised \$3,457 with a 26.74% participation rate.

PRACTICE INTERVIEW SESSIONS

The Minnesota Extension Service will hold 90-minute practice interview training sessions during several dates in February. These sessions will provide a quick mini-course on how to deliver your message in the most effective way during interviews with reporters. It will include two brief on-camera interviews and critiques. The sessions will be held in Room 437 Coffey Hall. Register with Dani O'Reilly in 444 Coffey Hall by January 27. Check the bulletin board for more information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Associate Director, Research, Research Department, Research & Promotion Division, American Soybean Association, St. Louis, MO.
- Asst. Prof. of Biology, West Texas State Univ., Canyon, TX.
- Asst. Extension Specialist, Urban and Community Forestry, Minnesota Extension Service, Dept. of Forest Resources, St. Paul Campus.
- Planner Intermediate - Sustainable Agriculture in St. Paul, Minnesota Department of Agriculture.
- Research Associate in Forage Microbiology/Physiology, Univ. of Arkansas, Fayetteville, AR.
- Asst. Prof. of Plant Pathology, Extension/Research Plant Pathologist, U of Wisconsin-Madison, Madison, WI.
- Director, Ohio Cooperative Extension Service and Associate Dean, College of Agriculture, Ohio State University, Columbus, OH.

SUCCESSFUL ORAL PRELIMS

Azzedine Douiyissi, Mike Davis, Pete Dotray, and Paul Peterson have successfully completed their oral prelim exams. Congratulations.

HAKIMA IS BACK

Hakima Bahri has returned to the department for four months to complete her Ph.D. thesis.

PLANT BREEDING DISCUSSION GROUP

Plant Breeding Discussion Group will meet at Donald Rasmusson's house, 2112 Folwell Avenue, on Thursday, January 30 at 7:00 p.m. The topic is "Are biotechnology and traditional plant breeding in conflict?" For further information contact David DeKoeyer.

WILD RICE PROPOSALS

The Minnesota Paddy Wild Rice Council is soliciting research proposals for paddy wild rice research projects. Deadline is February 4, 1992 and 8 copies must be sent to: Minnesota Paddy Wild Rice Council; 1306 West County Road F, #109; St. Paul, MN 55112.

SEMINARS

**Monday
Jan. 27**Biological Forum

Dr. Sally Jorgensen, Associate Dean for CBS, will discuss "Proposed Changes in the Biology Curriculum at the U of M" in 306 Borlaug Hall at 7:00 p.m.

Plant Breeding Seminar

Asparagus breeding. David Plunkett in 306 Borlaug Hall at 4:00 p.m.

Weed Science Discussion

Multiple herbicide resistance in Lolium.

Stephen Powles, Dept. of Crop Production, Univ. of Adelaide, Australia, in 408 Agronomy at noon.

Soil Science Seminar

Preferential flow in agricultural soils.

Bart Sexton in 375 Borlaug Hall at 3:00 p.m.

Plant Pathology

Cyanobacterin and analogs: Structure-activity relations of a natural herbicide.

Dr. Florence Gleason, Plant Biology, in 365 Borlaug Hall at 3:00 p.m.

Forest Resources Seminar

Forestry in Portugal: An Economical Approach.

Jose Guilherme Calvao Borges in 100 Natural Resources Building at 3:00 p.m.

**Tuesday
Jan. 28**BPTI Seminar

Protein structure, stability and engineering.

Dr. Claire Woodward in 239 Gortner Labs at 4:30 p.m.

Plant Biological Colloquium

Mechanisms endowing multiple herbicide resistance in Lolium biotypes found in Australia.

Stephen Powles, Dept. of Crop Production, Univ. of Adelaide, Australia, in 335 Borlaug Hall at 4:00 p.m.

**Wednes.
Jan. 29**Entomology Head Search

Heading the Right Way.

Mark E. Ascerno in 495 Borlaug Hall at 3:00 p.m.

Agronomy Seminar

Application of weed seed and seedling ecology to low-input crop management.

Frank Forcella in 306 Borlaug Hall at 4:00 p.m.

Horticulture Seminar

Phytoalexins in grapes (and wines).

Evan Siemann in 415 Alderman Hall at 3:30 p.m.

Ecology Seminar

Biological control of Eurasian water milfoil.

Dr. Sallie Sheldon, Middlebury College, Vermont, in 313 Zoology at 3:30 p.m.

**Thursday
Jan. 30**

NATIONAL AG DAY

The week of March 15-21 has been designated as National Agriculture Week with Friday, March 20 as National Agriculture Day and Thursday, March 19 is National Women in Agriculture Week.

Try setting a record in 1992

Farming doesn't pay much nowadays so why not farm high next year and see if you can beat the best.

Following are just a few of the agricultural world records listed in the *Guinness Book of Records*.

Wheat field: The largest single fenced field of wheat was 35,000 acres sown in 1951 southwest of Lethbridge.

Largest farm: A Brazilian pioneer farmer owned 2,149,800 acres starting in 1901 and was still running 250,000 head of cattle at the time of his death in 1975.

Chicken ranch: Croton Egg Farm in Ohio has 4.8 million chickens laying 3.7 million eggs daily.

Turkey farm: Bernard Matthews in Great Witchingham, Britain, has a staff of 2600 tending 9 million turkeys.

Bale stack: A stack of 40,400 bales of straw was built in 1982 by Nick and Tom Parsons in Birdlip, England. It measured 150 by 30 by 60 feet high.

Baling: Svend Erik Klemmensen of Trustrup, Djursland, Denmark, baled 220 tons of straw in 9 hours, 54 minutes using a Heston 4800 baler on Aug. 30, 1989.

Wheat harvest: Philip Baker of Bicester, England, harvested 8175 bushels of wheat in 8 hours, using a Massey Ferguson 38 combine on Aug. 8, 1989.

Agronomy Gleanings

January 31, 1992

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108-6026

DEATH

Sharron Behrens Soukup, daughter of Dick and Anne Behrens, died on Saturday, January 25. The visitation will be held on Saturday, February 1, 12-1 p.m., the memorial service at 1 p.m. at Roseville Memorial Chapel, 2245 Hamline Avenue N., Roseville, Minnesota.

INJURY

Leon Van Beuningen slipped on the ice on Thursday, January 23 and broke his leg in three places. He is at Fairview Riverside Hospital. Flowers were sent by the Flower and Gift Committee.

MISSING JOURNALS

The following journals are missing from the Agronomy Library:

Crop Science: May-June 1991 and Sept-Oct 1991.

Weed Technology: Jan-Mar 1991 and Oct-Dec 1991.

Weed Science: Jan-Mar 1991, Apr-Jun 1991, and Oct-Dec 1991.

If you have any of these journals please return them immediately to the library so they can be sent to the bindery.

EXEMPT W-4 AND MWR FORMS

Exempt W-4's submitted to payroll in 1991 expire on 2/15/92. To avoid having taxes withheld after that date, new exempt W-4's must be received in the Payroll Services office by the following dates. Biweekly Payroll - 4:00 p.m. on 2/11/92; Regular Payroll - 4:00 p.m. on 2/20/92. MWR forms (Reciprocity) expire on 2/29/92. To avoid having Minnesota taxes withheld new forms must be in the Payroll Service Office by the following dates: Biweekly Payroll - 4:00 p.m. on 2/25/92; Regular Payroll - 4:00 p.m. on 3/5/92. MWR forms are available from the Minnesota Department of Revenue at the following number (612) 296-3781. If you have any questions contact Karen Klein at the Payroll Services Office 624-2837 or check with Jeanne Davy in 411 Borlaug Hall.

POSITION ANNOUNCEMENTS

- Coordinator, Farm Credit Mediation Service, Minnesota Extension Service, St. Paul Campus.
- Research Associate Post-Doctoral, Soil Science Dept., North Carolina State Univ., Raleigh, NC.
- Postdoc - Molecular Plant-Microbe Interactions. Dr. Michael Sadowsky, Dept. of Soil Science and Microbiology, U of M, St. Paul.
- Maize Geneticist, Plant Science Unit, Univ. of Missouri, Columbia, MO.
- Director, Center for Environment and Sustainable Agriculture, Winrock International, Morrilton, AR.
- County Extension Agent, 4-H Youth Development, Minnesota Extension Service, Martin County, Fairmont, MN.
- County Extension Agent, Community Resources, Minnesota Extension Service, Clay County, Moorhead, MN.
- Crop Pest Management Technician, Summer position, Minnesota Extension Service, West Central District Office, Morris, MN.
- Acting Associate Provost for Academic Affairs with special responsibility for computing and information systems, U of M, Minneapolis, MN.
- Assistant Provost for Academic Affairs (chairs the Commission on Women and is responsible for coordinating the implementation of projects undertaken as part of the Minnesota Plan II, U of M, Minneapolis, MN.
- Corn Breeding Technician, Pioneer Hi-Bred Int'l., Inc., Janesville, WI.
- Asst. or Assoc. Prof. of Biology, Plant Membrane Biologist, Dept. of Biology, Univ. of South Dakota, Vermillion, SD.
- Head of Department, Dept. of Horticulture, Oregon State University, Corvallis, OR.

SEMINARS

**Monday
Feb. 3**

Plant Breeding Seminar

Variation in recombination frequency in inter- and intraspecific crosses.

Hal Mickelson in 306

Borlaug Hall at 4:00 p.m.

Soil Science Seminar

Microbial dynamics on plant surfaces.

Linda Kinkl in 375 Borlaug

Hall at 3:00 p.m.

Plant Pathology Seminar

Biological production of natural products.

Eric Eckwall in 365 Borlaug

Hall at 3:00 p.m.

Forest Resources Seminar

EPA/University of Minnesota aquatic toxicity testing and field validation.

Michael Swift, Research Associate, Monticello

Ecological Research Station,

in 100 Natural Resources at 3:00 p.m.

PMGI Seminar

Production of phytotoxins associated with scab disease of potato by streptomyces scabies.

Martin Babcock in 306

Borlaug Hall at 12 noon.

Weed Science Discussion

Super grass and wonder weed, herbicide resistance in Australia.

Michael Burnet, Dept. of Crop Protection, Univ. of Adelaide, Australia, in 408 Agronomy at noon.

AGRO 8000

AGRO 8000, Supervised Teaching

Experience will not be offered Fall 1992 but rather Winter 1993. There will be an organizational meeting in late summer or early fall. If you are interested contact Steve Simmons.

**Tuesday
Feb. 4**

Plant Bio. Sci. Colloquium

Genes that control light-regulated gene expression and development in

Arabidopsis.

Joann Chory, Plant Bio Lab, Salk Institute for Bio Studies, San Diego, CA, in 335

Borlaug Hall at 4:00 p.m.

BPTI Seminar

Folding studies of site directed mutants of BPTI.

Michael Salvati in 239

Gortner Labs at 4:30 p.m.

Agronomy Seminar

Reducing herbicide use with innovative weed management options.

Milt McGiffen, Post doc, Weed Biology, ARS, Morris, in 306 Borlaug at 4:00 p.m.

Horticulture Seminar

Ethics in Science: What we should be doing.

Dr. Mark Brenner, Associate Dean of the Graduate School and Prof. of Hort.

Sci., in 415 Alderman Hall at 3:30 p.m.

Special Seminar

Our growing heritage - Minnesota forests.

John Thompson, Area Manager, St. Louis County Land Department, in St. Paul Student Center Theater at 12 noon.

**Wednes.
Feb. 5**

**Thurs.
Feb. 6**

PROJECT REVIEW SEMINARS

Mark your calendars for these Project Review Seminars as follows:

March 10 - Donald Barnes, Nancy Ehke

March 12 - Carroll Vance, Ronald Phillips

March 17 - Ervin Oelke, Ramie Porter

March 19 - John Gronwald, Jeff Gunsolus

These seminars will be held at noon in 306 Borlaug Hall.

Agronomy Gleanings

February 7, 1992

Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, MN 55108-6026

DEADLINE AVAILABLE

We have received the latest issue of Deadline, the quarterly listing of sponsored program deadline information from ORTTA. Please check with Jeanne Davy if you wish to see a copy.

NEW MINNEAPOLIS PHONE BOOKS

Minneapolis 1992-93 yellow and white pages are scheduled for delivery on Friday, February 14. New phone books are left on an even exchange for old books. So bring your old phone books up to the main office (411 Bortaug) for recycling and then sign the sheet listing how many books you've returned. Please stack the books in three stacks: yellow, white and miscellaneous. You can also leave any other old phonebooks for recycling at this time. The U of M spends 50 cents to dispose of each set of Minneapolis white and yellow pages that are not recycled. Last year, by recycling, we made it possible to recover 80% of the 12,450 old sets discarded for a savings of \$4,500. Please recycle.

HOLIDAY SCHEDULE FOR 1992-93

The following University holiday schedule has been approved for Civil Service Staff on the Twin Cities Campus for the 1992-93 fiscal year.

Major Holidays (All Campuses)

Independence Day - July 3, 1992 (Friday)
Labor Day - Sept. 7, 1992 (Monday)
Thanksgiving - November 26, 1992 (Thursday)
Christmas - December 25, 1992 (Friday)
New Year's Day - January 1, 1993 (Friday)
Martin Luther King's Birthday - January 18,
1993 (Monday)
Memorial Day - May 31, 1993 (Monday)

Floating Holidays (Twin Cities)

November 27, 1992 (Friday)
December 23, 1992 (Wednesday)
December 24, (1992) Thursday

The eleventh holiday has been designated a personal holiday for 1992-93. Check with your Jeanne Davy if you are not sure of the policy regarding personal holidays.

CAR FOR SALE

For Sale: 1973 Toyota, 4 door, auto, runs good, minimal rust (it hasn't been in Minnesota very long), burns no oil, 106,000 miles, almost new tires, batter, front brakes, tune-up. \$500 o.b.o. Call Lauren Johnson at 489-0025.

COA STUDENT INFORMATION

Of the new Minnesota high school students enrolled, in the College of Agriculture, Fall Quarter 1991, 17.6% were in the top 5% of their high school class. This figure is second highest of the freshman admitting colleges -- second only to the Institute of Technology at 38.8%. In addition, the yield rate for the COA (successful progress from being an application to an enrollment) for Fall 1991, was 75.8%, which was the highest of all 6 freshmen-admitting colleges.

FARM FAMILY RECOGNITION BANQUET

On Thursday, March 19, farm families from across the state will be honored at the Annual Farm Family Recognition Banquet on campus. Most will also attend the County Extension Day on campus on March 20. Host families are being sought to provide housing, breakfast and friendship to visiting families. If you are interested call 625-9292. Host families receive complimentary tickets to the banquet.

KERMIT OLSON MEMORIAL LECTURE

Horticultural Science will hold the 1992 Kermit Olson Memorial Lecture on Wednesday, February 19 at 3:30 p.m. in the McNeal Hall Auditorium (Room 33). Dr. Calvin R. Sperling, Head of USDA's Ag. Research Service's Plant Exploration Office will present, "Search and Serendipity: Foods the Americas Gave the World." A reception honoring Dr. Sperling and Horticultural Science Department Scholarship Recipients will follow the lecture.

GRAD SCHOOL FACULTY GRANTS

We have received information on the Graduate School Grant-in-Aid of Research, Artistry and Scholarship. This grant program was established to promote excellence in the scholarly, scientific, and artistic activities of the U of M faculty. In most cases grants are not meant to provide sole support for research activities, but instead to act as "seed" money for developing projects to the point of attracting more complete, external funding. The deadline for applications is March 2, 1992. Check with Jeanne Davy for application materials or call the Graduate School at 625-2356 and they will mail you an application packet.

WSSA MEETINGS

The Weed Science Society of America will hold their annual meeting in Florida during the week of February 10-14.

SEMINARS

- Monday**
Feb. 10
- Plant Breeding Seminar
Estimation of variance components for unbalanced data.
Tabare Abadie in 306 Borlaug Hall at 4:00 p.m.
- Soil Science Seminar
Ecological economics.
Dennis Bradley, Forest Service, in 375 Borlaug Hall at 3:00 p.m.
- Tuesday**
Feb. 11
- Plant Biological Sci Colloquium
Structure and activity of two dissimilar thioredoxins in cyanobacteria.
Florence Gleason in 335 Borlaug Hall at 4:00 p.m.
- BPTI Seminar
Biochemical engineering research and education in Japan: Reflection of a six-month visit to Osaka University.
Dr. Wei-Shou Hu in 239 Gortner Labs at 4:40 p.m.
- Plant Pathology Seminar
Sustainable growth in agricultural productivity: Poetry, policy and science.
Vern Ruttan, Agricultural Economics, in 365 Borlaug Hall at 3:00 p.m.
- Forest Resources Seminar
Advancing forest planning models to recognize transportation considerations.
Douglas Kapple in 100 Nat. Resources at 3:00 p.m.
- Wednes.**
Feb. 12
- Agronomy Seminar
Water deficits in seed development.
Mark Westgate, Plant Physiologist, ARS, Morris, in 306 Borlaug Hall at 4:00 p.m.
- Horticultural Science Seminar
Gene flow from cultivated to wild raspberries: Risk assessment for genetic engineering.
James Luby in 415 Alderman Hall at 3:30 p.m.
- Thursday**
Feb. 13
- Ecology Seminar
Carbon isotope fractionation and the assessment of community and climate change.
Larry Tieszen, Augustana College, South Dakota, in 313 Zoology at 3:30 p.m.

ENVIRONMENTAL EDUCATION GRANTS

We have also received information regarding Environmental Education grants through the Environmental Protection Agency. The grants will support projects to design, demonstrate, or disseminate practices, methods, or techniques related to environmental education and training. EPA is encouraged requests for \$5,000 or less but could be for more. Check with Jeanne Davy for more information.

GENETICS SOCIETY ANNUAL MEETING

The 1992 annual meeting of the Genetics Society of America will be held at the Earle Brown Center on the St. Paul Campus, Thursday to Sunday, June 18-21, 1992. Registration starts at 1:00 p.m. on Thursday, June 18th at the Earle Brown Center. The meeting is limited to 400 attendees. U of M faculty, postdocs and graduate students are invited to attend and participate. Abstracts are required for individuals wishing to speak or present a poster. Forms must be received by March 2, 1992. If you have questions contact Ron Phillips or Burle Gengenbach. Check the bulletin board for more information regarding registration fees and a schedule.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Postdoctoral Research Associate, Plant Molecular Biology Plant Tissue Culture, Ohio State Univ., Dept. of Agronomy, Wooster, OH.
- ECHO (Educational Concerns for Hunger Organization) is recruiting 5 college graduates to work with them for one year as interns in tropical small farm agriculture and gardening (southwestern Florida near Fort Myers) (they do not require a degree in agriculture or the sciences).
- The Nature Conservancy will be hiring people to work on burn crews (you will travel through Iowa and the Dakotas conducting prescribed burns and property management on tallgrass and mixed grass prairie preserves. Iowa Field Office, Des Moines, IA.
- Assistant Instructor in crop and seed quality course, (temporary), Dept. of Agronomy, Kansas State University, Manhattan, KS.
- Assistant Extension Nematologist/Assistant Nematologist, Univ. of California, Riverside, CA.
- Dean, School of Agricultural Science and Technology, California State University, Fresno.
- Director, Division of Resource Management, West Virginia University, Morgantown, WV.
- Chair, Biological Sciences, Illinois State University, Normal, IL.

PIONEER HI-BRED GRANTS

We have received information regarding the Pioneer Hi-Bred International, Inc., competitive grants program. Preproposals are due March 1, after review complete proposals will be requested from selected investigators by August 1, 1992. Grants will be awarded for 1 to 3 years with a maximum of \$30,000 per year or \$60,000 for the duration of the grant. This program is designed to support basic research relating to agronomic plants of interest to Pioneer. Check with Jeanne Davy for more information or write to Diane Evans, Research Grants Committee, 7250 N.W. 62nd Ave., P.O. Box 1004, Johnston, IA 50131-1004 (FAX: 515-270-4312).

PRELIMS PASSED

Kim Evenson has successfully completed her Ph.D. oral prelim exams. Congratulations.

Agronomy Gleanings

February 14, 1992

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108-6026

CIVIL SERVICE EMPLOYEES:

MSRS is sending an election packet to all University employees who had MSRS retirement deductions taken on the last full pay period ending in December, 1991. This material is being sent by campus mail and will include: Notice of Election, Biographical Sketches of Candidates, Ballot, Ballot Envelopes and a return envelope addressed to "Tellers".

IN ORDER TO BE COUNTED, ALL VOTES MUST BE POSTMARKED NO LATER THAN MARCH 2, 1992.

COMPUTER ROOM SURVEY RESULTS

Thanks to those responding to the survey.

Survey Highlights:

	# Responding	IBM	MAC
Students	24	70	30
Staff	11	10	90
Faculty	9	66	34

The most commonly mentioned problem was the availability of the computers. Almost all of the software is being utilized, with word processing being used most often.

Thanks again.

The Computer Room Committee

LIBRARY

The following journals are missing from the Agronomy Library:

Crop Science: May-June 1991 and Sept.-Oct. 1991.

Weed Technology: Jan.-March 1991 and Oct.-Dec. 1991.

Weed Science: Jan.-March and April-June, 1991.

If you have any of these journals please return them immediately to the library so they can be sent to the bindery.

TEMPORARY HOUSING - RENTAL

Furnished Home - St. Anthony Park (one block from the St. Paul Campus, U of M). Available for Spring Quarter 1992 (could be available to July 1, 1992). Two bedrooms, 1 1/2 baths, fenced in back area. Prefer visiting academics, faculty, family o.k., non-smokers, \$500/mo. plus utilities. Call 612-645-6294 before March 21, 1992.

SUMMER PROGRAM IN DOMINICAN AGRICULTURE

The Ohio State University is sponsoring a program in conjunction with the Instituto Superior de Agricultura. The cost of the program is \$1,800 with airfare and personal expenses extra. Students can earn 15 quarter credits. Application deadline is April 1, 1992. For further information and application materials contact: Office of Study Abroad, The Ohio State University, Oxley Hall, 1712 Neil Avenue, Columbus, OH 43210 (614) 292-6101.

BIOLOGICAL FORUM

Biological Forum Symposium III will be held on Monday, February 24 from 8:30 to 5:00 in the Earle Brown Center. Register now for symposium on "Genetically engineered organisms: how should they be introduced into the environment and issues for public institutions and regulatory agencies." Registration is \$25.00 for all UM employees and includes lunch. Journal vouchers may be used. Call 625-2285 for account number to credit or contact Burle Gengenbach for further information.

GRADUATE CLUB

The Graduate Club Winter Soup Line will be held on February 26 from 12:00-1:00 in room 306 Borlaug. Cost is \$3.00 per person. All proceeds go to charity. Come and enjoy several bowls of homemade soup!!

CALL FOR NOMINATIONS

Call for nomination of faculty and graduate students to Gamma Sigma Delta, the Honor Society of Agriculture, is again out. Please suggest names to Vern Cardwell for this honor.

WALK-IN FREEZER

Someone has several boxes of samples in the walk-in freezer (119 Borlaug Hall) labelled U of M Soils RAL-5, RAL-2 etc. Please move these boxes to the back of the cold room, as we need to get down the aisles which are being blocked to get our tissue samples out. We use these aisles frequently and have moved the boxes several times to no avail. Thanks.

PHILIP C. HAMM SCHOLARSHIP PROGRAM

- Undergrad students in Plant Sciences and Related Disciplines:
 - 2 scholarships of \$500 each
- Graduate students in Plant Sciences and Related Disciplines
 - non-renewable scholarship \$1,000

U-OPERATED BOOKSTORES

The 4 U-operated bookstores on campus will accept VISA or MasterCard as a form of payment beginning February 17, 1992.

NOMINATIONS FOR 1992 ACADEMIC STAFF

Nominations are open through April 13. Information and forms are available from Kay Dressler, 411 Morrill Hall, (612) 624-6556. Each award carries a stipend of \$2,000 plus \$1,000 support professional developmental activities. Award recognizes extraordinary service to the U by academic professional and administrative staff members.

WOMEN IN AGRICULTURE

You are invited to participate in a support group designed for undergraduate women in the COA. February luncheon meeting will be held on February 18 in 120 Coffey Hall at 11:45.

DIRECTORS OF GRADUATE STUDIES

In James F. Schaefer's memo of 5 February 1992, regarding spring quarter 1992 registration and quarterly warnings list, we mistakenly stated that the last day to register was Friday of the second week of the quarter (10 March). This is incorrect, Friday of the second week of spring quarter 1992 is actually

April 10, 1992. Please take note of this correction and we apologize for any inconvenience this may have caused.

SEMINARS

Mon., Plant Breeding Seminar

Feb. 17 Transformation strategies for improving fungal disease resistance. Abdul Kamanzi in 306 Borlaug Hall at 4:00 p.m.

Plant Pathology Seminar

Rosellinia on potatoes. Ligia Ayala in 365 Borlaug Hall at 3:00 p.m.

PMG Seminar

Suppression by antisense RNA during transient gene expression in maize. Stella Veretnik in 306 Borlaug Hall at 12 noon.

Weed Science Discussion

Review and discussion of WSSA meeting. Leaders: those attending the meeting. Meet in 408 Agronomy at 12 noon.

Forest Resources Seminar

Leaf lifespan in relation to leaf, plant, and stand-level traits in diverse forest ecosystems (or, why do some leaves live for fifty days, while others live for fifty years?) Peter Reich in 100 Natural Resources Admin. Bldg. at 3:00 p.m.

Tues., Plant Bio. Sci. Colloquium

Feb. 18

Origin and maintenance of a landscape mosaic in northern hardwoods forest. Regents' Professor Margaret Davis, Dept. of Ecology, Evol. & Behavior, U of M, 335 Borlaug at 4:00 p.m.

BPTI Seminar

Protein disulfide isomerase expression in a hybridoma cell line. Kirstin Kitchin in 239 Gortner Labs at 4:30 p.m.

SEMINARS

Tues. Entomology Seminar

Feb. 18 Entomology and death: solving mysteries with maggots. Val Cervenka in 490 Hodson Hall at 3:15 p.m.

Wed., Agronomy Seminar

Feb. 19 Become involved in a decision case discussion session (actual case will be provided in advance). Mel Stanford, Management Specialist, Visiting Professor, in 306 Borlaug Hall at 4:00 p.m.

Horticultural Science

"Search and Serendipity: Foods the Americas gave the world". Calvin Sperling, Plant Exploration Officer, National Germplasm Resources Laboratory, ARS, Beltsville, MD. Seminar will be held in 33 McNeal Hall at 3:30 p.m.

Thurs., Ecology Seminar

Feb. 20 Opinion, behavior, and the spread of AIDS. David Fan in 313 Zoology at 3:30.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor of Plant Pathology in the College of Natural and Agricultural Sciences at University of California, Riverside.

-Postdoc - Mechanisms and possible signal molecules involved in control of legume nodulation. Dr. J.E. Harper, USDA, Urbana, IL.

-County Extension Agent, 4-H Youth Development, Ramsey County, St. Paul, MN.

-County Extension Agent, 4-H Youth Development, Becker County, Detroit Lakes, MN.

-Assistant Station Manager, Dept. of Alfalfa Breeding, Arlington, Wisconsin, Pioneer Hi-Bred International, Inc.

-Viticulturist-Assistant Professor, Department of Horticulture, Oregon State University, Corvallis, OR.

-Assistant Station Manager, DeKalb Plant Genetics, M.S. Degree, Beaman, IA.

AGRONOMY GLEANINGS

February 21, 1992

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108-6026



CONGRATULATIONS TO VERN CARDWELL

Vern Cardwell has been elected as a Fellow of the American Association for the Advancement of Science, February 10, 1992. Dr. Cardwell was nominated for this honor by Kenneth Frey from Iowa State University. The citation that accompanied the nomination read, "For innovative problem solving approaches in teaching, for leadership in instructional improvement locally and nationally, and for unwavering commitment to excellence in undergraduate education." Congratulations.

CONGRATULATIONS

Dennis Dolan and his wife, Debbie, had a baby girl on February 17. Her name is Hillary Ann and she weighed 8 lbs. 10.5 oz. Congratulations.

LAND AND FERTILIZER REQUESTS FOR ST. PAUL

Projects needing plot space on the St. Paul Campus that are not assigned permanent space should get their requests to me, in writing by Friday, March 13. Please include details concerning dimensions needed, expected planting and harvest dates, fertilizer, herbicide requirements and length of time of the study. Include a basic explanation of the study. I will be ordering fertilizer for the Department on March 2. If anyone has a special request, let me know by then, otherwise I will order the same quantity and analysis as last year.

Tom Warnke

VISITING SCIENTIST

Randy Hautea, a visiting scientist from the Institute of Plant Breeding in the Philippines, is scheduled to arrive on February 24 for about nine months. Randy completed his Ph.D. in Plant Breeding at Cornell University in 1985 where he worked on the genetics of partial resistance to powdery mildew in spring wheat. He is interested in adapting and utilizing plant biotechnology techniques in applied plant breeding. He will be working on the oat genome project with Drs. Rines, Phillips and Stuthman.

AGRONOMY 8280 - SPRING QUARTER

Attention Graduate Students: If you are planning to register for Agro 8280, Current Topics in Plant Breeding during Spring Quarter 1992, please contact Deon Stuthman and give him your schedule for Spring Quarter so he can arrange a time that is best for all students to meet. He would also like suggestions for possible topics to discuss.

GRADUATE CLUB

The Graduate Club Winter Soup Line will be held on February 26 from 12:00-1:00 p.m. in room 306 Borlaug Hall. Cost is \$3.00 per person. All proceeds go to charity. Come and enjoy several bowls of homemade soup. Donations of soup are welcome. Please bring your soup to 306 Borlaug Hall by 11:00 a.m. on February 26.

GRADUATE STUDENTS WINTER POT-LUCK DINNER

Graduate students in the Department of Agronomy and Plant Genetics are cordially invited to attend the annual Winter Pot-Luck Dinner, Saturday, February 22 in 306 Borlaug Hall. Dinner will be served at 6:00 p.m. with entertainment following. Please bring a dish to share with others according to the first letter of your last name:
A-G: Salad or appetizer, H-N: Hot dish, O-Z: Dessert.
Drinks, utensils, and plates will be provided. Please bring any musical talent or instruments that you wish to share. Spouses and children are welcome and encouraged to attend. For further questions please see Phil or Sandra in 303 Agronomy Bldg.

WARNING REFRIGERATOR CLEAN-UP

On Friday, February 28, we will be cleaning out the refrigerator in 302/306 Borlaug Hall. If you have become attached to something in that refrigerator and want to save it, get down there and mark it now. Otherwise anything that is not marked (including old jelly, jam, ketchup, mustard, pickles, salsa, yogurt, Similac, vegetable dips, old lunches, old fruit) will be tossed into the garbage and the refrigerator will be scrubbed out.

THANK YOU FROM LEON

Leon Van Beuningen would like to thank his friends in the department for the flowers, the cards and the visits. He is recovering at home now and hopes to come in to work for a visit soon. He will have the brace on his leg for 10-12 weeks.

CONGRATULATIONS TO AG ENGINEERING

They are the winner of the first UBEEP Challenge in energy conservation. The occupants in Ag Engineering used only 72% of their normal February office electricity usage last week to narrowly pass McNeal Hall occupants. McNeal Hall occupants used only 77% of their normal use, also an impressive savings. Both buildings' occupants ended up averaging savings of at least 20% of their normal office and classroom electrical use over the four week period. During the UBEEP Challenge, the occupants in both buildings saved approximately \$900. If occupants in all buildings on the Twin Cities campuses match these efforts, the savings could exceed \$900,000 annually.

M.S. THESIS DEFENSE

Simulation, development, and evaluation of spring seeded smother plants for weed control in corn (*Zea mays*). Robert De Haan, February 26, 2:00 p.m. in 306 Borlaug Hall.

COURSE ANNOUNCEMENT

Special topics in cell and developmental biology cell cycle control, Spring Quarter 1992. Registration information: GCB 8-060, Current Topics, 2 cr., S/N or A/F, call number 547578, contact Fred Boyd at 624-8150 for more information.

PRODUCING PUBLICATIONS

Marcia Fluor, Director, University Relations, has put together handouts that offer suggestions and step-by-step procedures for producing publications. Please see Jeanne Davy if you are interested in seeing this material.

H.K. HAYES AWARD

Shawn Kaeppler has been selected to receive the H.K. Hayes Graduate Student Award. Governor Arne Carlson will present the H.K. Hayes Memorial Lecture on Monday, April 13, 1992 at 7:30 p.m. in the Earle Brown Center.

PROFESSORSHIP ENDOWMENT

Dr. Robert A. Nilan was selected as the first recipient of the Professorship in Barley Research and Education named in his honor. He will serve as coordinator of the international cooperative research project to map the barley genome by RFLP techniques while in this capacity. He is located at the Department of Crop and Soil Sciences on the Washington State University campus, Pullman, Washington.

APPLI-TECH '92

Agricultural Chemical Application Technology in the '90s. The conference will be held June 17-19, 1992, Regina, Saskatchewan, Canada. Learn about chemical application technology for the 1990s, top quality speakers will bring together a variety of concepts and viewpoints, tour Agriculture Canada's Regina Research Station for demonstrations of the latest in application technology. For more information contact Bruce Hobin (306) 966-5551.

ANNUAL MEETING - GENETICS SOCIETY OF AMERICA

The 1992 annual meeting of the Genetics Society of America will be held at the Earle Brown Center on the St. Paul Campus from Thursday to Sunday, June 18-21, 1992. If you have any questions, contact Ron Phillips (625-1213) or Burle Gengenbach (625-6282).

CONFERENCE

Participatory On-farm Research and Education for Agricultural Sustainability, July 30 - August 1, 1992, Champaign, Illinois. Contact: Dr. John M. Gerber (217) 244-4232.

MINNESOTA TOUR FOR FACULTY AND STAFF

A tour of the Twin Cities Metro area will include visiting both public and private organizations, touching upon issues such as health care and waste management. Daylong tours are scheduled for April 27 and May 5, 1992. Participants may attend one or both days and tour includes food and transportation. Please call External Relations (624-2855) before March 20.

SEMINARS

- Mon.,
Feb. 24** Plant Breeding Seminar
Biological Forum - All Day Symposium at the Earle Brown Center on "Genetically engineered organisms: introduction and regulation".
Weed Science Discussion
The water quality dilemma: surface and ground water quality. Leader: Doug Buhler. Meet in 408 Agronomy at 12 noon.
Forest Resources Seminar
Societal prosperity and natural resources - some disquieting trends. Henry Webster in 100 Natural Resources Admin. Bldg. at 3:00 p.m.
Soil Science Seminar
Macropore characterization: structure and morphology. Emmanuel Munyankusi in 375 Borlaug Hall at 3:00 p.m.
- Tues.
Feb. 25** Plant Bio. Sci. Colloquium
Molecular analysis of flower development in Antirrhinum majus. Heinz Saedler in 335 Borlaug Hall at 4:00 p.m.
Special Seminar
Significance of reproductive mutants in crop plants. David Stelly in 306 Borlaug Hall at 1:00 p.m.
- Wed.
Feb. 26** Agronomy Seminar
History and future of the seed industry in Uruguay. Alejandro Peralta in 306 Borlaug Hall at 4:00 p.m.
Horticultural Science
Root system modification of Quercus rubra. Daniel Krueger in 415 Alderman Hall at 3:30 p.m.
- Thurs.,
Feb. 27** Ecology Seminar
Mast flowering and seed predation in a New Zealand alpine grass. Mark McKone in 313 Zoology at 3:30 p.m.

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.
- Postdoc - Molecular genetics of embryogenesis in arabidopsis. Dr. David W. Meinke, Oklahoma State University, Stillwater, OK.
 - Postdoc - Extension based program of Dr. Jeffrey C. Silvertooth in the Department of Plant Sciences of the College of Agriculture, University of Arizona, Tucson, AR.
 - County Extension Agent, Agriculture, Mower County, Austin, MN.
 - County Extension Agent, 4-H Youth Development, Mower County, Austin, MN.
 - Director, Ohio Agricultural Research and Development Center (OARDC) and Associate Dean, College of Agriculture. Dr. Fred P. Miller, Search Committee Chair, The Ohio State University.
 - Graduate Administrative Fellow Community Service Programs. Margaret Bodley, Community Service Programs Student Employment Center, 120 Fraser Hall, University of Minnesota.
 - Research Associate in Weed Science/Water Quality. Dr. Fred A. Cholick, Head, South Dakota State University.



Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108-6026

CONGRATULATIONS

Dr. Mark Ascerno has been named Department Head, Department of Entomology. Congratulations.

SPECIAL SEMINAR

"Value and Use of Corn Hybrid Performance Testing by Land Grant Universities."
Dr. Paul Carter, University of Wisconsin,
Monday, March 23, 10:00 a.m. in 306 Borlaug Hall.

AGRICULTURAL AMBASSADORS

Commissioner Elton Redalen will be addressing the Agricultural Ambassadors at their monthly meeting held in the Minnesota Commons Room, St. Paul Student Center, Tuesday, March 3 at 4:30 p.m. Commissioner Redalen will be addressing Agricultural Issues in Minnesota.

FULBRIGHT SCHOLAR PROGRAM

The 1993-1994 competition for awards under the Fulbright Scholar Program for post-doctoral lecturing and research abroad will open March 1. Information available in 411 Borlaug Hall.

COURSE ANNOUNCEMENT

A new course is being offered Spring Quarter, 1992 dealing with cereal structure, biochemistry, and processing. FScN 5111, Introduction to Cereal Chemistry and Technology. Contact Gary Fulcher at 626-1220.

MIDWEST PLANT BIOT. CONSORTIUM

Request for preproposals on 1992 competition for research on energy from biomass are due March 23, 1992. See Jeanne Davy in 411 Borlaug Hall for more information.

SEMINARS

Mon., Plant Breeding Seminar

March 2 Strategies for the utilization of genetic resources. David DeKoeyer in 306 Borlaug Hall at 4:00 p.m.

Weed Science Discussion

Corn/soybean/weed population dynamics. Thesis proposal: John Lindquist. Meet in 408 Agronomy at 12 noon.

Plant Molecular Genetics Seminar

Receptors protein kinases and co-suppression. Bob Pruitt in 306 Borlaug Hall at 12 noon.

Forest Resources Seminar

Factors affecting the artificial establishment of white pine stands in Minnesota. Kurt Sauerman in 100 Natural Resources at 3:00 p.m.

Plant Pathology Seminar

Methods for collection and distribution of plant pest survey information. Bruce Potter in 365 Borlaug Hall at 3:00 p.m.

Tues., Plant Bio. Sci. Colloquium

March 3 Characterization of elements of the CaMV 35S promoter and an organ specific promoter. Tim Conner in 335 Borlaug Hall at 4:00 p.m.

BPTI Seminar

Metabolism and characterization of polyhydroxyalkanoates. Daniel Jackson in 239 Gortner Labs at 4:30 p.m.

Wed., Agronomy Seminar

March 4 Factors influencing environmental contamination with herbicides. Sangyong Ma in 306 Borlaug Hall at 4:00 p.m.

Horticultural Seminar

Factors affecting adventitious root formation on cuttings from *Aesculus* sp. 'Autumn Splendor'. James Busse in 415 Alderman Hall at 3:30 p.m.

SEMINARS

Thurs., Ecology Seminar
March 5 Communal nursing in lions. Anne
Pusey in 313 Zoology at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all positions
announcements can be found at the
front desk in 411 Borlaug Hall.

-Postdoc - Plant molecular biology.

Glenn B. Collins or Patricia J. Moore,
University of Kentucky, Lexington, KY.

-Postdoc - Soybean genetic transformation.

Glenn B. Collins or Patricia J. Moore,
University of Kentucky, Lexington, KY.

-Research Associate - Rapeseed Breeding.
University of Idaho, Moscow, Idaho.

LIVERMORE LABS DISCOVER NEW ELEMENT

*A bit of anonymous computer folklore, passed along by Arthur Taber via
the KALW BBS.*

PRESS-FOR IMMEDIATE RELEASE

The heaviest element known to science was discovered today
by physicists at Lawrence Livermore National Laboratories.

The element, tentatively known as Administratium, has no
protons or electrons and thus has an atomic number of 0. How-
ever it does have one neutron, 125 assistant neutrons, 75 vice
neutrons, and 111 assistant neutrons, giving it an atomic mass of
312. These 312 particles are held together in a nucleus by a force
that involves the continuous exchange of meson-like particles,
called morons.

Since it has no electrons, Administratium is inert. However,
it can be detected chemically, since it impedes every reaction
with which it comes into contact. According to the discoverers
(now employed by Hewlett-Packard), a minute amount of Ad-
ministratium caused one reaction to take over four days to
complete when it normally would occur in less than one second.

Administratium has a normal half life of approximately three
years at which time it does not actually decay, but, instead,
undergoes a reorganization in which the assistant neutrons, vice
neutrons, and assistant vice neutrons exchange places. Some
studies have shown that the atomic weight actually increases
after each reorganization.

Research at other laboratories indicates that Administratium
occurs naturally in the atmosphere. It tends to concentrate at
certain points, such as government agencies, large computer or
aerospace corporations, and universities, and can actually be
found in the newest, best-maintained buildings.

Scientists point out that Administratium is known to be toxic
at any level of concentration and can easily destroy any produc-
tive reaction where it is allowed to accumulate. Frantic attempts
are being made to determine how Administratium can be con-
trolled to prevent irreversible damage, but results to date are not
promising, since attempts to control it simply cause more Ad-
ministratium to be created.

*Reprinted from Blue Notes, the newsletter of the San Francisco Personal
Computer Users Group, April 1991*

MIW
9/28/92

AGRONOMY GLEANINGS

March 6, 1992

Department of Agronomy and Plant Genetics University of Minnesota, St. Paul, MN 55108-6026

CONGRATULATIONS

Robert Jones is featured in Mpls.-St. Paul Magazine as one of five memorable college instructors in the State of Minnesota. He was the only one profiled from the University of Minnesota.

Robert, we're proud of you and the recognition you bring to our department.

See Kent Crookston if you would like to see the article.

GRAMMY AWARD

A reception will be held for Robert Jones on Thursday, March 12 at 3:00 p.m. in 408 Agronomy Building. Everyone is invited.

THANK YOU

We would like to thank you who sent cards, visited and/or attended Sherry's memorial service. Your kindness and thoughtfulness has been greatly appreciated.

Dick and Anne Behrens

WELCOME

Please welcome John Vaadeland to the department. John will be working as a Research Plot Technician with the Soybean Breeding Project.

ELEVATOR

Please remember to close the gate on the elevator door in the Agronomy Building.

THEFTS

There has been several thefts in the past week in Crops Research, Classroom Office Building and Green Hall. Please lock your purses and backpacks in your office.

DEFENSIVE DRIVING COURSE

Plant Pathology is sponsoring a free Defensive Driving course for Agronomy, Plant Pathology, and Soil Science members and their family members. It will be held in 491 Borlaug Hall from 1:00-4:30 p.m. on March 18 and from 8:30-12:00 on March 19. You must attend both sessions. Sign-up for the course at the

main desk in 495 Borlaug Hall.

FLEET SERVICES/FARM SHOP

The Fleet Services Department on the Minneapolis Campus, and the Farm Shop on the St. Paul Campus are now being managed as one department, and supervised by Bill Roberts who has been in charge of the Minneapolis Fleet Services for the past several years. Many things are being reorganized within the St. Paul shop, and I think there are several changes that will interest those of us who have vehicles, implements, and plot equipment that require service and repair. Bill would like to meet with project representatives to discuss changes that they have made, and to get feedback from us on our ideas, and opinions. We are going to have a meeting on Friday, March 13 in 306 Borlaug Hall at 10:00 a.m. Please try to have someone from your project attend.

Tom Warnke

SPECIAL SEMINAR

From lab to farmers field: RFLP tools in plant breeding. Jeanne Romero-Severson in 306 Borlaug Hall on Tuesday, March 10 at 8:30 a.m.

SYMPOSIUM

Multidisciplinary approach to problems in international agriculture. Norman E. Borlaug in the Theater of the St. Paul Student Center on Tuesday, March 24 from 9:00-4:30 p.m. Presented by graduate students in Agronomy, Plant Pathology and Soil Science.

RESEARCH PROJECT SEMINAR

Cool-season forage breeding - Genetics and seed production. Nancy Ehlike on Tuesday, March 10 in 306 Borlaug Hall from 12 noon to 1:30 p.m.

1992 N.D. WATER QUALITY SYMPOSIUM

Final programs are available in 411 Borlaug Hall.



FRANKLIN PLANNER

If anyone has faulty parts of their Franklin Planner, please see Lynne in 302 Agronomy Building.

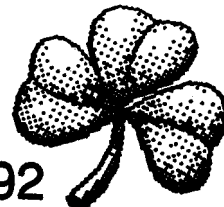
SEMINARS

- Mon.,
March 9 Plant Breeding Seminar
Molecular markers as an aide in plant breeding. Carlos Raupp in 306 Borlaug Hall at 4:00 p.m.
Weed Science Discussion
Diclofop resistance in wild oat. Leader: Bruce Murray, Visiting Scientist. Meet in 408 Agronomy at 12 noon.
Forest Resources Seminar
Methods for evaluating the prediction error in simulation models. David Walters in 100 Natural Resources at 3:00 p.m.
Plant Pathology Seminar
Do we understand somaclonal variation? Ron Phillips in 365 Borlaug Hall at 3:00 p.m.
Soil Science Seminar
Bean production in the Ecuadorian Andes. Kathy Draeger in 375 Borlaug Hall at 3:00 p.m.
- Tues.,
March 10 Plant Bio. Sci. Colloquium
Membrane fluidity and somatic embryogenesis. Kathryn Wilson in 335 Borlaug Hall at 4:00 p.m.
- Wed.,
March 11 Agronomy Seminar
Assessing alternative perennial systems for temperate zone agriculture. Mike Davis in 306 Borlaug Hall at 4:00 p.m.
- Thurs.,
March 12 Ecology Seminar
Biogeography of South American mammals. Michael Mares in 313 Zoology at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Technical Specialist, Agriculture. Jim Lukens, ATTRA, Fayetteville, AR.
- Associate Professional Officer (APO), Agronomist/Agricultural Engineer, Quito, Ecuador. Dennis Brydges, Washington, D.C.
- Agronomy (field crops) Farm Advisor. University of California, Riverside, CA.
- 4-H Youth Development Advisor. University of California, Riverside, CA.
- Farm Advisor -- Vegetable Crops. University of California, Riverside, CA.
- Full-time non-faculty example position. South Dakota State University, Brookings, SD.
- Agricultural Agent in Waukesha County. University of Wisconsin, Madison, WI.
- Cooperative Extension Educators. Cornell University, Ithaca, NY.
- Dean for Outreach. Jeff Jacobsen, Montana State University, Bozeman, MT.



AGRONOMY GLEANINGS

March 13, 1992

Department of Agronomy and Plant Genetics University of Minnesota, St. Paul, MN 55108-6026

CONFERENCE

Plan to attend a conference on "Managing a Scientific Career: A Conference for Men and Women in Science". It will be held Friday, April 3 from 3:00-8:30 p.m. and Saturday, April 4 from 8:30-12 noon at the St. Paul Student Center. Assistance with child care will be provided. Registration fee is \$4.00 for students, \$8.00 for faculty and staff. The program on Friday will consist of invited speakers, dinner and small group discussions. Saturday morning will be devoted to a series of workshops on topics ranging from "Landing a Job" to "Balancing a Career and Personal Life".

CIVIL SERVICE AWARD

The Seventh Annual Civil Service Award ceremony will be held Tuesday, March 17 at 9:30 a.m. in 306 Borlaug Hall. Cake, coffee, and punch will be served. Mark your calendar to attend. Everyone is invited.

CIVIL SERVICE EMPLOYEES

Nomination ballots were placed in your mailboxes on Wednesday for the Civil Service Liaison Committee. Make sure that you turn in your ballot by Wednesday, March 18. If you did not receive a ballot, contact Mike McClellan.

SHELVING

Someone spoke to Judy Slyter about shelving in one of the Grad Rooms. Please see her, she lost her notes on the request.

FIRST REPORT OF INJURY

Supervisors are responsible for completing a First Report of Injury form 92131 when an employee reports a work-related injury or illness. State Department of Employee Relations will begin returning all incomplete, inaccurate, and illegible reports to departments and assessing late fines. For assistance with First Reports, call 624-1892, 624-6850 or 624-4146.

FACULTY ASSEMBLY

Winter Quarter Faculty Assembly will be held on Wednesday, March 18 in 274 McNeal Hall from 10:00 a.m. to 12 noon.

GREETINGS

Deon Stuthman conveys greetings from John Rose, Rob Bertram, Juan Gerbauer and Teresa Gruber. They all send their greetings to their friends in Agronomy.

KELLEY FARM HEIRLOOM SEED EXCHANGE

The Minnesota Historical Society's Oliver H. Kelley Farm will present its Eleventh Annual Seed Exchange on Sunday, March 22 from 2:00 p.m. to 4:00 p.m. The Kelley Farm is located 2.5 miles SE of Elk River on US Hwy. 10. Contact: Jim Mattson at 612-441-6896 for more information.

INTERNATIONAL TRAVEL STUDY PROGRAM

Michigan State University will conduct its Third Annual "Food and Agricultural Systems in Poland" summer program June 15-July 14, 1992. Contact: Office of Overseas Study at MSU at 517-353-8920 for more information.

RESEARCH PROJECT SEMINAR

Ervin Oelke - Wild rice production and physiology. Raymie Porter - Wild rice breeding and genetics (not an official review seminar). Tuesday, March 17 in 306 Borlaug Hall from 12 noon to 1:30 p.m.

Jeff Gunsolus - Weed management strategies for corn and soybean production systems. John Gronwald - Herbicide mode of action. Thursday, March 19 in 306 Borlaug Hall from 12 noon to 1:30 p.m.

SEMINARS

Mon.,
March 16 Weed Science Discussion
Optimization and competition dynamics. Leader: Klaus Peuttman, Visiting Scientist. Meet in 408 Agronomy at 12 noon.

Plant Molecular Genetics
Identification of homoeologous oat chromosomes. Rick Jellen in 306 Borlaug Hall at 12 noon.

Tues.,
March 17 BPTI Seminar
Cloning and expression of immunoglobulin cDNAs: Antibodies from Bacteriophage. Jay Zeller in 239 Gortner Labs at 4:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant/Associate Professor in vegetable crops. Catherine G. Cavaletto, Department of Horticulture, University of Hawaii, Honolulu, Hawaii.

-Visiting Research/Extension Specialist in Agriculture. David Chicoine, University of Illinois at Urbana-Champaign, Urbana, IL.

-Agricultural Agent, Jackson County, University of Wisconsin, Madison, WI.

-Agriculture Agent, Langlade County, University of Wisconsin, Madison, WI.

-Research Assistant. N.R. Riveland, NDSU Williston Research Center, Williston, ND.

-Senior or Principal Research Specialist in Agriculture, Department of Agronomy. Dr. G.H. Heichel, University of Illinois, Urbana, IL.

-Research Assistant in cropping systems. Jim Sims, Department of Plant and Soil Science, Montana State University, Bozeman, MT 59717.

-Production research agronomist. Marlin Bergman, Pioneer HI-Bred International,

Inc., Johnston, IA.

-Associate Director Position. J.C. van Es, University of Illinois at Urbana-Champaign, Urbana, IL.

-Postdoc--Soil Microbiologist/Soil Ecologist. Gerald Carlson, Western Illinois University, Macomb, IL.

-Range Livestock Nutritionist. Randall Wiedmeier, Department of Animal, Dairy and Veterinary Sciences, Utah State University, Logan, UT.



AGRONOMY GLEANINGS

March 20, 1992



Department of Agronomy and Plant Genetics University of Minnesota, St. Paul, MN 55108-6026

CONGRATULATIONS

Eric Ristau was awarded the 1992 Civil Service Award. You have done an outstanding job in the department. Congratulations.

Longevity awards were awarded to Becky Petro (5 years), Mark Matteson (5 years), and Keith Henjum (15 years). Congratulations.

CONFERENCE

Plan to attend a conference on "Managing a Scientific Career: A Conference for Men and Women in Science". It will be held Friday, April 3 from 3:00-8:30 p.m. and Saturday, April 4 from 8:30-12 noon at the St. Paul Student Center. Assistance with child care will be provided. Registration fee is \$4.00 for students, \$8.00 for faculty and staff. The program on Friday will consist of invited speakers, dinner and small group discussions. Saturday morning will be devoted to a series of workshops on topics ranging from "Landing a Job" to "Balancing a Career and Personal Life". The Department will pay the registration for students. There is a sign-up sheet in 411 Borlaug Hall. Deadline is March 31 to register.

RETIREMENT

Dr. Wallace Nelson has announced his retirement effective July 1, 1992. Wally has been employed by the University for more than 40 years. He has been Superintendent at the Southwest Experiment Station at Lamberton since the Station was opened 33 years ago. Wally is truly a giant within Minnesota agriculture. Dean Jones is appointing a search committee for a new Superintendent.

SPECIAL SEMINAR

Value and Use of Corn Hybrid Performance Testing by Land Grant Universities. Dr. Paul Carter, Extension Agronomist, University of Wisconsin. Monday, March 23, at 10:00 a.m. in 306 Borlaug Hall.

TAX WORKSHOP

For nonresidents of the U.S. at the U will be March 24, 2:00 p.m., 45 Nicholson Hall. All nonresidents who earned income in the U.S. in 1991 (other than interest from bank accounts) must file tax Form 1040NR by April 15. Federal and state tax representatives will answer questions and provide forms.

MSI COMPUTER RESOURCE GRANTS

The Minnesota Supercomputer Institute provides research grants for computer time on the supercomputers of the Minnesota Supercomputer Center. These grants are awarded on the basis of competitive review. The grants are awarded on a six-month basis. The deadline for July 1, 1992 is April 15. The next deadline after that is October 15, 1992 for the January 1-June 30, 1993 period. Please see Jeanne Davy for more information.

AGRONOMY FISHING TRIP

Annual Agronomy Department fishing and outdoor leisure trip will be held June 19-21, 1992. We will return to the sandy shores of Leech Lake this year. Good ol' Cedar Springs Lodge will host our summer ritual once again. Please consider joining in on a weekend with department faculty, staff, and students in a relaxed setting --- AND a chance to win a prize in the northern/musky, walleye, bass, panfish, or my favorite, the miscellaneous category. The beautiful traveling trophy created by Sue Miller four years ago, will be awarded to the luckiest fisherperson. See it displayed in the Agronomy Office. Please drop a note to Eric Ristau to let him know that you are interested. Eight cabins have been reserved and there is plenty of space for camping. I'll send out more detailed information to those responding by April 3.

WOMEN IN AG. SCIENCE

Meet with Laurie Hayes on Wednesday, March 25 at 12 noon in 491 Borlaug Hall.

RUSSIAN BUSINESS WATCH

National Broadcast Satellite Corporation is pleased to announce the first regularly scheduled television program devoted to business developments throughout the former Soviet Union. This one hour bi-weekly program is available in the Commonwealth of Independent States, and North America, via Direct Broadcast Satellite. For more information contact Michael Dulligan or Joshua Goldberg at 800-877-3857.

ORTTA'S RESEARCH REVIEW

The March 1992 issue contains a description of the University's patent and technology transfer policy and the procedure for initiating the technology transfer process. Please note that the process could start even before a grant proposal is submitted. Delay in patent application could mean loss of patent protection.

WATERING

Pam Altermatt will be gone from March 23 to March 27, 1992. Projects will have to do their own watering.

HOUSING

Couple is looking for a summer sublet or house sitting arrangement from May - August, 1992. Please call 659-0523 and leave message.

H.K. HAYES AWARD

Memorial Lecture and Award Ceremony will be held on Monday, April 13, 1992 at 7:30 p.m. in the Earle Brown Center.

UNDERGRADUATE BANQUET

Mark your calendars for Tuesday, April 21, 1992 for the Undergraduate Banquet. More information will be coming soon.

LIAISON COMMITTEE

The new 1992-94 Liaison Committee members are Lynne Medgaarden and Doug Miller.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Two tenure-track positions at the Assistant Professor level in the areas of Plant Physiology and Plant Molecular Biology. B.A. McKeown, Department of Biological Sciences, Burnaby, B.C., Canada.
- Regional Integrated Pest Management Advisor - Vegetation Management. Mary-Louise Peters, University of California, Parlier, CA.
- Assistant Professor - Soil Chemistry and Mineralogy. Eugene J. Kamprath, North Carolina State University, Raleigh, NC.
- Extension Associate, Integrated Pest Management. Gene Sullivan, Department of Crop Science, Raleigh, NC.
- Postdoc - Plant Molecular Genetics. Sally Mackenzie, Department of Agronomy, Purdue University, West Lafayette, IN.
- Research Associate in Plant Molecular Physiology. University of Idaho, Moscow, ID.
- Associate or Full Professor. William W. McFee, Department of Agronomy, Purdue University, West Lafayette, IN.
- Turfgrass Extension Specialist. William W. McFee, Department of Agronomy, Purdue University, West Lafayette, IN.

AGRONOMY GLEANINGS

March 27, 1992

Department of Agronomy and Plant Genetics,
University of Minnesota, St. Paul, MN 55108-6026

CONGRATULATIONS

Mel Stanford has been appointed to the Board of Directors of ECCH Babson Ltd, the U.S. subsidiary of the European Case Clearing House. The parent organization is an association of about 300 academic and commercial organizations world-wide, devoted to the development and exchange of management case materials. ECCH is located in Bedford, England, and the U.S. subsidiary is in Wellesley, MA. Congratulations!

CONGRATULATIONS

Don Barnes has received The 1992 Alfalfa Research Award for his excellence in alfalfa research. The award will be presented by the Certified Alfalfa Seed Council on March 6, 1992 at Roanoke, VA. Congratulations!

CONGRATULATIONS

Congratulations to Mbassa Ndioro who just passed his Masters Final Exam!

SPECIAL SEMINAR

Dr. Ludwik Spriss from the Agricultural University in Krakow, Poland will be giving a special seminar titled 'Breeding Triticale in Poland.' It will be on Monday, March 30th at 10:00am in room 306 Borlaug Hall.

A WORD OF THANKS

I have accepted a position offer from Rhone-Poulenc Ag Co. Hence, I wanted to take this opportunity of say 'thank you' to the many people who made my post-doc such an enjoyable experience. My sincere appreciation to those who offered equipment, technical advice and assistance when it was needed. Thanks so much. Best regards, Ron E. Hampton.

ANNUAL AGRONOMY DEPT. FISHING AND OUTDOOR LEISURE TRIP. JUNE 19-2

We will return to the sandy shores of Leech Lake this year. Good ol' Cedar Springs Lodge will host our summer ritual once again. Please consider joining in on a weekend of fun with a chance to win a prize in the northern/musky, walleye, bass, panfish, or the favorite miscellaneous category. The beautiful travelling trophy created by Sue Miller 4 years ago, will be awarded to the luckiest fisherperson. See it displayed in the Agronomy office. Please drop a note to Eric Ristau or otherwise let him know that you are interested. 8 cabins have been reserved and there is plenty of space for camping. More detailed info will be sent out to those responding by April 3.

DEPARTMENTAL CARS

The Departmental cars that have been in the Crop Service Building for the winter months have been moved outside for the summer. They will be in the lot on the west side of the Crop Research Building. Tom Warnke.

HMONG HANDWORK

The Southeast Asian Ministry will be selling a wide variety of Hmong handwork at Christ Lutheran Church on Friday, April 24, 10-6 & Saturday, April 25, 10-3. Christ Church is located at 105 W. University Ave., St. Paul. If you have any questions call 293-1261.

REQUEST FOR PROPOSALS

Information regarding Request for Proposals to the Sustainable Agriculture Research and Education Program is available from Jeanne Davy in room 411 BH.

GRAD CLUB MEETING

Hey Grad Students! The Spring Grad Club meeting will be held this Friday, April 3 at 3:30-4:30 in 306 Borlaug Hall. Hope to see you all there!

SEMINARS

Mon., Plant Breeding Seminar
March 30 Aluminum tolerance breeding.
Sidney Parentoni in 306 Borlaug
Hall at 4:00 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all positions
announcements can be found at the front
desk in 411 Borlaug Hall.

-Coordinator, Advising and Instructional
Services in College of Agricultural Sciences.
Michael J. Burke, Oregon State University,
Corvallis, OR.

-Director, Hawaii Institute of Tropical
Agriculture & Human Resources. University of
Hawaii at Manoa, HI.

-Faculty, Plant Nutrition/Crop Physiology.
Bruno C. Moser, Purdue University.

-Natural Resources Specialist, Botany and
Plant Sciences. University of California,
Riverside, CA.

-Plant Breeder - Sunflowers. Pioneer Hi-Bred
International, Inc., Johnston, IA.

-Research Assistant - Crop and Soil Science.
Dr. Sheldon L. Ladd, Oregon State University,
Corvallis, OR.

-Research Assistant- Cotton. University of
Arkansas, Fayetteville, AR.

-Postdoc - biochemistry, molecular biology,
and genetics of the ubiquitin-dependent
proteolytic pathway in plants. Dr. Richard D.
Vierstra, University of Wisconsin, Madison, WI.

-Natural Resources Specialist - Dept. of
Botany and Plant Sciences. Dr. R. T.
Leonard, University of CA.

-Research Technician - Cereal Rust Unit,
USDA, St. Paul, MN. Contact Jan Overton

AGRONOMY GLEANINGS

April 3, 1992

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026



NEW BABY

Congratulations to Shawn and Heidi Kaeppler on their new baby boy born on Thursday, March 26, 1992. Alexander Karl, 6 lbs. 10 oz. and 20 inches long. The family is doing fine.

GOPHER CROPS & SOILS CLUB

New officers for the Gopher Crops & Soils Club are:

President - Todd Frank
Vice-President - Dave Borgmeier
Recording Secretary - Mary Paulson
Corresponding Secretary - Ken Franzky
Treasurer - Neil Trygestad
Crops Kit Chair - Art Killam
Faculty Advisor - Steve Simmons
John Lamb (Soils)

WOMEN IN AGRICULTURE SCIENCES

Meet on Tuesday, April 7 at 12:00 noon in 491 Borlaug Hall. They will be planning activities for Spring Quarter and discussing the article in Science, March 13 issue, about the status of women in science. A copy of the article is on reserve in the Plant Pathology Library. All are welcome!

DONALD HARVEY HONORED

Donald Harvey will be honored at the St. Paul Campus School of Agriculture's Alumni Association's 102nd birthday celebration on Saturday, April 25. Don graduated with the class of 1917, so he will be celebrating the 75th anniversary of his graduation. Don was a field plot coordinator in our department for many years.

CORN SMUT IS NEW DELICACY

Corn smut, huitlacoche, is beginning to catch on as a gourmet food item. The fungus has been eaten as a delicacy for generations by a small number of people but is now increasing in popularity. According to the Los Angeles Times, El Aficionado, a Virginia mail order firm, sold 50 pounds of corn smut in 1989 and last year sold 3,000 pounds.

MISSING JOURNALS

We are missing some journals from the Agronomy Library. If you have them in your possession please return them to Lynne in 302 Agronomy as we would like to get them bound. Also, if you have any of these journals and would like to donate them to the library for binding we would really appreciate your generosity. We pay \$10 or more for each journal we replace.
Weed Science: Jan.-March and April-June, 1991.

Genome: Jan., March, May, July, September, November, 1991.

Weed Technology: Jan.-March, 1991

THANKS TERESA AND COLLEEN

Teresa Schoeder and Colleen Cichoski have updated the photo board of faculty, staff, postdocs, and visitors on the wall across from the main office, 411 Borlaug Hall. They have done an excellent job. Thank you to both for their fine work.

PLANT BREEDING TOUR

For those who are interested in the summer Plant Breeding tour to Wisconsin, the dates will be August 25-27, 1992. More details will follow. For now, the general structure of the tour will be similar to previous out-of-state tours.

NORTH CENTRAL BRANCH MEETING

Annual Meeting, North Central Branch, American Society of Agronomy will be held July 29-31, 1992, Champaign, IL. The meeting will be held in conjunction with the July 30 to August 1 conference on "Participatory On-Farm Research and Education for Agricultural Sustainability". Program and registration information will be available in mid-May. To assure receipt of ASA registration and program materials, contact Dr. Gary H. Helchel, Department of Agronomy, W-203 Turner Hall, 1102 South Goodwin Avenue, University of Illinois, Urbana, IL.

COMPUTERS

If anyone can use the two PCs or Diablo 630 printer that are presently in 411 Borlaug Hall, please let Jeanne Davy know.

SPECIAL SEMINARS

A Rwanda Travel Log: Investigations of Soils and Agriculture. John F. Moncrief, Friday, April 3 at 12:30 p.m. in 375 Borlaug Hall.

Mapping and Manipulation of the Tomato Genome. Steve Tanksley from Cornell University on Monday, April 6 from 3:30-4:30 p.m. in 110 Green Hall.

COPY CARD

A copy card has been found in the Agronomy Library with no name on it. Please see Lynne Medgaarden in 302 Agronomy Building if it is yours.

COMPUTER ROOM

The computer room combination will be changed on Monday, April 6, 1992.

SUPPLIES

Someone left a big box of supplies in the truck of a rental vehicle. It contains petri dishes, pipettes, and filter paper. Call Judy Slyter at 5-0276 if it is yours.

DAYLIGHT SAVINGS TIME

Saturday night is daylight savings time. Set your clocks ahead one hour.

SEMINARS

Mon., April 6 Soil Science Seminar
The role of microbial activities in the geochemical cycling of mercury in aquatic environments. Tamar Barkay in 375 Borlaug Hall at 3:00 p.m.

Tues. April 7 Plant Breeding Seminar
Problems associated with breeding for soybean cyst nematode resistance. Geoff Graham in 306 Borlaug Hall at 12:00 noon.

BPTI Seminar

Signal sequence mutants of the S. scabies esterase expressed in S. lividans. Valerie A. Hale in 239 Gortner Lab at 4:30 p.m.

Plant Biol. Sci. Colloquium

Alteration of β -tubulin gene expression during cold acclimation in Arabidopsis. Boyang Chu in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor Aquaculture/Aquatic Science. Director of Employee Relations, Morrisville, NY.

-Faculty appointment. Lynn Roy LaMotte, Department of Experimental Statistics, Louisiana State University, Baton Rouge, LO.

AGRONOMY GLEANINGS

April 10, 1992

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026



NEW BABY

Congratulations to Teresa Schoeder and Craig Sheaffer on their new baby boy born on Wednesday, April 8 at 7:18 p.m.. Mitchell Charles, 8 lbs. 15 oz. and 22 inches long.

AGRONOMY FISHING TRIP

One more reminder - there is still time to sign-up for the annual Agronomy Department fishing and outdoor leisure trip which will be held June 19-21, 1992. We will return to the sandy shores of Leech Lake this year. Good ol' Cedar Springs Lodge will host our summer ritual once again. Please consider joining in on a weekend with department faculty, staff, and students in a relaxed setting -- AND a chance to win a prize in the northern/musky, walleye, bass, panfish, or my favorite, the miscellaneous category. The beautiful traveling trophy created by Sue Miller four years ago, will be awarded to the luckiest fisherperson. See it displayed in the Agronomy Office, 411 Borlaug Hall. Please let Eric Ristau know if you would like to go.

THE "WHITE CASTLE" OF UNKNOWN ADDRESS

1666 Coffman is a condominium owned and operated by present and past UM civil service and academic employees who are at least 55 years old. The large, white apartment building is located on the south side of Larpenteur Avenue across from the UM Golf Course and 2021 Larpenteur Avenue; 1666 Coffman is a name not an address!

The 93 apartments of 1, 2, or 3 bedrooms are individually owned and, in total, add over \$9,300,000 to the real estate tax base of Falcon Heights. Although the building was constructed in 1986 on unused, swampy UM land, the University has never financed nor subsidized the enterprise and receives over \$39,000/year cash rent for use of the land. The small playground south of the building is a Falcon Heights public park.

In contrast to many condominiums, 1666 has always been financially sound, because all apartments were sold before or shortly after completion of the building. Apartments are usually sold by private real estate

companies. Currently available are three 1-bedroom apartments asking-price at \$63,000 to \$75,000 and one 3-bedroom, 2-floor unit at \$163,000.

Bob Robinson

SPRING CALENDAR 1992

All-University Forum on Diversity Spring Calendar 1992. Jeanne Davy has a copy of this calendar if you would like to look at it. All events are free and open to the public unless otherwise noted.

H.K. HAYES AWARD

Memorial Lecture and Award Ceremony will be held Monday, April 13, 1992 at 7:30 p.m. in 135 Earle Brown Center. Governor Arne Carlson will present the Hayes Lecture, "Agriculture and Government".

UNDERGRADUATE BANQUET

The Undergraduate Banquet will be held on Tuesday, April 21, 1992. It will be held at the Earle Brown Center with a reception at 5:30 p.m. and dinner at 6:30 p.m. Tickets can be purchased from Lynne in 302 Agronomy Building or Colleen in 411 Borlaug Hall.. Tickets are \$5.00 for students and \$10.00 for faculty.

REQUEST FOR PROPOSALS

National Economic Implications of Sustainable Agriculture. Deadline is May 7, 1992. Please see Jeanne Davy in 411 Borlaug Hall for more information.

BLOOD DRIVE

American Red Cross will be holding a blood drive on Wednesday, April 15, 1992 at the Northstar Ballroom.

HAMM SCHOLARSHIP

Congratulations to Daniel Anderson, Todd Vagts, and Dawn Wyse on winning the Hamm Scholarship for Undergraduate Students.

POSTDOC POTLUCK

Tuesday, April 14, 1992 at 12:00 noon in 548 Borlaug Hall. Sign-up sheet located in 502 Borlaug Hall.

FACULTY/GRADUATE STUDENT COLLOQUIUM

Announcing the line-up for the Spring Quarter Faculty/Graduate Student Colloquium! Mark your calendars for noon on the three following Wednesdays. Informality and audience participation are highly encouraged so bring your lunch and partake in two 30-minute presentations on the following topics:

April 22, BH 306, 12:00 noon:
"Effect of Recurrent Selection for Oat Grain Yield on Kernel Morphology" - David Dekoeyer.

"An Ideal Method of Small Grain Production" - Dr. Robert Robinson

April 29, Agronomy 408, 12:00 noon:
"Corn Interactions with Large Broadleaf Weeds" - Brett Bussler

"Gene Flow from Herbicide Resistant Weeds" - Dr. Bruce Maxwell

May 6, BH 306, 12:00 noon:
"Agriculture in Ghana" - Kingsley Ayisi

"Responsibility of Agricultural Professionals to Communicate the Messages of Agricultural Science" - Dr. Deon Stuthman

Two dates are still available for the Faculty/Graduate Student Colloquium, May 13 and 20. Have a topic you want to discuss? Want input on your proposal, research project or upcoming seminar? Want to work on overcoming stage fright? See Dave Robinson. This quarter we are especially encouraging talks on the international aspects of agriculture.

NOMINATIONS AND PROPOSALS

On Tuesday, May 12, 1992, the U of M Chapter of Sigma Xi will hold the annual banquet and awards ceremony at 6:00 p.m. in the Earle Brown Center. Nominations for Chapter Awards & Prizes:

- New Charles & Dorothy Andrew Bird Award
- Nominations for 1992 Chapter President-Elect

- New Member Nominations
 - Banquet Reservations
- Send completed forms to Nancy Ehlke by April 15, 1992.

SYMPOSIUM

The Bush Faculty Development Program announces a symposium on cultural diversity "Academic Diversity, Academic Excellence". May 21-22, 1992 at Coffman Memorial Union from 8:45 a.m. to 2:30 p.m. Call Roberta Cullen on or after April 13 at 625-1878 to register or for more information.

PH.D. THESIS DEFENSE

Early Generation Bulk Testing and Combining Ability Analysis for a Recurrent Selection Program in Oat. Hakima Bahri in 306 Borlaug Hall at 8:30 a.m. on Wednesday, April 15, 1992.

SEMINARS

- | | |
|---------------------|---|
| Monday
April 13 | <u>Plant Breeding Seminar</u>
Genetics erosion.
Jesus Marquez Ortiz in 306 Borlaug Hall at 4:00 p.m.
<u>Soil Science Seminar</u>
Spatial non-uniformity in chemical leaching under irrigation. David Mulla in 375 Borlaug Hall at 3:00 p.m. |
| Tuesday
April 14 | <u>Plant Biol. Sci. Colloquium</u>
Hydraulic architecture in woody plants. Zhangling Ren at 3:30 p.m. in 306 Borlaug Hall. |

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Extension Educator, Integrated Pest Management. William T. McNamara, University of Illinois, Urbana, IL.
- Assistant or Associate Horticulturist-Ornamental Crops. Catherine G. Cavaletto, Chair, Department of Horticulture, University of Hawaii, Honolulu, HI 96822.
- Research Assistant/Associate, Canola/Rapeseed - Breeding/Physiology. Dr. Gerry L. Posler, Head, Department of Agronomy, Kansas State University, Manhattan, KS.

AGRONOMY GLEANINGS

April 17, 1992

MIW
p. 26



Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

RETIREMENT LUNCHEON

The annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 12, 1992. The tickets are \$4.00 each and must be paid for when obtained. Tickets are available until 12:00 noon, Wednesday, May 6 from Nancy Pitzer, Room 42, St. Paul Student Center.

OUTSTANDING ACHIEVEMENT AWARD

The Regents of the University of Minnesota have voted to present the Outstanding Achievement Award to William Sibley Marvin, CEO, Marvin Lumber and Cedar Company (Marvin Windows), Warroad, MN.

Mr. Marvin is an alumnus of the class of 1939, and a major in our Department. He has been a frequent and generous contributor to the University of Minnesota, and the Department of Agronomy.

Tentative plans are to present Mr. Marvin with his award on June 7, 1992 at the College of Agriculture graduation.

PROPOSALS

The Minnesota Soybean Research and Promotion Council is soliciting research proposals for FY93. Proposals must be submitted no later than May 11, 1992. See Jeanne Davy for application forms.

WOMEN IN AGRICULTURE SCIENCES

Neil Bakkenist, Assistant Vice-President for Support Services and Operation, will meet with the Women in Agricultural Science group on Tuesday, April 21, 1992 at 12:00 noon in 491 Borlaug Hall. They will be discussing ideas for day care on the St. Paul Campus as well as other support service issues. They will have a sandwich potluck (bring something to go on or with a sandwich) or bring your own lunch. All interested men and women are encouraged to attend and bring your creative ideas!

ORTTA

ORTTA will begin reviewing POT documents over \$500.00, April 1, 1992. Phone in orders over \$500.00 should not be placed until the POT has been returned with ORTTA approval.

Judy and Marilyn

GRADUATE STUDENTS

All graduate students in the Department are encouraged to attend a meeting on Tuesday, April 21, 1992 at 12:00 noon in 306 Borlaug Hall to discuss issues and questions concerning the Department of Agronomy and Plant Genetics as it relates to graduate student education. We will discuss these things in order to prepare for the upcoming CSRS review committee meeting (April 28).

UCIP

The University Course Information Project (UCIP) faculty questionnaires for courses taught Fall quarter 1992 were distributed on Monday, April 13, 1992. Please fill out the questionnaire and return it by April 27. If you have any questions or didn't get a questionnaire, please call Michael Handberg or Peter Lacznik at 625-9992.

COPYRIGHT

The University of Minnesota now has their own office to assist you with obtaining copyright permissions and for handling any other copyright concerns you may have. Please call Jill Bratton at 626-9821 if you have any questions.

UNDERGRADUATE BANQUET

The Undergraduate Banquet will be held on Tuesday, April 21, 1992. It will be held at the Earle Brown Center with a reception at 5:30 p.m. and dinner at 6:30 p.m. Tickets can be purchased from Lynne in 302 Agronomy Building or Colleen in 411 Borlaug Hall. Tickets are \$5.00 for students and \$10.00 for faculty. Tickets must be purchased by Friday, April 17.

SEMINARS

- Monday** Soil Science Seminar
April 20 What's going on with
MSEA? John Lamb in 375
Borlaug Hall at 3:00 p.m.
Plant Molecular Genetics
Insertional mutagenesis by
DNA transformation in
chlamydomonas. Lai-wa Tam
in 306 Borlaug Hall at 12:00
noon.
- Tuesday** Plant Biol. Sci. Colloquium
April 21 Root nodule structure and
nitrogen fixation: current
perspectives. David Robinson
in 306 Borlaug Hall at 3:30
p.m.
BPTI Seminar
Analysis of rate limiting
reactions in cephalosporin
biosynthesis. Li-Hong
Malmberg in 239 Gortner Labs
at 4:30 p.m.
- Wednesday** Faculty/Graduate Student
April 22 Colloquium
12:00 noon in 306 Borlaug Hall
- Effect of recurrent selection for
oat grain yield on kernel
morphology. David Dekoeyer
- An ideal method of small grain
production. Robert Robinson

delle Terme di Caracalla, Rome, Italy.
-Extension Assistant. LuAnn Mace,
Department of Agronomy, Lincoln, NE.
-Viticulture/Pomology Farm Advisor.
Cooperative Extension, University of
California, Riverside, CA.
-Part-time summer employment (one
position). Kevin J. Connors, USDA
Biological Control, Minneapolis, MN.



POSITION ANNOUNCEMENTS

- Complete copies of all position
announcements can be found at the
front desk in 411 Borlaug Hall.**
- Crops and soils agent in Outagamie
County. University of Wisconsin-Extension,
Madison, WI.
 - Southeast District Director. David Hinds,
University of Wisconsin-Extension,
Madison, WI.
 - Technical Office (Soil Fertility and Plant
Nutrition). Personnel Division, FAO, Via



MW
9/28/86

AGRONOMY GLEANINGS

April 24, 1992

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026



THANK YOU

Thank you for the beautiful pink cyclamen plant that we received when our little boy Mitchell was born. It is still blooming and looks like it will continue to for some time. Mitchell has been a great addition to our lives, and has proven very effective in changing his parents former work schedules (he really enjoy's the early a.m. hours)! Thanks again for the lovely cyclamen! Teresa, Craig and Mitchell.

WELCOME

Please welcome Sara Hartman to the Agronomy Department. She will be working with Kent Crookston and Don Wyse.

SPRING GARDEN SALE

The U of M Horticulture Club will have their Spring Garden Sale, May 21-23, 1992 from 9:00 a.m. to 5:00 p.m. at the St. Paul Student Center. Plants available for sale will include annuals, unique perennials, wildflowers, lilacs, vegetables, blueberry plants, shade loving plants, ornamental grasses, herbs, and hanging baskets.

BICYCLE AND CAMPING GEAR SWAP

Buy or sell camping gear or bicycles. Bring in any equipment you wish to swap on Monday and Tuesday, May 4-5, 1992 from 9:00 a.m. to 8:00 p.m. Sale days will be Wednesday through Friday, May 6-8, 1992 from 9:00 a.m. to 8:00 p.m.

SPRING QUARTER FACULTY ASSEMBLY

Dean Richard Jones has announced the Spring Quarter Faculty Assembly to be held in the Theatre of the Student Center on Wednesday, June 10, 1992 from 10:30 a.m. to 12:00 noon. There will be a continental breakfast from 9:30 to 10:00 a.m. Please submit agenda items to the COA, 277 Coffey Hall (624-4248) by Wednesday, May 20, 1992. COA Faculty Assembly meetings are open to all faculty, academic staff, civil service personnel and students in the College.

WOMEN IN AGRICULTURE

The next meeting is on May 5, 1992 at 12:00 noon in 491 Borlaug Hall. We will meet with the undergraduate women in the science group. They are interested in what options exist for women in science and would like to meet some women in the field. Bring your brown bag lunch.

Women in Agriculture is a new group formed to represent civil service, faculty, and grad students who are women and who have an issue or issues that they need help dealing with. If you have an issue you need to discuss, or if you wish to have more information about this group, please call Deborah Allan (625-5138) or Linda Kinkel (625-8200).

STATE FAIR 4-H

If any faculty wishes to share their time and talents, you may contact Juanita J. Reed-Boniface, State 4-H Office at 20 Coffey Hall.

CSRS REVIEW

Civil Service and USDA Support Personnel are scheduled to meet with the CSRS Review Team on Tuesday, April 28, 1992 from 3:00 to 4:15 p.m. in 306 Borlaug Hall (3:00-3:30 p.m. coffee, 3:30-4:15 p.m. discussion and questions). Please plan to come.

EMPLOYEE BENEFITS COUNSELOR

An employee benefits counselor is now available to meet with employees having questions on their health insurance or retirement. The service is available to staff and faculty on Tuesdays in the St. Paul Area Personnel Office, 119 COB. To schedule an appointment call 4-9090.

CLEANUP

Please cleanup your laboratories, greenhouses, and public spaces for the CSRS review. Particularly on Wednesday afternoon because the CSRS review team will be taking a tour of these areas. Thank you.

ASSOCIATE DEAN POSITION CANDIDATES

Dr. Michael V. Martin, Professor, Department of Agricultural and Resource Economics, Oregon State University - April 29-30, 1992.

Dr. David Zartman, Professor and Chair, Department of Dairy Science, Ohio State University (May 3-4, 1992 or May 11-12, 1992).

James P. Houck is Chair of the Search Committee for Associate Dean for Research and Assistant Experiment Station Director.

CONGRATULATIONS

Congratulations to Jean Swanson who has been reclassified to Word Processing Specialist.

FARM EQUIPMENT SAFETY SEMINAR

John Shutzke, Assistant Professor in AgEng is going to give a farm equipment safety seminar on Tuesday, April 28, 1992 at 2:00 p.m. in 125 Meat Science. This seminar will fill the MERTKA Safety Requirements. All Departmental Staff and Students who will be operating equipment in the fields this year are encouraged to attend. Call Tom Warnke if you have any questions (625-3153).

CARLSON LECTURE

Terry Waite (Former Middle East Hostage) will discuss his role in negotiating the freedom of hostages and the radical group Islamic Holy War. Waite will also discuss his personal ordeal as a hostage and recovery to good health, his Mid-East captors, and his mission for the future. This Carlson lecture will be on Wednesday, May 20, 1992, at 12:15 p.m. in Northrup Auditorium. This lecture is open and free to the public. Tickets are required for admission.

LOST UMBRELLA

If anyone took a black umbrella which was hanging on the table in the xerox room, please return it to the front desk of 411 Borlaug Hall. Thank you.

SEMINARS

- Monday
April 27 Soil Science Seminar
Bean production in the Ecuadorian Andes. Kathy Draeger in 375 Borlaug Hall at 3:00 p.m.
- Tuesday
April 28 Plant Biological Science Colloquium
Alteration of gene expression associated with abscisic acid-induced chilling tolerance in maize suspension cultures. Zhanguo Xin in 415 Alderman Hall at 3:30 p.m.
- Wednesday
April 29 Faculty/Graduate Student Colloquium
12:00 noon to 1:00 p.m. in 408 Agronomy Building
- Corn interactions with large broadleaf weeds. Brett Bussler
- Gene flow from herbicide resistant weeds. Bruce Maxwell

Mark your calendar for this addition to the Faculty/Graduate Student Colloquium Schedule:

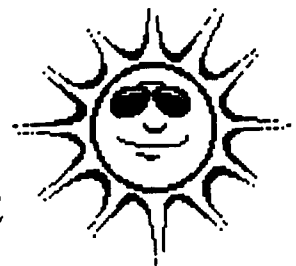
Wednesday, May 13, BH 306

"Agriculture in Uruguay" - Lawrence Smith

"International Sorghum/Millet Improvement From Yemen to Yuma" - Dave Robinson

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.**
- Cooperative Extension Natural Resources Advisor. Sydni Gillette, University of California, Davis, CA.
 - Farm Advisor Livestock/Natural Resources. Sydni Gillette, University of California, Davis, CA.
 - Head Librarian, Water Resources Center Archives. Margaret I. Leong, University of California, Oakland, CA.
 - Graduate Assistantships. Matt A. Sanderson, Texas A&M University, Stephenville, TX.
 - Product Development Agronomist. Fred J. Ruedy, CIBA-GEIGY Seed Division, Greensboro, NC.
 - Research Associate-Potato Variety Development. Search Committee, University of Idaho, Moscow, ID.
 - Assistant Professor - Department of Soil Science. Eugene J. Kamprath, North Carolina State University, Raleigh, NC.
 - Postdoc/Research Associate. N.J. Alexander and T.M. Kuo, USDA-ARS-NCAUR, Peoria, IL.



AGRONOMY GLEANINGS

May 1, 1992

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

THANK YOU

Faculty & Postdocs: Thank you for the wonderful luncheon and flowers for National Secretary's Day.

Marilyn Pat
Vicky Jean Sara H.
Judy Lea Ann
Abby Jeanne Becky
Prof. Anderson - was great!

CONGRATULATIONS

Ronald L. Phillips attended the Presentation Citation Ceremony of the National Academy of Sciences on April 27, 1992 in Washington, D.C. "Phillips coupled the techniques of classical cytogenetics with research advances in tissue culture and molecular biology to enhance our understanding of the basic biology of cereal crops and to improve these species by innovative methods".

ART EXHIBIT

Paul Whitney Larson Gallery (St. Paul Student Center) will be presenting "Artists of the Circle" from May 3 to June 5, 1992. This Native American art collection portrays the rituals and powerful beliefs that become the inspiration for these visionary works. All of the artists have exhibited extensively locally and across the United States establishing national reputations. You are cordially invited to attend a reception on May 3, 1992 from 1:30 to 4:00 p.m.

DEMOGRAPHIC INFORMATION UPDATE

Within the next two weeks, all faculty and staff in the department will receive a Staff Demographic Information Update Form. These forms are sent out once a year to update the staff portion of the Student/Staff Directory. Please return these forms to Jeanne Davy. We will then be able to update the departmental mailing list as well.

FORD MEMORIAL LECTURE

The annual Guy Stanton Ford Memorial Lecture will be presented by John R. Searle, noted Berkeley philosopher, on Thursday, May 7, 1992 at 3:30 p.m. in Scott Hall Auditorium. Professor Searle's lecture, "The Continuing Storm Over the University," is free and open to the public.

ALL UNIVERSITY DIVERSITY FORUM II

A report to the University community about activities undertaken in the last year to improve diversity and pluralism at the University of Minnesota. It will be held at the Earle Brown Center on Wednesday, May 27 from 2:30-4:30 p.m. For more information contact Josie Johnson at 625-6621

CONFERENCE

Potash & Phosphate Institute and Foundation for Agronomic Research are organizing a conference entitled "Roots of Plant Nutrition" to be held July 8-10, 1992 in Champaign, IL. The conference will address the physical, biological, chemical, and environmental systems relating to root growth and plant nutrition. Registration materials are available from - Potash & Phosphate Institute, 2805 Claffin Road, Suite 200, Manhattan, KS 66502. Registration deadline is June 30, 1992.

SEMINARS

Monday
May 4 Soil Science Seminar
Attempts to elucidate ecotypic structure among native populations of a bacterial species in soil ecosystems. Peter Bottomley in 375 Borlaug Hall at 3:00 p.m.

SEMINARS

Tuesday
May 5 Plant Biological Science
Colloquium
Molecular cloning of abscisic acid-regulated genes associated with the induction of freezing tolerance in potato. Baolong Zhu in 306 Borlaug Hall at 3:30 p.m.

BPTI Seminar
Development of a promoter probe for Lactococcus lactis. Eric Johnson in 239 Gortner Labs at 4:30 p.m.

Wednesday
May 6 Faculty/Graduate Student
Colloquium
12:00 noon to 1:00 p.m. in 306 Borlaug Hall

Agriculture in Ghana.
Kingsley Ayisi

Responsibility of agricultural professionals to communicate the messages of agricultural science. Deon Stuthman

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Biochemist/Biophysicist. David D. Thomas, Chair, Department of Biochemistry, University of Minnesota, Minneapolis, MN.
- Research Associate-Soybean Genetics. Nancy Wiig, Pioneer Hi-Bred International, Inc., Johnston, Iowa.
- Cooperative Extension Educators. Cornell Cooperative Extension, Cornell University, Ithaca, NY.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 8, 1992

STEAK FRY

Gopher Crops & Soils Club Steak Fry will be held at Central Park Lions Shelter in Roseville on Wednesday, May 27, 1992 at 5:30 p.m. Tickets can be purchased from Lynne Medgaarden in 302 Agronomy Building or club members. Tickets are \$4.00/faculty/staff, \$1.00/students and children are free.

FLUORESCENT LAMPS

Burnt out fluorescent lamps should no longer be discarded with the regular trash. Place them in the original carton and return them to the receiving dock. Tim Norton will pick them up the first Wednesday of every month.

RESEARCH GRANTS

The Department of Agriculture CSRS is soliciting applications for Biotechnology Risk Assessment Research Grants. The deadline is June 1, 1992. See Jeanne Davy for further information.

FALL QUARTER LEAVE

Steve Simmons will be taking a quarter leave in the fall of 1992. He will be developing a new course for Liberal Arts on "Environment of World Food Production." He will be

traveling to Australia.

CONGRATULATIONS

We are happy to report that the following individuals have passed their written prelim exams:

Plant Breeding:

Tabare Abadie
Martin Fabrizius
Rick Harrison (Plant Breeding Student in Horticulture)

Todd Krone

Bob Murzyn

Steve Plehn

Agronomy

Kingsley Ayisi

Brett Bussler

Sister Esther Nickel

CLASS SCHEDULES

Fall Quarter class schedules are available from Lynne Medgaarden in 302 Agronomy Building.

PH.D. FINAL DEFENSE

Methylation Variation Induced by Maize Tissue Culture. Shawn Kaeppler in 306 Borlaug Hall at 1:00 p.m. on Thursday, May 15, 1992.

COMPUTER FOR SALE

An IBM 386 SX computer is for sale. It is a departmental computer and must remain in the University systems. It has a 60 megabyte hard drive, 2 megabyte ram. The cost is \$1,300. For questions about this computer, please call Steve Plehn, Bob Murzyn, Kendell Hellewell or

Rob DeHaan.

RETIREMENT DEDUCTIONS

A 1992 law change reduced your retirement deduction effective in May. The State's employer contribution to the General Employee retirement plan was also lowered. Since retirement deductions are tax sheltered, the reduction in retirement deductions will not be reflected dollar for dollar in your take home pay.

	Employee Deduction	Employer Contribution
Old Rates	4.15%	4.29%
New Rates	3.99%	4.12%

An early retirement insurance window was again passed for state executive branch employees. The provisions are similar to last year; paid insurance until age 65 if you are at least age 55 with 25 or more years of state service and retire between July 1 and September 30, 1992. The Department of Employee Relations will supply more information on this insurance window.

OUTSTANDING ACHIEVEMENT AWARD

William S. Marvin will receive the Outstanding Achievement Award at the College of Agriculture Graduation Ceremony at 3:00 p.m. on June 7, 1992 in Northrup Auditorium. Weather permitting, there will be a general reception in front of the Auditorium after the graduation exercises.

FIRST MES TOTAL QUALITY MANAGEMENT TEAM APPOINTED

As part of the University of Minnesota Quality Improvement Initiative, David Nelson, EDS assistant director, has appointed the first Total Quality Management Team in MES. He has asked the team to study the "Current EDS publication procedures to identify individual processes that might be streamlined and/or eliminated and decision points that impact on timeliness, quality and cost". The study will begin where publications have been approved by the program areas and assigned to EDS and end where these products enter the distribution process. The team members are: Gene Anderson, Carol Scipioni, David McAllister, Larry Etkin, Phyllis Petersen, Nancy Dallman, Deb Thayer, and Lee Hardman. They have identified authors and program leaders as the primary customers of the publications process. They will be interviewing a portion of those people over the next several weeks for information needed to better understand the system's procedures, problems and strong points. The goal of the Total Quality Management process is to identify inefficiencies and redundancies and makes changes to eliminate them and to make the change directly themselves.

WOMEN IN AGRICULTURE

The next meeting will be on Tuesday, May 12 at 12:00 noon in 491 Borlaug Hall. We will follow-up on our discussion with Neil Bakkenist concerning day care accessibility for the St. Paul Campus.

SEMINARS

Monday Soil Science Seminar

May 11 Biodynamic farming.
Gavin Patterson

Conservation tillage for wind erosion control on vegetable crops in Central Wisconsin. Randall Kolka in 375 Borlaug Hall at 3:00 p.m.

Tuesday Plant Biol. Sci. Colloquium

May 12 Purification and characterization of acetyl-CoA carboxylase from diclofop-susceptible and resistant Lolium.
Kim Evenson in 306 Borlaug Hall at 3:30 p.m.

Wednesday Faculty/Graduate

May 13 Student Colloquium
12:00 noon to 1:00 p.m.
in 306 Borlaug Hall

Agriculture in Uruguay.
Lawrence Smith

International Sorghum/Millet Improvement From Yemen to Yuma. Dave Robinson

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Executive Vice President, available 1 July 1992. Council for Agricultural Science and Technology (CAST) office in Ames, Iowa. Gale A. Buchanan, CAST President, Ames, IA.

-Research Assistant in Weed

Ecology. Bruce Maxwell, Montana State University, Bozeman, MT.

-Graduate Research Assistant. Tom E. Schumacher, Department of Plant Science, South Dakota State University, Brookings, SD.

-Area Extension Agent in San Luis Valley Area, Center, CO. Milan A. Rewerts, Colorado State University, Fort Collins, CO.

-Head, Department of Horticulture. Edward P. Dunigan, Chairman, Louisiana State University, Baton Rouge, LA.

-Research Associate in Wheat Breeding. Search Committee, Department of Plant, Soil and Entomological Sciences, University of Idaho, Moscow, ID.

-Research Assistant, Arlington, Wisconsin. Patrick Willet, CIBA-GEIGY Seed Division, Greensboro, NC.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 15, 1992

CONGRATULATIONS

Dr. Vernon Cardwell has been chosen to receive the Gordon L. Starr Award for his outstanding service to students during the past year. Congratulations!

STEAK FRY

Gopher Crops & Soils Club Steak Fry will be held at Jaycee Pavilion off Lexington Avenue in Roseville on Wednesday, May 27, 1992 at 5:30 p.m. Tickets can be purchased from Lynne Medgaarden in 302 Agronomy Building or club members. Tickets should be purchased by Friday, May 22. Tickets are \$4.00/faculty/staff, \$1.00/students and children are free.

FAREWELL COFFEE

There will be a farewell coffee for Heidi and Shawn Kaeppler on Monday, May 18, 1992 at 9:30 a.m. in 306 Borlaug Hall.

JUDY THIES

Has accepted a position in the USDA Agricultural Research Service as a Research Plant Pathologist/Nematologist at the U.S. Vegetable Research Laboratory in Charleston, South Carolina. Judy will be responsible for research on host resistance to plant parasitic nematodes that attack vegetable crops. She will start her new position on June 29, 1992.

TAKUMI TSUCHIYA

Takumi Tsuchiya, 69, of Fort Collins, CO died Friday, May 1, 1992 at home. Tsuchiya came to Colorado State University in 1968 from Japan to conduct barley genetics research and to oversee the World Barley Genetic Stock Center. Memorial contributions may be made to the CSU Foundation, Faculty Memorial Award, Department of Agronomy, Warren-Bohlender Funeral Chapel.

1992-93 DIVERSITY GRANTS PROGRAM

The Bush Faculty Development Program on Excellence and Diversity in Teaching announces a call for proposals of up to \$3,000 each which focus on issues of cultural diversity in curriculum and instruction, especially those stimulating change at the departmental level. Deadline for applications proposing projects to be implemented Fall, 1992: June 3, 1992. Deadline for applications proposing projects to be implemented during Winter/Spring, 1993: October 16, 1992. Interested faculty may wish to attend sessions of a Bush Faculty Development Program Symposium on Cultural Diversity, scheduled for May 21-22, 1992 in Coffman Union. For more information contact Linda Blake, Academic Personnel, 411 Morrill Hall, 626-7730.

GRADUATION CEREMONY

College of Agriculture graduation ceremony will be held on June 7, 1992 at 3:00 p.m. at Northrup Auditorium on the Minneapolis Campus.

FACULTY AND STAFF

The Summer Field Day this year at the Southwest Experiment Station is on Wednesday, June 24, 1992. The late afternoon and evening before the Field Day, June 23, will be a get-together to honor Wally Nelson on his retirement. There will a social hour at about 4:30 or 5:00 p.m. followed by a steak fry and then a short program. Each person will be responsible for the cost of their own meal. Come and bring your humorous stories to tell about Wally.

PH.D. FINAL SEMINAR

Characterization of image-enhanced C-banded oat monosomics and identification of oat genomes and homoeologous chromosomes. Eric Jellen on Thursday, May 21, 1992 at 12:00 noon in 306 Borlaug Hall.

HOLIDAY

The University of Minnesota will be closed for Memorial Day on Monday, May 25, 1992.

INTERVIEW SCHEDULE

Dr. Sally Mackenzie

Seminar will be held in 408 Agronomy Building on Wednesday, May 20, 1992 from 11:00-12:00 p.m.. "Strategies for Gene Mapping and Pedigree Assessment in Self-Pollinating Crop Species."

Seminar - Thursday, May 21, 1992 from 8:00-9:30 a.m. in 306 Borlaug Hall.

"Nuclear-Mitochondrial Genetics Interactions in Cytoplasmic Male Sterile Bean Plants."

AG AWARENESS DAY

The West Central Experiment Station (WCES) will host Ag Awareness Day on Sunday, May 17, 1992 from 2:00-5:00 p.m. Ag Awareness Day is an educational event designed to improve the non-farm public's understanding of modern agriculture. Everyone is welcome.

SEMINARS

Monday Plant Molecular Genetics

May 18 Seminar
Nucleus-encoded chloroplast ribosomal protein genes. Mike Thompson and Jui Sui Hsu at 12:00 noon in 306 Borlaug Hall.

Soil Science

Microbial degradation of hydrocarbons in the environment. Patt Tufts in 375 Borlaug Hall at 3:00 p.m.

Tuesday Plant Biol. Sci. Colloquium
May 19 Gene expression during adventitious root initiation in tobacco cuttings. Steve Lund in 306 Borlaug Hall at 3:30 p.m.

BPTI Seminar

Molecular genetic analysis of mitomycin C resistance and biosynthesis in Streptomyces lavendulae. Paul August in 239 Gortner Labs at 4:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor (non-tenure track, Special Category) in Weed Science. T.C. Paulitz, McGill University, Quebec, Canada.

-Research Associate. R.L. Westerman, Oklahoma State University, Stillwater, OK.

-Distinguished Professor of Agronomy and Ben J. Altheimer Chair for Soybean Research. John T. Gilmour, University of Arkansas, Fayetteville, AR.

-Soil Scientist or Chemist. Sally Washausen, USDA, ARS, University of Arkansas, Fayetteville, AR.

-Part-time faculty positions in Biology, Fall Term 1992. John Brennan, Chair, Hamline University, St. Paul, MN.

-Several faculty positions openings. Escuela de Agricultura de la Region Tropical Humeda (E.A.R.T.H.). Dr. Jose A. Zaglul, Director General, San Jose, Costa Rica.

-Secretarial Assistant -Part-time. University of Minnesota, Department of Soil Science. Duties: data entry and word processing, "customer service" to the soil testing public and researchers, general office. Richelle Kuhl at 625-3101 (Job #068249).

-Production Research Regional Agronomy Coordinator. James Hunter, Pioneer Hi-Bred International, Inc., Johnston, Iowa.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 22, 1992

CONGRATULATIONS

Dr. Jeffrey Gunsolus has been promoted to Associate Professor and Dr. Hans-Joachim Jung has been promoted to Adjunct Professor. Congratulations!

Dr. Nancy Ehlike has been appointed as a Full Member of the Plant Breeding graduate faculty and Dr. JoAnn Lamb has been appointed Associate Member of the Plant Breeding Graduate Faculty. Congratulations!

Tabare Abadie and Martin Fabrizio passed their Ph.D. oral preliminary examinations this week. Congratulations!

STEAK FRY

Gopher Crops & Soils Club Steak Fry will be held at Jaycee Pavilion off Lexington Avenue in Roseville on Wednesday, May 27, 1992 at 5:30 p.m. Tickets can be purchased from Lynne Medgaarden in 302 Agronomy Building or club members. Tickets should be purchased by today. Tickets are \$4.00/faculty/staff, \$1.00/students and children are free.

BRAD LARSON

Brad Larson, Plot Coordinator on the corn breeding project, has resigned effective May 31, 1992.

PH.D. THESIS DEFENSE

Morphology and inheritance of root types in alfalfa. Lauren Johnson on Tuesday, May 26, 1992 at 9:00 a.m. in 306 Borlaug Hall.

M.S. THESIS DEFENSE

Effects of recurrent selection for grain yield on oat kernel morphology. David De Koeper on Wednesday, May 27, 1992 at 2:00 p.m. in 491 Borlaug Hall.

MASTER OF AGRICULTURE

Factors that affect seed vigor. Alejandro Peralta on Thursday, May 28, 1992 at 3:00 p.m. in 306 Borlaug Hall. Everyone is welcome.

WILLIAM S. MARVIN

There will be a coffee and cookie social on Friday, June 5, 1992 to recognize William S. Marvin who will be receiving the Outstanding Achievement Award. It will be held in 306 Borlaug Hall at 3:00 p.m. All faculty, staff and students are welcome to come.

SPECIAL SEMINAR

Australian Crop Industry Development: Mustards, Pulses and Medics. Don Walscott on Wednesday, May 27, 1992 at 3:00 p.m. in 408 Agronomy. Mr. Walscott is an Industry Development Manager who has worked with development of new crops for Australia. He will discuss the development of new crop production and marketing industries.

FURNITURE FOR SALE

Couch, chair, coffee table, end table, dresser, and twin bed. For more information, please call David De Koeper at 625-6794 (w) or 659-0723 (h).

COMPUTER VIRUS

There is a new computer virus that has been found on the IBM computers in the Weeds Lab and Extension Group computers. It is called "Stoned". It is a newer version of what was on the computers earlier. It will destroy flopping diskettes and your computer files. The virus is stronger than the Michael Angelo virus. An updated virus protection disk is available in the 411 Borlaug Hall if anyone is interested in getting a copy for their computer.

SEMINARS

Tuesday Plant Biol. Sci. Colloquium
May 26 Carbohydrate induction of genes related to anthocyanin biosynthesis. Sarah Ohmann in 306 Borlaug Hall at 3:30 p.m.

BPTI Seminar
Cultivation of natural
killer cells for eventual
clinical applications.
Bryce Pierson in 239
Gortner Labs at
4:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position
announcements can be found at the
front desk in 411 Borlaug Hall.

-Crops and Soils Agent, Outagamie
County. UWEX, University of
Wisconsin-Extension, Madison,
WI.

-Research Associate. Robert
Shearman, Head, University of
Nebraska, Lincoln, NE.

-Farm Advisor -- Livestock &
Natural Resource Management.
Pam Torrey, University of
California, Davis, CA.

-County Director/Advisor. Pam
Torrey, University of California,
Davis, CA.

-Extension Vegetable Specialist,
Tenure-Track Position. Jerry G.
Schickedanz, Chairman, New
Mexico State University, Las
Cruces, NM.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 29, 1992

WILLIAM S. MARVIN

The Department of Agronomy and Plant Genetics invite students and staff to an informal meeting with Mr. William S. Marvin on Friday, June 5, 1992 at 3:00 p.m. in 306 Borlaug Hall.

Mr. Marvin, Warroad, MN will receive the University of Minnesota Outstanding Achievement Award at the College of Agriculture Graduation Exercises on Sunday, June 7, 1992 at 3:00 p.m. in Northrup Auditorium.

Mr. Marvin was a member of the 1939 class in the College of Agriculture and is the President and CEO of the Marvin Window Company, Warroad, MN.

RETIREMENTS

A cheese and wine reception in honor of John "Jack" True of the Agricultural Engineering Department on the occasion of his retirement will be held on June 3, 1992 at 4:00 p.m. The reception will be in the St. Paul Student Center, North Star Ballroom Lounge, and will last until approximately 5:00 p.m. No reservations are needed for the reception and all are invited to attend.

Following the reception, a 6:00 p.m. retirement dinner party will be held for Jack and his wife Rosalie beginning with a cash bar at about 5:30 p.m. at the Lido Cafe Italia in Roseville on Snelling Avenue. For a dinner reservation form or to contribute towards Jack's gift, call Wendy at 625-9733.

A cheese and wine reception in honor of Frank Lang of the Agricultural Engineering Department on the occasion of his retirement will be held on June 3, 1992 at 2:00 p.m. The reception will be in the St. Paul Student Center, North Star Ballroom Lounge. No reservations are needed for the reception, and all are invited to attend.

A cheese and wine reception in honor of Gale Tollefson of the Agricultural Engineering Department on the occasion of his retirement will be held on June 3, 1992 at 3:00 p.m. The reception will be in the St. Paul Student Center, North Star Ballroom Lounge. No reservations are needed for the reception, and all are invited to attend.

On June 9, 1992, a retirement picnic lunch party will be held for Frank and Darlyne Lang and Gale and Pat Tollefson. It will be held behind the Agricultural Engineering Building. The picnic will begin at 11:30 a.m. For a picnic lunch reservation form or to contribute towards Frank's or Gale's gift, call Catherine at 625-7733.

WOMEN IN AGRICULTURE

The next meeting is on Tuesday, June 2, 1992 at 12:00 noon in 491 Borlaug Hall. We will meet with Dean Richard Jones. Everyone is welcome.

GRANT PROPOSAL WRITING

Attention Graduate Students: Dr. Signe Betsinger will teach a course on grant proposal writing during the

second summer session, July 23-August 26, 1992. Rhet 5573 Grant Proposal, 3 credits, TTh, 4:00-6:30 p.m. in Classroom Office Building B45. This course is offered through the Summer Evening Extension Classes Bulletin. The course will cover writing the grant proposal, including establishing credibility, problem statement, problem objectives, plan of action, evaluation, budget presentations, and proposal summary. This course is designed to serve both real and hypothetical situations. The course is limited to 15 people so register early.

SUSTAINABLE AGRICULTURE COURSE

A course called "Sustainability, Ecology & Agriculture: An Interdisciplinary Inquiry" will be taught Fall Quarter 1992. This course will be taught one time only. The registration number is AgEc 5990, Section 3, Call number 751094 or Agro 5001, Section 2, Call number 951160. The class will meet from 1630 to 1745 on Tuesday and Thursday in COB B36. The course will analyze the various ways sustainable agriculture can be defined and implemented. For more information call Mark at 5-9710.

FREE CONCERT

Phil Schwab will be singing with the University of Minnesota Choral Union and Symphony Orchestra next Thursday, June 4, 1992 at 8:00 p.m. in Northrup Auditorium. The concert is free. The U of M Choral Union will be singing Carmina Burana (an anthology of songs

about love and springtime).

SEMINARS

Monday Soil Science

June 1 The development of water erosion prediction from USLE to WEPP. John Crellin in 375 Borlaug Hall at 3:00 p.m.

Tuesday BPTI Seminar

June 2 Isolation and characterization of Poly- β -Hydroxybutyric Acid (PHB) genes in *Streptomyces coelicolor*. Trent Elwing in 239 Gortner Labs at 4:30 p.m.

Plant Biol. Sci. Colloquium
Regulation of alkaloid production in Nicotiana glauca root cultures. Paul Burkhouse in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant or Associate Professor of Biometry. G.H. Heichel, Head, Department of Agronomy, University of Illinois at Urbana-Champaign, Urbana, IL.

-Cooperative Extension Educators. Staff Development and Recruitment, Cornell University, Ithaca, NY.

-Assistant Professor. Eugene J. Kamprath, Department of Soil Science, Raleigh, NC.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 5, 1992

FAREWELL COFFEE

There will be a farewell coffee for Bruce Maxwell on Thursday, June 11, 1992 at 9:30 a.m. in 408 Agronomy Building.

AWARD

Congratulations to Robert J. Odegard who will be awarded the Outstanding Achievement Award. Mr. Odegard graduated from the University of Minnesota Cum Laude in 1942 with a degree in Agricultural Economics. The award ceremony will be held on Wednesday, October 14, 1992 at 3:00 p.m. in the North Star Ballroom.

DEPARTMENTAL KEYS

Effective immediately -- deposits for departmental keys will be \$5.00 per key. Project leaders and supervisors please remind your undergraduates and graduate students to return their keys when they complete their work for you. Deposits are refunded when keys get returned. Marilyn Hole

GRANTS PROGRAM

Sustainable Agriculture Research and Education Program. Proposals are invited for competitive grant awards under the Special Research Grants, Water Quality Program for fiscal year 1992. This solicitation announces research problem areas which differ from those announced under the Special Grants Water Program. The deadline for proposal submission is June 22, 1992. Contact Jeanne Davy for program details.

OFF-CAMPUS HOUSING

The off-campus housing division is now open in the Office for Student Affairs in 190 Coffey Hall. The St. Paul office is open from 8:00 a.m. to 4:15 p.m. Services will be offered from Monday, June 1, 1992 to Thursday, September 24, 1992. At all other times contact Housing Services at 624-2994.

WOMEN IN AGRICULTURE

The next meeting is on Tuesday, June 9, 1992 at 12:00 noon in 491 Borlaug Hall. We will be meeting with Carl Eide and Dave French. We will have a potluck to celebrate their visit with us and to conclude the school year.

ASA

Any student interested in joining the American Society of Agronomy, please see Lynne Medgaarden in 302 Agronomy Building for more information.

1992 FIELD DAYS & VISITORS EVENTS

June 23 - Crops and Soils Field Day at the Southern Experiment Station, Waseca, MN.

June 24 - Summer Field Day at the Southwest Experiment Station, Lamberton, MN.

June 25 - Minnesota Weed Tour at the Southern Experiment Station, Waseca, MN.

July 9 - Summer Field Day at the West Central Experiment Station, Morris, MN.

July 15 - Crops and Soils Day at the Northwest Experiment Station, University of Minnesota-Crookston, Crookston, MN.

July 16 - Wild Rice Tour at the North Central Experiment Station, Grand Rapids, MN.

July 16 - Annual Visitors Day at the North Central Experiment Station, Grand Rapids, MN.

July 29 - Horticulture Night at the West Central Experiment Station, Morris, MN.

July 30 - Water Quality Research Field Day at the Rosholt Research Farm, Westport, MN.

August 13 - Annual Irrigation Field Day at Central Minnesota Demonstration Research and Irrigation Center, Staples, MN.

August 26 - Horticulture Night at the North Central Experiment Station, Grand Rapids, MN.

September 15 - Fall Crops and Soils Day at the West Central Experiment Station, Morris, MN.

September 16 - Fall Field Day at the Southwest Experiment Station, Lamberton, MN.

September 17 - Corn and Soybean Field Day at the Southern Experiment Station, Waseca, MN.

UNIVERSITY GAS CARDS

The Vehicle Maintenance Department on the St. Paul Campus will be changing to a computerized fuel system in the near future. You will need a University gas card to use this new system. This is a different card from the one that you are using at gas stations. According to their records, all the vehicles in the Agronomy Department have been issued these cards in the past. Check your project vehicle for your card. If you are missing your card talk to Joan at the front desk at Vehicle Maintenance on the St. Paul Campus. If you do not have this card you cannot get fuel from the pumps on campus.

Tom Warnke

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Postdoc position in the Department of Biochemistry. Anath Das, University of Minnesota, St. Paul, MN.

-Postdoc - Biogeochemist. C.W. Wood, Department of Agronomy and Soils, Auburn University, AL.

-Research Associate. H.M. Selim, Department of Agronomy, Louisiana State University, Baton Rouge, LA.

-Research Assistant. G.L. Posler, Department of Agronomy, Kansas State University, Manhattan, KS.

-Wheat Breeding Half-Time Graduate Assistant. Robert Bacon, University of Arkansas, Fayetteville, AR.

-Research Scientist. Chair, Search Committee, Cook College, NJAES, New Brunswick, NJ.

PHYTOGRADS, the graduate student organization of the interdepartmental Plant Biology Program (of which almost 10% of Agronomy/Plant Genetics students are members) is planning a symposium on plant science:industry connections. Participants will be:

Dr. Deon Stuthman (Agronomy/Plant Genetics Dept) president of the Council for Agricultural Science and Technology

Dr. Philip Regal (Ecology, Evolution and Behavior Dept) speaking on ethical issues surrounding plant science

State Senator Chuck Davis, chair of the Agriculture and Rural Development Committee

Dr. Ron Meeusen, Director of Biotechnology at Northrop King

Dr. Franklin Pass, President of International Agricultural Investments, Ltd

All students, faculty and staff are invited to this symposium and the wine and cheese reception following. It will be in Green Hall, Friday June 19, 1 to 5 pm. More details later. Dave Robinson.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 12, 1992

NEW BABY

Congratulations to Brent and Amy Delzer on their new baby girl born on Thursday, June 4, 1992. Hannah Rose, 7 lbs. 15 oz. Mom and baby are doing fine. Brent is working for Northrup King in Janesville, WI.

RECEPTION

You are invited to a reception co-hosted by the College of Biological Sciences and Office of the President in honor of Richard S. Caldecott, Assistant to the President for Federal Relations, to help him celebrate his retirement. The reception will be held on Tuesday, June 23, 1992 from 3:00-5:00 p.m. in the Regents Room, 238 Morrill Hall, Minneapolis Campus. The program will begin at 3:30 p.m.

DEPARTMENTAL KEYS

Effective immediately -- deposits for departmental keys will be \$5.00 per key. Project leaders and supervisors please remind your undergraduates and graduate students to return their keys when they complete their work for you. Deposits are refunded when keys get returned. Marilyn Hole

M.S. THESIS DEFENSE

Common milkweed seedling establishment and control in hard red spring wheat, corn and soybeans. Tom Fry on Tuesday, June 16, 1992 at 9:00 a.m. in 306 Borlaug Hall.

RETIREMENT

Wallace W. Nelson's Retirement Open House will be held at the Southwest Experiment Station on Saturday, June 27, 1992 from 1:00 to 8:00 p.m. Come and extend best wishes to Wally on his retirement.

PH.D. THESIS DEFENSE

Identification of genomic regions controlling maturity in maize (*Zea Mays* L.). Tae San Kim on Thursday, June 18, 1992 at 12:00 noon in 306 Borlaug Hall.

CONGRATULATIONS

Several undergraduate students from our department received their Baccalaureate degrees at the College of Agriculture graduation ceremony on Sunday, June 7, 1992.

Daniel Borgmeier, David Laschenski, and Bruce Ringkob (AIM); Daniel Anderson (with distinction), Randall Baum, Stephen Canner, Edward Hegland, Bruce MacGregor, Peter Rupert, Gary Suess, and Randy Vancura (Agronomy); Curt Burns, Eric Hoiland, Mike Jorgenson, Jay Miller, Michelle Risk, and Todd Robran (AnPl); Jane Grimsbo, David LeGare, Elizabeth Managure, and Nancy Vetscher (ScAg). Congratulations.

Congratulations to Alejandro Peralta who earned the Master of Agriculture Degree from the College of Agriculture.

WELCOME

Please welcome the following graduate students to our Department.

Megan Moynihan has joined Steve Simmons and Craig Sheaffer on the annual medics project to work toward the M.S. in Agronomy. Meg is from Wisconsin and received her B.A. degree from Brown University. She is officed in 413 Agronomy Building.

Alejandro Peralta will be advised by Larry Smith and will be working with the Minnesota Crop Improvement Association toward the Ph.D. in Agronomy. Alejandro is from Uruguay. He is officed in 306 Agronomy Building.

Jane Jewett will be working toward the M.S. in Plant Breeding with Don Barnes on the Alfalfa Breeding Project. Jane is originally from Palisade, MN. She is officed in 303 Agronomy Building.

A.J. Bussan has joined Orvin Burnside and Jim Orf to work toward the M.S. in Agronomy on a weed science project studying weed competitiveness in soybeans. A.J. has recently completed two B.S. degrees in Soil and Crop Science and Chemistry at the University of Wisconsin in Platteville. He is officed in 303 Agronomy Building.

David LeGare has joined Don Rasmusson on the barley breeding project to work toward the M.S. in Plant Breeding. David is from Hector, MN. He is officed in 303 Agronomy Building.

GAS CYLINDER STORAGE

We have received the following message from Ray Arntson, University Safety Officer.

The loading dock area, Room 102 of Borlaug Hall, has been established as a point for storage of gas cylinders. In observing this area, on June 3, 1992, 37 cylinders were noted, 17 of which were unsecured. Five cylinders were also noted not having cylinder caps. Through discussion with your safety committee, please reduce the number of cylinders within this area while maintaining all of them in a secure position. Caps for the cylinders are to be in place while in storage. Thank you for your assistance in correcting this safety issue. Should you have any further questions, please do not hesitate to contact me at 626-5422.

SYMPOSIUM

Issues in Plant Research and Biotechnology.

Deon Stuthman, President-elect of the Council for Agricultural Science and Technology. "Research funding with particular emphasis on joint industry-academic projects."

Philip Regal, Dept. of Ecology, Evolution and Behavior. "Ethical issues surrounding plant science."

Senator Chuck Davis, MN State Senator and Chairman of the Senate Agriculture and Rural Development Committee. "Social impact and political considerations of biological research."

Ron Meeusen, Director of Biotechnology, Northrup King. "Marketing issues in the plant research industry."

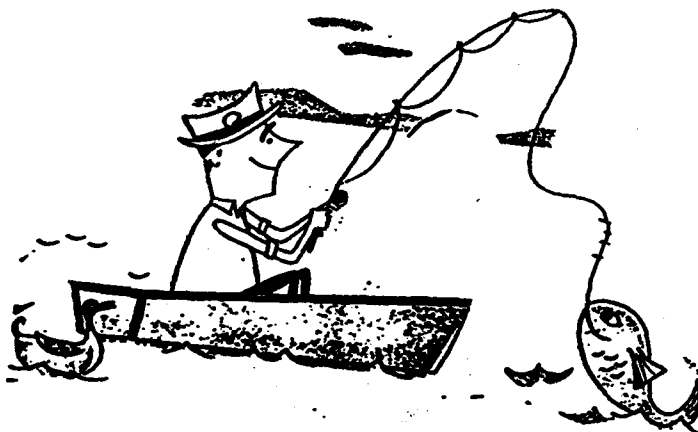
Franklin Pass, President of

International Agricultural Investments, Ltd. "Plant research career opportunities in industry."

All students, faculty and staff are invited to this symposium and the wine and cheese reception following. It will be held in 110 Green Hall, from 1:00-5:00 p.m. on Friday, June 19, 1992. For more information, please see Dave Robinson.

FISHING TRIP

The Department fishing trip will be held next weekend June 19-21, 1992 at Cedar Springs Lodge at Leech Lake. Many people will be gone from the department. May the best fisherperson win.



POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Graduate Research Assistantships. S.L. Ladd, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

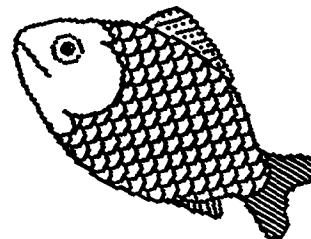
-Assistant Extension Agronomist. James E. Hill, Department of

Agronomy and Range Science, University of California, Davis, CA.

-Senior Research Assistant or Research Associate. G. Douglas Crater, Ornamental Horticulture and Landscape Design, The University of Tennessee, Knoxville, TN.

-Postdoctoral Fellow - Natural Product Chemist/Chemical Ecologist. Search Committee, Department of Plant, Soil and Entomological Sciences, Moscow, ID.

-Two positions are available for graduate study in Weed Ecology. David A Mortensen, Department of Agronomy, University of Nebraska, Lincoln, NE.



AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 19, 1992

CONGRATULATIONS

Gary Muehlbauer was selected to receive a Doctoral Dissertation Fellowship for 1992-93 from the Graduate School. Gary is advised by Dave Somers. The title of his thesis is "Isolation and characterization of the maize aspartate kinase genes." Congratulations!

Tae San Kim has passed his Ph.D. final exam. Congratulations!

Todd Krone has passed his Ph.D. prelim oral exam. Congratulations!

Rick Harrison (Department of Horticulture) has passed his Ph.D. prelim oral exam. Congratulations!

NEW BABY

Congratulations to Judy Slyter on her new granddaughter. Her daughter Stacy had a baby girl born on Tuesday, June 16, 1992. Her name is Erica Rose.

50th WEDDING ANNIVERSARY

Hazel and Mauritz Linder will be celebrating their wedding anniversary on July 19, 1992 from 2:00-5:00 p.m. Program starting at 2:00 p.m. Christ Lutheran Church, 11194 36th St. N., Lake Elmo, MN 55042. R.S.V.P. by July 1, 1992 by calling 439-2527.

SPECIAL NATIONAL AWARDS

The American Society of Agronomy through its Special Awards Committee (A491.1) is seeking nominees for four awards:

National Medal of Science to be awarded by the President to

individuals "deserving of special recognition by reason of their outstanding contributions to knowledge in the physical, biological, mathematical, or engineering sciences." Deadline is July 31, 1992.

Renewable Natural Resources Foundation Awards.

Outstanding Achievement Award and Sustainable Achievement Award. Criteria for Selection: 1) Advanced the renewable natural resources sciences and public education; 2) Promoted the application of sound, scientific practices in managing natural resources; or 3) Fostered coordination and cooperation among professionals having leadership responsibilities for renewable natural resources. Deadline is August 1, 1992.

American Association for the Advancement of Science Award. 1992 Philip Hauge Abelson prize for a public servant, for exceptional contributions to advancing science, or a scientist, for scientific achievement and services to the scientific community. Each nomination must be seconded by at least two other AAAS members. Deadline is August 1, 1992.

1993 Scientific Freedom and Responsibility Award. This award recognizes scientists and engineers who have protected the public's health, safety, or welfare; or established important new precedents in carrying out social responsibilities. Deadline is July 15, 1992.

If you suggest nominees or you desire more information, contact Don Rasmusson.

Summer Field Day

The summer "Visitors Day" at the North Central Experiment Station will be held Thursday, July 16, 1992. The format and schedule has been changed to accommodate a broader audience.

9:30-11:00	Wild Rice Tour of Aitkin Paddies for commercial growers
12:00-2:00	Lunch - All UM staff are invited to be guests for lunch at NCES
2:00-4:00	Wild Rice Tour at Grand Rapids Paddies
2:00-3:30	Pre tour for tour guides and speakers
4:00-8:00	Tours of Agronomy, Forestry, Horticulture and Animal Science research projects

CASE

Mel Stanford conducted a discussion of the case, "The Gustavson Farm," at the western regional conference on Agribusiness Research in Las Vegas, Nevada, June 16, 1992.

BURSAR'S OFFICE

Summer hours are from 8:00 a.m. to 2:00 p.m. from June 22 to August 28, 1992

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Vice President, Programs and Global Projects, Washington, D.C.
- Dr. Henk Knipscheer, Chairperson, Search Committee, Winrock International, Morrilton, AR.
- Supervisor, Genetic Purity, Patrick Willett, CIBA-GEIGY Seed Division, Greensboro, NC.

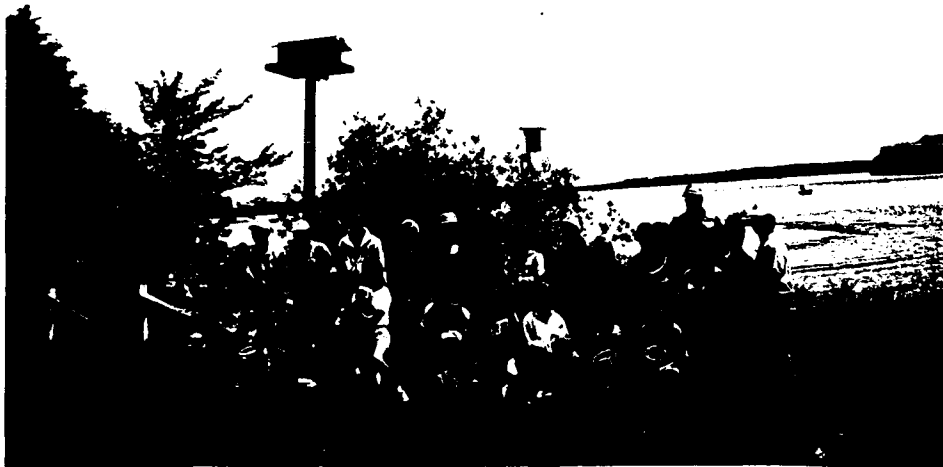
AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 26, 1992

FISHING TRIP

The 1992 Agronomy Department Fishing Trip was a great break and gave thirty-eight of us a chance to get to know each other a little better. Jim Halgerson won the Best Fisherman Award by catching 5.76 lbs. of walleye and releasing a 25 inch muskie. Other prize winners were: Walleye - Doug Miller, Dave Sandstrom, Annette Ristau; Northern Pike - Jamie Halgerson, Klaus Puettmann; Bass - Doug Swanson, John Lindquist, Sue Miller; Panfish - Andy Halgerson, Lynne Medgaarden, Pam Altermatt; Miscellaneous - Pat Kessler, Brett Bussler. Hope to see more of the Department out fishing with us next year!



FULBRIGHT GRANTS

The Graduate School has announced the opening of the 1993-94 competition for Fulbright grants and other grants for graduate study abroad administered by the Institute of International Education. Approximately 700 awards are available to more than seventy countries. While most of the countries participating in the program offer opportunities mainly to graduate students, a few awards are also available for undergraduates applying in their senior year. A critical part of the application is a well-defined study proposal, and I would therefore encourage potential applicants to begin planning immediately. October 1 is the campus application deadline for individual grants. If you would like a brochure describing any of the Fulbright programs or other grants for graduate study administered by the Institute of International Education, please contact the

Fellowship Office, 422 Johnston Hall at 625-7579.

COMPUTER ROOM

The combination on the computer room will be changed on Monday, June 29, 1992.

CONGRATULATIONS

Steve Simmons was selected as a 1992 ASA Fellow. This award will be presented at the ASA meetings in Minneapolis in November. Congratulations!

Todd Frank has been selected to receive a scholarship from Cenex Foundation Scholarship Program. Congratulations!

FAREWELL COFFEE

There will be a farewell coffee for Tae San Kim on Thursday, July 2, 1992 at 3:00 p.m. in 306 Borlaug Hall.



CROP SERVICE BUILDING CLEANUP

June 29th to July 8th are going to be cleanup days in the Crop Service Building. Please cleanup your work areas! I will be checking the dryers and drying racks on July 9th and 10th, and any samples not having a current 1992 date on them are going to be thrown out. If you have samples that need to be saved be sure it is clearly indicated and re-dated. Thanks.

Tom Warnke
5-3153

HOLIDAY

Friday, July 3, 1992 is a holiday. The University of Minnesota will be closed.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Agronomist. Michelle Shriver, Pioneer Hi-Bred International, Inc., Johnston, IA.

-Graduate Assistantships available in the Department of Horticulture, Oregon State University. P.J. Breen, Oregon State University, Corvallis, OR.

-Wheat Breeding Research Assistant. Robert Bacon, University of Arkansas, Fayetteville, AR.

-Professor and Head, Department of Grain Science and Industry. Kansas State University, Manhattan, Kansas.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 3, 1992

We were saddened to learn of a tragedy within the Rasmusson family. Daryle Rasmusson, daughter-in-law of Don and Carol Rasmusson died in Salt Lake City this week of cancer. Daryle was in excellent health and playing tennis just two weeks ago when she fell into a seizure and was diagnosed with a brain tumor. Daryle is survived by her husband Brad who is a medical doctor in Salt Lake, and by a 10-year-old daughter and a 8-year-old son. The Department extends its most sincere sympathies to the entire Rasmusson family.

ST. PAUL CAMPUS MAIL DISTRIBUTION CHANGES

As of July 1, 1992 U.S. mail will be delivered by the U.S. Postal Service once a day, between 10:00 a.m. and 12:00 noon, to one central location on the 4th floor of Borlaug Hall for all departments located in Borlaug Hall.

Outgoing departmental mail will be picked up once a day from that designated area.

If anyone has U.S. mail that needs to be out in the p.m., special arrangements will need to be made for it to be brought to Coffey Hall or to any other U.S. mailbox on the U of M campus.

Campus mail service will continue with twice-a-day delivery and pickup between 8:00-9:00 a.m. and 1:30-2:30 p.m.

WELCOME

Please welcome Nadege Blanchouin from the institute of Ecole Nationale

Superieure Agronomique de Zoulouse in France. She is a summer intern with Deon Stuthman on the oat project. She will be here for two months.

NORTHWEST EXPERIMENT STATION

A Small Grain Tour and Clinic is scheduled for July 10, 1992 at the Northwest Experiment Station, University of Minnesota-Crookston. Tours of the wheat and barley varietal, fertility and disease control research will begin at 8:30 a.m. on July 10, 1992 at the Agronomy farm located one mile north of the junction of Highway 2 and 75. Following the viewing of the various research trials, a clinic to answer other questions on small grain production will be held. Following the small grain clinic, guests will be able to view small grain and sugar beet herbicide trials and sugar beet root maggot research that was not shown previously. For more information contact: Dr. Larry Smith at 218-281-6510, ext. 462.

CONGRATULATIONS

Congratulations to Judy Slyter who has just completed 20 years of service to the University and to the Department of Agronomy and Plant Genetics.

Todd Krone has been selected to receive the Shevlin Fellowship for graduate students in the biological and agricultural sciences, basic physical and medical sciences, and liberal arts. Todd is working toward the Ph.D. in Plant Breeding with Ron Phillips. Graduate

programs in the appropriate fields nominate one candidate for this award each year. This fellowship is administered by the Graduate School. Congratulations!

Mary Paulson has been selected to receive a scholarship from A.F. Crow Hybrid for the 1992-93 academic year. Congratulations!

SPRAY ADHESIVE

If you are using spray adhesive in preparing posters or mounting photographs please be sure to lay down plenty of newspaper all around the area you are using. The spray adhesive leaves a sticky residue that is very difficult to remove, is annoying for the next person who uses the table, and could damage the table surface. This spray adhesive should only be used in vented areas because of the strong fumes emitted. Also, please cleanup after yourself.

FIELD PLOT IRRIGATION

Be sure to cover irrigation boxes in the field when not in use. A potential hazard exists for vehicles and pedestrians when the boxes are open. Colored flags are useful for marking those and related hazards in the field.

Dann Adair

SEMINAR ON USE OF ANIMALS

There will be an Orientation Seminar for new (and current) investigators and technicians involved with research animal use offered by Research Animal Resources on July 14, 1992 at 3:00

p.m. It will be held in 2-580 Moos Tower, Minneapolis Campus. Information will be presented on policies regarding animal use at the University of Minnesota, on functions of University Animal Care Committee, on animal ordering and housing, on the Occupational Health Program and on other relevant issues.

APPLICATION FEE INCREASE

Attention faculty - The Graduate School has increased the application fee for those applying to the Graduate School for Fall Quarter 1993 and thereafter. The application fee for domestic applicants will be \$40. The application fee for foreign applicants will be \$50. If you have any old Graduate School applications in your office please discard them and get new ones from Lynne in 302 Agronomy. Thank you.

AIRPLANE TICKET

One way airplane ticket (good until 4/93) within the contiguous U.S. is available for \$150.00. Call 645-2258 between 6:00-10:00 p.m. if interested.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Extension Agronomist.
James E. Hill, Department of Agronomy and Range Science, Davis, CA.

-Cooperative Extension Educators.
Cornell Cooperative Extension, Cornell University, Ithaca, NY.



AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 10, 1992

CONGRATULATIONS

Verne Comstock was married on July 4, 1992 to Irma Sentz at the Lutheran Student Center. They will reside in St. Cloud, however the bride has given permission for Verne to return for a game of handball or hearts. Congratulations to Verne and Irma.

Congratulations to Lynne Medgaarden who has been reclassified to Undergraduate-Graduate Student Office Supervisor.

PICNIC

Agronomy Grad Club picnic will be held at Roseville Central Park Jaycee Shelter on Friday, July 24, 1992 at 6:00 p.m. Beverages and charcoal will be provided. Please bring your own meat and a dish to pass. Faculty and students are invited.

FACULTY MEETING

The next faculty meeting will be held on Monday, July 27, 1992 at 8:00 a.m.

EXCHANGE PROGRAM

The Office of International Cooperation and Development, USDA, is offering opportunities for U.S. Scientists to participate in the FY-93 Scientific Exchange Program. Proposals are due August 1, 1992. If you are interested in applying see Jeanne Davy for information.

GREETINGS

A number of departmental friends from north of the border send greetings to the department. I met them at a meeting of the Canada

Society of Agronomy. A large number of them will be coming to the ASA meetings this fall.

Deon D. Stuthman

GREENHOUSE WATERING

Pam Altermatt will be gone on Monday, July 13, 1992. You must do your own greenhouse watering

SPECIAL SEMINAR

Management of research and development. "What does it take to make researchers managers". M.J. Stanford, Friday, July 24, 1992 at 12:00 noon. It will be held in 306 Borlaug Hall. All students and faculty are invited.

MOVING SALE

Double bed (box spring and mattress), table, color T.V., 10-speed bike and more. If interested, call 645-2258 from 6:00 to 10:00 p.m.

FALL QUARTER

1992 Fall Quarter classes begin on Thursday, September 24 and end Friday, December 4 with finals week from December 7-12, 1992.

VISITOR

Dr. Robert Lawn from Brisbane, Queensland, Australia will be visiting the department following the International Crop Science Congress. He will arrive sometime during the day on Wednesday, July 22, 1992 and depart on Sunday, July 26, 1992. If anyone is returning from Ames, Iowa Wednesday, July 22, please let Deon Stuthman know.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-4-H and Youth Agent. Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

-Soil Scientist in Conservation Tillage/Sustainable Agriculture. Department of Agronomy, University of Georgia, Griffin, GA.
-Research Assistant. Sheldon L. Ladd, Department of Crop and Soil Science, Corvallis, OR.

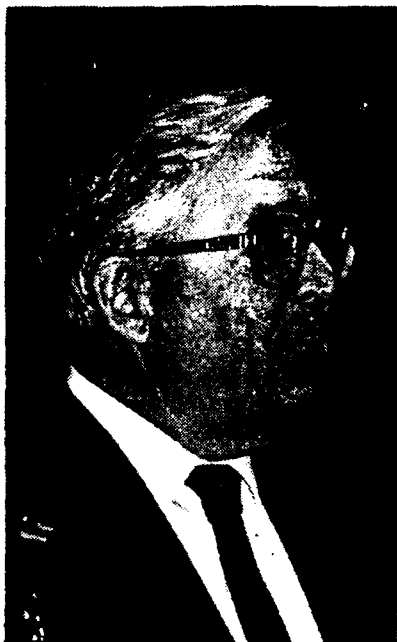
-Research Associate. A.G. Hashimoto, Bioresource Engineering Department, Oregon State University, Corvallis, OR.

-Program Leader, Dominican Republic. Jerome H. Maner, Winrock International, Morrilton, AR.

(OVER)

W. S. Marvin receives U of M alumni award

William S. Marvin, founder of Marvin Windows and CEO of Mar-



William Marvin

vin Lumber and Cedar Co., received the Outstanding Achievement Award from the University of Minnesota Board of Regents June 7.

The award, the highest given to alumni, recognizes exceptional achievement in a professional field.

Born in Warroad, Marvin received a bachelor's degree in agronomy from the university in 1939. After working two years in the General Mills accounting department, he returned to Warroad, in 1941 to work with his father in the Marvin Lumber and Cedar Co. making ammunition boxes for the war effort.

In 1957 he started Marvin Windows as a subsidiary, where he pioneered such employee benefits as a profit-sharing plan, a medical and hospital insurance plan and a college scholarship program for children of employees.

In 1980 Marvin was elected to the Minnesota Business Hall of Fame. He was among the 145 business and agricultural leaders invited to meet with Mikhail Gorbachev during his 1990 visit to the Twin Cities.

This announcement was taken from the Roseau Times Region weekly newspaper. A similar story appeared in the Warroad Pioneer, but it is too lengthy to include in the "Gleanings".

Mr. Marvin has written several expressing his appreciation on receiving the Award and the several functions for him and his family while they were here.

I very much appreciate the support of Students and Faculty for the meeting with Mr. Marvin, Friday, June 5.

Elling

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 17, 1992

CONGRATULATIONS

Vernon Cardwell received word this week from ASA headquarters that he was elected President of Crop Science Society of America. The election of Vern represents a three year commitment as President-elect, President and then Past President. Duties begin at the end of the 1992 ASA meetings, November 1-5, 1992. Congratulations Vern!

Kent Crookston has been selected as a Fellow by the American Society of Agronomy and by the Crop Science Society of America. Congratulations Kent!

PREPROPOSALS

The Midwest Plant Biotechnology Consortium has announced its request for Preproposals for 1993 Competition in Plant Biotechnology Energy From Biomass. The preproposal deadline is October 1, 1992. Full proposals are due March 1, 1993. For more information please see Jeanne Davy.

PAPER SHREDDER

The USDA office (403 Agronomy Building) has a paper shredder that is available if anyone needs to use one. Please call Kathy Anderson at 5-1920 if you have any questions.

PHONE BOOKS

Please bring your old St. Paul Yellow Pages and St. Paul White Pages to the main office to be recycled. Sign up for your new phone books at the front desk. They will be delivered by July 31, 1992.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Wheat cytogenetics, wide hybridization and apomixis. John Carman, Plants, Soils & Biometeorology Department, Utah State University, Logan, UT.

-Research Associate. A.G. Hashimoto, Bioresource Engineering Department, Oregon State University, Corvallis, OR.

-Research Fellow, 4-H Youth Development. 4-H Office, University of Minnesota, St. Paul, MN.

-Research Associate/Station Manager in Canandaigua, NY. Theresa Brown, DeKalb Plant Genetics, DeKalb, IL.

-Senior Scientist - Continuum Program Leader and Cropping Systems Agronomist. Peter J. Matlon, West Africa Rice Development Association (WARDA), Bouake, Cote d'Ivoire.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 24, 1992

PRACTICAL TRAINING

A former agronomy student would like to do a six months or one year "practical training" in agronomy. If any faculty member has an opening available please contact Ntche Tissah Georges, 1994 Buford Avenue #137, St. Paul, MN 55108 (379-4663) or Larry Smith (5-2778).

PHONE BOOKS

Please bring your old St. Paul Yellow Pages and St. Paul White Pages to the main office to be recycled. New phone books will be delivered on August 5, 1992.

NEW HORTICULTURE COURSE

A new course will be offered Fall Quarter 1992 by the Horticulture Science Department "Plant Genetics and Improvement," Horticulture 3003, 4 credits. Classes will meet at 12:50-1:40 p.m., MWF.

RETIREMENT

Dr. Bill Kennedy of the Plant Pathology Department has elected to retire in May of 1993. He has contributed significantly to the State and to the University of Minnesota through his research and teaching expertise in soybean pathology, phyto bacteriology, and chronopathology.

SEMINAR

Length polymorphisms of simple sequence repeat DNA as molecular markers in soybean. Dr. Perry Cregan, USDA, Beltsville, MD. The seminar will be held on Thursday, July 30, 1992 at 1:00 p.m. in 306 Borlaug Hall.

PREPROPOSALS

Sustainable Agriculture Research & Education Program - 1993 Call for Preproposals. (USA) & (ACE) grants - September 4, 1992 is the deadline for receiving 20 copies of the preproposal at the University of Nebraska.

FY 1994 Request for Preproposals - Leopold Center for Sustainable Agriculture - Due date September 1, 1992.

See Jeanne Davy for details on these two programs.

ORTTA

The latest issue of ORTTA's DEADLINE which contains all sponsored program deadline information is available for review. Please see Jeanne Davy.

GRADUATE STUDENTS

Unfortunately, the proposed tour of Mexico for graduate students will have to be postponed until 1993. Several things have not sufficiently developed to ensure a successful trip this year. It is important to get this project off to a good start.

On a positive note the details of the Wisconsin trip are being finalized now. The tour will begin with departure from campus early on Tuesday, August 25 so that the group can arrive in Madison by 12:00 noon that day. We will return home before dark on Thursday, August 27. I will supply more details as soon as the schedule is finalized. In the interval I will be happy to answer your questions.

Deon Stuthman

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Integrated Pest Management (IPM) Coordinator. Bruce Barrett, Department of Entomology, University of Missouri, Columbia, MO.

-Graduate Research Assistant, Forages. Gerry Posler, Department of Agronomy, Kansas State University, Manhattan, KS.

-Forage Physiology/Management--Half-Time Graduate Assistants. Matt Sanderson, Texas A&M University, Stephenville, TX.

-Head of Computer and Biometrics. International Livestock Centre for Africa. Personnel Manager, ILCA, Addis Ababa, Ethiopia.

-Postdoctoral appointments in maize breeding/entomology/pathology. Director, Maize Program, CIMMYT, Mexico.

-Professor and Head. Department of Grain Science and Industry, College of Agriculture, Kansas State University, Manhattan, KS.

-Staff position in plant transformation and molecular biology. John Yoder, Center for Engineering Plants for Resistance Against Pathogens, University of California, Davis, CA.

-Corn Technician with a major company in northern Illinois. B.S. or M.S. with experience in RFLP applications, mapping and transformation, pollination and nursery work. Start within next two-three months. Contact: Herb McCulla, Dunhill Employment, (303) 221-5630.

Sharpen Your Pencil, and Begin Now

EXAMINATION FOR ADMISSION.

Jersey City High School,

JUNE, 1985

-o-o-

ALGEBRA.

- I. Define Algebra, an algebraic expression, a polynomial. Make a literal trinomial.
- II. Write a homogeneous quadrinomial of the third degree. Express the cube root of $10ax$ in two ways.
- III. Find the sum and difference of $3x-4ay+7cd-4xy+16$, and $10ay-3x-8xy+7cd-13$.
- IV. Express the following in its simplest form by removing the parentheses and combining: $1-(1-a)+(1-a+a^2)-(1-a+a^2-a^3)$.
- V. Find the product of $3+4x+5x^2-6x^3$, and $4-5x-6x^2$.
- VI. Expand each of the following expressions and give the theorem for each: $[a+4]^2$, $[a^2-10]^2$, $[a+4][a-4]$.
- VII. Divide $6a^4+4a^3x-9a^2x^2-3ax^3+2x^4$ by $2a^2+2ax-x^2$.
- VIII. Find the prime factors of x^4-b^4 and x^2-1 .
- IX. Find the G.C.D. of $6a^2+11ax+3x^2$, and $6a^2+7ax-3x^2$.
- X. Divide $\frac{x^2-2xy+y^2}{ab}$ by $\frac{x-y}{bc}$ and give the answer in its lowest terms.

-o-o-

ARITHMETIC.

- I. If a 60 days note of \$840 is discounted at a bank at $4\frac{1}{4}\%$ what are the proceeds?
- II. Find the sum of $\sqrt{16.7281}$ and $\sqrt{.72\%}$.
- III. The interest of \$50 from March 1st to July 1st is \$2.50. What is the rate?
- IV. What is the cost of 19 cwt. 83 lb. of sugar at \$98.50 a ton? What is discount? A number?
- V. Divide the difference between 37 hundredths and 95 thousandths by 25 hundred thousandths and express the result in words.
- VI. The mason work on a building can be finished by 16 men in 24 days, working 10 hours a day. How long will it take 22 men working 8 hours a day?
- VII. A merchant sold a quantity of goods for \$18,775. He deducts 5% for cash and then finds that he has made 10%. What did he pay for the goods?
- VIII. A requires 10 days and B 15 days to do a certain piece of work. How long will it take A and B working together to do the work?
- IX. By selling goods at $12\frac{1}{2}\%$ profit a man clears \$800. What was the cost of the goods, and for what were they sold?
- X. A merchant offered some goods for \$1170.90 cash, or \$1206 payable in 30 days. Which was the better offer for the customer, money being worth 10%?

1. Using a 360-day year, \$833.79; using a 365-day year, \$833.79.
2. 4.94
3. 15%
4. Using U.S. hundred weight of 100 pounds, \$97.66. Percentage rate deducted from certain quantity. Concept of how many.
5. One thousand, one hundred.
6. 21 9/11
7. \$16,214.77
8. Six days.
9. If profit is based on cost, cost is \$8,400 and selling price is \$7,200. If based on selling price, cost is \$5,600 and selling price is \$6,400.
10. \$1,170.90

ARITHMETIC.

-o-o-

1. Algebra is the general method of computation in which signs, symbols and commonly the letters of the alphabet are made to represent numbers and quantities. It takes an unknown quantity sought, and as a means of one or more quantities known proceeds, till the unknown quantity is discovered. Algebraic expression is a collection of variables and real numbers in which we supply a finite number of operations of addition, subtraction, multiplication, division or the taking of roots or powers. Polynomial: Turned algebraic expression. Terms are designated by the use of plus or minus signs. Literal trinomial: $x+y+z$.
2. $2-x^2-2x^2+3x+5$; $\sqrt{10ax}$, $(10ax)^{1/2}$
3. Sum: $6ay+14cd-12xy+3$
Difference: $6x-14ay+4xy+29$
4. a^2+a
5. $36x^2-73x^2-18x^2+x+12$
6. $a^2+8a+16$; a^2-20a^2+100 ; a^2-16 . Theorems: $(a+b)^2 = a^2+2ab+b^2$; $(a-b)^2 = a^2-2ab+b^2$; $(a+b)(a-b) = a^2-b^2$
7. $3a^2-ax-2x^2$
8. (x^2+b^2) ; $(x+b)$; $(x-b)$; $(x-1)$; (x^2+x+1)
9. $(2a+3x)$
10. $\frac{c}{a(x-y)}$

ALGEBRA.

-o-o-

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 7, 1992

ABOUT THE MAIL

The campus mail is delivered daily at 9:00 a.m. and 2:00 p.m. The first-class mail from our office is taken to Plant Pathology at 11:30 a.m. and is picked up by the post office. The first-class mail is delivered at 2:00 p.m.

INTERRUPTION OF BUILDING STEAM SERVICE

The steam service will be interrupted for repair of steam valves and pipe covering as noted below. This outage will affect dishwashers, sterilizers, autoclaves, domestic hot water and the building heating systems.

370 A, D & E - Greenhouse No. of Garage
398 - Weed Research Lab
415 - Plant Pathology Greenhouse
432 - Agronomy Greenhouse Classroom

August 10, 1992, 7:00 a.m. through August 14, 1992, 3:30 p.m. for all buildings listed.

IMPORTANT NOTICE TO FEDERAL EXPRESS USERS

Every time you call in for a Federal Express letter/package you are charged \$2.50. There is a way to cut out this extra \$2.50 charge by dropping it in the Federal Express bin on campus. The bin is located along the back entrance of the Student Center cafeteria (the loading dock). The pickup of the day is at 5:30 p.m. When you are unable to deliver it there yourself you can bring your Federal Express letter/pak to 411 Borlaug Hall and we will drop it in the box for you.

When you use the drop box **DO NOT PHONE IN YOUR REQUEST.**

NEW COURSE

Plant Disease Diagnosis, Plant Pathology 5750, 3 credits. The lecture will be on Tuesday and Thursday from 8:30-9:20 a.m. and the lab will be held on Thursday from 1:55-3:55 p.m.

WELCOME

Please welcome the following graduate students to our Department.

Paul Meints will be working toward the M.S. degree with Robert Busch on the wheat breeding project. Paul received the B.S. degree from our department. His office is 306 Agronomy Building.

Steve Wagner recently completed his B.S. degree in Botany at the University of Wisconsin-Madison. He will be working toward the M.S. degree with Jim Orf on the soybean breeding project. His office is 306 Agronomy Building.

Wojciech Pawlowski is working toward the Ph.D. in plant breeding with Dave Somers. Wojciech is from Poland and completed the M.S. degree at the Agricultural University of Cracow. His office is 303 Agronomy Building.

Bennasseur Rzozi is back in the department for a month from Morocco. Bennasseur will complete his Ph.D. in Agronomy with Don Wyse. His office is 309 Agronomy Building.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Graduate Research Assistant in Soil Physics or Soil Fertility. John Havlin, Department of Agronomy, Kansas State University, Manhattan, KS.

-Postdoc Research Associate - Agricultural Water Quality. Derrel Martin, Department of Biological Systems Engineering, University of Nebraska-Lincoln, Lincoln, NE.

-Associate Director for Agronomy. Rhonda Janke, Rodale Institute Research Center, Kutztown, Pennsylvania.

-On-Site Director in France. Search Committee, The Global Campus, Department of Extension Classes, University of Minnesota, Minneapolis, MN.

-Assistant Professor in Plant Molecular Biology. Subhash Minocha, Department of Plant Biology, University of New Hampshire, Durham, NH.

-Assistant Professor in Weed Science. Dick Auld, Weed Scientist Search Committee, Department of Agronomy, Horticulture and Entomology, Texas Tech University, Lubbock, TX.

-Extension Agent - Chair. William Cords, University of Nebraska-Lincoln, Lincoln, NE.

You know what a fantasy car is - made in Detroit sold in Tokyo.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 31, 1992

Marilyn Hole's father passed away on Monday, July 27, 1992 in Springgreen, WI. The funeral will be tomorrow. Flowers have been sent by the Department.

MICHAEL MARTIN

Michael Martin has accepted the position of Associate Dean for Research, COA, and Assistant Director of the Agricultural Experiment Station. He will begin his duties this fall.

CONGRATULATIONS

Ervin Oelke has been selected to head the Center for Alternative Plant and Animal Products (CAPAP). Congratulations Erv!

BOOK MISSING

Someone borrowed a book from Harley Otto, MCIA, entitled "Identity Preserved" for crop varieties. Please return if you borrowed it.

NEW COURSE

Advanced Topics in Soil Fertility, Soil 8400, 3 cr. It will be held on Monday and Wednesday from 1:15-2:30 p.m. in 375 Borlaug Hall.

FACULTY MEETING

The next faculty meeting is scheduled for Monday, August 24, 1992 at 8:00 a.m. in 306 Borlaug Hall.

VEHICLE SIGN OUT

Because of the increased use of departmental vehicles during this time of year, if you sign out a vehicle and do not use it, please take your name off the sheet.

MINNESOTA STATE FAIR

The Minnesota State Fair is rapidly approaching and the University will participate at numerous locations throughout the fairgrounds. University Relations is responsible for the exhibit booth in the Education Building.

We need friendly, helpful, and informed volunteers to staff the booth in four-hour shifts. Working at the booth is an opportunity to be a University ambassador. In addition, all volunteers receive free admission to the fair on the day they work. We also need volunteers to wear the Goldy Gopher costume at the booth.

If you're interested in staffing the booth or being Golden Gopher, please see Jeanne Davy.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Cooperative Extension Educators. Staff Development and Recruitment, Cornell University, Ithaca, NY.

-Project Manager. International Service for National Agricultural Research, The Netherlands.

-Molecular Biologist to be based in Lima, Peru. Ali Golmirzaie, Germplasm Management and Enhancement Program, Lima, Peru.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 14, 1992

CONGRATULATIONS

Donald K. Barnes has been selected as the Midwest Area Senior Research Scientist of the Year. He will be honored at an awards ceremony in Washington on October 21, 1992. Congratulations Don!

CORN FEED

Special thanks to the corn project and the office staff for their help. We fed 120 people and have \$72.00 profit which will go into the Flower & Gift Fund.

THANK YOU

I would like to thank the Department for the beautiful red gloxinia plant and express my sincere appreciation for the kind words and cards/notes given to me when my Dad died recently. Your expressions of caring have been a great support to me.

Marilyn

FEDERAL EXPRESS

Incorrect information was presented in the last Gleanings concerning Federal Express. The drop box located near the Student Center does not provide a savings of \$2.50 if you drop it in the box. You may continue calling in your requests and bring your letters/paks to 411 Borlaug Hall for pickup.

FACULTY RETREAT

The College of Agriculture 1992 Faculty Retreat will be held on Monday, December 14, 1992 at the Minneapolis Metrodome Hilton Hotel. Please mark your calendars.

LOADING DOCK

The loading dock of Borlaug Hall (south end of first floor) has apparently become the garbage dump for those of you who can't read. Recycling containers have been provided and are clearly labeled for these items:

- Newsprint
- Office paper
- Aluminum beverage cans
- Glass beverage containers
- Batteries

No provisions have been made for broken laboratory glassware, broken equipment, cardboard boxes, chemical catalogs, old books, pots, etc.

DO NOT PUT THESE ITEMS IN THIS AREA. If you persist in doing this garbage dumping, we will lose this recycling opportunity.

SPECIAL SEMINAR

Cathie Martin from the John Innes Institute, England will give a seminar at 3:30 p.m. on August 17, 1992 in Room 335 Borlaug Hall. The title of her seminar is "Finding the Function of Transcription Factors in Plants." For more information contact Bob Gast at 5-9239.

PLANT BREEDING GRADUATE STUDENTS

Please turn in your responses for the Summer Plant Breeding Tour to Deon Stuthman or Jean Swanson by August 17 to let them know if you are going on the tour.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Physicist or chemist in an academic professional position. Kamil Ugurbil, Department of Biochemistry, University of Minnesota, Minneapolis, MN.
- Non-Tenure-leading Research Associate;
- Integrated Weed Management Scientist, Assistant Professor;
- Cropping Systems Specialist, Assistant Professor;
- Robert C. Shearman, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, NE.
- Assistant Plant Breeder II. Mike Bjarko, Busch Agricultural Resources, Inc., Fort Collins, CO.
- Graduate Research Assistant. J. Brad Murphy, Department of Horticulture & Forestry, University of Arkansas, Fayetteville, AR.
- Research Director. Gerard Donnelly, Director, The Morton Arboretum, Lisle, IL.
- Extension Agronomists for Alfalfa production and forage systems. James Hill, Department of Agronomy and Range Science, University of California, Davis, CA.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 21, 1992

ACCESS TO THE CAMPUS DURING THE MINNESOTA STATE FAIR

The dates for the 1992 Minnesota State Fair are Thursday, August 27 through Monday, September 7. During this time access to the St. Paul Campus will be restricted during off working hours and weekends. Following is a list of streets and access points that will be closed and the times of the closings.

The gates in the following locations will be locked by the U of M Police Department at 6:00 p.m. and opened at 6:00 a.m. of each normal work day. These gates will remain locked on weekends and holidays.

Street intersections closed during off work hours:

- Larpenteur & Gortner
- Gortner & Commonwealth
- Roadway between Ag. Engineering and Classroom Office Building
- Boyd and Commonwealth (access to Large Animal Hospital only)
- Folwell & Cleveland

Note: use this access to campus during off hours. This gate will be attended by an individual authorized to allow access only to those showing a valid University of Minnesota ID.

Buford Avenue, in front of the Student Center, will continue to serve as the exit from campus.

The purpose of the above restrictions during fair week is to provide protection for the campus and the University Community. Please call 4-3550 or 5-5235 if you

have any questions.

PARKING PASS

The fluorescent pink U of M vehicle pass is missing from the main office. If you were the last one to use it please return it to 411 Borlaug Hall. Thank you.

NSF

The National Science Foundation is proposing new grantee conflict rules which for the first time will ask grant applicants for information regarding any financial relationships they have to firms that could benefit from their work. Please see Jeanne Davy for details presented in the Federal Register.

WORK / RESEARCH POSITION WANTED

I am a University College student having designed my degree in Agricultural and Food System Sustainability. My degree focuses on some of the relationships between farmers, consumers, industry, researchers, and policymakers, and also the issues that these relationships can create. As a part of my learning, I would like to gain some "hands-on" and/or research experience related to sustainability concerns in crops, livestock, food, and/or policymaking. St. Paul Campus preferred. Available early mornings, mid-days, and evenings. Please contact Evrett Lunquist at 722-6395.

FALL QUARTER

Changes to the Fall class schedule are available in 411 Borlaug Hall.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Dean for planning, program development and administration. Search Committee, College of Education Dean's Office, University of Minnesota, Minneapolis, MN.

-Postdoc position in advanced analysis genetic marker/performance pedigree data. Stephen Smith, Pioneer Hi-Bred, Johnston, Iowa.

miw
1/20/92

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 28, 1992

UPS FORMS

ATTENTION: UPS forms are not being filled out correctly.

The CUFS number needs to be put on the form along with a name and telephone number of who is sending the package.

THANK YOU!

COFFEE SERVERS

Where are the coffee servers? If you have them or have seen them, please return to 411 Borlaug Hall.

THANK YOU!

PARKING DURING STATE FAIR

In addition to the lot located at Commonwealth and Cleveland being reserved for faculty and staff until 9:00 a.m. each morning during State Fair, Lot 175, located at Dudley and Cleveland, will be reserved for faculty and staff **ALL DAY** as a \$1 lot. You must show your I.D. when entering both of these parking lots.

CALL FOR PREPROPOSALS

University of Minnesota Sea Grant Program. Deadline Date: September 30, 1992.

Midwest Plant Biotechnology Consortium. Deadline Date: October 1, 1992.

Department of Agriculture, Alternative Agriculture Research and Commercialization (AARC) Center, Cooperative Agreement Program. Deadline Date: October 30, 1992.

CALL FOR PROPOSALS

Graduate School Grant-in-Aid Research proposals are due October 5, 1992.

North Central Soybean Research Program. Deadline Date: October 27, 1992.

See Jeanne for detailed information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Organizer and Research Associate in Sustainable Agriculture, Center for Rural Affairs, Hartington, Nebraska.
- Assistant Professor, Forage Ecology, Agronomy and Soils Department, Auburn University, Alabama.
- Assistant Professor, Soil Microbiology/Microecology, Agronomy and Soils Department, Auburn University, Alabama.
- Assistant Professor, Soil Fertility - Vegetable Crops, Agronomy and Soils Department, Auburn University, Alabama.
- Laboratory Technician Senior, Agricultural Research, Virginia State University, Petersburg, VA.
- Research Assistant, Agronomic Weed Control Research, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.
- Chief Diagnostician for the Plant Disease Clinic, Dept. of Botany and Plant Pathology, Oregon State University, Corvallis, OR.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 11, 1992

OPEN HOUSE

University Stores will host an open house at the Radisson Hotel Metrodome, September 16, 1992 from 10:00 a.m. to 3:00 p.m. Lunch will be served from 11:30 a.m. to 1:00 p.m. Visitors will be able to see many of the products available through University Stores. Door prizes will be given away. Everyone is invited.

ANNUAL TRAVEL AWARDS, 1992-1993

Agnes Hansen Award - Applications Due October 1, 1992

Xi Chapter of Sigma Delta Epsilon has established awards in memory of Agnes Hansen and Mary Haga to defray some costs of female graduate students for travel to national or other major scientific meetings where they are presenting the results of their research. Any female graduate student in Minnesota engaged in scientific research is eligible to apply, but preference will be given to active members of Xi Chapter, SDE. See Jeanne Davy for further details.

GRADUATE STUDENTS

U of M Computer Services will be providing free accounts for electronic mail beginning soon. You will be able to receive and send electronic messages around the USA and the world. We have a modem on the IBM A in the Computer Room, so it would be easy to connect once you open your account. For more information call St. Paul Computer Services.

MISSING PICTURE

Did someone borrow the Graduate Student group photo that was on the wall opposite the main office? Please return the photo or contact Lynne if you are using it for something. Thank you.

1992 FALL FIELD DAYS

Morris - September 15
8:00 a.m. to 12:00 noon

Lamberton - September 16

Waseca - September 17
The Corn and Soybean field day at Waseca will be held from 8:30 a.m. to 2:30 p.m. There will be tours of plots, clinics and exhibits. Lunch will be available from 11:00 a.m. to 1:30 p.m.

1992-93 COA FACULTY ASSEMBLY MEETINGS

Fall Quarter - (Agenda items due November 20)
Thursday, December 10, 1992
10:00 a.m. to 12:00 noon
(9:30 - 10:00 a.m. Reception)

Winter Quarter
Wednesday, March 17, 1993
10:00 a.m. to 12:00 noon
(9:30-10:00 a.m. Reception)

Spring Quarter
Wednesday, June 9, 1993
10:00 a.m. to 12:00 noon
(9:30-10:00 a.m. Reception)

Please mark your calendars. All meetings are scheduled in the St. Paul Student Center Theatre.

PESTICIDE CONFERENCE

The latest research on health effects from pesticide exposure in the workplace will be discussed at a conference in St. Paul on September 24 and 25, 1992. The conference is for physicians and other health providers in primary care, but it's also designed for anyone working in agriculture and other industries. Meetings will be held at the Earle Brown Center. It is a two-day meeting. There will be a variety of speakers. Pick up registration materials from Deb in 495 Borlaug Hall (Plant Pathology). Cost is \$195. Ask about government rates.

MPBC

Midwest Plant Biotechnology Consortium announces a competition for institutional mini-grants to encourage interdisciplinary cooperation on research on energy from biomass. Proposals must be received by Monday, October 5, 1992.

GRANT PROPOSALS

Increasing Soybean Oil, Fat and Protein Content RFP 9301-9303; North Central Soybean Research program (NCSR). Deadline: October 27, 1992.

Low Input Sustainable Agriculture (LISA) and Agriculture in Concert with the Environment (ACE), USDA/CSRS/EPA, North Central Region. Deadline for full proposals is January 15, 1993.

COFFEE SERVERS

Please check around your office and lab to see if you can find the two gold colored, thermal coffee servers. Please return them to the main office immediately. We need them whenever we have meetings. Thank you.

CBS SEMINARS

The seminars will be starting up again for Fall Quarter. If you have seminar listings for that quarter already prepared, please send them to "Seminar", Biological Sciences, 123 Snyder Hall. Please note that if you have listings for the upcoming weeks, make sure you send them to the Dean's office by 12:00 noon on the Wednesday preceding the next seminar mailing. Call Judith Milliken at 624-2244 for more information.

LAND STEWARDSHIP PROJECT

Greetings from your friends at LSP. LSP is celebrating its 10th anniversary with a celebration and conference the weekend of November 14-15, 1992. Hopefully you will be able to attend. The location is the Ramada Inn and Conference Center (formerly McQuires) in Arden Hills. Please encourage attendance at this special event among your students. Since the sustainable agriculture movement is growing in acceptance, and with major issues such as healthy food, rural development, etc., being in the public eye, hopefully some students will be interested in participating. Conference registration forms can be found in 411 Borlaug Hall.

EXCHANGE PROGRAM

The University of Minnesota and the German Academic Exchange Service will continue their reciprocal exchange agreement for the 1993-94 academic year. You may nominate two advanced graduate students (preferably Ph.D. candidates) for ten months of research at an appropriate institution of higher education in the Federal Republic of Germany. Applications should be submitted to the Graduate School Fellowship Office. Deadline is October 1, 1992.

NEW OFFICES

Alumni Relations has moved from 100 Morrill Hall to 501 Coffman Union as of September 1, 1992. The main telephone number 624-2323, fax number 626-8167, and toll-free number 800-62-ALUMS will remain the same, but individual staff telephone numbers will be changed soon.

NEW STUDENT

Please welcome Flavio Capettini to the department. Flavio is from Uruguay and will be working toward the M.S. in Plant Breeding with Donald Rasmusson. Flavio's office is 303 Agronomy Building.

STUDENT ORIENTATION

The annual new student orientation for Graduate Students in the Department is scheduled for Friday, September 18, 1992 at 9:30 a.m. in 306 Borlaug Hall.

HOT DOG FEED

The Gopher Crops and Soils Club is gearing up for Fall Quarter. Mark your calendars for Wednesday,

September 30, 1992 for the Annual Hot Dog Feed. Faculty and undergrad students are encouraged to attend. This gives everyone an opportunity to get acquainted.

GRAD STUDENT PHOTOS

Graduate Students - Remember that if you are approaching completion of your degree you should schedule an appointment at the Photo Lab, 125 North Hall, 624-6773, to have your picture taken for the wall in 306 Borlaug Hall. Check with Judy Slyter in 406 Borlaug Hall to pick up a form to take along to the Photo Lab.

UPDATING ADDRESSES

Faculty - if you have a new address or telephone number for any alumni from our department please be sure to pass this information on to Lynne Medgaarden in 302 Agronomy Building so that we may keep our records up-to-date.

JOB NOTICES

If you are looking for a job, remember notices for jobs are also posted on the bulletin board outside of the Departmental Library. We have jobs posted for people at the B.S., M.S. and Ph.D. levels.

TOURS OF EASTCLIFF

House and grounds of Eastcliff, the president home, will be open for public tours September 22 and 23 and October 1 from 9:00 a.m. to 3:00 p.m. Reservations are required. Call Claudia Wallace-Gardner at 627-6800.

BARBARA MCCLINTOCK

Geneticist Barbara McClintock died September 2, 1992 at the age of 90. She won a Nobel Prize for discovering that genes can move from one area on the chromosomes to another, a finding that now helps molecular biologists identify, locate and study genes. Barbara was only the third woman to win the Nobel Prize for solo work. The other two were Marie Curie of France for discovering radium and Dorothy Crowfoot Hodgkin of England for discovering the structure of penicillin. Dr. McClintock celebrated her 90th birthday in June of this year and at that time was presented a book to which colleagues and friends had contributed chapters discussing their associations with her through the years. Dr. Charles Burnham contributed to this book.

TWINS GAME

Graduate students are invited to attend the baseball game of the Minnesota Twins vs. the Chicago White Sox on Tuesday, September 29, 1992 at 6:00 p.m. Cost is \$4.00. If you plan to attend contact Kendell Hellewell in 413 Agronomy Building. Meet in front of Borlaug Hall and rides will be provided.

FALL QUARTER SCHEDULE

Fall Quarter 1992 begins on Thursday, September 24, 1992.
-Thanksgiving, November 26-27
(University closed)
-Study Day, December 5
-Final Exams, December 7-12
-End of Fall Quarter, December 12

LIBRARY

Faculty, staff, students: If you have any ideas, thoughts, or suggestions for improvements or changes to the Departmental Library (304 Agronomy Building), please give them (in writing) to Lynne in 302 Agronomy Building. Thank you.

GRAD CLUB OFFICERS

For your information, the Departmental Grad Club Officers for 1992-93 are as follows:
President - Todd Krone
Vice President - Brett Bussler
Treasurer - Phil Schwab
Secretary - Sandra Milach
Liaison Committee - John Lindquist, Yangping Zhu, Todd Krone and Jonathan Shaver.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Associate - Biogeochemist. J.T. Touchton, Agronomy and Soils Department, Auburn University, AL.
-Postdoctoral Breeder/Geneticist. Head, Human Resources, International Institute of Tropical Agriculture, Ibadan, Nigeria.
-Cooperative Extension Educators. Cornell University, Ithaca, NY.
-1) Vice Provost for the University Outreach & International Programs, 2) Vice Provost for Research & Dean of the Graduate School, 3) Vice President for Information Systems, and 4) Dean of the College of Human Resources. E. Fred Carlisle, Virginia Tech, Blacksburg, VA.

-Assistant Director - Soil Management CRSP. Roger G. Hanson, North Carolina State University, Raleigh, NC.
-Postdoctoral Research Associate. Edzard van Santen, Department of Agronomy and Soils, Auburn University, AL.
-Research Assistant. John Enz, North Dakota State University, Fargo, ND.
-Supervisory Veterinary Medical Officer. USDA, APHIS, Examining Unit, Minneapolis, MN.
-Assistant Continuing Education Specialist. Margaret Mattlin, Extension Classes, University of Minnesota, Minneapolis, MN.
-Assistant Station Manager, Pioneer Hi-Bred International, Inc. Managing a commercial corn breeding program. M.S. degree in plant breeding or B.S. with demonstrated skills and experience, Garden City, KS.
-Research Technician, Pioneer Hi-Bred International, Inc. Corn breeding program, Garden City, KS.
-Crop Management Specialist, Farmland Industries. Retail sales and agronomist, Des Moines, IA.
-Research Assistant, Agronomic Weed Control Research (grass seed crops, 100% research, full-time, 12 month academic appointment at Oregon State University, Corvallis, OR.
-Manager/Instructor or Assistant Professor. Dale Reeves, South Dakota State University, Brookings, SD.
-Research Associate II. Steven Jungst, Department of Forestry, Iowa State University, Ames, IA.
-Curator I. Peter Bretting, Department of Agronomy, Iowa State University, Ames, IA.

MIW
9/29/86

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 18, 1992

NEW BABY

Congratulations to Aluizio and Laura Oliveira on their baby boy born on Thursday, September 17, 1992 at 5:30 p.m. Andrei weighed 8 lbs., 4 oz., 21" long.

FAREWELL COFFEE

There will be a farewell coffee for Randy Hautea on Thursday, September 24, 1992 at 3:00 p.m. in 306 Borlaug Hall.

ARE YOU MOVING?

Professional quality moving boxes, used once, enough for a small household - free! Leave a note in my mailbox soon if you're interested.

Peggy Egli

TWINS GAME

Graduate students are invited to attend the Minnesota Twins vs. the Chicago White Sox baseball game on Tuesday, September 29, 1992 at 6:00 p.m. Cost is \$4.00. Please let Kendell Hellewell know if you are going by Friday, September 25. He also needs to get the money by that date and if you are able to drive.

VEHICLE

The Dodge Caravan #2514 has been replaced with a new '93 Dark Green Grand Caravan #2188. Sign out is in Marilyn's office (408 Borlaug Hall) as before.

FRANKLIN DAY PLANNER

Sign up in the main office to order your refill.

PLANT BREEDING GRADUATE STUDENTS

So far only three of you have contacted me about giving a plant breeding seminar this Fall. If you should be on the list for Fall please let me know or Jean Swanson Thank you.

All graduate students: There are still several good T.A. opportunities for this Fall Quarter. Please let me know or Jean Swanson if you are interested. Thank you.

Deon Stuthman

FACULTY

Please make sure that Jeanne and/or Judy receive copies of any correspondence related to grant awards, grant extensions, etc. for the departmental file.

PROPOSALS

Proposals for Competitive Grants in (IPM) for the North Central Region are due October 9, 1992. For specific details contact Jeanne Davy.

PPI FELLOWSHIPS

Fellowships of \$2,000 each will be awarded to deserving graduate students in Soil and Plant Science by the Potash & Phosphate Institute. Applications are available in 411 Borlaug Hall. Application materials must be submitted by January 15, 1993.

REMINDERS:

Notice to all faculty, civil service, graduate students and undergrad staff:

ITEM #1 - Any vehicle checked out of the departmental pool must be returned in a clean condition, and with a full tank of gas. If vehicles are returned filthy and with tanks on empty then whoever had the vehicle will be charged for cleanup and a full tank of gas.

ITEM #2 - Anybody in the CROP SERVICE Building after 4:00 P.M. WEEKDAYS and on weekends PLEASE make sure that all DOORS ARE CLOSED, LIGHTS ARE TURNED OFF, AND THE EXHAUST SYSTEM IS SHUT OFF. ALSO, CLEANUP AFTER YOURSELF AFTER WORKING IN THE CROP SERVICE AREA.

ITEM #3 - ALL PERSONNEL THAT WORK IN THE GREENHOUSES AND HEADHOUSE AREAS PLEASE CLEANUP AFTER YOURSELVES WHEN YOUR DONE. THIS HELPS TO LESSEN THE INSECT PROBLEM AND TO KEEP THINGS IN ORDER FOR VISITORS AND STUDENTS.

ANY QUESTIONS OR COMMENTS CALL MIKE AT 5-1784 or PAM at 5-6756.

**REQUEST FOR
RESEARCH PROPOSALS**

American Soybean Association has called for requests for research proposals in several specific areas -- please see Jeanne Davy for details and grant application forms. The deadline is October 15, 1992.

CONGRATULATIONS

Dr. William Fenster has been named the Director of the Office of International Agriculture Programs.

Dr. Mark Brenner is now Associate Vice President for Research as well as Associate Dean of the Graduate School.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Associate. R. Ward and J.T. Ritchie, Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI.

-Assistant Continuing Education Specialist. Margaret Mattlin, Extension Classes, University of Minnesota, Minneapolis, MN.

-Postdoc Research Associate. Patrick Schnable, Department of Agronomy, Iowa State University, Ames, IA.

-Postdoc Research Associate. Randy Shoemaker, Department of Agronomy, Iowa State University, Ames, IA.

-Extension Rice Specialist/Research Assistant Professor. Lanny Ashlock, Monticello, AR.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 2, 1992

CONGRATULATIONS

Larry L. McKay, Professor and Kraft General Foods Chair in Food Science, Department of Food Science and Nutrition, will receive the 1992 Alexander von Humboldt Foundation Award at a luncheon to be held at the Campus Club on October 9, 1992. Dr. McKay is being recognized for his research on plasmid biology and development of gene transfer systems in lactic acid bacteria and for the characterization of genetic systems governing important metabolic properties vital to the function of these microorganisms in food.

CAMPUS POST OFFICE

Campus mail is now accepting checks for postage on an experimental basis. If everything goes well, it will become a permanent policy. The check you write is to be made directly to the Post office. Therefore they have some very specific requirements for us to follow when accepting checks. If these requirements are not met, then the University has to absorb any loss incurred. The requirements are: •Checks payable to "Postmaster"; •Exact amount only; •No checks accepted for money orders; •Customer's name and complete address preprinted on check; •Must have driver's license, state - issued non-driver I.D., military I.D. or passport; •Address on I.D. must match the check; •Current phone number on check. All of these conditions must be met to have your check accepted.

WINROCK INTERNATIONAL

Winrock International has a Farmer-to-Farmer Program and is looking for expert volunteers in crop production and pest management for 3 to 6 weeks in Central America, Southern and Western Africa, Eastern Europe and the former Soviet Union. The program pays air travel, lodging, and meals. If interested in volunteering, contact:
Andy Martinez, Ph.D.
Farmer-to-Farmer Program
Director
Winrock International
Petit Jean Mountain
Morrilton, AK 72110-9537
(501) 727-5435
D.R. Hicks

FACULTY

We have several students looking for part-time work on research projects, etc. If you are in need of a student please let Vern Cardwell or Larry Smith know and we will refer these students to you. Thank you.

MWHE SCHOLARSHIPS

The Minnesota Women in Higher Education Scholarship is a \$750 annual award made to an outstanding female graduate student interested in pursuing a career in higher education as faculty, staff, or administrator. Students eligible for this scholarship will be actively involved, through service and/or scholarly activity, in enhancing the status of women in higher education. Candidates must have completed two graduate courses and achieved a minimum graduate GPA of 3.50 on a 4.0 scale. A candidate for this award does not have to be a member of MWHE. For more

information and application forms, see Jeanne Davy. Deadline is November 15, 1992.

SLIDE TRAYS

Several slide trays and a tripod are missing from the Agronomy Teaching lab. If you have borrowed any of these items, please return them as soon as possible as we need them for seminars and classes.

VEHICLES

Any project that would like to put a vehicle on the University auction list should do so by November 1, 1992. Call Mike at 5-1784 for details about the procedure or call Bill Roberts at 5-8020 at Fleet Services.

BOOKS FOUND

Two books were returned to the departmental library that do not belong there. Is anyone missing:
•Illustrated Taxonomy Manual of Weed Seeds by Richard J. Delorit.
•Weeds of the North Central States?
Please see Lynne in 302 Agronomy Building if these are your books.

STUDENT LIAISON

Megan Moynihan has been named as the new student member of the Graduate Student Liaison Committee. Other committee members are: Todd Krone, John Lindquist, and Yangping Zhu.

E.C. STAKMAN AWARD LECTURE

Biotechnology and third world agriculture. Luis Sequeira in 33 McNeal Hall on October 8, 1992. Reception will start at 3:15 p.m. in McNeal Hall Lobby.

LUCE SCHOLARS PROGRAM

The University of Minnesota has been invited by the Henry Luce Foundation in New York to submit one or two nominees to the competition for the Luce Scholars Program. Through this unique program, young Americans with high leadership ability are given the opportunity to spend a year in the Far East as professional apprentices under the guidance of leading Asian professionals. The distinguishing feature of the program is that it is directed toward students or junior faculty in any field (except Asian Studies) who have not had significant exposure to Asian culture. The expectation is that, having experienced a new culture, they will ultimately enhance Americans' understanding of the East. Applications forms are available in 411 Borlaug Hall or you can contact the Graduate School Fellowship Office at 625-7579.

CLOVIA BAZAAR

Clovia Bazaar will be held on Friday, October 16 from 10:00 a.m. to 7:00 p.m. and Saturday, October 17 from 9:30 a.m. to 12:00 noon. It will be held at the North Star Ballroom, 2nd floor, St. Paul Student Center. Quality handcrafted gifts, crafts, imports, and much more.

WATERING

Just a reminder: Pam will be gone October 5 and 6. All projects must do their own watering.

AGRONOMY SEMINARS

All Agronomy Seminars will be videotaped this year. If you miss a seminar and would like to view the video, see Doug Buhler. We will keep a tape of each seminar for two weeks following the presentation.

SEMINARS

- Mon., October 5 Plant Breeding
A new agenda for plant breeding. Deon Stuthman in 306 Borlaug Hall at 3:30 p.m.
- Soil Science
The dynamics of soil quality as a measure of sustainable management. Bill Larson in 375 Borlaug Hall at 3:00 p.m.
- Tues. October 6 BPTI
Hyper-reiterated DNA regions are conserved among *Bradyrhizobium japonicum* serocluster 123 strains. Adam Judd in 239 Gortner Lab at 4:30 p.m.
- Plant Bio. Sci. Colloq.
Genetics and molecular aspects of the developing maize endosperm. Richard Kowles in 335 Borlaug Hall at 3:30 p.m.
- Wed. October 7 Agronomy
Interdisciplinary research and education? James Anderson (Soil Science) in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Associate or Full Professor of Plant Breeding. Ronald Cantrell, Iowa State University, Ames, IA.
- Cooperative Extension Educators. Michael Duttweiler, Cornell University, Ithaca, NY.
- Director, Sustainable Agricultural Production and Development Program. Unidad de Recursos Humanos, Turrialba, Costa Rica.
- Research position in soybean genetics. Allan Barta, Department of Agronomy, Ohio State University, Wooster, Ohio.
- Assistant or Associate to the Dean for Administration for the College of Architecture and Landscape Architecture (CALA). Roger Clemence, College of Architecture and Landscape Architecture, University of Minnesota, Minneapolis, MN.
- Associate Dean and Director of Academic Programs. Barbara Scott, College of Agriculture and Home Economics, Washington State University, Pullman, WA.
- Associate Dean and Director of Cooperative Extension. Barbara Scott, College of Agriculture and Home Economics, Washington State University, Pullman, WA.
- Faculty position in Molecular Biology and Nutrition Science. Charles Arntzen, Institute of Biosciences and Technology, Texas A&M University, Houston, TX.
- Fellowships in weed science. Michael Braverman, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA.

Major Holidays (all campuses)

Thanksgiving Day
Christmas Day
New Years' Day
Martin Luther King's Birthday
Memorial Day

November 26, 1992 (Thursday)
December 25, 1992 (Friday)
January 1, 1993 (Friday)
January 18, 1993 (Monday)
May 31, 1993 (Monday)

Floating Holidays (Twin Cities)

November 27, 1992 (Friday)
December 23, 1992 (Wednesday)
December 24, 1992 (Thursday)

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 25, 1992

THANK YOU

Thanks to all for the lovely flowers sent to me after my operation. They were a real treat to receive and added great color to our home!

Vicky Mackerman

We would like to voice our appreciation for the beautiful flowers we received for the arrival of Andrei. Mom and Andrei are doing fine. Thanks.

Lu and Laura Oliveira

I want to take this opportunity to thank the staff from the department who helped with our Fall Crops and Soils Field Day. In spite of threatening rain which never occurred, we had over 200 visitors attend. Dale Hicks, Jim Orf, Lee Hardman, and Craig Sheaffer always make a good presentation. We had some good comments about the speakers and the content of the talks, such as: "this was one of the best fall days." Thanks again for your help in our Fall Field Day. Without the help of the department we could not put on a good field day.

Dennis Warnes

Thanks to all of you for your hospitality during my recent return to my *Alma Mater*. I very much enjoyed meeting with all the staff members who took time to talk with me. I look forward to the opportunity of returning your hospitality whenever any of you are in Australia.

R.J. Lawn

AUTO ACCIDENT

Tae San Kim, a former graduate student from our department, had a bad auto accident in Korea which put him and his whole family into the hospital and almost destroyed his car. It happened on August 26 during his family's vacation. They spent almost three weeks in the hospital.

STATE OF THE UNIVERSITY ADDRESS

You are cordially invited to attend President Nils Hasselmo's State of the University Address. It will be held on Monday, October 5, 1992 at 4:00 p.m. at Cowles Auditorium, Hubert H. Humphrey Center, 301 19th Avenue South, Minneapolis Campus. A question-and-answer period will follow the speech. Refreshments will be served in the atrium after the address.

FAREWELL CELEBRATION FOR WALLY NELSON

You are invited to attend a reception to celebrate Wally's 44 years of distinguished service to the University of Minnesota and to the Southwest Experiment Station. It will be held on Friday, October 9, 1992 from 3:00 to 4:30 p.m. in the Cherrywood Room at the St. Paul Student Center. Please join us to say farewell to Wally and Arlene and to extend Best Wishes for their retirement.

WELCOME

Please welcome Javad Feghahati to the department. He is a student from South Dakota State University where he is working towards his

Ph.D. He will be here Fall Quarter taking classes. He is studying Purple coneflower for pharmaceutical and insecticide value, and genetic variation amount population of this species in the United States. He is studying the populations from a few states. His office is 200 Agronomy Building.

AIR CONDITIONING SHUT-DOWN

Facilities Management will be turning off the cooling system during the week of October 5 in the Crops Research Building - 389 and Borlaug Hall - 429.

WOMEN IN AGRICULTURE SCIENCE

Our first meeting of the fall will be on Tuesday, September 29, 1992 at 12:00 noon in 491 Borlaug Hall. We will briefly review our last year's activities and determine our directions for this year. Bring your lunch and join us for discussion. If you can't make the meeting but are interested in seeing some particular topics brought up, please let Beth Schreiber know. All are welcome!

GOPHER CROPS & SOILS CLUB

Mark you calendars for Wednesday, September 30, 1992 for the Annual Hot Dog Feed at 5:00 p.m. Faculty and undergrad students are encouraged to attend. This gives everyone an opportunity to get acquainted.

COMPUTERS

The University of Minnesota has just signed a contract with

MacWAREHOUSE'S Education Sales Division. Their catalogs are available in 408 Borlaug Hall for purchasing PC and Macintosh products at significant savings. For ordering details see Marilyn.

TLJ ENTERPRISES

Typing, Editing and Desktop Publishing.

- Dissertations and student papers
- Grant applications, proposals, reports
- Newsletters, brochures

Terry L. Johnson, 722-2524

SEMINARS

Monday, Plant Breeding
September 28 Transposable elements: implications in plant breeding. Sandra Milach in 306 Borlaug Hall at 3:30 p.m.

Tuesday, Plant Bio. Sci. Colloq.
September 29 Copy number and expression of chloroplast genes in chlamydomonas. Karen Kindle in 335 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Superintendent at Alabama Agricultural Experiment Station, Auburn University. James S. Bannon, E.V. Smith Research Center, Shorter, AL.

-Associate Director for Agriculture and Natural Resources. David E. Foster, Cooperative Extension Service, Little Rock, AR.

-Turfgrass Research/Teaching position. Dale M. Maronek, Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 9, 1992

MISSING

The extension office is missing one of their portable voice amplifiers. If anyone has borrowed it, please return it to Room 217 Agronomy right away. Thank you.

Plant Pathology is missing a hydrogen gas cylinder from Chemical Stores. If you use hydrogen cylinders please check the cylinder number and tag number. The cylinder number is 16583 with a tag number of U3870. If you have seen this cylinder or accidentally used it - please contact Janell Johnk at 625-4204 or 624-2291.

WOMEN IN AGRICULTURAL SCIENCE

On Tuesday, October 13, 1992 Dr. Carol Miller, Associate Professor in American Studies, will meet with us to discuss diversity within the University of Minnesota. Dr. Miller has developed case studies that challenge us to think about diversity in new ways. Our discussion may include a consideration of one of her case studies. All are welcome. Bring your lunch and join us in Room 491 Borlaug Hall for a stimulating discussion. Upcoming meetings: Tuesday, October 27 we will have our FALL POTLUCK. Mark your calendars.

NEW DEPARTMENT HEAD

Professor Vance Morey has accepted the position of Department Head for Agricultural Engineering, effective October 1, 1992. Professor Fred Bergsrud has been the Interim Head over the past year.

He has represented the department extremely well and has kept it moving forward throughout the year.

KOLSHORN MEMORIAL LECTURE

Gorillas and their forests: conservation status and strategies. Dr. Amy Vedder, Biodiversity Program Coordinator, Wildlife Conservation International, will discuss the current population status and distribution of gorillas across Africa and describe the threats to their survival. It will be held on Monday, October 26, 1992 at 8:00 p.m. in the Student Center Theater, St. Paul Campus. Admission is free-free parking available in Lot 101. Sponsored by the Department of Fisheries and Wildlife, U of M.

CONFERENCE

The First Annual Conference for Working Women: Leadership for the '90s. A live, interactive videoconference from PBS and AMA by satellite. It will be held on Wednesday, October 14, 1992 from 12:00 - 2:00 p.m. in the St. Paul Student Center Theater. Bring your own bag lunch - beverages will be provided. Small group discussions will be held immediately after the conference. For more information call Susan Jarosak at 625-5756.

SEMINARS

Mon., Plant Breeding
October 12 Allelopathy and plant breeding. Steve Plehn in 306 Borlaug Hall at 3:30 p.m.
Soil Science
Field characterization of Sparta Sand hydrology including solute transport. Birl Lowery in 375 Borlaug Hall at 3:00 p.m.
Plant Molec. Genet.
Regulation of *Agrobacterium* virulence gene expression. Anath Das in 306 Borlaug Hall at 12:00 noon.

Tues. Plant Bio. Sci. Colloq.
October 13 Molecular genetics of gibberellic acid action. Neil Olszewski in 335 Borlaug Hall at 3:30 p.m.

Wed. Agronomy
October 14 Introduction of new oil seed crops into Pakistan. Dan Putnam 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Agricultural Officer. Central Recruitment, Personnel Division, Rome, Italy.

-(3)Research Associate Positions. Kenneth Knutson, Colorado State University, Department of Horticulture, Fort Collins, CO.

AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 16, 1992

SCIENCE IN AG. STUDENT

Jeff Hegstad, a senior with a major in Science in Agriculture with an area of emphasis in Agronomy, needs a mentor and a topic for his senior thesis. This is a nine credit effort and is intended to introduce the student to the area of research and technical writing. Students often take two to three quarters - or longer to complete their thesis. Jeff has just transferred to the COA from U of M - Morris so he's getting a late start on his thesis. If you would be willing to advise Jeff and have a possible research topic please let me know by Thursday, October 22, 1992. Thank you.

Larry Smith

UNDERGRADUATE AND GRADUATE STUDENTS

MUCIA International Development and Education Internships. Objective: Provide experience in development related activities to students and thereby encourage their interests in careers in international development and education. Majority of the intern sites will be with agencies located in and around Washington, D.C. Internship period: June-September (12 weeks). See Larry Smith for additional information and/or application forms. Due date: November 23, 1992.

INTERNATIONAL EDUCATION

The Office of International Education has sent us copies of a booklet called, "Funding for Dissertation Research Abroad." Check with Lynne in 302 Agronomy if you would like a copy.

AG CAREER DAY

The COA "Ag Career Day '92" is scheduled for Wednesday, October 21 from 10:00 a.m. to 3:00 p.m. in the Northstar Ballroom, St. Paul Student Center. Over 60 businesses and organizations have indicated that they plan to attend this year's event. Undergrad, graduate students, and faculty members are encouraged to attend.

FRANKLIN DAY PLANNER

Sign up in the main office to order your refill.

VISITOR

I just learned that Sue Sullivan of ICI will have to leave the ASA meetings early and therefore will not visit the department on November 6. We will however re-schedule her visit as soon as convenient.

Deon Stuthman

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Scientist studying problems in plant cell and/or developmental biology. John R. Pringle, University of North Carolina, Department of Biology, Chapel Hill, NC.

-Fellowships available at University of North Carolina for graduate students in plant molecular biology.

SEMINARS

Mon., October 19 Plant Breeding
An analysis of CIMMYT's wheat breeding strategy to develop widely adapted germplasm. Kendell Hellewell in 306 Borlaug Hall at 3:30 p.m.
Soil Science
Freezing phenomena in soils. Egbert Spaans in 375 Borlaug Hall at 3:00 p.m.

Tues. October 20 Plant Bio. Sci. Colloq.
Gibberellins -- the future! Bernard Phinney in 335 Borlaug Hall at 3:30 p.m.
BPTI
Advances in premature termination; bioengineering of medium chain fatty acid production in bacteria and plants. Tony Voelker in 239 Gortner Lab at 4:30 p.m.

Wed. October 21 Agronomy
ASA practice sessions.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 23, 1992

CONGRATULATIONS

Congratulations to Marilyn Hole who was promoted to Accounts Specialist and to Mark Matteson who was promoted to Assistant Scientist.

GET-TOGETHER

Wine and cheese get-together will be held on Friday, October 30, 1992 at 3:00 p.m. in 306 Borlaug Hall. Faculty, visiting faculty, postdocs, graduate students and civil service are all welcome. Wine, cheese, coffee, and apple cider will be served.

DAYLIGHT SAVINGS TIME

Set your clocks back one hour on Sunday, October 25, 1992.

GRANT PROGRAM

Minnesota Crop Improvement Association has initiated a grant program to support research on agronomic crop variety development. Approximately \$100,000 will be available to researchers this year. The due date for submission of applications is December 18, 1992. Please see Jeanne Davy for further information.

EMPLOYEE BENEFITS INFORMATION FAIR

Employee Benefits fair will be held on the St. Paul Campus on Wednesday, November 4, 1992. Carrier representatives and health screenings will be available in the North Star Ballroom of the Student Center from 10:00 a.m. to 3:00 p.m.

WOMEN IN AGRICULTURAL SCIENCE

The next meeting will be on Tuesday, October 27 at 12:00 noon in 491 Borlaug. We will be having a fall potluck, so bring something to share. On November 24, Dr. Pat Fraser will lead a discussion on "Fear of Success." A reading is available in the WIAS file in the Plant Pathology Library. All are welcome!

DECISION CASES

Melvin Stanford, Kent Crookston, Steve Simmons, and Dave Davis have completed a book: Decision Cases for Agriculture, published by the Program for Decision Cases, College of Agriculture, University of Minnesota.

DEADLINE

We have received the most recent edition of Deadline. Deadline is a quarterly listing of sponsored program deadline information from ORITA. Please check with Jeanne Davy if you would like to see this publication edition.

OPEN HOUSE

The Raptor Center will have an open house on Sunday, October 25, 1992 from 1:00-4:00 p.m.

NORTHWEST SHEEP DAY

Northwest Sheep Day at the Northwest Experiment Station, University of Minnesota, Crookston is set for Wednesday, November 4, 1992. Registration and refreshments begin at 9:30 a.m. in the auditorium of the Agricultural

Research Center. Dr. Harvey Windels will present an in-depth discussion of "Out-of-Season and Accelerated Lambing" - the potential, pros and cons, breed effects, synchronization and ram management. For further information contact Dr. Harvey Windels at 218-281-6510 ext. 469.

INTERCULTURAL ENCOUNTERS

The third Intercultural Encounters conference will be held on the St. Paul Campus on Saturday, November 7, 1992. The theme is "The Challenge of Difference at Home and Abroad." This is a one-day conference for students, staff, faculty, and other interested in intercultural issues. It will focus on the inevitable encounter with human difference that characterizes our daily lives, both within the United States and when crossing national borders. Sessions take different forms, from small-group discussions to videos and role playing. The cost including lunch and child care is \$3.00. Registrations including lunch and child care must be made by November 4, 1992. For information call Inge Steglitz at OIE, 625-2010.

YOU CAN'T BE TOO CAREFUL:

Merlyn Valan, assistant commissioner of agriculture, on the futility of trying to do something about the weather -- "The one time I prayed for rain we got 12 inches in 36 hours. I told God, 'From here on, you run your own show'."

M.I.S.A.

Agronomy and Plant Genetics Seminar on the Minnesota Institute for Sustainable Agriculture. The objective of this meeting is to give the Agronomy and Plant Genetics faculty and representatives of MISA the opportunity to meet and discuss the structure and function of the Minnesota Institute for Sustainable Agriculture. It will be held on Tuesday, November 10, 1992 at 8:00 a.m. in 306 Borlaug Hall. Faculty, students, and staff are all welcome.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Professor and Head, Department of Crop Science. Daniel L. Solomon, Department of Statistics, North Carolina State University, Raleigh, NC.

-Assistant Professor of Agronomy, Soil Chemistry (tenure-track); Assistant Professor, Agricultural Meteorology (tenure-track); Assistant Professor, Soil Fertility (tenure-track); Assistant/Associate Professor, Forage Physiology-Utilization (tenure-track). Ronald Cantrell, Department of Agronomy, Iowa State University, Ames, IA.

-Dean, College of Agriculture, Applied Sciences and Technology. Director of Personnel, Lincoln University, Jefferson City, MO.

-Dean of Research. Richard A. Lutz, Cook College, Rutgers, The State University of New Jersey, New Brunswick, NJ.

SEMINARS

Mon., **Plant Breeding**
October 26 Characterization of oat haploids and their progeny. Doug Davis in 306 Borlaug Hall at 3:30 p.m.

Forest Resources

Considering clumpiness of species in forest area estimation. Terese Walsh in 203 Green Hall at 3:00 p.m.

Soil Science

Dry runs oral ASA presentations.

Tues., **Plant Bio. Sci. Colloq.**
October 27 Photosynthesis and nutrient status in contrasting Amazonian rain forest communities. Peter Reisch in 335 Borlaug Hall at 3:30 p.m.

BPTI

Endocrine animal cell cultures in bioprocessing and tissue engineering: potential and limitations. Thanassis Sambanis in 239 Gortner Lab at 4:30 p.m.

Wed.
October 28 **Agronomy**
Rising levels of carbon dioxide in the atmosphere and its effects on crop plants. Mauro Teixeira in 306 Borlaug Hall at 3:30

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

November 13, 1992

CONGRATULATIONS

Melvin Stanford received the Curtis E. Tate, Jr., Outstanding Casewriter Award for 1992 at the Annual Meetings of the North American Case Research Association in New Orleans on November 5, 1992. Basis for the award was the case, "Bermo, Inc.," which was judged the best case presented at the 1991 annual case symposium. Also receiving the Tate award was the co-author of the Bermo case: Shailendra Jha of Wilfrid Laurier University, Waterloo, Ontario, Canada. The Tate award is sponsored by Irwin Publications, Inc.

SLOPPY JOE LUNCH

The 10th annual sloppy job lunch and turkey raffle will be held on Thursday, November 19, 1992 from 12:00 noon to 1:00 p.m. in 306 Borlaug Hall. Lunch is \$2.00 and raffle tickets are \$.50. Raffle tickets are available from the grad students. Everyone is welcome.

STUDENT-STAFF DIRECTORIES

The new 1992-93 Student-Staff Directories are in. Please bring your old directory to 411 Borlaug Hall to be recycled and pick up a new.

WATER QUALITY GRANT

USDA-CSRS-Water Quality Grants Program for 1993 - Due date for receipt of applications, December 21, 1992. See Jeanne Davy for further information and application material.

TRAVEL

University of Minnesota has named Carlson Travel Network as one of their preferred travel management companies. They provide:

- Reduction of paperwork.
- Carlson Travel Network delivers tickets daily from our on campus office: Carlson Travel Network, Radisson University, 615 Washington Avenue (612) 379-8421; (612) 379-8447 (FAX).
- Carlson Travel Network has the best technology in the industry and can guarantee the lowest airfares, hotel and car rental rates.
- Carlson Travel Network has agreed to return a portion of your travel budget to the University which will be credited to your department.
- Free car and hotel coupons and upgrades are available through Carlson Travel Network University Office. See Judy Slyter if you have any questions.

CERES SOCIETY MEETING

Ceres and Minneapolis Grain Exchange invites you to the Ceres Society meeting on Monday, November 16, 1992 from 5:00 to 7:00 p.m. at the Grain Exchange Building in Minneapolis. The topic of the evening will be "International Opportunities for Agricultural Volunteers." Cost is \$12.00 and includes a buffet dinner. Please R.S.V.P. by November 9 (1-800-450-5643). The CERES Society is a program of Minnesota Rural Futures. It is designed for women in professional agricultural careers. Past Ceres events have included panels on Women in Commodity Trading, Creating a New International Market Structure and

State of the Art Research. Ceres is designed to provide educational and social opportunities for women in agriculture. The 1991 sessions were interesting and informative, and provided a chance to meet other women with similar careers.

NEW COURSE

Environment and World Food Production, AnPl 3010. Steve Simmons, Section 1 (St. Paul Campus): 9:35-11:15 T; Th - Call no. 518419; Section 2 (Minneapolis Campus): 12:20-2:00 T; Th. Call no. 918420.

THEFT

A wallet was stolen from the Entomology Department on November 10 at 3:00 p.m. Please put your purses, wallets and backpacks in a safe place.

FOR SALE

A good size humidifier is for sale for \$45.00-\$50.00. Call Jayanti at 625-1208 or 483-2828.

SEMINARS

Mon.,
Nov. 16

Plant Breeding

Changes in gene expression of wheat containing the short arm of chromosome 1 of rye. Doug Bittel in 306 Borlaug Hall at 3:30 p.m.

Soil Science

Getting to the root of N-transfer - a matter of life and death? Markus Dubach in 375

Borlaug Hall at 3:00
p.m.

Tues.,
Nov. 17

Plant Bio. Sci. Colloq.

Expression of
mitochondrial genes in
Neurospora crassa.
Robert Brambl in 335
Borlaug Hall at 3:30
p.m.

Agronomy

Special Seminar:

The use of economic
thresholds in weed
management. Alex
Martin at 3:30 p.m. in
408 Agronomy
Building.

Entomology

Endocrinology of the
monarch butterfly. Bill
Hermann at 3:15 p.m.
in 490 Hodson Hall.

BPTI

Prodrug activation by
catalytic antibodies.
Carston R. Wagner at
4:30 p.m. in 239
Gortner Lab.

Wed.,
Nov. 18

Agronomy

Nitrogen fixation and
nodulation of non-
legume plants. Yanping
Zhu at 3:30 p.m. in 306
Borlaug Hall.

POSITION ANNOUNCEMENTS

Complete copies of all
position announcements can
be found at the front desk in
411 Borlaug Hall.

- Soil Physicist. Stephen E. Williams, Department of Plant, Soil and Insect Sciences, University of Wyoming, Laramie, WY.
- Extension Specialist in Weed Science. D.A. Lee, Department of Agronomy, University of Illinois at Urbana-Champaign, Urbana, IL.
- Breeding Research Technician. Bioscience Section Secretary, ICI Seeds, Slater, IA.
- Assistant Professor of Soil Microbiology. William Inskip, Plant and Soil Science Department, Montana State University, Bozeman, MT.
- Director, National Center for Agricultural Utilization Research. Lee Triplett, USDA, ARS, Greenbelt, MD.
- Biochemist/Biophysicist. John Lipscomb, Department of Biochemistry, University of Minnesota, Minneapolis, MN.
- Research Assistant and Post-doctorate Research Associate. Gerry Posler, Department of Agronomy, Kansas State University, Manhattan, KS.
- Fellowships in Plant Molecular Biology. Joyce Clayton, Department of Genetics, North Carolina State University, Raleigh, NC.
- Biochemist. Kamil Ugurbil, Center for Magnetic Resonance Research, University of Minnesota, Minneapolis, MN.
- Systems Agronomist. National Agricultural Research Project in Kenya, University of Missouri.
- Geneticist (Plants). Martin M.

Sachs, USDA-ARS, Urbana, IL.



AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026



October 30, 1992

NEW BABY

Congratulations to Oscar Riera and Chanté McCoy on their baby boy born on Monday, October 19, 1992. Richard Simon weighed 7 lbs., 9 oz., 22" long.

AWARD RECIPIENT

Congratulations to Ervin A. Oelke who was the 1992 recipient of the (MES) Director's Award to Distinguished Faculty. He is credited with conducting research and leading extension efforts to bring Minnesota to the forefront of spring wheat production and establishing a commercial wild rice industry that has added millions of dollars to the state's economy. He was presented the award at the annual staff development conference on October 26, 1992.

Congratulations to Wally Nelson who was awarded the Extension Service Director's Award for Distinguished Contributions. He was cited for his long-time support of the statewide extension service, his leadership in extension agriculture programs in southwestern Minnesota and his mentoring of new MES agriculture agents in the counties near Lamberton. He was presented the award at the annual staff development conference.

GET-TOGETHER

Wine and cheese get-together will be held today at 3:00 p.m. in 306 Borlaug Hall. Faculty, visiting faculty, postdocs, graduate students and civil service are all welcome. Wine, cheese, coffee, and apple cider will be served.



CLEAN

Please clean your labs and common area around you by today. There will be many visitors to the Department next week during the ASA meetings. Thank you.

ASA OPEN HOUSE PROGRAM

SUNDAY, NOVEMBER 1, 1992

1:45 p.m. - Board buses at Convention Center

2:10 p.m. - Arrive Borlaug Hall - Divide into two groups

2:15-3:15 p.m. - Group A (Tour 1)

•An overview of the Department (306 Borlaug Hall)

•Welcome and introduction - R. Kent Crookston

•Perspectives on value added plant breeding - Jim Orf

•MN Institute of Sustainable Ag. - Don Wyse

•Plant Biotechnology - Howard Rines

Group B (Tour 2)

•Agronomy and Plant Genetics Facilities - Ron Phillips and/or Robert Jones

•Borlaug Bust

•Growth chamber room

•Grain drill

•Undergraduate teaching lab - Larry Smith

•335 Borlaug Hall

•RFLP Mapping - Ron Phillips

•Photo gallery - 408 Agronomy

•5th Floor labs

3:15-4:15 p.m. - Group A-Tour 2
Group B-Tour 1

5:00-7:00 p.m. - Minnesota Reception (Foyer-Borlaug Hall)

WORKSHOP

Bush Faculty Development Program on Excellence and Diversity in Teaching presents a workshop "Syllabus Design Conversation: Philosophies of Teaching." It will be held on November 10 from 2:00 to 4:00 p.m. in the Earle Brown Center in room 42.

CROPS CONTEST

Four undergraduate students will compete in this year's Crops Contests for the University of Minnesota-Twin Cities Campus: Teresa Koubsky, James Krebsbach, Todd Robran, and Shawn Miller. They are coached by Vern Cardwell. The Upper Midwest Regional Crops Contest will be held here in the Agronomy Building on Saturday, October 31, 1992. We will be hosting teams from UM-Crookston, SDSU, UW-Platteville, and UW-Riverfalls. The American Royale Collegiate Crops Contest will be held at Kansas City, Missouri on November 17, 1992. The National Collegiate Crops Contest will be held at Chicago on November 21, 1992. John Goodding has been assisting and will fill in as coach during the ASA meetings. These students and coaches work long hours to represent the University and the Department in these contests. We wish them good luck.

STEAM SHUT OFF

To All Occupants of 370 A-C Greenhouses:

Steam will be shut off November 5, 1992 from 8:00 a.m. to 6:00 p.m. Please contact Pam at 5-6756 if this is a problem or try contacting Mike at 5-1784.





LOST GLASSES

Abdul Kamanzi has lost his prescription glasses either in the computer room or one of the offices. If anyone finds them please call Abdul at 5-9760 or bring them to 236 Borlaug Hall. Thank you.

RECYCLING

You may now include glass in any barrel on campus that collects cans.

FOR SALE

A good size humidifier is for sale. Call Jayanti at 625-1208 or 483-2828 if you are interested.

MISSING

One leather jacket that was lost outside somewhere around the greenhouse and the Crops Research Building. If anyone finds the jacket please turn it in to 411 Borlaug Hall.

FUMIGATION

The two back rooms of the Crop Service Building will be fumigated during the Thanksgiving break. Anyone wishing to get seed stocks fumigated should place the samples in the room with the racks or in the room directly to the south. Only these two rooms will be fumigated this year. Seed should be placed in these areas by 4:30 p.m. on Tuesday, November 24, 1992. Any questions call Mike at 5-1784.

STORAGE AREA

On Monday, November 2, the fairgrounds storage area will be available to the Agronomy Department once again for vehicle and equipment storage. Any project

wishing to store vehicles or equipment call Mike at 5-1784 to make the necessary arrangements. Would like to have everything that needs to be stored by December 1, 1992.

SPECIAL SEMINAR

Alternative molecular markers for plant breeding. J.P. Gustafson at 2:00 p.m. in 306 Borlaug Hall on November 6, 1992.

SEMINARS

Mon., Plant Breeding
Nov. 2 ASA meetings.

Soil Science
ASA meetings.

Tues. Plant Bio. Sci. Colloq.
Nov. 3 Genes in wood formation and genetic mapping in forest trees. Ron Sederoff at 3:30 p.m. in 335 Borlaug Hall.

Entomology
Utilization of integrated pest management strategies for control of greenhouse pests. John Lloyd at 3:00 p.m. in 490 Hodson Hall.

BPTI
Cloning and disrupting a fragment of the methymycin synthase gene of *Streptomyces venezuelae*. Ying Ding at 4:30 p.m. in 239 Gortner Lab.

Genetic analysis of



pRS01: A conjugative plasmid in *L. lactis* ML3. David Mills at 4:30 p.m. in 239 Gortner Lab.

Wed. Agronomy
Nov. 4 ASA meetings.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Project Leader - Beginning Farmer Sustainable Agriculture Project. Chuck Hassebrook, Center for Rural Affairs, Walthill, NE.

-Faculty position in plant developmental biology. Jeff Bennetzen, Department of Biological Sciences, Purdue University, West Lafayette, IN.

-Coordinator of Practical Training and Education. Jackelyn Lundy, Agroecology Program, University of California, Santa Cruz, CA.

-Assistant Professor. Chair, Landscape Ecology Search Committee, Department of Horticultural Science, University of Minnesota, St. Paul, MN.

-Assistant or Associate Professor (Soybean Physiology), Research and Teaching. John T. Gilmour, Department of Agronomy, University of Arkansas, Fayetteville, AR.

-Graduate Research Assistantships in Soil Microbiology and Forest Soils; Seed Crop Physiology; Soil/Water/Chemical Interactions; Crop Science; Soil Science, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Cooperative Extension Educators. Staff Development and Recruitment,



Cornell University, Ithaca, NY.

-Internships available at Rodale
Institute Research Center in
Kutztown, PA.

-Assistant Professor, Extension
Food Safety. William Schafer,
Department of Food Science and
Nutrition, University of Minnesota,
St. Paul, MN.

-Extension Specialist (Weed
Science-IPM). D.A. Lee,
Department of Agronomy,
University of Illinois at Urbana-
Champaign, Urbana, IL.

-Soil Physicist. Stephen Williams,
Department of Plant, Soil and Insect
Sciences, University of Wyoming,
Laramie, WY.



During a dark, scary night in
October

Lots of little children came over

They said, "Trick or Treat,"

Thought the cookies were neat,

Until they realized they were for
Rover.

G.I.G.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

November 6, 1992

NEW BABY

Congratulations to Baoshan and Shuping Shan on their baby boy born on Wednesday, October 28, 1992. Yuli weighed 6 lbs., 1 oz., 20" long.

CONGRATULATIONS

Congratulations to Kathleen Storey who has been promoted to the rank of Scientist.

Congratulations to Todd Frank who was elected vice president of section A-1a student activities subdivision of ASA for 1992-93.

SKI SWAP

Bring in your ski equipment you want to sell on November 9 and 10 to the North Star Ballroom, St. Paul Student Center. Sale days will be November 11-13 from 9:00 a.m. to 8:00 p.m.

CLASS SCHEDULES

Winter quarter class schedules are here. Check with Lynne in 302 Agronomy Building.

DECISION CASES

Ann Duin and Steve Simmons received a \$20,931 grant from the Minnesota Department of Education for further study, design, implementation, and evaluation of "Decision Cases for Nutrition Education."

NEW COURSE

Biotechnology: Basic Concepts and Applications, ScAg 1500. An introductory course about genetic engineering and its impact on people

and society. Winter Quarter, three credits, Tuesday & Thursday, 1315-1430, 110 Green Hall, St. Paul Campus.

EXTENSION CLASSES

New starting dates for mail registration are listed below for Extension classes registration.

Winter Quarter - November 2-December 16

Spring Semester - November 2 - February 3

Spring Quarter - February 1-March 17

SEMINARS

Mon., Nov. 9 Plant Molecular Genetics
Hsp28, a small heat shock protein of *Neurospora crassa* by Norbert Hopf, and Fatty acid modification of cytochrome c oxidase subunit 1 in *Neurospora crassa* by Alexei Vassilev.
Seminars will be held at 12:00 noon in 306 Borlaug Hall on November 9, 1992.

Plant Breeding
CIMMYT's germplasm program. Bent Skovmand in 306 Borlaug Hall at 3:30 p.m.

Soil Science
Modeling mineral

weathering rates. Eyasu Mekonnen in 375 Borlaug Hall at 3:00 p.m.

Tues., Nov. 10 Plant Bio. Sci. Colloq.
A view of the ends: Structure and function of telomeres in yeast and algae. Judith Berman in 335 Borlaug Hall at 3:30 p.m.

Entomology
Allergins and the entomologist. Jon Sagers at 3:15 p.m. in 490 Hodson Hall.

Wed., Nov. 11 Agronomy
Environmental assessment for release of an exotic pathogen of the European corn borer. David Ragsdale at 3:30 p.m. in 306 Borlaug Hall.



POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Chairperson of the Department of Plant Science and Technology. Larry Powers, North Carolina A&T State University, Greensboro, NC.

-Postdoc position in plant biochemistry/molecular biology. Raymond Chollet, Department of Biochemistry, University of Nebraska, Lincoln, NE.

-Scientist in plant molecular biology. Jeff Palmer, Department of Biology, Indiana University, Bloomington, IN.



Agronomy & Plant Genetics Seminar . . .

THE MINNESOTA INSTITUTE FOR
SUSTAINABLE AGRICULTURE

Donald Wyse and
M.I.S.A. Board Members

Tuesday

November 10

8:00 a.m.

Room 306 Borlaug Hall

An opportunity for the Agronomy & Plant Genetics faculty and representatives of MISA to meet and discuss the structure and function of MISA.



AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

November 25, 1992

CONGRATULATIONS

Congratulations to Jeanie and Steve Katovich on their baby boy born on Saturday, November 21, 1992. Eric Steven weighed 8 lbs., 6 oz., 21" long.

Congratulations to Nick Haugerud and Bill Rooney on passing their Ph.D. exams.

STUDENT-STAFF DIRECTORIES

Please bring your old directory to 411 Borlaug Hall to be recycled and pick up a new one.

CONGRESSIONAL SCIENCE FELLOWSHIP 1993-1994

The American Society of Agronomy invites applications for two 1993-1994 Congressional Science Fellowships. The Fellows selected will spend up to 15 months in Washington, DC, applying their professional and scientific expertise as special assistants on the staffs of members of Congress, Congressional committees, or governmental agencies. Placement is generally in September but is open to negotiation. The program is aimed at highly qualified and interested persons in early or mid-career. Candidates must be a Society member; have exceptional competence in some area of the agronomic, crop, soil, weeds, or related fields of science and education. Further details are available from the American Society of Agronomy, 677 S. Segoe Road, Madison, WI 53711-1086.

SEMINARS

Mon., Plant Breeding
Nov. 30 Oat B-glucan and cholesterol content in humans. Cindi Ripsin in 306 Borlaug Hall at 3:30 p.m.

Tues., Plant Bio. Sci. Collo.
Dec. 1 Sucrose synthase, starch accumulation and tomato fruit development. Fei Wang in 335 Borlaug Hall at 3:30 p.m.

Wed., Agronomy
Dec. 2 The center for alternative plant and animal products. Ervin Oelke at 3:30 p.m. in 306 Borlaug Hall.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Interim crops and soils agent. Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

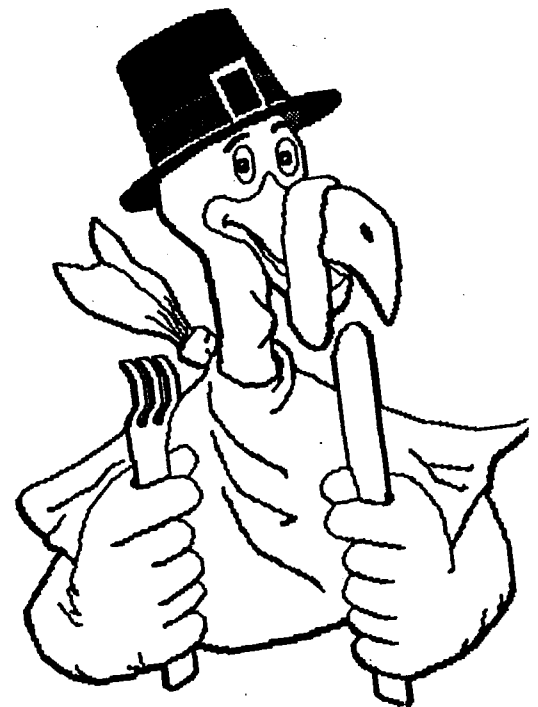
-Graduate Assistantship. James J. Doolittle, Plant Science Department, South Dakota State University, Brookings, SD.

-Postdoctoral scientist. Rebecca Grument, Horticulture Department, Michigan State University, East Lansing, MI.

-Cropping Systems Agronomist; Resource Economists; Leader, Humid Forest Program; Cowpea Breeder; Biotechnologist; Leader, Maize Improvement Program; Postdoctoral Fellow, Maize Breeding Genetics;

Cassava/Plantain Breeder; Banana/Cassava Breeder. Head, Human Resources, IITA, L.W. Lambourn & Co., Croydon, England.

-Dean of the College of Agriculture. Search Committee, Office of the Provost, University of Wyoming, Laramie, WY.



Happy Thanksgiving

AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

November 20, 1992

THANK YOU

The Agronomy and Plant Breeding Grad Club would like to thank the staff, faculty, and students who attended the Turkey Raffle and Sloppy Joe lunch. With your support the group is able to provide farewell mugs and to fund social events. Thanks!

ASA BOARD OF DIRECTORS

At its meeting on Friday, November 6, 1992, the ASA Board of Directors officially expressed its thanks to the University of Minnesota for being an excellent host for the ASA meetings. Thanks to everyone for your effort in making the meetings a good experience for the attendees. We received many compliments about our programs and facilities and our helpful spirit. Your effort in accommodating the many needs of our visitors is greatly appreciated. You may be interested to know that we now hold the all-time attendance record for ASA meetings, topping the record attendance established at New Orleans in 1986 by two. There were 5027 attendees here and 5025 in New Orleans. Future meetings are scheduled for - Cincinnati (1993), Seattle (1994), St. Louis (1995), San Antonio (1996), and Anaheim (1997).

WELCOME

Please welcome Karen Wasiluk, a new postdoc in Dr. Robert Jones' lab.

PARKING PASS

The fluorescent pink U of M vehicle pass is missing from the main

office. If you were the last one to use it please return it to 411 Borlaug Hall. Thank you.

HOLIDAY PARTY

The department holiday party is scheduled for Friday, December 18, 1992 from 3:30 to 6:00 p.m. in 306 Borlaug Hall. Current and retired department personnel and guests are invited to join in a celebration of the holiday season. Cost is \$3.00/adult.

BOOKS FOR CHILDREN NEEDED

U of M faculty and students are sponsoring a program called "Food for Thought." They will accept donations of new or slightly used books for homeless and needy children, from toddlers through teenagers. If you would like to donate books please bring them to the St. Paul Student Center information desk through December 4, 1992. The books are intended to be given as Christmas gifts to children. They will be distributed through homeless and family shelters and through non-profit agencies. If you want you may bring books to Lynne in 302 Agronomy and she will see that they are delivered. For more information about "Food for Thought" contact Jan Joannides at 626-9582.

WOMEN IN AGRICULTURAL SCIENCE

There is a meeting on Tuesday, November 24 at 12:00 noon in 491 Borlaug Hall. The speaker is Pat Fraser and the title of her talk is "Fear of Success." There is relevant reading on reserve in the

Plant Pathology Library. Bring your lunch and join us.

REMINDER

On WEDNESDAY, NOVEMBER 25, the east rooms of the Crop Service Building will be fumigated. Any project that needs seed samples fumigated should have their samples in the middle of either room by 4:30 p.m. on Tuesday, November 24. At 4:30 p.m. on November 25, all entrances to the Crop Service Building will be locked until 8:00 a.m., Monday, November 30. There will be absolutely no access to the Crops Service Building during this time period. On Wednesday, November 25, there should be only limited activity in the Crop Service Building area between 8:00 a.m. and 4:30 p.m. This is to help the fumigators work more efficiently. Please call Mike McClellan at 5-1784 if you have any questions.

ATTENTION GRADUATE STUDENTS

Agro 8340, Directed Studies for Thesis Research, is not listed in the Winter 1993 class schedule. This course is intended for both Agronomy and Plant Breeding graduate students. The call number for registration is 120495. If you have questions please see Lynne Medgaarden, Bob Stucker or Craig Sheaffer. Thank you.

The meeting site for Agro 8000, Supervised Teaching Experience, Winter Quarter 1993, has been moved from 409 Borlaug Hall to 306 Borlaug Hall, Tuesdays 12:50-2:30 p.m.

Application information for the 1993 Computation Science Graduate Fellowship Program sponsored by the U.S. Department of Energy is available. The program is administered for DOE by Ames Laboratory. Fellowships are awarded for one-year renewable terms from September 1 through August 31 in support of full-time graduate study and thesis research in the U.S. Study and research under the fellowship is to be conducted in the applied science and engineering disciplines with applications in high-performance computing. Applications and information is available from: Computational Science Graduate Fellowship Program, Ames Laboratory, 124 Wilhelm Hall, Ames, Iowa 50011 or call (515)-294-5230.

SPECIAL SEMINAR

Dr. David Malehorn of the Monsanto Agricultural Company, will be visiting the University of Minnesota. He will be presenting a seminar entitled "Characterization and expression of an antifungal protein gene from *Zea mays*" on Monday, November 30, 1992 at 2:45 p.m. in 306 Borlaug Hall. The seminar is cosponsored by the Department of Plant Pathology and the Plant Molecular Genetics Institute. Anyone wishing time to speak with Dr. Malehorn should contact Debby Samac at 625-1243.

HOLIDAY

The University of Minnesota will be closed November 26-27, 1992 for the Thanksgiving holiday.

TLJ ENTERPRISES

Typing, Editing, and Desktop Publishing.

- Dissertations and student papers
 - Grant applications, proposals, reports
 - Newsletters, brochures
- Call Terry Johnson at 722-2524.

SEMINARS

Mon.,
Nov. 23

Plant Breeding

Cytological and molecular determination of species relationships. Shahryar Kianian in 306 Borlaug Hall at 3:30 p.m.

Soil Science

Nitrogen fixation using different reference crops by N¹⁵ method. Gustavo Bernal in 375 Borlaug Hall at 3:00 p.m.

PLANT MOLECULAR GENETICS

The regulation of the release of genetically engineered organisms in Minnesota. John Hynes in 306 Borlaug Hall at 12:00 noon.

Tues.,
Nov. 24

Entomology

What it takes to turn a fly's head: neural control of head movement in flies. Cole Gilbert in 490 Hodson Hall at 3:15 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-President and Chief Executive Officer. Chairman, Presidential Search Committee, Winrock International, Morrilton, AR.

-Assistant Professor. Genetics Search Committee, Department of Botany, University of Vermont, Burlington, VT.

-Assistant Professor - Environmental Horticulturist. Ed Gilman, Department of Environmental Horticulture, University of Florida, Gainesville, FL.

-Interim Crops and Soils Agent in Manitowoc County. CE Personnel, Cooperative Extension, University of Wisconsin, Madison, WI.

-Plant Cell Biologist. Wayne Becker, Department of Botany, University of Wisconsin, Madison, WI.

-Assistant Professor of Plant Science - Winter Wheat Breeding/Genetics. Fred Cholick, Department of Plant Science, South Dakota State University, Brookings, SD.

-Extension Program Leader and District Director. Leslee Mason, Minnesota Extension Service - Human Resources, University of Minnesota, St. Paul, MN.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

December 4, 1992

CROPS CONTESTS

Four undergraduate students competed in this year's Crops Contests for the University of Minnesota-Twin Cities Campus: Teresa Koubsky, James Krebsbach, Todd Robran, and Shawn Miller. They were coached by Vern Cardwell and assisted by John Goodding.

The University of Minnesota-Twin Cities Campus Crops Team participated in the American Royale Collegiate Crops Contest at Kansas City, Missouri on November 17, 1992. The team placed 4th in Seed Identification, 5th in Seed Analysis, 3rd in Grain Grading, 4th overall as a team. Shawn Miller placed 4th, James Krebsbach placed 9th and Todd Robran placed 10th in individual Grain Grading. Todd Robran placed 9th and James Krebsbach placed 10th in overall competition.

The team also participated in the National Collegiate Crops Contest at Chicago on November 21, 1992. They placed 2nd in Seed Identification, 6th in Seed Analysis, 6th in Grain Grading and 6th overall as a team. Todd Robran placed 6th, James Krebsbach placed 8th and Shawn Miller placed 9th in individual Seed Identification, Todd Robran placed 8th and Shawn Miller placed 10th in individual Seed Analysis, Todd Robran placed 6th in Grain Grading, and in overall competition. Congratulations.

REMINDER

Monday, December 7, 1992 is the MERKTA Training Program. It is required by law that all Agronomy Personnel view these films once a year. Sign in and the pizza lunch will start at 11:30 a.m. Program starts at **12:00 noon sharp** in 335 Borlaug Hall. The sign in sheets and pizza will be at the rear of 335 Borlaug Hall.

CIVIL SERVICE AND USDA STAFF

A meeting will be held for all Civil Service and USDA staff on Tuesday, December 8, 1992 at 9:30 a.m. in 306 Borlaug Hall. We will discuss possible changes to the Civil Service Award and any other topics which you may wish to bring up. Plan to come and have coffee and cookies with your fellow staff members and Kent Crookston.

GRANT INFORMATION

Environmental Protection Agency - Notice solicits preapplications from institutions to support projects to design, demonstrate or disseminate practices, methods, or techniques related to environmental education and training. Preapplications are due January 15, 1993.

USDA is soliciting proposals on the preharvest elimination of aflatoxin. Proposals are due January 15, 1993.

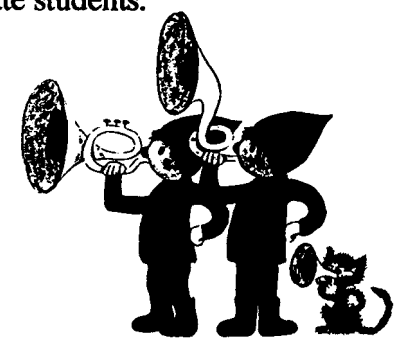
Contact Jeanne Davy for detailed information.

BEEF CATTLE DAY

The 25th annual Beef Cattle Day at the Northwest Experiment Station is set for Tuesday, December 8, 1992. Registration and refreshments begin at 9:30 a.m. in the auditorium of the Agricultural Research Center, University of Minnesota, Crookston. The meeting will run from 10:00 a.m. to 3:00 p.m. For more information call Harvey Windels at 218-281-6510, ext. 469.

HOLIDAY PARTY

The department holiday party is scheduled for Friday, December 18, 1992 from 3:30 to 6:00 p.m. in 306 Borlaug Hall. Current and retired department personnel and guests are invited to join in a celebration of the holiday season. Cost is \$3.00/adult and will be accepted by Marilyn Hole in 408 Borlaug Hall. You are invited to bring your favorite holiday snack or holiday sweet treat. Special entertainment will be provided by the departmental graduate students.



COMO POST OFFICE

The Como Post Office is staying open longer for holiday mailing. They are open from 8:30 a.m. - 6:00 p.m., Monday through Friday, and 9:00 a.m. - 1:00 p.m. on Saturday.

FAMILY LECTURE

Karlis Kaufmanis, professor emeritus of astronomy, will give a family lecture on "The Star of Bethlehem," December 13 at 3:00 p.m. at the Bell Museum auditorium. It is free for museum members, \$3.00 for nonmembers. For more information call 624-1852.

WATERING

Pam will be gone on Friday, December 11, 1992. All projects must do their own watering.

IOM's RETURN OF TALENT

Information on employment opportunities in Africa and Latin America for professionals who wish to return to their home country and work after they complete their university degrees here in the U.S. is available in 411 Borlaug Hall.

SEMINARS

Mon.,
Dec. 7

Plant Molecular Genetics

Genetic dissection of multigenic disease resistance. Nevin Young at 12:00 noon in 306 Borlaug Hall.

Wed.,
Dec. 9

Agronomy

Midwest site evaluation area research project (MSEA). Robert Dowdy at 3:30 p.m. in 306 Borlaug Hall.

Thurs.,
Dec. 10

Entomology

Genetic diversity in wild and cultivated potatoes and the discovery and use of resistance genes. John Hawkes at 3:15 p.m. in 490 Hodson Hall.

Abigail Smith Adams

Abigail Smith Adams, born November 20 in Weymouth, Mass., in 1744, married John Adams. She thus eventually became the wife of one president and the mother of another, a feat as yet unduplicated in the annals of the United States. She also became the first major spokeswoman for the cause of women's rights. After the declaration of independence was signed she wrote her husband, "In the new code of laws which I now assume will be needed, please give a thought to the ladies and see to it that it is put beyond the power of the vicious and lawless . . . to treat us with cruelty and indignity with impunity. Don't forget that all men would be tyrants if they could."

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Forage Production and Utilization-Sustainable Agriculture Systems Specialist. Elmer L. Ashburn, Plant and Soil Science, The University of Tennessee, Knoxville, TN.

-Crop Physiologist/Agronomist. Robert Hayes, West Tennessee Experiment Station, The University of Tennessee, Jackson, TN.

AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

December 11, 1992

THANK YOU

Thank you to all faculty and graduate students. I would especially like to thank Dr. Phillips, Dr. Stucker, Shahryar Kianian and Oscar Riera. I had a very good quarter and it was more than I expected.

Javad Feghahati

HOLIDAY PARTY

The department holiday party is scheduled for Friday, December 18, 1992 from 3:30 to 6:00 p.m. in 306 Borlaug Hall. Current and retired department personnel and guests are invited to join in a celebration of the holiday season. Cost is \$3.00/adult and will be accepted by Marilyn Hole in 408 Borlaug Hall. You are invited to bring your favorite holiday snack or holiday sweet treat. Special entertainment will be provided by the departmental graduate students. Reservations will be accepted until Wednesday, December 16, 1992.

COOKIE PARTY

The office personnel will hold their annual cookie party on Monday, December 21, 1992. Cookies, popcorn, apple cider and coffee will be provided. It will be held in 411 Borlaug Hall in the break room. Everyone is invited.

HORACE T. MORSE

Nominations are being accepted for the Horace T. Morse-Minnesota Alumni Award for Outstanding Contributions to Undergraduate Education. Recipients will receive a \$2500 award each year for three consecutive years. An additional

\$2500 will be given to the department each of these three years for use by the recipient. Nominations must be submitted to the College Office on or before February 8, 1993.

EXEMPT W-4 AND MWR FORMS

Exempt W-4's submitted to payroll in 1992 expire on 2-15-93. To avoid having taxes withheld after that date, new exempt W-4's must be received in payroll by the following dates.

Biweekly Payroll - 4:00 P.M. on
2-9-93
Regular Payroll - 4:00 P.M. on
2-18-93

MWR forms (Reciprocity) expire on 2-28-93. To avoid having Minnesota taxes withheld, new forms must be in payroll by the following dates:

Biweekly Payroll - 4:00 P.M. on
2-23-93
Regular Payroll - 4:00 P.M. on
3-5-93

MWR forms are available from the Minnesota Department of Revenue at the following number (612) 296-3781.

Whenever there's a change in your filing status, exemption allowances, or address, you should file a new W-4 form. If you have any questions, please do not hesitate to contact Payroll at 624-2837.

SINGLE QUARTER LEAVE

The application deadline for 1993-94 single quarter leave is January 22, 1993. Applications should be submitted to Elsie Forrette in the College of Agriculture.

RETIREMENT RECEPTION

Burt Sundquist will be retiring from the Department of Agricultural and Applied Economics on January 1, 1993. A retirement reception will be held on Friday, January 8 in the Minnesota Commons Room of the St. Paul Student Center from 3:30 to 5:00 p.m. Please join us in honoring Burt for his distinguished career at the University of Minnesota.

VEHICLES

The Caravan, Celebrity Wagon and the Buick Century are now in the Crop Service Building for the winter.

FOR SALE: FIVE APARTMENTS IN THE "WHITE CASTLE"

1666 Coffman on Larpenteur Avenue across from the U of M Golf Course has five of its 93 apartments for sale. Real estate agents are asking \$52,500, \$72,900, \$79,900, and \$107,900 for the one-and two-bedroom units. The owner of an especially large two-story unit quotes a negotiable price of \$165,000. 1666 Coffman is not part of nor is it subsidized by the University, but ownership is restricted to present or past U of M civil service or faculty employees who are over 54 years of age.

Bob Robinson

PH.D. THESIS DEFENSE

Characterization of testing sites of uniform regional hard red spring wheat performance nurseries. Abdul Kamanzi in 306 Borlaug Hall at 9:00 a.m. on Friday, December 18, 1992.

WATERING

Pam will be gone today. All projects must do their own watering.

MERTKA TRAINING

Agronomy Personnel who missed the MERTKA Training Program on December 7, can still view the safety films to be in compliance with the law. Contact Teresa Schoeder to schedule a time. The films will be available until Friday, December 18, 1992. It is required by law that all employees view these films.

TEACHING LAB

The Agronomy Teaching Lab is missing:

1. Large piece of heavy glass used for cutting poster board and photos from 207 Borlaug Hall.
2. Slide trays.

If you have any of these items please return **immediately** as we need them now.

FAREWELL COFFEE

A farewell coffee for Bill Rooney will be held on Tuesday, December 15, 1992 at 9:30 a.m. in 306 Borlaug Hall.

HOLIDAY

The University of Minnesota will be closed December 23-25 for the Christmas holiday, and January 1 for the New Year's holiday.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor of Agronomy, Burley Tobacco Production-Management Systems. M. Scott Smith, Department of Agronomy, University of Kentucky, Lexington, KY.

World's Fastest Chip!

a press release

The IBM Zurich laboratory unveiled the world's fastest chip this week. The chip, code named "Timeless", is based on high temperature superconductors and is capable of transferring data signals faster than the speed of light. This makes it possible for a computer based on this chip to produce answers before questions are asked.

Using this technology, the Hursley laboratory has been able to produce a program product before the user requirements were known. Industry analysts found the Hursley announcement humorous, citing that IBM has been writing program products without user requirements for years. Products created using the Hursley method are still expected to miss their ship dates due to the excessive length of the Fall and Spring planning cycles.

The Communication Products Systems Test organization is using the same technology to test program products in zero days. Said a spokesperson in Raleigh, "It's amazing. Just preparing to test the software thoroughly causes it to be tested. It's like the system can read your mind." Oddly enough, planning experts in System Test are reporting that regardless of the productivity gains realized by the Timeless chip, the average test duration is expected to be nine months.

There have been rumors of some odd side-effects

of the Timeless chip. Some customers have been receiving products before they order them. Most customers we interviewed did admit that they were planning to order the new software when it arrived. They said that they liked the speed with which the products arrived, but they disliked IBM's new policy of billing them before they ordered anything. Said an IBM billing expert, "We knew they were going to think about ordering some software, so we thought we would think about billing them."

IBM Service has made some exciting advances in hardware and software maintenance based on these side-effects. IBM Service worldwide has begun a free preventative maintenance program in which the IBM Customer Engineers think about fixing all the problems of every customer. Said an IBM Service representative, "The program is working very well. Service calls are down 99%. The only calls we are getting now are to fix hard-

ware and software that hasn't been invented yet."

If you are thinking of ordering computer systems which uses the Timeless chip, they can be ordered from IBM.

Of course, if you have been thinking about ordering one, it is probably on its way to you right now.

I. B. Lyon <iefbr14@ibm.com>

AGRONOMY GLEANINGS



Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

December 18, 1992

CONGRATULATIONS

Congratulations to Hakima Bahri and Rachid Bouabid on their baby boy born on Sunday, November 15, 1992. Ridwane "Rida" weighed 8 lbs. Mother and baby are doing well.

SOUNDS OF BLACKNESS

The Sounds of Blackness will be performing on the Today Show on Christmas morning.

COOKIE PARTY

The office personnel will hold their annual cookie party on Monday, December 21, 1992. Cookies, popcorn, apple cider and coffee will be provided. It will be held in 411 Borlaug Hall in the break room. Everyone is invited.

BIOC 8225

BioC 8225, Tracer Techniques, lecture and laboratory course in the application of radioisotopes to research in biological systems, normally scheduled for spring quarter, will not be offered in 1993.

Ph.D THESIS DEFENSE

Kura clover management and physiology. Paul Peterson in 306 Borlaug Hall at 9:00 a.m. on Monday, December 21, 1992.

WOMEN IN AGRICULTURAL SCIENCE

Will be meeting on Tuesday, December 22 at 12:00 noon in 491 Borlaug Hall for an informal discussion and holiday cookie tasting. Bring some of your favorite cookies or holiday treats!

TO ALL LABORATORY PERSONNEL

The Recycling Department at the University is concerned about boxes of broken glassware being left at the Borlaug Hall Loading Dock area. Glassware is NOT recyclable. Glassware to be discarded should be taken to the Soil Science Loading Dock area so that it can be picked up by the garbage haulers. If you have questions about what material is recyclable, please call Aaron at 625-8084.

MERCHANDISE

Return merchandise to three companies, Analabs, MCS, and Baxter Scientific have been unclaimed for more than a year and assumed written off as a loss. If your lab can use the merchandise, it is up for grabs. See the boxes marked "RETURNS" in the copy room, 412 Borlaug Hall.

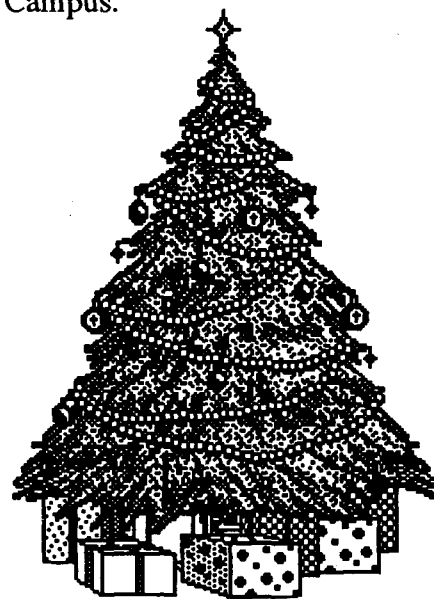
SUMMER RESEARCH PROGRAMS FOR UNDERGRADUATES

The University of Minnesota has a broad spectrum of summer programs that provide research experiences for undergraduates in all areas of biological sciences including chemistry, psychology and engineering. The University of Minnesota provides stipends of \$250/week for undergraduates to participate in research. Over 1,200 faculty in basic and applied research labs are potential mentors for approximately 100 students in the program. The 1993 programs will run from June 14 through August 20, 1993. Application materials can be obtained from the College of Biological Sciences, 123 Snyder

Hall or call (612) 624-2244 for more information.

BOOKSTORE

Holiday discount: Receive a holiday discount of ten percent on new and used textbooks on December 28-31 and January 2 at the Minnesota Book Center and H.D. Smith Bookstore on the west bank and on December 28-31 at the Health Sciences Bookstore and Books Underground on the St. Paul Campus.



Happy Holidays

MIW
2 AgBba

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

January 8, 1993

THANK YOU FACULTY

Thank you very much for the Christmas gift.

Office Staff

Mered Jean
Callie
Jeanne
Vicky
Becky
Sara
Pat
Judy
Ruth
Suzanne
Becky
Marilyn

CONGRATULATIONS

Congratulations to Robert Stucker who was elected Director of Graduate Studies of the Plant Breeding Graduate Program for another three year term.

Congratulations to Jacob Eta-Ndu who passed his Ph.D. oral prelim exam.

Congratulations to Abdul Kamanzi who passed his Ph.D. final exam.

Congratulations to Dennis Dolan on passing his Ph.D. oral prelim exam.

NEW BABY

Congratulations to R.J. Lawn (CSIRO, Australia) and his wife on their new baby boy born on December 1, 1992. Julian Alexander weighed 8 lbs. Mother and baby are both well and have made excellent progress.

HAPPY BIRTHDAY

Dr. Charles Burnham's birthday is January 13. He will be 89. If you wish to send him a birthday greeting his address is: Golden Age Health Center, 1415 W. Co. Rd. B, Roseville, MN 55113.

FACULTY MEETING

The next faculty meeting is on Monday, January 11, 1993 at 1:00 p.m. in 306 Borlaug Hall.

HOLIDAY

The University of Minnesota will be closed on Monday, January 18, 1993, for Martin Luther King's birthday.

COMPUTER ROOM

On Monday, January 4, 1993, the combination to the computer room was changed. The new combination can be obtained at the main office (411 Borlaug Hall).

UNIVERSITY RELATIONS

The University Relations Department, in response to the "The Glory Campaign" (Garrison Keillor) is offering items for sale. The department has ordered a refrigerator magnet for all faculty and staff, as a contribution to this campaign. These should arrive soon. Watch for them in your mailboxes. In addition, an order form will be attached for those who wish to order other items.

PIAP

Request for applications for Fiscal Year 1993 Pesticide Impact Assessment Program (PIAP) has been received. The deadline is

January 15, 1993. See Jeanne Davy for detailed information.

SUSTAINABLE AG STUDY GROUP

The Sustainable Agriculture Study Group meets the second Wednesday of every month at 4:30 p.m. in Room 110 of the St. Paul Student Center. We eagerly and enthusiastically invite students, staff, faculty, friends of all departmental persuasions . . . anyone interested in discussing issues related to sustainability. The next meeting is Wednesday, January 13, 1993 when we will wrestle with identifying facets of sustainability: what is it? what could it be? who says? what are some components of sustainable systems? how might they be affected by locale? Please join us or for more information see Meg in 413 Agronomy Building.

NOTICE

All project vehicles that are not in storage must have an emissions test before January 31, 1993. Call Gary at Minneapolis Fleet Services for appointments and details. His phone number is 5-7817.

REMINDER

The last person to empty the soil cart in the growth chamber potting room in Borlaug Hall should call Pam as soon as possible at 6-6756 so she can get it refilled and steamed so that other people are not kept waiting for soil. Your cooperation will be appreciated. Thank you.

CALL FOR PROPOSALS

Water Resources Research Center, University of Minnesota. Due date is January 21, 1993. Four to five new projects with budgets in the \$20,000 per year range will be awarded. Please see Jeanne Davy for detailed information.

EXPLORATORY ENVIRONMENTAL RESEARCH (EPA)

Scope: The Environmental Protection Agency is seeking applications to conduct exploratory environmental research in biology, chemistry, physics, engineering and socioeconomics.

Deadline: February 1 and August 2.

Grants usually are for \$100,000 a year for two or three years, but the program encourages projects for shorter periods. Funding ranges from \$40,000 to \$150,000 a year.

Investigations should focus on pollution identification, characterization, abatement or control, the effects of pollution on the environment and environmental policy.

See Jeanne Davy if you are interested in obtaining an application.

FOUNDATION AWARD

Nomination for the Alexander von Humboldt Foundation Award are now being accepted. Nominations are due no later than February 26, 1993. A cash prize of \$10,000 will be given to the person chosen as having made the most significant contribution to American agriculture

during the previous five years. Information is posted on the bulletin board outside 411 Borlaug Hall.

PHILIP C. HAMM MEMORIAL SCHOLARSHIP

Two scholarships of \$500 each are available on a merit basis to undergraduate students in the plant sciences and related disciplines from the Philip C. Hamm Memorial Scholarship Program. The purpose of the scholarships is to encourage and reward undergraduate students who show promise as research scientists. A non-renewable scholarship of \$1,000 is available for graduate students. Nominations are due February 23, 1993.

MOTIVATIONAL SPEAKER

The College of Agriculture Student Board and the Ag Ed Club are sponsoring an all-college event next quarter featuring a popular speaker, Greg Cylkowski, who will be speaking about leadership and motivation. All students and faculty as well as all clubs and organizations in the College of Agriculture are invited to attend. The date is Tuesday, January 12, 1993 at 7:30 p.m. in Room 33 McNeal Hall. We hope that this event can be an opportunity for more interaction between the different clubs and departments of the college.

CYLINDERS

Most of the empty cylinders on the Borlaug Hall dock have been removed by the Chemical Storehouse. There is absolutely no reason for a buildup of empty gas

cylinders in this area. It is the responsibility of each project to call Chemical Storehouse and have their empty cylinders removed as soon as possible. The dock area must be kept organized for safety and general housekeeping reasons. Any further questions call Mike at 5-1784.

NORTHWEST MINNESOTA DAIRYMEN'S DAY

The annual Northwest Experiment Station Dairymen's Day will be held on Tuesday, January 12, 1993. Registration along with refreshments will begin at 10:00 a.m. and the educational program will follow at 10:30 a.m. The program will primarily cover the subject of dairy feeding. For further information please call Dr. George Marx at 218-281-6510, ext. 466.

SEMINAR SCHEDULE

Those not at the open seminar session Wednesday, January 6, 1993, where seminar schedules were distributed, may stop by Jean Swanson's desk for a copy.

THEFT

A wallet was stolen last week from the Crops Research Building.

SEMINARS

- Mon. **Plant Pathology**
Jan. 11 Problems of nodulation and N₂ fixation in *Phaseolus vulgaris*. Peter Graham in 365 Borlaug Hall at 3:00 p.m.
- Tues. **Plant Bio. Sci. Colloq.**
Jan. 12 Regulation of fatty acid biosynthesis in plants. J. B. Ohlrogge in 335 Borlaug Hall at 3:30 p.m.
- Wed. **Agronomy & Plant Breeding**
Jan. 13 Breeding for quality in horticultural crops. Rita Pasini in 306 Borlaug Hall at 3:30 p.m.

Does anyone know who Patrick Zielie is. Please contact Duane Smith or Keith Henjum. They found his credit card.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Superintendent, Southwest Experiment Station. H.H. Cheng, Chair, Minnesota Agricultural Experiment Station, University of Minnesota, St. Paul, MN.

-Tenure-track faculty in soil science and water chemistry. George J. Kraft, Chair, College of Natural Resources, University of Wisconsin-Stevens Point, Stevens Point, WI 54481

-Cooperative Extension Educators. Cornell University, Ithaca, NY.

-Seed Crop Management Agronomist. Pioneer Hi-Bred International, Inc. Johnston, IA.

-Scientist position in weed biology/physiology. A.E. Foster, Chairman, Crop and Weed Sciences Department, North Dakota State University, Fargo, ND.

-Dean of the College of Agriculture at Southern Illinois University at Carbondale. Chairperson, Vice President for Academic Affairs and Provost, Southern Illinois University at Carbondale, Carbondale, IL.

-Research-Extension Assistant in forage crops research. Sheldon Ladd, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Postdoc position. N.E. Sladek, Department of Pharmacology, University of Minnesota, 435 Delaware Street, S.E., Minneapolis, MN.

-Technician II or Research Associate for rice research. Dr. Anna Myers McClung, Rice Research Unit, Beaumont, TX.

-Agricultural Officer (Rice). Central Recruitment, Personnel Division, FAO, Via delle Terme di Caracalla, 00100 - Rome, Italy.

-Soil Scientist. Bob Hathcock, Chair, Department of Agriculture and Natural Resources, The University of Tennessee, Martin, TN 38238.

-Two-year research associate position within the USDA-ARS National Soil Tilth Laboratory. J.L. Hatfield, National Soil Tilth Laboratory, Ames, IA.

-O.A. Vogel Distinguished Chair in wheat breeding. Dwane G. Miller,

Department of Crop and Soil Sciences, Washington State University, Pullman, WA.

-Extension Wheat and Feed Grains Specialist. Claude M. Bonner, Arkansas Cooperative Extension Service, Little Rock, AR.

AGRONOMY GLEANINGS

MIW
2 Ag 86a

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

January 15, 1993

NEW BABIES

Congratulations to Beth and Frank Schreiber on their new baby girl, Nicole Margaret Natasha Schreiber. She weighed 8 lbs. 10 oz. and was born on Sunday, January 10, 1993. Nicole is holding her own but still at the University Hospital; Beth is at home and doing well.

Congratulations to Tabare and Marta Abadie on their new baby girl born on Saturday, January 9, 1993. Mary Eugenia weighed 7 lbs. 7 oz. and was 20.5" long.

CONGRATULATIONS

Congratulations to Sandra Milach and Mauro Teixeira who were married on December 29, 1992 in Brazil.

Congratulations to Pete Dotray for winning first place in the Poster Section at the North Central Weed Science Society meeting in Chicago in December. The title of Pete's poster was "Effects of Acetyl-Coenzyme A Carboxylase Inhibitors on Cell Membrane Potentials in Roots of Sethoxydim-Tolerant and Susceptible Corn Lines."

ABDUL KAMANZI

Abdul Kamanzi has sent greetings from Rwanda. He and his family were involved in a severe car accident on January 4, but luckily, no one was injured. His new address in Rwanda is:

National University of Rwanda
Department of Agronomy
B.P. 117 BUTARE
Rwanda

WELCOME

Please welcome a new graduate student to our department, Scott Reuss. Scott will be working toward the M.S. in Agronomy with Doug Buhler. He completed his B.S. degree at Concordia College in Moorhead, MN. His office is 313 Agronomy Building.

FAREWELL COFFEE

A farewell coffee will be held for Georgia Yerk and Doug Davis on Tuesday, January 19 at 9:30 a.m. in 408 Agronomy Building.

CIVIL SERVICE STAFF

The employee deduction for the Minnesota State Retirement System will increase as of January, 1993 to 4.07% from 3.99%. If you have questions regarding this increase please see Jeanne Davy.

DISCUSSION GROUPS

Collaborative learning discussion groups are being formed for faculty to share ideas, successes, fears, and frustrations about the use of cooperative and active learning strategies in the classroom. Groups are open to all faculty with no charge to the department or participant. The St. Paul group will meet in 120 Coffey Hall, 11:45 a.m.-12:45 p.m., on first and third Wednesdays of the month during winter quarter. Bring a bag lunch.

GRAD STUDENTS

The Rice Creek Watershed District is seeking new members for its Advisory Committee. Meetings are held at 7:30 p.m. on the first Wednesday of each month, except

for July and August. Watershed District Advisory Committees are authorized by state law to advise and assist the Board of Managers upon all matters affecting the interests of the District and to make recommendations to the managers upon all contemplated projects and works of improvement in the District. You do not need to be an expert in water management or governmental affairs. The meetings are held at 3585 Lexington Avenue North, Suite 374, Arden Hills. For more information call 483-0634.

MCIA

The Minnesota Crop Improvement Association eighty-ninth annual meeting will be held January 17-19, 1993, at the Sheraton Park Place Hotel in St. Louis Park.

Ph.D. THESIS DEFENSE

Inheritance of crown traits and biomass partitioning in alfalfa. Jesus Marquez in 306 Borlaug Hall at 1:00 p.m. on Thursday, January 21, 1993.

CONFERENCE

The Third North American Agroforestry Conference will be held at Iowa State University on August 15-18, 1993. The conference is designed to provide researchers, policy makers, academics, and private and public agroforestry practitioners with an opportunity to share information and discuss opportunities for agroforestry in the temperate zone. Brochures are available in 411 Borlaug Hall.

SCIENCE FAIR

If you are interested in being a judge at the Twin Cities Regional Science Fair, please call David W. Miller at 612-225-1910 for more information.

MISSING

If you borrowed the 3-hole punch from the xerox room, please return it.

CAR FOR SALE

Brand new Ford Festiva L-1990. Call Sidney Parentoni at 646-2432, after 6:00 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Breeder - Hybrid Wheat Breeding (two positions). Gordon Cisar, HybriTech Seed International, Lafayette, IN.

-Director, U.S. National Arboretum. Lee Triplett, USDA, ARS, Greenbelt, MD.

-Postdoctoral Research Associate. Steven J. Knapp, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Graduate Assistant in the College of Agriculture. W. David Shoup, The University of Arizona, Tucson, AZ.

AGRONOMY GLEANINGS

MIW
2/28/93

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

January 22, 1993

Marlene J. Baver died of a heart attack on Sunday, January 17, 1993. She was secretary to the Department Head in Soil Science. She is survived by her sister, Alice; two aunts and numerous cousins.

Mary Lambert informed us that Jean Lambert's mother (Ida Lambert) died January 16, 1993. She was 100 years old on December 9, 1992. Services were held in the Presbyterian Church on January 20 in Bethney, Nebraska.

CONGRATULATIONS

Congratulations to Sandra Milach who passed her Ph.D. oral prelim exam.

Congratulations to Jesus Marquez who passed his Ph.D. final exam.

REMINDER

All projects that still have vehicles out must take them to Minneapolis Fleet Services for emissions testing by January 31, 1993. No need for appointment. Please get this done as soon as possible.

WOMEN IN AGRICULTURAL SCIENCE

Our next meeting will be on Tuesday, January 26, 1993 at 12:00 noon in Room 375 Borlaug Hall (NOTE ROOM CHANGE). At this meeting we will discuss the future of two proposed group projects. The first project will focus on the development of a workshop-program on women in (agricultural) science aimed at encouraging undergraduate women in science.

The second project will develop a brief history of women graduates in the Department of Plant Pathology, Soil Science, and Agronomy at the University of Minnesota over the past 90-100 years. At this meeting we hope to determine the level of interest and commitment among our members to pursuing either of the proposed projects. All are welcome and encouraged to attend, so bring your lunch and join us!

CALL FOR PROPOSALS

1993-94 Bush Diversity Grants

A total of \$40,000 in grants of up to \$7,000 each will be provided for projects that will have impact at the departmental, college, or university curriculum level and that will involve departmental, interdepartmental, or intercollegiate collaboration. The deadline for the preliminary proposal is February 15, 1993. To receive an application, please call the Office of Human Resources, 626-7730.

SPECIAL GRANTS PROGRAM

The University of Minnesota Commission on Women announces its Special Grants Program to support projects which further the Commission's goals: to improve and enhance the working and learning environment for University women. We encourage proposals for a range of projects including, but not limited to: special events, publications, speakers' series, curriculum change, and workshop, program or conference planning. Projects that recognize diversity on campus, and bring together faculty, staff, and students are particularly

encouraged. Application deadline is February 23, 1993. To receive an application form, call Jessica Morgan at 626-8780.

POSTER COURSE OFFERED

Kristine Kirkeby will offer a course on producing a Professional Scientific Poster at the BioScience Center, Room 163 from 6:00-7:30 p.m., April 7, 21 and May 12. A lab session on May 28 will be given at hours to be arranged. Fees total \$90.

CURRENT CONTENTS-GOPHER

Current Contents, a database of data and abstracts for over 6,000 different journals from multiple disciplines, is currently available through Gopher. Presentations describing the use of Current Contents on Gopher are being held in room 50 Hubert H. Humphrey Center at the following dates and times:

- February 2, 2:00-3:00 p.m.
- February 16, 2:00-3:00 p.m.
- March 2, 2:00-3:00 p.m.

Call Lori Cramer at 626-9818 for more information.

PLANT BREEDING DISCUSSION

The Plant Breeding Discussion Group will meet on Sunday, January 24, 1993 at 7:00 p.m. at Dr. Rasmusson's home. Dr. Rajaram (CIMMYT) will be there.

COMPOSTING

Coffee grounds and orange peels available for composting from Lori's Coffee House, corner of Cleveland and Buford. Call 647-0833.

SEMINARS

Mon. Agronomy &
Jan. 25 Plant Breeding

-->NOTE CHANGE IN TIME<--

CIMMYT Wheat
Breeding. Dr. Sanjaya
Rajaram in 306 Borlaug
Hall at 2:00 p.m.

Plant Pathology

Barley stem rust, its
importance and control:
An Australian perspective.
Ruth Dill-Mackey in 365
Borlaug Hall at 3:00 p.m.

Tues. Plant Bio. Sci. Collog.
Jan. 26 Integration of hydraulic
and chemical signaling in
the control of stomatal
conductance and
development of drought
plants. W.J. Davies in
335 Borlaug Hall at 3:30
p.m.

POSITION ANNOUNCEMENTS

**Complete copies of all
position announcements can
be found at the front desk in
411 Borlaug Hall.**

-Station Manager/Sr. Station
Manager. Theresa Brown, DeKalb
Plant Genetics, DeKalb, IL.

-Postdoctoral Research Associate.
Steven J. Knapp, Department of
Crop and Soil Science, Oregon
State University, Corvallis, OR.

-Assistant Academic Advisor. John
V. Bell, College of Natural
Resources, University of
Minnesota, St. Paul, MN.

-Assistant/Associate Professor in
Landscape Contracting;
Assistant/Associate Professor in
Horticulture. Robert D. Wright,
Department of Horticulture, Virginia
Polytechnic Institute and State
University, Blacksburg, VA

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

January 29, 1993

CONGRATULATIONS

Congratulations to Jim Orf who was awarded the Honorary Premier Seedsmen Award at the annual meeting of the Minnesota Crop Improvement Association.

ROD BRIGGS

I had a note from Rod and Helen Briggs. Rod is feeling better than he has for more than ten years. That is good news.

L.J. Elling

GREETINGS

Bob Peterson sends greetings from Hawaii where he is conducting corn pollination on the winter nursery. The weather has been cool and the corn is late so he is extending his stay to February 3 or 4.

GRANT-IN-AID

Graduate School Grant-in-Aid requests are due March 1, 1993. See Jeanne for application forms if you are interested in applying.

NEW ADDRESS-AIS

Administrative Information Services
University of Minnesota
1300 South Second Street
Suite 660
Minneapolis, MN 55454

PHONE BOOKS

The 1993-94 Minneapolis White and Yellow Pages will be delivered on Wednesday, February 3, 1993 in 411 Borlaug Hall. Please drop off your old phone book for recycling and sign up for a new one on the sign up sheet.

FREE SAMPLE BOTTLES

Jim Halgerson (5-8189) has free sample bottles to give away. The bottles have only been used to store plant material.

	Quantity
1 quart plastic	300
1 oz. plastic	150
2 oz. plastic	450
3 oz. plastic	200
4 oz. plastic	100
6 oz. plastic	50
2 oz. clear plastic	100
4 oz. glass	350

RADON GAS

A three month radon gas screening measurement was taken in the Borlaug Hall complex. All occupied spaces in the building contained radon levels well below the Environmental Protection Agency's recommended action guideline of 4 picocuries per liter of air (pCi/L). Most rooms contained levels too low to be measured.

GRADUATE STUDENTS

Teresa Schoeder has the group photograph available to look at in 213 Borlaug Hall that was taken last Friday.

SEMINAR SCHEDULE

The new schedule will be distributed at the Monday, February 1 Agronomy and Plant Breeding Seminar. If not able to attend, see Jean Swanson for a copy.

SEMINARS

Mon., **Agronomy & Plant Breeding**
Feb. 1 **HOPE** -- Hierarchical open-ended corn breeding system. Jacob Eta-Ndu in 306 Borlaug Hall at 3:30 p.m.

PLANT MOLECULAR GENETICS SEMINAR
β-glucanase expression in oat tissue. Debra Martin and David Somers in 306 Borlaug Hall at 12:00 noon.

Plant Pathology
Crop mixtures and multilines for disease management. Tsitsi Ndowora in 365 Borlaug Hall at 3:00 p.m.

Tues., **Plant Bio. Sci. Colloq.**
Feb. 2 **Physiology and genetics of sucrose utilization.** Karen Koch in 335 Borlaug Hall at 3:30 p.m.

Wed., **Horticulture/Plant Breeding**
Feb. 3 **Stalking the wild strawberry.** Jim Luby in 415 Alderman Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Staff Development Leader. Billie J. Wahlstrom, Department of Rhetoric, University of Minnesota, St. Paul, MN.

-Assistant Scientist (Temporary). Gerry L. Posler, Department of Agronomy, Kansas State University, Manhattan, KS.

-Post-Doctoral Research Associate. T. Hymowitz, Department of Agronomy, University of Illinois at Urbana-Champaign, Urbana, IL.

Winter Quarter E-Mail Training

The orientation classes will explain what E-Mail is and how it works on the Internet, how to access E-Mail using different computer configurations and software, and will provide demonstrations of an interactive session for terminals and POPmail for the Macintosh and IBM compatibles.

<u>Weekday</u>	<u>Date</u>	<u>Time</u>	<u>Place</u>
Tuesday	February 2, 9, 16, 23 March 2, 9	2:30-4:30 p.m.	2-620 MoosT
Thursday	February 4, 11, 18, 25 March 4, 11	2:30-4:30 p.m.	2-620 MoosT
Friday	February 5, 19 March 5	1:30-3:30 p.m.	130 Blegan Hall
Friday	February 12, 26 March 12	2:00-4:00 p.m.	110 Green Hall

HOLIDAY SCHEDULE FOR FISCAL YEAR 1993-94

The following University holiday schedule has been approved for Civil Service Staff on the Twin Cities Campus for the 1993-94 fiscal year.

Major Holidays (all campuses)

Independence Day Observed	July 5, 1993 (Monday)
Labor Day	September 6, 1993 (Monday)
Thanksgiving Day	November 25, 1993 (Thursday)
Christmas Day Observed	December 24, 1993 (Friday)
New Year's Day Observed	December 31, 1993 (Friday)
Martin Luther King Day	January 17, 1994 (Monday)
Memorial Day	May 30, 1994 (Monday)

Floating Holidays (Twin Cities)

November 26, 1993 (Friday)
December 23, 1993 (Thursday)
March 25, 1994 (Friday)

Personal Holiday

The eleventh holiday has been designated a personal holiday for 1993-94.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

February 5, 1993

AGRONOMY FISHING TRIP

The annual Agronomy Department fishing trip has been tentatively set for June 18-20. It will be held at Cedar Springs Lodge on Leech Lake. Start planning for it now and more details will follow.

Jim Halgerson
Chairman

FUEL PUMPS

The fuel pumps at the farm shop are now operated by inserting the Trans Card into the receptacle at the pumps. All Agronomy vehicles should have been issued cards and have them ready for use. If you did not receive a card for your project vehicle, please contact Mike McClellan at 5-1784. Any problems as to how to operate the automatic dispensing system go inside and have Dan or Joanie explain the procedure to you.

CHEMICAL REQUEST FORMS

The chemical request forms have been sent out to project leaders. If I missed anybody please write out your request and leave it in the CROPS RESEARCH mailbox (#75) in 411 Borlaug Hall, or room 101 in the CROPS RESEARCH BUILDING. Also a voice mail message can be left on Mike's phone at 5-1784. Please have your requests to me by February 15. Thank you for your cooperation.

GRADUATE STUDENTS

If you would like to purchase copies of the grad gang's photo, order in 213 Borlaug Hall by Friday, February 12.

GRANT APPLICATIONS

Grant applications are being accepted by the North Star Research Foundation. Deadline is February 26. Awards will be targeted to support research projects designed to develop and test technologies with commercial potential. Projects will be funded up to \$100,000. See Jeanne for further details.

OFFICE STAFF

Women in Agricultural Science would like to invite you and the office staff from Soil Science and Plant Pathology to a potluck lunch on Tuesday, February 9 at 12:00 noon in room 375 Borlaug Hall. Bring something with which to build a sandwich or anything of your choice. We are looking forward to seeing you all there.

THEFT

The weekend of January 30, three high intensity greenhouse lamps were stolen from the 415A2 greenhouse. They were chained and locked and, more than likely, the entry doors were also locked. The University Police Officer suggested that the lights could have been taken by cutting the fixture, the chains, or the lock. This may not have been a preventable theft but some thefts are preventable. I suggest that we combat this problem by the following methods:

Lock entry doors after 4:30 p.m. weekdays and all day on weekends. Lock any valuable items out of sight when not in use. Ask any unfamiliar people if they need assistance. If you suspect their motives, let someone in authority know. Thanks for your cooperation.
Dann Adair

GREENHOUSE WATERING

Pam will be gone February 15-22, 1993. All projects must do their own watering during this period of time. Any problems call Pam at 625-6756.

Ph.D THESIS DEFENSE

Allometric relationships in six-row spring barley (*Hordeum vulgare* L.). Harold Mickelson on Wednesday, February 10 at 2:00 p.m. in 306 Borlaug Hall.

SPECIAL SEMINAR

Generic environmental impact statements for agriculture: experiences from the forestry sector. Dr. Alan Ek, Head, U of M Forestry Department. It will be held on Wednesday, February 10 at 5:00 p.m. in the St. Paul Student Center, Room 202.

FROM MCIA

Total number of acres in the United States occupied by home vegetable gardens: 1,300,000. Number of new animals and plants patented from 1980 to 1991: 2,632. Percentage of plant and animal species known to have ever existed that exist today: 0.01. Estimated number of plant and animal species that have become extinct since 1980: more than 100,000. Average amount of gas a cow belches each day, in cubic feet: 35.

SEMINARS

- Mon., **Agronomy &**
Feb. 8 **Plant Breeding**
Breeding apomictic cereals. Oscar Riera-Lizarazu in 306 Borlaug Hall at 3:30 p.m.
- Plant Pathology**
Molecular genetics of the Badnaviruses. Neil Olszewski in 365 Borlaug Hall at 3:00 p.m.
- Tues., **Plant Bio. Sci. Colloq.**
Feb. 9 Mechanism of inheritance of diclofop resistance in Italian ryegrass. Kevin J. Betts in 335 Borlaug Hall at 3:30 p.m.
- Wed., **Plant Breeding**
Feb. 10 Seminar has been canceled.

POSITION ANNOUNCEMENTS

- Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.**
- Research Fellow/Research Associate. Klaus Puettman or Peter Reich, Department of Forest Resources, University of Minnesota, St. Paul, MN.
 - JoAnn Jorgensen, Pioneer Hi-Bred International, Inc., Johnston, IA.
 - Cooperative Extension Educators. Cornell Cooperative Extension, Cornell University, Ithaca, NY.
 - Summer Internship - Research in Sustainable Agriculture. Kamyar Enshayan, The Ohio State University, Columbus, OH.
 - Faculty Research Assistant. Sheldon Ladd, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.
 - Assistant Professor. R. Larry Rogers, Louisiana State University, St. Joseph, LA.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

February 12, 1993

Nathaniel Jones (44 years old), older brother of Robert Jones, died January 30. He drowned while fishing. Nathaniel had just bought a new boat and was out with three friends when the boat hit a stump. When the men determined that they couldn't bail water fast enough, they jumped in and swam. The other three made it to shore, Nathaniel didn't. He was encumbered with a coat, two pairs of pants and boots. Nathaniel is survived by his wife, two sons and a daughter. He operated a produce market in Dawson, Georgia and was vice chair of the County School Board. He was known and loved by everyone in the entire county; Robert reports that 12,000 people in and around Dawson are in shock. Nathaniel and Robert were raised on a farm ten miles out of Dawson (just south of the Jimmy Carter's peanut farm).

Douglas R. Dewey, retired ARS Research Geneticist, Logan, Utah, died of cancer February 3. After receiving his Ph.D. from the University of Minnesota in 1956, Doug joined ARS at Logan where he had a distinguished career working on the cytogenetics of Triticeae grasses. His continued pursuit of excellence/perfection in everything he did resulted in major contributions in science as well as in his private life. For health reasons he retired in 1984 from ARS as a Super Grade Scientist and Research Leader of the Forage and Range Research Unit. However, he continued working for several years as a collaborator and was named to the ARS Hall of Fame in 1989, "For outstanding contributions to

the cytogenetics, cytotaxonomy, development and use of innovative wide hybridization procedures to improve germplasm of perennial forage grasses." He is survived by his wife, two sons and a daughter.

STUDENTS

To all students who plan to register for Agronomy 8280 (Plant Breeding Topics) for Spring Quarter 1993. Please let Jean Swanson know by March 1 so that I can have an accurate count of who will be in the course. At that time I will solicit topics so if you want an input into the topics chosen for the next offering of the course please respond to Jean. Thanks.

Deon Stuthman

GRADUATE STUDENTS

If you are interested in taking Agronomy 8080, Current Contents in Agronomy, Spring 1993, 2 cr., please contact Lynne in 302 Agronomy Building.

GREENHOUSE CLEAN UP

ALL greenhouses should be cleaned up the week of February 15. Used fluorescent bulbs and ballasts should be disposed of in headhouse area. All broken and unused pots are to be cleaned up. These things are all a hazard in the greenhouse. Any unused soil and plants should be disposed of outside. They are a source of disease and pests. Any questions call Mike at 5-1784.

GREENHOUSE WATERING

Just a reminder that Pam will be gone February 15-23. All projects must do their own watering.

SPECIAL SEMINAR

Sustainable Agricultural Research on the Koch Farm: Present Progress and Future Directions by David Huggins. Sponsored by the Minnesota Institute for Sustainable Agriculture (MISA) and the Soil Science Department. It will be held on Thursday, February 18 at 3:00 p.m. in 375 Borlaug Hall. Refreshments served at 2:30 p.m.

HORTICULTURE DEPT.

The Department of Horticultural Science invites you to the 1993 Kermit Olson Memorial Lecture and Departmental Awards Ceremony. It will be held on Tuesday, March 9 in the Northstar Ballroom, St. Paul Student Center. Scholarship and Awards Ceremony will be held at 3:30 p.m. and the Kermit Olson Memorial Lecture will be presented at 4:00 p.m. The lecture will be given by Peter Raven, Director of the Missouri Botanical Garden, "The Biodiversity Crisis: What It Means For Us." A reception honoring Dr. Raven, department scholarship and award recipients will follow the lecture.

PLANT BREEDING DISCUSSION GROUP

We will have a meeting on Thursday, February 18 at Vern Cardwell's house. Our topic will be ethics in plant breeding and biotechnology. Watch your mailbox for two short articles relating to this topic.

VIDEO

Anyone who is interested in viewing the video of Dr. Rajaram's Agronomy and Plant Breeding seminar may obtain it from Jean Swanson.

SEMINARS

Mon., **Agronomy & Plant Breeding**
Feb. 15

Stress tolerance (salinity, high temperature, drought, acid soils, etc.) in wheat.
Bob Murzyn in 306
Borlaug Hall at 3:30 p.m.

Plant Molecular Genetics
Plant tubulin isotypes and microtubules-associated proteins. Russell Goddard in 306 Borlaug Hall at 12:00 noon.

Plant Pathology
Irrigation management for white mold control in dry beans. Dick Meronuck in 365 Borlaug Hall at 3:00 p.m.

Tues., **Plant Bio. Sci. Colloq.**
Feb. 16 Physiology of maize kernel development.
Robert J. Jones in 335
Borlaug Hall at 3:30 p.m.

Wed., **Plant Breeding**
Feb. 17 Selection for improved nitrogen metabolism in small grains. Dave Pazdernik in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Associate Dean for Research and Associate Director, Montana Agricultural Experiment Station. Thomas McCoy, Department of Plant and Soil Science, Montana State University, Bozeman, MT.

-Research Assistant in Weed Ecology. Bruce Maxwell, Department of Plant and Soil Science, Bozeman, MT.

-Research Associate. Dennis Buckmaster, Agricultural Engineering, Penn State University, University Park, PA.

-Director of Science and Stewardship. Gary Reiners, Iowa Field Office, The Nature Conservancy, Des Moines, IA.

-Postdoctoral Fellow. Department of Entomology, Auburn University, Auburn, AL.

MIW
2 AgBla

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

February 19, 1993

THANK YOU

Thanks to everybody in the department for the beautiful flowers for my mother's funeral. We appreciate your thoughts and kindness at this time.

Judy Slyter

CONGRATULATIONS

Congratulations to Mike and Laurie Davis on their new baby boy born on Thursday, February 18 at 1:00 a.m. Liam Edward weighed 8 lbs. 14 oz. and is 22" long. He joins big brother Sean.

Congratulations to Pete Dotray who passed his Ph.D. exam.

Congratulations to Kevin Betts who passed his M.S. exam.

WELCOME

Please welcome Lisa Gulbranson, a Jr. Scientist, who will be working in Ron Phillips' lab.

FACULTY MEETING

The next faculty meeting will be held on Monday, February 22 at 1:00 p.m. in 306 Borlaug Hall.

REMINDER

To all students who plan to register for Agronomy 8280 (Plant Breeding Topics) for Spring Quarter 1993. Please let Jean Swanson know by March 1 so that I can have an accurate count of who will be in the course. At that time I will solicit topics so if you want an input into the topics chosen for the next offering of the course please respond to Jean. Thanks.

Deon Stuthman

ATTENTION TRAVELERS

As budgets are tightened and travel costs continue to escalate, University departments are faced with having to control costs. Travel Services has heard about the use of what are called "creative methods of ticketing." The most common types are back-to-back super savers, and hidden city/point beyond fares.

Back-to-back ticketing involves buying two discounted week day round trip tickets during consecutive weeks to the same destination and ticketed as though they include a Saturday stay. By mixing the flight coupons, the traveler avoids a weekend stay and having to pay two full coach fares. Back-to-back ticketing is ONLY an acceptable procedure by the airlines when all ticket coupons are used.

The hidden city techniques involves a traveler booking a cheaper flight to another city with a stop at the "real" destination. The traveler then simply gets off the plane during the stopover. Example: You live in Minneapolis and want to be in St. Louis for a meeting. The cost from Minneapolis to St. Louis is \$778. But, by booking from Minneapolis to St. Louis to Dallas round trip, the fare drops to \$270. The traveler gets off the plane in St. Louis and discards the remainder of the ticket with no intention of going on to Dallas. Airlines consider this to be an illegal procedure. Pitfalls: (1) when checking in for your return flight to Minneapolis, the airline may have canceled the space because you were a no-show for the St. Louis/Dallas segment, (2) your bags were checked straight through to Dallas.

Airlines are cracking down on use of these methods of ticketing. If caught, they will issue a debit memo reverting back to you at full coach fare! They may also deny you boarding unless you purchase a new ticket on the spot.

Travel Services recommends that University travelers be wary of the illegal use of these "creative methods" of ticketing.

SOUP LUNCH CHARITY!!!

On Friday, March 5th from 11:45-1:30 p.m. in 306 Borlaug Hall, the annual Grad Club "Soup Lunch Charity" will be held. A \$3.00 donation is requested for the meal. A box will be set up for additional donations of nonperishable foods and baby supplies (formula/diapers, etc.). High protein foods such as beans and canned meats are highly sought after. All proceeds will go to the St. Paul Food Bank. Solicitations for dishes have been put into the Grad Students mailboxes. Any other people willing to donate a food dish (such as soup/chili/hot dish, etc.) or breads, just drop a note in Dave DeKoeper's mailbox by Monday, February 22, listing the dish you plan to bring. NOTE: For every dollar received by the St. Paul Food Bank, they can distribute about \$20 worth of food! So, join us for some good food in order that others may also enjoy some food.

NEW ADDRESS

The Employee Benefits Department will be moving to the University Technology Center in the Dinkytown area. New mailing address as of March 1 is: Suite 210, 1313-5th Street SE, Minneapolis, MN 55414. Parking is available in a lot located next to the building.

NEW GRADUATE SCHOOL DEAN

Michael Rollefson has accepted the new position of Associate to the Vice President for Research and Dean of the Graduate School. His responsibilities will be in the areas of budget and personnel. His office is in 331 Johnston Hall and his phone is 626-8284.

NEW HIGH SCHOOL LIAISON

Gina Bari has accepted the position of High School Liaison in the College of Agriculture. She will begin to arrange meetings with faculty and departments to learn about the different majors. If you have any questions or would like to arrange a meeting with Gina, call Annette Day at 624-4748.

ST. PAUL CAMPUS LIBRARIES

Effective February 15, journals may be checked out overnight only instead of the current three-day checkout policy. This action is taken to reduce the amount of time these heavily used materials are out of the libraries.

SEMINARS

- Mon., Agronomy &
Feb. 22 Plant Breeding
Resistance to Hessian fly.
Dennis Dolan in 306
Borlaug Hall at 3:30 p.m.
- Plant Pathology
Genetic dissection of
disease resistance with
DNA markers. Nevin
Young in 365 Borlaug
Hall at 3:00 p.m.
- Tues., Plant Bio. Sci. Colloq.
Feb. 23 Use of fluorescent
analogues to look at the
cytoskeleton in living plant
cells. Peter Hepler in 335
Borlaug Hall at 3:30 p.m.
- Wed., Plant Breeding
Feb. 24 RFLPs in polyploids -- a
review. Jochum Wiersma
in 306 Borlaug Hall at 3:30
p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Administrative Fellow. Laurie Hayes, College of Agriculture, University of Minnesota, St. Paul, MN.
- Associate Program Director. Glen Vollmar, International Programs, IANR, University of Nebraska-Lincoln, Lincoln, NE.
- Molecular Biologist. Central Recruitment, Personnel Division, FAO, Via delle Terme di Caracalla, 00100, Rome, Italy.
- Crop Physiologist. Pat Wingfield, Department of Agronomy and Soils, Auburn University, AL.
- Extension Specialist. Paul D. Hartman, Southwest Research-Extension Center, Garden City, KS.

MIW
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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

February 26, 1993

WITH SINCERE THANKS

Perhaps you sent a lovely card,
Or sat quietly in a chair;
Perhaps you sent beautiful flowers,
If so, we save them there.
Perhaps you sent or spoke kind
words
As any friend could say;
Perhaps you were not there at all
Just thought of us that day.
Whatever you did to console the
heart,
We thank you so much, whatever
the part.
The Family of Nathaniel Jones

RETIREMENT PARTY

Bill Kennedy, Department of Plant Pathology, will retire on May 15. A reception will be held on March 25 from 3:00-5:30 p.m. in the the Cherrywood Room, St. Paul Student Center. Ernest Banttari is compiling a book of letters from students, colleagues and friends recognizing Bill's accomplishments and contributions. Letters for the book should be sent to Ernest in 495 Borlaug Hall by March 8. Contributions for a retirement gift may be sent to Delores Huebner in 495 Borlaug Hall.

SOUP LUNCH CHARITY

Don't forget, March 5 from 11:45-1:30 p.m. in 306 Borlaug Hall is the ANNUAL AGRONOMY GRAD CLUB SOUP LUNCH CHARITY!!! All proceeds will go to the St. Paul Food Bank. A \$3.00 donation for the meal will be requested at the door. A box for additional donations of nonperishable foods, etc., will be set up also. So do your good deed for the day - just by eating lunch!!! See you there!

REMINDER

There will be a Greenhouse-Housekeeping and Safety meeting on March 1 at 1:30 p.m. in the greenhouse Teaching Lab, Room 110 (Teresa's lab). This meeting is for all Agronomy Staff that uses the Agronomy and weeds greenhouses. Be prepared to discuss any ideas or problems.

FACULTY ASSEMBLY

The COA Winter Quarter Faculty Assembly will be held in the St. Paul Student Center Theatre on March 17 from 9:30 to 11:30 a.m. Dr. Donald Sargeant, Chancellor, University of Minnesota, Crookston will be the guest speaker.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Coordinator, Minnesota Institute for Sustainable Agriculture. J. Krofta, Agronomy & Plant Genetics, 411 Borlaug Hall, University of Minnesota, St. Paul, MN.

-Extension Specialist, Crops and Soils, Southwest. Paul D. Hartman, Southwest Research-Extension Center, Garden City, KS.

-Assistant/Associate Professor - Forage Breeding. Edward Dunigan, Agronomy Department, Louisiana State University, Baton Rouge, LA.

-Family owned fruit and grain farm has full-time opening for a responsible, self-motivated applicant educated in agriculture (with emphasis on agronomy or horticulture). D.M. Fulks, Belvedere Plantation, 1601

Belvedere Drive, Fredericksburg, VA.

-Post-Doctoral Research Associate. T. Hymowitz, Department of Agronomy, University of Illinois at Urbana-Champaign, Urbana, IL.

SEMINARS

Mon., Agronomy & Plant Breeding
March 1

Single vs. multiple gene insect resistance: case study with BT. Jonathan Shaver in 306 Borlaug Hall at 3:30 p.m.

Plant Molecular Genetics
B-1,3-glucanases expression during stamin development. Paul Bucciaglia in 306 Borlaug Hall at 12:00 noon.

Plant Pathology
Pros and cons of using genetically engineered plants in agriculture. Junping Chen in 365 Borlaug Hall at 3:00 p.m.

Tues., Plant Bio. Sci. Colloq.
March 2 Molecular nature of quantitative trait loci for model traits. Ben Burr in 335 Borlaug Hall at 3:30 p.m.

Wed., Agronomy & Plant Breeding
March 3 Inheritance of growth habit, PGI isozymes and cytology in foundation grass. Mary Meyer in 306 Borlaug Hall at 3:30 p.m.

MIW
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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

March 5, 1993

We have just learned that Ernest G. Booth (Ph.D. from this Department) died February 2 at the age of 93. He worked for 42 years in U.S. Government service, becoming Director of Field Service for the U.S. Department of Commerce in Minneapolis. He was a recipient of the University of Minnesota Outstanding Achievement Award. Dr. Booth used to visit the Department occasionally following his retirement in 1969; he donated \$5,000 toward an Endowed Chair in Molecular Genetics (the only individual contribution).

CONGRATULATIONS

Congratulations to Peggy and Eric Egli on their new baby boy born on Wednesday, March 3. William August weighed 10 lbs. 4 oz. and is 23 3/4" long. All are doing well.

WELCOME

Welcome to Dr. Il-Doo Jin, a visiting professor from Suncheon National University, Gunsan, Jeonlabugdo, Korea. Dr. Jin will be working with Erv Oelke and will be located in 307 Agronomy Building.

REMINDER

Don't forget today from 11:45-1:30 p.m. in 306 Borlaug Hall is the ANNUAL AGRONOMY GRAD CLUB SOUP LUNCH CHARITY!!! All proceeds will go to the St. Paul Food Bank. A \$3.00 donation for the meal will be requested at the door. A box for additional donations of nonperishable foods, etc., will be set up also.

FRANKLIN PLANNER

Dr. Crookston has generously offered to support a Franklin time management seminar for graduate students or anyone who is interested. Many of the faculty and staff in the department have already taken this seminar and have found it useful. The seminar is a full day and includes a Franklin Planner. Please contact Phil Schwab by March 8 if you are interested. You can leave a note in his mailbox (#22) or call him at 5-3148.

RACIAL OR ETHNIC HARASSMENT

Will not be permitted at the University of Minnesota: that is the message of a flier distributed to members of the U community last week, with a letter from equal opportunity officer Patricia Mullen. Flier gives advice about how to handle harassment; copies are available by calling 624-9547.

FILE CABINET NEEDED

I am looking for an empty filing cabinet to move to room 307 Agronomy. Please let me know if you have one.

Jeanne

INTERRUPTION OF BUILDING WATER SERVICE

The water service for the Agronomy Building will be shut off on March 9 from 5:00 p.m to 2:00 a.m. The outage may affect any or all of the following: toilets, lavatory sinks, lab faucets, deionized water systems, growth chambers, incubators, walk in coolers, freezers, air compressors, lab air systems, vacuum pumps, and safety

eye washes and showers. Please notify Tim Gordon at 624-5303 of any problems which would prevent the interruption from proceeding on schedule.

GRADUATE STUDENTS

There will be a graduate student information program held in 306 Coffman Union from 12:20 to 2:30 p.m. on March 31. These include:
•Gaining a new perspective: impact of graduate school on your life;
•Graduation requirements; •Services at the U.

There will also be a writing workshop held on Saturday, April 3 from 8:30-3:00 in 325 Coffman Union. The workshop fee is \$5.00. Registration forms are available in 411 Borlaug or you can register in person at the New Student Program Office, 324 Coffman Union.

SUSTAINABLE AGRICULTURE STUDY GROUP

"Why Don't These Farmers Do What We Want Them To?" Steve Taff, U of M, Department of Ag. & Applied Econ., will discuss whether federal agricultural policies are an effective means to achieve environmentally sound farming practices. It will be held on Wednesday, March 10 at 4:30 p.m. in the St. Paul Student Center, Room 202. Come late if you must, but do come!

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Two postdoctoral positions in plant molecular genetics. Dusty Post-Beittenmiller, Plant Biology Division, Ardmore, OK.

-Cooperative Extension Educators. Staff Development and Recruitment, Cornell University, Ithaca, NY.

-Extension vegetative specialist. Kathy Treat, New Mexico State University, Las Cruces, NM.

-Plant developmental biologist. Gary Wagenbach, Department of Biology, Carleton College, Northfield, MN.

-Agronomist. John Goss, E.I. du Pont de Nemours & Co., Ag-Biotech Group, Newark, DE.

-Agricultural Research Coordinator II. Jerry Johnson, Department of Crop and Soil Science, University of Georgia, Georgia Station, Griffin, GA.

-Research Support Scientist 1. Human Resource Services, University of Idaho, Moscow, ID.

SEMINARS

Mon., Agronomy &

March 8 Plant Genetics

Selection for unpredictable environments. Maria Marcano in 306 Borlaug Hall at 3:30 p.m.

Plant Pathology

Congruity backcrossing: theme and variations. Peter Ascher in 365 Borlaug Hall at 3:00 p.m.

Wed., Agronomy &

March 10 Plant Genetics

Expected shifts in weed species and morphology due to reduced input crop management. Brett Bussler in 306 Borlaug Hall at 3:00 p.m.

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AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

March 12, 1993

TO GIVE AWAY

Puppies!

Border Collie cross (cute little mutts). See Sara Hartman in 411 Borlaug Hall.

THANK YOU

The Grad Club would like to thank everyone who participated in the Fourth Annual Soup Lunch Charity. We raised a record amount for the "Second Harvest St. Paul Food Bank" of \$293. That figure more than doubles the amount raised at any other soup lunch charity of previous years. According to food bank officials, the money we raised can purchase more than \$5,800 of food and basic necessities for the underprivileged and needy in the metropolitan area. Good job everyone!!

CONGRATULATIONS

Congratulations to Steve Simmons on his selection as a recipient of a Pew Faculty Fellowship in International Affairs for 1993-94. The Pew Faculty Fellowship was established to enhance education in international affairs by encouraging outstanding college and university faculty to incorporate the case method of instruction into their teaching of graduate and undergraduate courses. Selection is highly competitive. In the first three years of the program, the average ratio of applications to places was more than 10 to 1.

FACULTY MEETING

The next faculty meeting will be on Monday, March 22 at 10:00 a.m. in 306 Borlaug Hall.

WORKSHOP: MANAGING A SCIENTIFIC CAREER

The second annual workshop for Managing a Scientific Career will be held on Friday and Saturday, April 2 and 3 in McNeal Hall on the St. Paul Campus. Faculty, academic staff, and graduate students are encouraged to attend. A flyer will be forthcoming.

ATTENTION GRADUATE STUDENTS

Ms. Pat Henderson, Director of the American Oat Association, is willing to give a tour of the Minneapolis Grain Exchange on March 23. Transportation is provided. If interested, see Jean Swanson in 411 Borlaug Hall.

NOTICE

In case any Agronomy personnel did not receive the cholinesterase memo they should be reminded about the need to get tested before Springfield work. Those that need this mandatory test should contact Mike McClellan by phone (5-1784) or leave a note in the Crops Research mailbox (#75) in Borlaug Hall. Please do this as soon as possible because I need to make the arrangements with Boynton Health Service. Thank you.

KELLEY FARM

The Minnesota Historical Society's Oliver H. Kelley Farm will present its Twelfth Annual Seed Exchange on Sunday, March 21 from 2:00 to 4:00 p.m. The Kelley Farm staff will introduce their historic gardening kit and book, and talk about this season's gardening program. Bring samples of your favorite heirloom varieties to share

and exchange.

MAIL

There is a new mailbox in front of Borlaug Hall. Right now there is one collection at 4:45 p.m. The collections will become more frequent depending on how much use the box gets.

The St. Paul Campus post office is now processing UPS department packages. Please bring your packages to the St. Paul Campus mailroom by 3:00 p.m. The campus mail drivers will pickup UPS packages on their mail route as long as they are not too burdensome. Please call ahead with these pickups.

Campus mail window hours are:
10:00 a.m. to 12:30 p.m. & 1:30 to 3:30 p.m.

SLIDE TRAYS

The Agronomy Teaching Lab is missing several slide trays. Borrowing of these trays is for short-term use only (one week or less). If you have a tray and need it for long-term use, please consider purchasing your own tray. The photo lab sells trays. Please return any borrowed trays that you have sitting in your office and labs. We need them. Thank you.

BABYSITTING CO-OP

An information/sign-up meeting will be held at 12:00 noon on Thursday, March 25 in 306 Borlaug Hall. If unable to attend, contact Debra Martin in 507 Borlaug Hall, 5-8107.

COPYRIGHT PERMISSION

A copyright permissions office was set up last spring to facilitate this process. There are five copy centers on campus to assist you in reviewing materials, securing permission when needed, and reproducing packet material. There is no cost to you or your department. Obviously, there is a time requirement in seeking permission from the publisher, so plan early. Taking materials off campus and having them reproduced at shops which do not acknowledge copyright law places you and the University at risk. In the event of a lawsuit over copyright infringements, the University may assume limited liability if you have not availed yourself of services provided by the University specifically to avoid such an occurrence. If you have further questions, please direct them to Jill Braaten at the Copyright Permissions Center at 626-9821.

GOPHER CROPS & SOILS CLUB

The Gopher Crops & Soils Club has new officers for 1993-94:

President - Brent Wiersma
Vice President - Darin Pesta
Treasurer - Penny Avoles
Recording Secretary -
Mike Binsfeld
Corresponding Secretary -
Chad Fossey
Crop Kits Chair - Art Killam
Assistant Crop Kits -
Leanne Matthesen



Happy
St. Patrick's
Day



PLANT BREEDING DISCUSSION GROUP

In the last meeting of the Plant Breeding Discussion Group several issues were raised about sustainable agriculture and its impact in plant breeding. Because a further discussion in this subject has been requested by some people, the Plant Breeding Discussion Committee together with Gary Muehlbauer are organizing a discussion section and bringing a special guest from the Minnesota Department of Agriculture.

Guest: Douglas Gunnick
Energy and Sustainable
Agriculture Program

Topic: Plant Breeding for a
Sustainable Agriculture

Monday, March 15 at 12:00
noon in 210 Borlaug Hall.

Please bring your lunch and come and join us. The horticulture crew will provide coffee and cookies. We hope to see you there!

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Programs Coordinator. Search Committee Chair, Leopold Center for Sustainable Agriculture, Iowa State University, Ames, IA.

-Research Plot Technicians - Two six-month temporary positions; Junior Scientist - Full-time temporary position from April 1, 1993 to June 30, 1995. Terry Beseman, West Central Experiment Station, Morris, MN.

-Assistant, Associate, or Scientist position; Plant Ecophysiologicalist in the Environmental Biology Program. John Laurence, Boyce Thompson Institute for Plant Research, Ithaca, NY.

-Vice President for Administration. Herbert Cheever, South Dakota State University, Brookings, SD.

SEMINARS

Mon., Agronomy &
March 15 Plant Genetics
FINAL WEEK

Plant Molecular Genetics
Progress on the
Chlamydomonas RFLP
Map. Carolyn Silflow in
306 Borlaug Hall at
12:00 noon.

Plant Pathology
Transgenic plants which
are resistant to viruses.
Andrew Ryan in 365
Borlaug Hall at 3:00
p.m.

Thurs., Candidate for Endowed
March 18 Chair in Molecular
Genetics

Applications of
molecular genetics to
crop improvement. A
research proposal for the
endowed chair position.
David Somers in 306
Borlaug Hall from 9:00
to 10:00 a.m.

MIW
8 Ag 86a

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

March 19, 1993

TO GIVE AWAY

Puppies!

Border Collie cross (cute little mutts). See Sara Hartman in 411 Borlaug Hall.



FACULTY MEETING

The next faculty meeting will be on Monday, March 22 at 10:00 a.m. in 306 Borlaug Hall.

BUILDING SECURITY AND PERSONAL SAFETY

There will be a meeting of all members of the departments of Agronomy & Plant Genetics, Plant Pathology, and Soil Science. It will be held on Thursday, March 25 from 1:30 to 2:30 p.m. in 335 Borlaug Hall. The purpose of this meeting is to discuss issues and steps to be taken regarding building security and personal safety in the Borlaug Hall Building Complex. Remember to lock office and lab doors while attending.

WOMEN IN AGRICULTURAL SCIENCE

There will be a meeting on Tuesday, March 23 at 12:00 noon in 375 Borlaug Hall. Kyria, a postdoc from Soil Science, will give a presentation on the history of women's education. Bring your lunch and join us.

OPEN FORUM

Nils Hasselmo has scheduled an open forum on Tuesday, March 30 from 12:00 to 1:00 p.m. in the St. Paul Student Center Theatre. The forum provides an opportunity to discuss the University's biennial request and the strategic planning process.

RECEPTION

The Department of Plant Pathology is having a reception honoring Dr. Bill Kennedy's retirement. Please join us in the Cherrywood Room at the St. Paul Student Center on Thursday, March 25 from 3:00 to 5:30 p.m. to honor him.

On Friday, March 26 from 3:00 to 5:00 p.m. in 138 Crops Research, there will be a reception for Betty Kennedy who will be retiring on March 31 from the Research Analytical Laboratory in Soil Science after twelve years of service. Please join us in extending our gratitude, best wishes and fond farewell to Betty.

REMINDER

Babysitting co-op sign up and informational meeting will be held on Thursday, March 25 in 306 Borlaug Hall. Contact Deb Martin in 507 Borlaug Hall, 5-8107, if unable to attend.

GREETINGS

Lynn Dahleen sends greetings to her friends in the department. Her crops research work is going well.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Chair, Department of Agriculture and Natural Resources. Office of Personnel Services, Morehead State University, Morehead, KY.

-Graduate Assistantship - Wetlands. Mike Vepraskas, Department of Soil Science, North Carolina State University, Raleigh, NC.

-Head of Department of Plant Sciences. Hamed Sulaiman Al-Gharibi, Sultan Qaboos University, Sultanate of Oman.

MW
9/19/10

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

March 26, 1993

Alois R. Schmid passed away last week. He was 78 years old.

Tom Murray, Farm Equipment Operator at Rosemount Experiment Station, passed away on Sunday, March 21 of a massive heart attack at his home.

WELCOME

Please welcome Georgina Valle-Razo to the department. She will be a Ph.D. student on the Corn Breeding Project with Robert Stucker.

REMINDER

Students in Agronomy 8280 will meet from 10:00 a.m to 12:00 p.m. beginning on April 1 in 408 Agronomy Building (no fooling) and the remaining classes will meet in 306 Borlaug Hall.

LAB PERSONNEL

There will be a hazardous waste generator inspection on Wednesday, March 31. It applies to any lab or greenhouse. Call Calvin Kole at 6-5146 if you have questions.

SALE

There will be a used furniture sale at 1919 University Avenue, St. Paul (the old Administrative Services Center) for any University department interested on April 13. Call 626-8222 for more information.

FACULTY

The materials you placed on reserve in the library last quarter are in the xerox room (412 Borlaug Hall). Please pick them up!

EXPERIMENT STATION PROJECT REVIEW SEMINAR SCHEDULE

Robert Jones - Tuesday, March 30 at 1:15 p.m. in 306 Borlaug Hall.

Orvin Burnside and Roger Becker - Wednesday, March 31 at 12:00 p.m. in 306 Borlaug Hall.

UNDERGRADUATE BANQUET

The Undergraduate Banquet is scheduled for Tuesday, April 13, starting with a reception at 5:30 p.m. in the Shingle Creek Room of the Earle Brown Continuing Education Center. A special pre-banquet program will be held in 306 Borlaug Hall at 5:00 p.m. This program will demonstrate the use of decision cases in teaching. Ticket price is \$12 for faculty and \$6 for undergraduate students. Please purchase tickets from Lynne in 302 Agronomy Building by Friday, April 9. Thank you.

H.K. HAYES MEMORIAL LECTURE

Mark your calendars! The 20th Annual H.K. Hayes Memorial Lecture will be presented by Dr. Linda Cordell on Friday, June 4 at 3:30 p.m. in 335 Borlaug Hall. Dr. Cordell is currently Irvin Curator and Chairperson of Anthropology at the California Academy of Sciences in San Francisco. She will discuss "Agriculture and the Liberal Education Student."

SEMINAR

Mon. Agronomy & Plant Breeding
March 29 Molecular basis of self-incompatibility. Wojciech Pawlowski in 306 Borlaug Hall at 3:30 p.m.

Wed. Agronomy & Plant Breeding
March 31 Yield testing--replications vs. locations -- resource allocation. Baoshan Shan in 306 Borlaug Hall at 3:30 p.m.

Agronomy & Plant Breeding Seminar for April 5 - David LeGare has been canceled.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor - Environmental Horticulturist. Ed Gilman, Department of Environmental Horticulture, University of Florida, Gainesville, FL.

MIW
9 Ag 86a

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

April 2, 1992

CONGRATULATIONS

Congratulations to Todd Krone as this year's recipient of the H.K. Hayes Graduate Student Award. The award will be presented to Todd at a reception preceding the H.K. Hayes Lecture at 2:30 p.m. on Friday, June 4, in 306 Borlaug Hall. Todd is a Ph.D. candidate working with Dr. Ronald Phillips. Plan to attend the event.

RECEPTION

You are invited to a welcome reception to greet new colleagues from the Department of Ecology, Evolution and Behavior and Bell Museum, Friday, April 9, 3:00-5:00 p.m. Room 150 Ecology Building. The official dedication will be April 21-23.

REQUEST FOR PROPOSALS

The Midwestern Climate Center (MCC) is pleased to announce a small grants research program and hereby solicits proposals for studies that address significant regional climate issues or problems of an applied nature. Proposals should not exceed \$30,000 in requested funds. Pre-proposals are required (two pages maximum). The deadline for pre-proposals is April 30, 1993. See Jeanne for further information.

HAMM SCHOLARSHIP

The 1993 Hamm Scholarship Award program will be Thursday, April 8. There will be a reception beginning at 3:30 p.m. in 110 Green Hall Foyer. The awards presentation and lecture will begin at 4:00 p.m. in 110 Green Hall. This years speaker will be Dr. Clarence H. Ryan from the Institute of Biological Chemistry, Washington State University, Pullman, WA. The title of Dr. Ryan's presentation will be "Polypeptide Signalling for Inducible Plant Defensive Genes".

The two undergraduate scholarship awards go to: Todd Frank, majoring in Agronomy and Agricultural Industries and Marketing; and Bruce Paulsrud, majoring in Animal and Plant Systems.

The graduate scholarship goes to Steven Jacobsen, from the Plant Biological Science Graduate program.

Graduate Students are invited to attend a "Brown Bag" lunch to meet Dr. Clarence Ryan on Friday, April 9, 491 Borlaug Hall from 12:00-1:00 p.m. Please sign up in 411 Borlaug Hall by Thursday, April 8 if you plan to attend.

CIVIL SERVICE AWARDS

The 1993 Civil Service Awards Ceremony will be held Tuesday, April 6 at 3:00 p.m. in 306 Borlaug Hall. The Civil Service Excellence Award and Longevity Certificates will be presented. New civil service staff will also be introduced.

Everyone is welcome so please plan to attend. Coffee, punch and cake will be served following the awards presentation.

AGRO 8280 TIME CHANGE

Note change in time and room number for Agro 8280 Current Topics in Plant Breeding - Thursday, April 9, 3:00-5:00 p.m., 306 Borlaug Hall.

SEMINAR SCHEDULE

If you did not receive your spring Agronomy and Plant Breeding seminar schedule at the March 29 seminar, you may pick one up from Jean Swanson, 411 Borlaug Hall.

PHONE LIST

An updated phone list has been distributed. Please check your listing(s) and give any corrections or additions to Muriel in 411 Borlaug Hall. Thank you.

SEMINARS

Mon., April 5 Agronomy & Plant Breeding
CANCELLED

Forest Resources

The Effects of Multi-year Aeration of a Eutrophic Polish Lake by Bozena Kuklinska, 293 Green Hall, 3:00 p.m.

Brown Bag Seminar

Ecological Agriculture in Cuba by Dr. Dick Levins, Population Sciences, Harvard School of Public Health, 495 Hodson Hall, 12:00-1:00 p.m.

Entomology Seminar

Dynamics of Multispecies Systems, Dr. Dick Levins, 495 Hodson Hall, 3:00 p.m.

Wed. April 7 Agronomy & Plant Breeding
Current and Potential Contributions of African Plant Species to Modern Agriculture, Kingsley Ayisi, 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

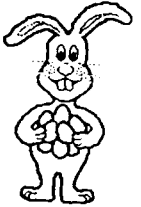
- Assistant Professor in Range Science, tenure-leading, at the Department of Agronomy, University of Nebraska-Lincoln, Dr. Robert C. Shearman, Head, Department of Agronomy, Lincoln, NE by June 15, 1993.
- Foundation Seedstocks Position, HybriTech Seed International, Inc., Lafayette, IN.
- Cornell Cooperative Extension Positions, Cornell University, Ithaca, NY.
- Forage System Specialist, Kerr Center for Sustainable Agriculture, Poteau, Oklahoma, by June 1, 1993.
- Postdoctoral Research Associates, Plant Biochemistry and Molecular Biology, Dr. Ragai Ibrahim/or Dr. Patrick Bulick, Department of Biology, Concordia University, Quebec, Canada.



DAVID SIPRESS. IT'S A CAT'S LIFE (PLUME)

AGRONOMY GLEANINGS

MZW
2/1/88



Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

April 9, 1993

NEW BABY

Congratulations to Eric and Annette Ristau on their new baby girl born on Saturday, April 3. Sophia Marie weighed 7 lbs. 3/4 oz. and is 19" long. She joins big sister Natalie.

CONGRATULATIONS

Congratulations to Judy Slyter who was the recipient of the 1993 Civil Service Excellence Award.



Congratulations to the following individuals for Longevity Certificates:

Jim Stage - 25 years
Gary Linkert - 20 years
Chris Donovan - 20 years
Doug Swanson - 15 years
Marilyn Hole - 10 years

UNDERGRADUATE BANQUET

The Undergraduate Banquet is scheduled for Tuesday, April 13, starting with a reception at 5:30 p.m. in the Shingle Creek Room of the Earle Brown Continuing Education Center. Ticket price is \$12 for faculty and \$6 for undergraduate students. Please purchase tickets from Lynne in 302 Agronomy Building by today.

Scholarships Winners:

E.I. DuPont

David Borgmeier
Todd Pester
Neil Trygestad
Dawn Wyse
Art Killam
Kenneth Franzky

Northrup King

Mary Paulson

Howard C. Abraham

Jason Walsh

Ward H. Marshall - MCIA

Curtis Droogsma
Leanne Matthiesen

Oliver E. Strand

Bruce Paulsrud

Robinson Brothers

Denise Taack
Melanie Cervin
Penny Avoles

W.M. Myers

Todd Frank

Edgar E. Hartwig

Jeffrey Anderson

ASA SPEECH CONTEST

Student Activities Subdivision A-1a speech contest was won by Brent Wiersma and his alternate is Michael Binsfeld. He will represent the University of Minnesota at the ASA meetings in Cincinnati, Ohio.

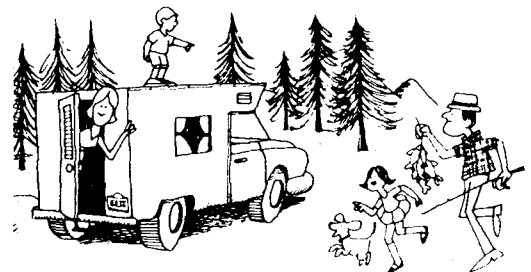
GAMMA SIGMA DELTA

Reservations for the dinner need to be in to Vern Cardwell by Friday, April 16. It will be held on Thursday, April 22. Tickets are \$12.

1993 AGRONOMY FISHING TRIP UPDATE

There is still time to say yes to our annual trip to Leech Lake on June 18-20. Make new friends in the department; join in the fishing contest; swim or lay on the white sand beach; share your catch or other treats at the fish fry and potluck at noon on Saturday; and attend the Sunday brunch for all the "big" fish stories and presentation of the contest prizes. All seven cabins have been filled, but we still have room for people wishing to camp. If you are camping please call me (5-8189) so that you can be placed on my mailing list for additional information.

Jim Halgerson
1993 Chairperson



SELLNER MEMORIAL LECTURE

The Sellner Memorial Lecture will be held on Thursday, April 15 at 3:30 p.m. in 335 Borlaug Hall. The seminar will be presented by Dr. Elaine Tobin, UCLA, "Seeing the light: approaches to understanding phytochrome regulation of transcription."

PLANT BREEDING DISCUSSION GROUP

There will be a discussion group following the Agronomy & Plant Breeding seminar by Ronald Meeusen on Monday, April 12 at 5:00 p.m. in 306 Borlaug Hall.

GRADUATE STUDENTS

All graduate students are encouraged to attend the Graduate Club meeting on Friday, April 16 in 306 Borlaug Hall at 3:00 p.m. The election of officers will take place.

DISTINGUISHED TEACHING AWARDS FOR 1992-93

Deadline for submission of nominations is May 3. Send one original and seven copies of the completed nomination package to the attention of Elise Forrette, 277 Coffey Hall.

WORDPERFECT

If anyone would like to have the "test drive" program for WordPerfect presentations version 2.0, please contact Becky in room 217 Agronomy, 5-4258. We no longer need our copy of the program.

RETIREMENT LUNCHEON

Once again the St. Paul Campus is hosting a retirement party to thank and honor those who have provided support and service to the University and especially the St. Paul Campus. The retirement luncheon will be held in the Earle Brown Center at 12:00 noon on Tuesday, May 11. Tickets for the retirement are \$4 each and can be obtained from Nancy Pitzer at the Information Desk in the Student Center. Ticket deadline is 12:00 noon on Friday, May 7.

FULBRIGHT PROGRAM

Application forms and program descriptions for the 1994-95 Fulbright Program can be obtained from the Office of International Education. Deadlines for most opportunities are August 1, 1993.

SUSTAINABLE AGRICULTURE STUDY GROUP MEETING AND DISCUSSION GROUP

The next meeting will be held on Thursday, April 15 at 4:30 p.m. in the St. Paul Student Center, room 202. Jim Bruns and Donna Goodlaxon, whose farm is called "40 Acres and Ewe", are active participants in community supported agriculture. They will be here to lead a discussion on the whys, wherefores, trials and tribulations of the community supported agriculture phenomenon. Also, an opportunity to share knowledge and ideas about sustainability with high school students at a 4-H citizen participation workshop in June. Please join us -- bring your friends.

WOMEN IN AGRICULTURAL SCIENCE

Spring Quarter Schedule: We meet every other Tuesday at 12:00 noon in room 491 Borlaug Hall. Bring your lunch.

April 20 - Speaker, Laurie Rockne, "Financial Planning for Women"

May 4 - N.S.

May 18 - Progress report on current projects

June 1 - N.S.

June 15 - N.S.

N.S. = nothing scheduled yet

As speakers or topics for discussion are scheduled, they will be announced in the Gleanings.

TRIP TO MOROCCO

Deon Stuthman is leaving for Morocco on Wednesday, April 14 at 12:00 noon. If you would like to have him bring something with him, within reason, please let him know.

PLEASE NOTE

Because of another lunchtime robbery in Voc. Ed., the IAFHE offices will be locked from 12:00-12:45 p.m. You can walk into room 201 Coffey and be greeted by a receptionist over the noon hour, but in general, the other doors for further entrance will be locked. If you need to see someone in the AES accounting office over the lunch hour, please call and arrange this with them ahead of time.

FOR YOUR INFORMATION

Three wallets were stolen from the Vet. Diagnostics Lab late last week from locked desk drawers and backpacks. The desks were opened with a screwdriver. A suspicious male was noticed and described as white, 25-26 years old, dark brown curly/wavy hair over the ear, brown mustache and wearing a brown leather jacket.

A wallet was also stolen last Wednesday from an Extension office in Coffey Hall.

It can't be stressed enough that we must take precautions to prevent these violations from occurring. Obviously, locked doors and desks only slow the process. Keeping your valuables with you whenever you leave your desk seems to be the only way to keep this from happening.

CHANGE OF ADDRESS

Walter C. Wilms
E.I. DuPont de Nemours & Co.
16783 Jaguar Place
Lakeville, MN 55044
(898-2677)

SEMINAR

Mon., April 12 Agronomy & Plant Breeding
New technology for agriculture: The move from lab to field. Ronald Meeusen in 306 Borlaug Hall at 3:30 p.m.

Plant Molecular Genetics
Suppression of stop codons in Zein genes. Irwin Rubenstein in 306 Borlaug Hall at 12:00 noon.

Wed., April 14 Agronomy & Plant Breeding
Identifying candidate genes for quantitative traits. Martin Fabrizio in 306 Borlaug Hall at 3:30 p.m.

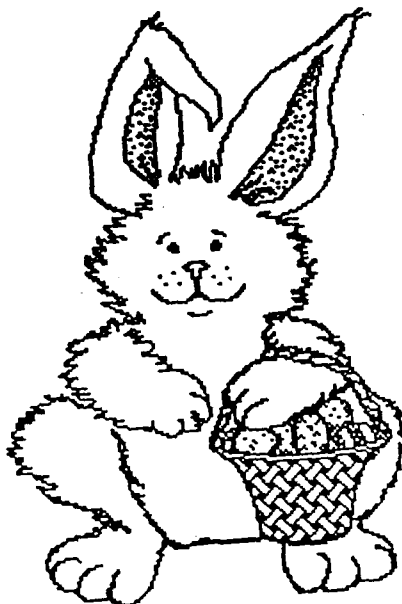
POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Postdoctoral Research Associate. C.D. Carter, Department of Plant Science, South Dakota State University, Brookings, SD.

-Agricultural Technician - Agronomy (2). Claude M. Bonner, Arkansas Cooperative Extension Service, Little Rock, AR.

-Assistant/Associate Professor of Crop Science. E.P. Dunigan, Agronomy Department, Louisiana State University, Baton Rouge, LA.



Happy Easter

AGRONOMY GLEANINGS

MIW
2 Ag 66a

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

April 16, 1993

John Friederichs, certified seed grower, died April 9. The Friederichs family has operated an approved conditioning plant for more than 40 years and have been contract growers of Foundation seed for about 30 years. Mr. Friederichs served from 1971 to 1980 as an MCIA director and is a past president.

THANK YOU

Thank you to the members of the Department of Agronomy for the lovely flowers. It was kind of you to remember us during this difficult time. Al was lucky to have worked with such caring people.

The Family of Al Schmid

CONGRATULATIONS

Congratulations to Ron Phillips who will receive the Purdue University Distinguished Agricultural Alumni Award on April 23. Purdue has 29,000 alumni of the School of Agriculture. Ten awards will be presented at a special convocation. This is the second year Purdue has awarded such a honor to former graduates. Dr. Phillips also will give a seminar in the Department of Agronomy.

Congratulations to Eon Seon Lee who passed her prelim oral exam in Plant Physiology on April 12.

FACULTY MEETING

The next faculty meeting is on Monday, April 19 at 10:00 a.m. in 306 Borlaug Hall.

PROJECT REVIEW SEMINARS

Dr. Ron Phillips
PMGI
Monday, April 19
12:00-12:45
306 Borlaug Hall

Dr. Robert Jones
Project 13-068
Physiology of Corn Productivity
Tuesday, April 20
12:00-12:45
306 Borlaug Hall

U OF M ENVIRONMENTAL FAIR

This year's Environmental Fair will be held on Wednesday, April 21 at the St. Paul Student Center from 10:00 a.m. to 2:00 p.m. and on Thursday, April 22 at Coffman Union from 10:00 a.m. to 2:00 p.m. The fair is intended to educate students and staff about environmental issues.

REMINDER

Title-Summary forms for ASA annual meeting presentations need to be received by division chairs by Monday, May 3.

RETIREMENT LUNCHEON

The annual retirement luncheon is scheduled at 12:00 noon on Tuesday, May 11, in the Earle Brown Center. This year I have the job of coordinating volunteers to help serve the food, etc. If you would like to help at this luncheon, please call me at 625-9226 or fax 625-9728 by April 22. Thanks.

Delores Huebner

PHONE BOOKS

There are 1993-94 Minneapolis White and Yellow Pages in the front of 411 Borlaug Hall. Please drop off your old phone books for recycling.

SEMINAR

Mon., **Agronomy & Plant Breeding**
April 19 Ecology and genetics of plant interactions. Ruth Shaw in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Scientist and Superintendent. Lee E. Sommers, Department of Agronomy, Colorado State University, Fort Collins, CO.

-Area Extension Agronomist (Soybean/Wheat Research Verification Trial Coordinator). Claude M. Bonner, University of Arkansas, Little Rock, AR.

*I have a spelling checker.
It came with my PC;
It plainly marks four my revue
Mistakes I cannot see.
I've run this poem threw it
I'm sure your pleased too no.
It's letter-perfect in it's weigh.
My checker tolled me sew.*

Star & Tribune (April 16, 1993)

AGRONOMY GLEANINGS

MIW
9/28/88

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

April 23, 1993

Rebecca Goodrich, mother of Dr. Richard Goodrich (Head of the Animal Science Department), passed away Sunday, April 18 after a prolonged illness. I have written to Richard and, on behalf of the Department, expressed sympathy.

Kent Crookston

NEW BABY

Congratulations to Steve and Gracia Plehn on their new baby boy born on Wednesday, April 7 in Georgia. Caleb Andrew weighed 6 lbs. 15 oz. and was 21" long.

THANK YOU

I would like to thank the department for the W.M. Myers scholarship that I received at the undergraduate banquet. I will be using the money to pay for my spring quarter tuition. I was surprised and honored to be named this years recipient.

Departmental support of the undergraduate education at the U of M has been outstanding. Support via scholarships, the Gopher Crops & Soils Club, Collegiate Crops Judging Team, and departmental jobs are all crucial in helping the undergraduates to build a solid resume for their future. I would like to thank the department for all they have done during my education at the U of M.

During my education I hope I have provided the department with anything they have asked of me. I wish the department well in all of their future endeavors and decisions. Thank you again for the scholarship and for the support of undergraduate education for myself

and others.

Todd E. Frank

CONGRATULATIONS

Congratulations to the new Agronomy & Plant Genetics graduate student club officers:

President - Jonathan Shaver
Vice President - Phil Schwab
Secretary - Jane Jewitt
Treasurer - Liz Stahl

And thanks to all who are chairing and participating in various committees for the Grad Club.

TRAINING

Quality Improvement Initiative, Leader, Facilitator, and Team Member Training presented by Judith A. Gaston, UM Quality Improvement Specialist, Office of Academic Affairs. Topics covered in basic training include quality team roles and responsibilities, key concepts and competence in the quality improvement process, and applying quality improvement techniques in the workplace.

Training is open to all University employees and is offered at no charge to participants. The one day basic training course is offered on the following dates: Monday, April 26, Monday, May 17, and Tuesday, June 8. Leader-Facilitator training is offered mornings on Tuesday, April 27 and Tuesday, May 18. For more information contact Judith A. Gaston, 627-4277, or Dee Anne Bonebright, Academic Affairs, 232 Morrill Hall, FAX 624-3814.

FFA

The FFA Convention is scheduled for April 26-27. The COA Dean's Reception for FFA Advisors is scheduled for April 26 from 2:00-3:00 p.m. in the Belgium Room of the Earle Brown Center. Dean Jones strongly encourages major coordinators, advisors, department heads, and instructors involved in undergraduate education to attend.

BRING YOUR DAUGHTER TO WORK

Faculty and staff are invited to bring their daughter (or niece) to work on April 28. The morning will be spent in the parent's work setting, tours and an ice cream social are scheduled for the afternoon. Contact Betty Davidson by today at 4-6252 if you wish to participate in the activities.

REMINDER

Please sign up for the Franklin Planner seminar by Monday, April 26. The seminar will be held all day on Thursday, May 13.

SPECIAL AGRONOMY SEMINAR

Rethinking the Agricultural Science Disciplines. Professor William Lockeretz on Wednesday, April 28 in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Biochemist. Michael M. Sanders, Department of Biochemistry, University of Minnesota, Minneapolis, MN.

-Biophysicist. Douglas H. Ohlendorf, Department of Biochemistry, University of Minnesota, Minneapolis, MN.

AGRONOMY GLEANINGS

*WJW
2/29/93*

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

April 30, 1993

WELCOME

Please welcome Susan Stombaugh, a new postdoc working in John Gronwald's lab.

Please welcome Sang Hyon Lee (Brian). He is a graduate student from Korea and will be working with Craig Sheaffer. His office is 413 Agronomy Building.

VEHICLES

It is that time of the year again when cars are being used constantly. We need to have the keys returned promptly so that people are not inconvenienced. The department will charge a \$5 assessment each time we have to hunt for a set of keys. Please return your keys to the mail slot at the department mailboxes when we are closed or directly to 408 Borlaug Hall.

NOTICE

Have you a friend or relative who teaches or administrates at a public school in the area? Two very dear (Thai) friends of mine who teach high school in Thailand will be visiting from May 10-14. I know they would love to spend part of a day at an American high school - unobtrusively visiting classes, seeing facilities, and talking with American teachers. If you know of someone who could help arrange a visit like this, please contact Meg Moynihan at 5-8189 or through Agronomy mailbox 64.

PLANT BREEDING DISCUSSION GROUP

There will be a discussion group meeting on Thursday, May 6 at 7:00 p.m. in 306 Borlaug Hall. Dr. Phillips will present "Thinking About Heterosis."

1994-95

FULBRIGHT OPPORTUNITIES IN AGRICULTURE AND RELATED FIELDS

Fulbright opportunities in agriculture and related fields are being offered in many countries for the 1994-95 academic year. Lecturing, research and combined lecturing/research grants are available. Both prescribed assignments and open awards for which candidates can propose their own lecturing or research endeavors are offered, depending upon the country.

Fulbright Award Benefits:

Award benefits vary by country program and type of award.

Benefits may include:

- Round-trip travel for the grantee and, in many instances, for a principal dependent when the grantee's award is fully funded for the full academic year;
- Maintenance allowance;
- Incidental allowances in certain countries for baggage, for books and services, and for travel within the country;
- Housing (or housing allowance) in some countries;
- Tuition allowance in certain countries;
- Sabbatical leave-of-absence, or retirement pay may be received concurrently.

Eligibility

- U.S. citizenship is required at the time of application.
- A doctorate is usually required at the time of application.
- Proficiency in a foreign language is required for some awards, as noted in the awards announcement.

Application Deadline is August 1, 1993. All world areas. For more

information see Jeanne Davy.

WOMEN'S WELLNESS PROJECT

The University of Minnesota Commission on Women has awarded a 1993 Special Grant of \$1,000 to the St. Paul Campus Women's Wellness Project. The organizing committee is excited about this opportunity to recognize and motivate women in efforts to promote their own health. In an effort to involve all St. Paul Campus departments and units, they request a faculty, staff, or student from each unit to participate on a working committee. The Women's Wellness Project is scheduled to take place September 1-15. Subcommittees will work through the summer months to organize, promote and implement this project. Please contact Jeanne Davy before May 7 if you are interested in representing the Agronomy Department.

SEMINAR

Potential Benefits of Biotechnology for World Hunger. Peter Day, Director of the Center for Agricultural Molecular Biology, Rutgers University. It will be held on Monday, May 10 from 2:50-4:00 p.m. in 155 Earle Brown Center. A panel discussion will be held on Tuesday, May 11 from 3:15-4:30 p.m. in 150 Ecology Building.

BIKE & CAMPING GEAR SWAP

Bring in clean and usable gear on Monday and Tuesday, May 10-11 from 9:00 a.m. to 8:00 p.m. to the St. Paul Student Center, North Star Ballroom. The gear will be on sale Wednesday and Thursday, May 12-13 from 9:00 a.m. to 8:00 p.m. and Friday, May 14 from 9:00 a.m. to 5:00 p.m.





SPRING PLANT SALE

The University of Minnesota Horticulture Club will be having their spring plant sale starting Thursday, May 13 until Saturday, May 15 from 9:00 a.m. to 5:00 p.m. They will be selling wildflowers, annuals, perennials, vegetables, herbs, grasses, and hanging baskets. It will be held at the St. Paul Student Center.

SPANISH LESSONS

If anyone is interested in learning Spanish, contact Lynne Medgaarden (5-4742) or Suzanne Livingston (5-1208).

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Assistant in Weed Science. Gerry L. Posler, Department of Agronomy, Kansas State University, Manhattan, KS.

-Associate Program Director. Kathy Bahma, Humphrey Institute of Public Affairs, University of Minnesota, Minneapolis, MN.

-Research Assistant. Ron Gelderman, SDSU - Plant Science Department, Brookings, SD.

-Director of Education. Director of Education Position, The Land Institute, Salina, KS.

-University Grievance Officer. Chair, Grievance Officer Search Committee, Office of the President, University of Minnesota, Minneapolis, MN.

-Technical Services/Marketing Director. Red River Valley Potatoe Growers Association, East Grand Forks, MN.

-Graduate Research Assistantships. Brahm Verma, Department of Biological and Agricultural Engineering, The University of Georgia, Athens, GA.

AGRONOMY GLEANINGS

MLW
2 Ag 860a

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 7, 1993

CONGRATULATIONS

Congratulations to the following faculty whose promotions have been approved effective July 1, 1993.

Roger Becker to Assoc. Professor with Tenure

Nancy Ehlke to Assoc. Professor with Tenure

Frank Forcella to Adjunct Assoc. Professor

David Somers to Professor

WELCOME

Please welcome Allen Gardner, a new Research Plot Technician, working with Jim Orf on the soybean project.

NEW COORDINATOR

Mark Bultmann is the new Coordinator of Student Services for the College of Agriculture. He begins this position on May 1. His office is in 277 Coffey Hall, 624-2746.

GRANT

Information is available on the CSRS Biotechnology Risk Assessment Research Grants Program for Fiscal Year 1993. For application kit, please call Ruth Sanborn at 625-4211, AES. The deadline is June 14, 1993.

RECYCLE PLASTIC

You can now recycle all your polypropylene plastic waste. Contact Shahryar Kianian (513, 503, or 407 Borlaug Hall) for more details.

PLANT MOLECULAR GENETICS SEMINAR

Genetic Dissection of Maturity in Maize by Ronald L. Phillips. It will be held on Monday, May 10 at 12:00 noon in 408 Agronomy Building.

WOMEN IN AGRICULTURAL SCIENCE

Marty Rossman, an associate professor in Vocational and Technical Education, will give a talk on Tuesday, May 18 at 12:00 noon in 491 Borlaug Hall. Her talk is titled "Balancing Work and Family." Bring your lunch and join us!

CONFERENCE

Conference on Science and Sustainability: Reshaping Agricultural Research and Education, October 24-26, Red Lion Hotel, Bellevue (Seattle), Washington. The conference will focus on quantitative and qualitative methodologies for solving critical production, environmental, and social problems associated with the establishment and continuation of sustainable agricultural systems. The program will feature innovative integrated research projects, non-traditional research and education methodologies, institutional strategies for increasing interdisciplinary research, and a poster session. The conference is co-sponsored by the Western Region SARE Program, and the Center for Sustaining Agriculture and Natural Resources at Washington State University. For registration information contact Ms. Normal Fuentes-Scott, 509-335-2921 and for program/poster information contact Ms. Colette De Philips, 509-335-2887.

RESEARCH SYMPOSIUM

I am writing to encourage you to come to the annual Life Sciences Undergraduate Research Symposium to be held between 1:30 and 4:00 p.m. on Thursday, May 20 in the new Ecology Building. Life sciences students from all other campus have prepared professional-style posters describing their research, and are eager to share their findings with friends and faculty. Both the students and their faculty mentors are always particularly flattered to have a dean or department head stop by to see their work. From your perspective, this is a next opportunity to include some teaching and research in the administrative duties on your schedule. Everyone is welcome. Refreshments will be served.

Sally Jorgensen
Associate Dean

CUSTODIAL SERVICES

Effective June 1, several changes will be made in custodial services. These changes include extending eight hour shifts to eight and one half hours, adding a third shift, and changing the shift times. This will provide custodial services for nearly 24 hours a day, five days a week to handle emergency situations. Custodians will perform regular cleaning on the third shift after the buildings are empty. If you have any comments or concerns regarding these changes, please call Facilities Management at 4-2288.

HAZELTINE GOLF COURSE

The Gopher Crops and Soils Club would like to invite any interested faculty to accompany them on a tour of Hazeltine National Golf Course on May 20, leaving at 3:00 p.m. Contact Lynne in 302 Agronomy if you would like to join them.

STEAK FRY

Everyone is invited to join the Gopher Crops and Soils Club for their Annual Steak Fry on Wednesday, June 2, at 5:00 p.m. at Central Park in Roseville at the Jaycee Shelter off Lexington and County Road C. Purchase tickets from Lynne for \$5.00, children under 10 are free.

Rumor has it that the undergraduate have challenged the faculty/graduate students/post docs to a softball game that evening...That is if they aren't scared of the awesome undergrad team.

H.K. HAYES LECTURE

Don't forget to mark your calendars for the H.K. Hayes Lecture and Award Presentation on Friday, June 4, 1993. The award presentation to Todd Krone and a reception will start at 2:30 p.m. in 306 Borlaug. The lecture by Dr. Linda Cordell will start at 3:30 p.m. in 335 Borlaug Hall. The title of the lecture is "Ancient Native American Farmers: Lessons for Agriculture and Liberal Education."

CONGRATULATIONS

Congratulations to Heidi Mickelson, Oscar Riera-Lizarazu, Jochum Wiersma, Greg Gingera, and Dave Pazernick on passing their plant breeding written prelim exams.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor of Plant Molecular Genetics; Assistant Professor of Soil Fertility/Mineral Nutrition; Assistant Professor of Weed Science. G.H. Heichel, Department of Agronomy, University of Illinois at Urbana/Champaign, Urbana, IL.

-Cooperative Extension Educators. Cornell Cooperative Extension, Staff Development and Recruitment, Cornell University, Ithaca, NY.

-Research Associate. Robert C. Shearman, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, NE.

-Technical Services/Marketing Director. Red River Valley Potato Growers Association, East Grand Forks, MN.

-Ph.D. Graduate Assistant. James Oard, Agronomy Department, Louisiana State University, Baton Rouge, LA.

-Pesticide Applicator Training (PAT) and Pesticide Impact Assessment (PIA) Coordinator. Darryl Sanders, Department of Entomology, University of Missouri, Columbia, MO.

-Extension/Research Assistant Professor of Agronomy/Weed Science. Michael S. DeFelice, Agronomy Department, University of Missouri, Columbia, MO.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 14, 1993

9 MIW
2 Ag class

NEW BABY

Congratulations to Dennis and Debbie Dolan on their new baby girl born on Saturday, April 24. Lindsay Marie weighed 7 lbs. 11 1/2 oz.

WELCOME

Please welcome Blair Waldron, a new graduate student working with Nancy Ehlke.

REMINDER

The all-department forum to evaluate the department's name will be held on Monday, May 17 at 10:00 a.m. in 306 Borlaug Hall. All members of the department are invited. The forum will run from 10:00 a.m. to 11:00 a.m. The departmental faculty meeting will follow the forum.

AG AWARENESS DAYS

The graduate students from the Animal Science Department would like to invite you to their Agricultural Awareness Days. It will be held on Thursday, May 20 from 8:30 a.m. to 3:30 p.m. and Friday, May 21 from 8:30 a.m. to 2:00 p.m. You are welcome to drop-in anytime. There will be fourth and fifth graders touring the different displays and short tours will be given. It will be held at the Ag Arena. If you have questions or would like a specific tour, please call Cherie Ziemer at 4-6216.

TGIF

The Grad Club social committee is planning the first of many TGIFs scheduled for Friday, May 21 at 4:00 p.m. in 306 Borlaug Hall. Food and beverage will be provided, and all grad students are welcome.

HOUSING

The housing committee will be providing maps and a list of sources of housing information to incoming grad students. The housing committee would also be interested in advertising for people in the department that are looking for roommates. Notify Steve Wagner or Scott Ruess if you need or know of any housing opportunities.

ADVERTISEMENT #1: Steve and Scott are looking for two roommates to share a big house for a good price, and only a half mile from campus.

PH.D. THESIS DEFENSE

Corn and Soybean Cropping Sequence Affects Root Health and Development. Sister Esther Nickel at 9:00 a.m. on Wednesday, May 19 in 306 Borlaug Hall.

STEAK FRY

Gopher Crops & Soils Club will have their annual Steak Fry on Wednesday, June 2 at 5:00 p.m. It will be held at Central Park in Roseville at the Jaycee Shelter. Purchase tickets from Lynne in 302 Agronomy Building for \$5, children under ten are free.

H.K. HAYES LECTURE

The H.K. Hayes Lecture and Award Presentation will be held on Friday, June 4. The award presentation to Todd Krone and a reception will start at 2:30 p.m. in 306 Borlaug Hall. The lecture will start at 3:30 p.m. in 335 Borlaug Hall.

MINNESOTA INSTITUTE FOR SUSTAINABLE AGRICULTURE

Special Public Seminars

Agenda for sustainable agriculture in the Midwest by candidates for MISA Coordinator.

Thursday, May 20

Charlene Chan-Muehlbauer -
10:30 a.m. in 125 Coffey Hall

Jane Maland - 2:00 p.m. in 306
Borlaug Hall

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Postdoctoral Associate. D.R. Pring, USDA-ARS, Department of Plant Pathology, University of Florida, Gainesville, FL.

-Director, Resource and Crop Management Division. Lukas Brader, International Institute of Tropical Agriculture, Croydon, England.

-Assistant Professor. R. Gordon Harvey, Department of Agronomy, University of Wisconsin-Madison, Madison, WI.

-Program Coordinator -- Sustainable Agriculture Education. Doug Nopar and Debbie Rislow, Land Stewardship Project, Lewiston, MN.

-Research Associate. S.L. Ladd, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Agronomic Scientist. Paul Clayton, Land O'Lakes, Inc., Webster City, IA.

-Assistant Sugar Beet Breeder. Clyde Trupp, American Crystal Sugar Company, Nampa, ID.

1993 Branch Station Field Days

Morris

Summer Station Field Day - July 8
Horticulture Night - July 29
Fall Crops & Soils Day - September 14
Beef Feeders Day - December (no day set)
Dairy Day - December (no day set)

Crookston

Small grain/Sugarbeet - mid-July
Hort Tour - mid-August

Grand Rapids

Minnesota Beef Cattle Improvement Tour - June 5*
Forage/Livestock Day - July 22*
Wild Rice Tour - July 29
Low Input Sustainable Agriculture - August 5*
Horticulture Day - August 25
*These days are still tentative and the actual set day will be based on the optimum time to observe certain crops or plants.

Waseca

Crops and Soils Field Day - June 22
MN Food Processors Raw Products Field Day - 2nd week in July
Corn and Soybean Field Day - September 16
Clergy Day - September 17

Lamberton

Summer Field Day - June 23
Fall Field Day - September 15

AGRONOMY GLEANINGS

MIW
24986a

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 21, 1993

Mr. Gus Kveen, a prominent seed producer of Roseau County, died on Saturday, May 15. Funeral services were held on Wednesday, May 19. Mr. Kveen was elected as a premier seed grower in 1946 and Mr. Crop Crop Improvement in 1979.

Mrs. Myrtle Emmer (widow of Forest R. Emmer), died this week. She was 93.

CONGRATULATIONS

Congratulations to Bill Lueschen, who has accepted the position of Superintendent at the Southwest Experiment Station in Lamberton.

MISSING

Please return the backpack sprayer to the Agronomy greenhouse.
Thanks, Pamela

NSF

Information on 1993 Graduate Research Traineeships is available. The deadline for proposals is June 25, 1993. See Jeanne for specific details.

STEAK FRY

Everyone is invited to the Gopher Crops & Soils Club Steak Fry on Wednesday, June 2 at 5:00 p.m. It will be held at Central Park in Roseville at the Jaycee Shelter. Purchase tickets from Lynne by Friday, May 28 in 302 Agronomy Building. Tickets are for \$5, children under ten are free.

H.K. HAYES LECTURE

The H.K. Hayes Lecture and Award Presentation will be held on Friday, June 4. The award presentation to Todd Krone and a reception will start at 2:30 p.m. in 306 Borlaug

Hall. The lecture will start at 3:30 p.m. in 335 Borlaug Hall.

PLANT MOLECULAR GENETICS SEMINAR

Progress on transformation and transposon tagging in *Chlamydomonas*. Pete Lefebvre and Julie Nelson on Monday, May 24 at 12:00 noon in 306 Borlaug Hall.

SEMINAR

Risk Assessment: Part of Biotechnology or its Nemesis? Gus A. deZoeten, Chair, Department of Botany and Plant Pathology, Michigan State University. It will be held on Monday, May 24 from 3:15 - 4:15 p.m. in 110 Green Hall. A panel discussion will meet on Tuesday, May 25 from 3:15-4:30 p.m. in 150 Ecology Building.

There will be an informal, open discussion with Professor deZoeten from 1:30-2:30 p.m. on Tuesday, May 25 in 408 Agronomy Building.

WOMEN IN AGRICULTURAL SCIENCE

Topics for the next meetings:

June 1 - We will try to make a final decision on the questions to be continued in the Ph.D. graduate survey.

June 15 - Potluck lunch! Last meeting until fall quarter.

We will be meeting in 491 Borlaug Hall at 12:00 noon.

PLANT BREEDING DISCUSSION GROUP

There will be a discussion group meeting on Thursday, May 27 at 7:00 p.m. Dr. Gengenbach will

host a discussion on plants as intellectual property. We will meet at his house, 1994 Beacon Street in Roseville.

LIBRARY

The library is missing Volume 10 of the Canadian Journal of Genetics and Cytology. Please return this bound journal immediately. Bound journals should never be taken from the departmental library. Also, please check your offices and return any books, theses, journals, and other miscellaneous items you may have borrowed. We are missing many theses and books. When you check materials out of the library be sure to sign them out and leave the card in the file near the door.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Agricultural Specialist in Small Grains Breeding at Georgia Agricultural Experiment Station. Jerry W. Johnson, Department of Crop and Soil Sciences, University of Georgia, Griffin, GA.

-Dairy and Livestock Agent in Clark County. CE Personnel, Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

-Agricultural Agent in Kewaunee County. CE Personnel, Cooperative Extension, University of Wisconsin-Extension.

-Graduate Research Assistantships in Crop and Soil Sciences. S.L. Ladd, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Assistant Professor in Turfgrass Research and Teaching. William F. Campbell, Department of Plants,

Soils, & Biometeorology, Utah
State University, Logan, UT.

-Biochemist. Douglas H.
Ohlendorf, Department of
Biochemistry, University of
Minnesota, Minneapolis, MN.

-Postdoctoral Research Associate
for Enhancing Barley Quality. This
position is directed toward
development of barley with
improved feed and malt
characteristics. Tom Blake, Plant
and Soil Science, Department,
Montana State University,
Bozeman, MT.

-Laboratory Research Associate in
Barley and Wheat Genetics. This
position is funded by a 3-year
USDA competitive research grant.
Tom Blake, Department of Plant and
Soil Science, Montana State
University, Bozeman, MT.

AGRONOMY GLEANINGS

MTW
2/29/86

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

May 28, 1993

CONGRATULATIONS

The following undergraduate students from our department made the College of Agriculture Dean's List for Winter Quarter 1993. These students carry at least 12 credits per quarter and achieve a grade point average of 3.7, or better.

Penny Avoles
Todd Frank
Mary Paulson
Troy Salzer
Christina Sonterre
Denise Taack

STEAK FRY

The Gopher Crops & Soils Club Steak Fry will be held next Wednesday, June 2 at 5:00 p.m. It will be held at Central Park in Roseville at the Jaycee Shelter. Purchase tickets from Lynne by **TODAY** in 302 Agronomy Building.

H.K. HAYES LECTURE

The H.K. Hayes Lecture and Award Presentation will be held on Friday, June 4. The award presentation to Todd Krone and a reception will start at 2:30 p.m. in 306 Borlaug Hall. The lecture will start at 3:30 p.m. in 335 Borlaug Hall. Dr. Linda Cordell will present the lecture, "Ancient Native American Farmers: Lessons for Agriculture and Liberal Education."

HOLIDAY

Monday, May 31 is Memorial Day. The University of Minnesota will be closed.

REFRIGERATOR IN 408

We will be cleaning the refrigerator in 408 Agronomy next Wednesday, June 2. If you want to save anything in that refrigerator mark it or move it. We will be throwing out anything that is not marked.

PERFORMING ARTS COMMITTEE

The Performing Arts Committee is responsible for scheduling arts programs in Coffman Memorial Union and the West Bank Union. The committee is staffed entirely by student volunteers and funded by student fees. In the 1993-94 academic year we plan to offer music, dance, theatre, and literature in the unions on a regular basis. To do this, we need as many students staff members as possible. If any students are interested in joining the staff, they can call Mary Petrie at 624-5015.

BRANCH STATION FIELD DAYS

Minnesota Beef Cattle Improvement Tour - Saturday, June 5 in Grand Rapids, MN.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Extension Citrus Management Specialist and Assistant Plant Physiologist. Applied and basic research on soil/water/rhizosphere management in citriculture will be the primary research responsibility. R.T. Leonard, Department of Botany and Plant Sciences, University of California, Riverside, CA.

-Acting Extension Educator (Temporary position). Extension

Personnel, University of Minnesota, St. Paul, MN.

-Assistant Professor, Horticulture/Environmental Science. Teaching of courses in the areas of horticulture and environmental science. Peter Gallagher, Agricultural Sciences, Technology & Education Department, Louisiana Tech University, Ruston, Louisiana.
- Plant Science Research Scientist, Abbott Laboratories, Chemical and Ag. Products Division, Ph.D. in plant science area, Abbott Park, IL.

PH.D. DEFENSE

Spring barley (*Hordeum vulgare* L.) development in relation to light quality. Michael H. Davis. Thursday, June 3, 1993, 9:00 a.m. in 306 Borlaug Hall.

FOR SALE: SIX APARTMENTS IN THE "WHITE CASTLE"

1666 Coffman, on Larperteur Avenue across from the UM Golf Course and Gibbs Museum, is a privately-owned, 93-unit condominium for present or past UM civil service and faculty employees who are at least 55 years of age.

Presently available are three 1-bedroom units ranging in asking price from \$52,500 to \$79,900, two 2-bedroom units at \$98,900 and \$110,000, and a deluxe 2-floor unit at \$155,000. Two more 1-bedroom units are expected to be available soon.

A brochure describing 1666 can be obtained by phoning the Coffman office, 644-4541, weekdays from 9-11 am or 6-7 pm.

Bob Robinson

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 4, 1993

NEW BABY

Congratulations to Debra Martin and Rod Feddersen on their new baby boy born on Wednesday, May 26 at 2:46 a.m. Martin Theodore weighed 8 lbs. 11 oz. and was 21" long.

CONGRATULATIONS

Congratulations to Oscar Riera-Lizarazu who passed his oral prelims on Tuesday, May 25.

FAREWELL COFFEE

There will be a farewell coffee for Mike Davis on Friday, June 11 at 9:30 a.m. in 306 Borlaug Hall.

PLANT BREEDING

The Plant Breeding Graduate Program has received another \$25,000 grant from Pioneer Hi-Bred International, Inc., to support the education of applied plant breeding graduate students.

RESEARCH INTERN

This summer, a high school summer science research intern will be working with Steve Simmons' project (plant physiology & crop ecology) on germination response of annual medic species (*Medicago* spp.) to different temperature regimes. If your project could make available space for three or four large beakers in your germination chamber(s), would you please contact Meg Moynihan at 5-8189. The student will be with us from mid-June to early August. Thank you.

MINNESOTA HISTORICAL SOCIETY

Some of us have assisted with the development of the exhibit, *Manoominikewin: Stories of Wild Ricing*, located in the new Minnesota History Center, 345 Kellogg Boulevard West, St. Paul (296-6126). The exhibits planning team invites departmental staff, colleagues, or family to join them on:

•Saturday, June 5 from 10:00 a.m. to 5:00 p.m., Public opening day with special programming.

The exhibit includes the history of cultivated and lake wild rice.

Erv Oelke

MINNESOTA INSTITUTE FOR SUSTAINABLE AGRICULTURE

Special Public Seminars

Agenda for Sustainable Agriculture in the Midwest by Candidates for MISA Coordinator.

Tuesday, June 8

Heidi Carter - 10:00 a.m. in 375 Borlaug Hall

Ann Victoria (Vicky) Feldman - 1:30 p.m. in 375 Borlaug Hall

AGRICULTURAL AMBASSADORS

I am pleased to announce that the Agricultural Ambassadors were presented with the Saturn Award for Project Outreach on May 5, 1993. Project Outreach was created by the group in response to changes in the recruitment staff of the college. The Ambassadors set a goal to complete 50 outreach visits between November 1, 1992 and February 1,

1993. As of February 1, they had completed 45 visits and as of April 1, 65 visits were completed. The Saturn Award recognizes student organizations who demonstrate outstanding teamwork. The award consists of \$1,000 for the organization and a trophy. The Agricultural Ambassadors will now compete in the National Saturn Competition for an award of \$5,000.

I am very pleased that our Agricultural Ambassadors have received this award. It is a fitting acknowledgement of the leadership skills they exhibit in serving the College of Agriculture. Please join me in congratulating the Ambassadors on their accomplishments.

Richard Jones, Dean

NOTICE

The gas at the Farm Shop pumps averages ten to 20 cents less than regular gas stations, so it is to the departments and your projects advantage to fill-up there as often as possible.

CHOLINESTERASE TESTING

Personnel that took the cholinesterase test earlier this spring need to be reminded that you need to be retested within 24 hours of spraying. Just check back at the same location in Boynton Health Service that you took the first test. Any questions call Barb Rangel at 4-4631.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Associate/Post Doctorate. Conduct basic plant molecular biology research on tissue specific gene expression in soybeans. Richard A. Vierling, Department of Agronomy, Purdue University, West Lafayette, IN.

-Assistant Continuing Education Specialist. Develop, schedule, maintain, and promote noncredit course offerings. Margaret Mattlin, Extension Classes, University of Minnesota, Minneapolis, MN.

-Graduate Research Assistant, Soil Science/Agronomy. Douglas Malo, South Dakota State University, Brookings, SD.

-Project Research Assistant. Preparing summary reports on sustainable agriculture as it affects water quality. Susan Schmidt, Legislative Water Commission, St. Paul, MN.

-Sustainable Agriculture Specialist. Work with Minnesota farmers in transition to more sustainable systems. Mary J. Hanks, Minnesota Department of Agriculture, St. Paul, MN.

-Graduate Assistants available in Horticulture. P.J. Breen, Department of Horticulture, Oregon State University, Corvallis, OR.

-Associate Scientist position in maize transformation; Post Doctoral Scientist position in applied molecular genetics. David Hoisington, CIMMYT, Mexico.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 11, 1993



Congratulations to Todd Krone who was awarded the H.K. Hayes Award on Friday, June 4.

CONGRATULATIONS

Congratulations to Vern Cardwell. He is the 1993 recipient of the Agriculture Student Board's Outstanding Teacher of the Year. Also, congratulations to Larry Smith, recipient of the Minnesota Student Association Gordon L. Starr Award. Both of these awards are the result of student nominations.

Congratulations to Tabare Abadie who was awarded a 1993-94 Doctoral Dissertation Fellowship from the Graduate School. The Graduate School received 126 nominations but only 1/3 were awarded fellowships.

The following students, advised by our undergraduate faculty, received their baccalaureate degrees on Sunday, June 6.

Agricultural Industries & Marketing

David Borgmeier
Andrew Evuleocha
Teresa Koubsky
Neil Trygestad
James Yanta

Agricultural Industries & Marketing & Agronomy

Todd Frank

Agronomy

Roger Caspers
Todd Vagts

Animal & Plant Systems

Jeff Anderson
Eric Barth
Tracy Diers
Doug Holen
James Krebsbach
Erik Levorson
Todd Pester

Science in Agriculture

Nancy Vetscher
Melissa Simpson
Dawn Wyse

WELCOME

Please welcome Don Shoeman, a scientist, who will be working in John Gronwald's lab.

Please welcome Sabra Shehata and Soliman A. Soliman, students visiting from Egypt. Their office is 413 Agronomy Building.

FACULTY MEETING

The next faculty meeting will be held on Monday, June 14 at 10:00 a.m. in 306 Borlaug Hall.

PHOTOLAB

The Photolab is tentatively scheduled to close permanently on June 30, 1993. If you need to have a portrait taken, schedule it immediately. Also, anyone having a portrait on file may want to order copies for future use. Pick up supplies that you need and get any special work that you need done (i.e. thesis and journal prints) before they close. Don't wait until the last day.

FIELD DAYS

Crops and Soils Field Day will be held on Tuesday, June 22 at the Southern Experiment Station in Waseca. An orientation tour and steak fry will be held at 6:30 p.m. on Monday, June 21.

Summer Field Days will be held on Wednesday, June 23 at the Southwest Experiment Station in Lamberton.

AGRONOMY 8260

As you are probably aware of, the class "Statistical Topics in Plant Sciences" is bound to disappear because there is no instructor available. Some of you, however, might see this as a loss (either personal or departmental). To those that are interested, Dr. Stucker is willing to lead a discussion class where statistical topics can be explored. This discussion class would be in an informal setting with no credits available and topics should be brought up by students. For those that are interested please contact Jochum Wiersma this summer or fall.

NAME CHANGE

The title of Branch Station Superintendent for Agricultural Experiment Stations has been changed to Branch Station Head.

LIBRARY RENEWALS BY FAX

University Libraries are now accepting requests for library book renewal at the following numbers:

St. Paul Campus Library - 624-9245
Wilson Library - 626-8968
Walter Library - 624-8518
Bio-Medical Library - 626-2454
Law Library - 625-3478

NEW OFF-CAMPUS HOUSING OFFICE

A new office for Off-Campus Housing will open on Monday, June 14 on the St. Paul Campus. It will be located in 190 Coffey Hall.

Services available:

- Listings of available rooms, apartments, and houses.
- Maps of Minneapolis and St. Paul Campus and vicinity.
- MTC and Inter-Campus Bus schedules.

-Answers to general housing questions. The office will be open from 8:00 a.m. to 4:15 p.m., Monday through Friday. This office is only open for the summer.

SPECIAL SEMINAR

Plant Biotechnology Initiatives for International Agricultural Development to Achieve Pest Resistance. David Altman in 306 Borlaug Hall on Tuesday, June 15 from 11:00 a.m. to 12:00 noon.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Specialist - Floriculture. To disseminate up-to-date research to flower growers, commercial floriculturists and to extension agents. G. Douglas Crater, Ornamental Horticulture and Landscape Design, Knoxville, TN.

-Assistant Professor in vegetable crop extension program. Michael H. Dickson, Department of Horticultural Sciences, Cornell University, Geneva, NY.

-Graduate Assistantship in wheat breeding and genetics. R.S. Zemetra, Department of Plant, Soil and Entomological Sciences, University of Idaho, Moscow, ID.

-Manager, Regulatory Affairs/Biotechnology. Securing selective EPA and FDA registrations and guidance on seed regulatory aspects. Pamela Siedlecki, FCI, Inc., Shrewsbury, NJ.

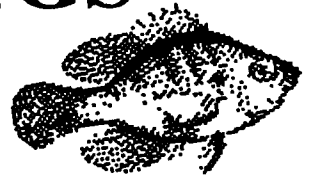
RIDDLE

What two coins add up to .55¢ and one is not a nickel?
(Answer will be printed next week).

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 18, 1993



NOTICE

The departmental vehicles (from sign out sheet) will be parked temporarily either north of the Crops Research Building or the contract lot next to the greenhouse. If you have any questions, please call Mike McClellan at 5-1784.

COMPUTER ROOM

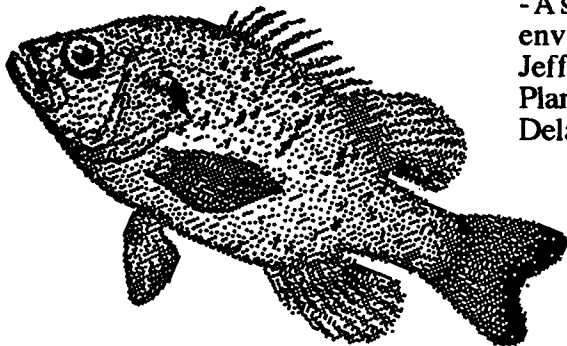
The combination for the computer room will be changed on Monday, June 21.

PHOTOLAB CUSTOMERS

The photolab has received new news that closing the lab is now under review and they will not be closing June 30. It depends upon two things; the closing of North Hall, and the recommendations of this review. They will be open at least until August and possibly another year depending on the outcome of the review. Assoc. VP Mark Brenner is chairing the review. The photolab will continue to offer a full range of services.

FISHING TRIP

The department fishing trip will be held this weekend at Cedar Springs Lodge on Leech Lake. Many people will be gone from the department.



GRADUATE CLUB

The graduate club will hold its annual Summer Picnic Fling on Saturday, June 26 at Island Park (694 & Victoria -- watch for details and maps in mailboxes and on bulletin boards). Come and join the fun and games (volleyball, softball, frisbee . . .) anytime after 2:00 p.m. Grills will be ready for cooking at about 4:30 p.m. - remember to bring your own food to grill and a dish to share. We will have beer and pop on hand. If you need a ride, sign up in Agronomy 313. See you Saturday!

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor/Superintendent of the NMSU Agricultural Science Center at Clovis. Must be knowledgeable in irrigated and dryland production systems. LeRoy A. Daugherty, New Mexico State University, Las Cruces, NM.

-Agricultural Officer. Central Recruitment, Personnel Division, Rome, Italy.

-Seed Laboratory Manager. Manage the daily operations of a seed laboratory. M.K. Misra, Seed Science Center, Iowa State University, Ames, IA.

-Assistant Professor in environmental soil biochemistry. Jeffry Fuhrmann, Department of Plant & Soil Sciences, University of Delaware, Newark, DE.

RIDDLE

Answer from last week:

A fifty-cent piece and a nickel.

- Pick a number between two and ten
- Multiply it by nine
- Add up the two digits
- Subtract five
- If A =1, B = 2, C=3, etc., give your final number a letter
- Think of a country that starts with that letter
- Using the second letter of the country think of a four-legged mammal.

112w
2 Ag Sea

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

June 25, 1993

CONGRATULATIONS!

Special congratulations to Dr. Ronald Phillips for his Regents' Professorship. It is the first for the Department. An honor that we all share in and appreciate!

SPECIAL SEMINAR

Constraints to Intake and the Feeding Value of Mature, Dry Pasture. Dr. Susan K. Baker, CSIRO, Division of Animal Production and The University of Western Australia, Animal Science Group, School of Agriculture. It will be held on Monday, July 12 at 1:00 p.m. in 306 Borlaug Hall.

GRADUATE STUDENTS

The graduate club will hold its annual Summer Picnic Fling tomorrow at Island Park. Come and join the fun and games (volleyball, softball, frisbee . . .) anytime after 2:00 p.m. Grills will be ready for cooking at about 4:30 p.m. - remember to bring your own food to grill and a dish to share. We will have beer and pop on hand. If you need a ride, sign up in Agronomy 313. See you Saturday!

SUMMER CLEANUP

The Department of Environmental Health and Safety is interested in having you undertake a clean out project because the presence of excess equipment, files, books, papers, and hazardous materials can represent a significant fire hazard.

FISHING TRIP

The 1993 Agronomy Department Fishing Trip was a great break and gave forty-five of us a chance to get to know each other a little better. We had a big fish fry and potluck on Saturday noon, a group campfire Saturday night and Sunday brunch was moved outside into the sunshine (we had no rain to spoil our weekend). This year the women took most of the top prizes in the fishing contest. Anne Halgerson won the Best Fisherman Award by catching the biggest walleye (3.2 lbs.) and the biggest northern (6.6 lbs.). Joyce Sandstrom caught the 2nd biggest walleye (2.75 lbs.). Lynne Medgaarden won first place in Miscellaneous with a 15 lb. dogfish and Sara Swanson won first place in the kids contest. Donn Vellekson and Doug Swanson took first place in the panfish and bass categories. Congratulations to Gary Linkert who was chosen by an unanimous vote for the 1994 Fishing Chairperson. Hope to see you all there next year.

Jim Halgerson



POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor in corn extension and management. E.S. Oplinger, Department of Agronomy, University of Wisconsin-Madison, Madison, WI.

-Assistant Professor in molecular aspects of microorganisms in the environment. William W. McFee, Department of Agronomy, Purdue University, West Lafayette, IN.

-Small Grains Breeder - Assistant/Associate Professor. Responsible for teaching established courses in international crop production, cereal and oil crops. M.K. Aycock, Department of Agronomy, University of Maryland, College Park, MD.

-Chair, Department of Agriculture and Natural Resources. The chair provides leadership in the academic, service, and research areas. Office of Personnel Services, Morehead State University, Morehead, KY.

-Research Associate. C.W. Wood, Department of Agronomy and Soils, Auburn University, AL.

-The National Sustainable Agriculture Coordinating Council seeks a halftime employee to coordinate a nationwide network of organizations working for farm policies that support sustainable ag. Chuck Hassebrook, Center for Rural Affairs, Walthill, NE.

Answer from last week:
An elephant from Denmark

M A T C H T H E L A N G U A G E W I T H T H E G R E E T I N G

- | | |
|---|--|
| <input type="checkbox"/> Arabic | 1. Bué ^o nos Dias (bway nohs DEE ohss) |
| <input type="checkbox"/> Bohemian, Czech | 2. [ya sass] |
| <input type="checkbox"/> Chinese | 3. [namasté (na-MUST-ay); [ah-DAH-urz] |
| <input type="checkbox"/> Czech | 4. Aloha |
| <input type="checkbox"/> Danish | 5. Cé ^o an cáoi bruit tu ^o ! |
| <input type="checkbox"/> Dutch | 6. Bon jour (bo jhour) |
| <input type="checkbox"/> Eskimo | 7. Buon giorno (bwohn JOR-no) |
| <input type="checkbox"/> Finnish | 8. [shalōm] |
| <input type="checkbox"/> French | 9. Nyob zoo (Nyoh zhong) |
| <input type="checkbox"/> German | 10. Guten Tag (Goo-ten TAHK) |
| <input type="checkbox"/> Greek | 11. [o'-si-yo'] |
| <input type="checkbox"/> Hawaiian | 12. (o-hi-yo); (koan-nee-chee-wa) |
| <input type="checkbox"/> Hebrew | 13. Boozhoo |
| <input type="checkbox"/> Hindustani, Hindi | 14. [ut-duss-SIM-nik-gah] |
| <input type="checkbox"/> Hmong | 15. Kahe |
| <input type="checkbox"/> American Indian (Cherokee) | 16. Hallo (HA-LO); Goddag (go-DAHG) |
| <input type="checkbox"/> American Indian (Chippewa) | 17. She-kon; kwe-kwe |
| <input type="checkbox"/> American Indian (Crow) | 18. Dzien ^o dobry (diendobry) |
| <input type="checkbox"/> American Indian (Mohawk) | 19. Ya'at'eeh |
| <input type="checkbox"/> American Indian (Navaho) | 20. Noroc (no-roak) |
| <input type="checkbox"/> Irish | 21. [zdravstvuite (ZDRAHST-voo-ee-tyee)] |
| <input type="checkbox"/> Italian | 22. [sa-LAM a-LAY-Koom] |
| <input type="checkbox"/> Japanese | 23. [nay ee HO-OH-MA]; [NEE EE ha OO] |
| <input type="checkbox"/> Korean | 24. Nazdar (Nuh-zdur); Dobry ^o den |
| <input type="checkbox"/> Norwegian | 25. Haló; Nazdar |
| <input type="checkbox"/> Polish | 26. Kranok Ikpin |
| <input type="checkbox"/> Rumanian | 27. God Dag (go-DAA') |
| <input type="checkbox"/> Russian | 28. Hallo (ha-lo) |
| <input type="checkbox"/> Serbo-Croatian | 29. Hyvää päivää (Hulvaa paivaa) |
| <input type="checkbox"/> Spanish | 30. Zdravo (ZRRRA-vo) |
| <input type="checkbox"/> Swahili | 31. Jambo (hu-JA-mbo) |
| <input type="checkbox"/> Swedish | 32. Sawat dee [sa-vaht-DEE] |
| <input type="checkbox"/> Thai | 33. [shó-l'm a léy-khem] |
| <input type="checkbox"/> Turkish | 34. Chāo |
| <input type="checkbox"/> Vietnamese | 35. God dag (goo DA); Halla ^o |
| <input type="checkbox"/> Yiddish | 36. Merhaba (MAYR-HA-BA) |

AGRONOMY GLEANINGS

MJW
2-19-93

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 2, 1993

CONGRATULATIONS

Congratulations to Mauro Teixeira who passed his written prelim exam.

WELCOME

Please welcome the following french students to our department:

Patrick Bourquard - he will be working on the oat project.

Christophe Chevalier - he will be working on the wheat project.

Elisa Peter - she will be working on the corn project.

Please welcome the following graduate students to our department:

Kimberly Genrich - she will be working toward the M.S. in agronomy with Craig Sheaffer. Kim completed her B.S. at Iowa State University in Agronomy in May 1993. Her office is 306 Agronomy.

John McLaughlin - he will be working toward the M.S. in plant breeding with Ronald Phillips. John completed his B.S. at Moravian College in Pennsylvania in Biology in May 1993. His office is 200 Agronomy.

Michael Olsen - he will be working toward the M.S. in plant breeding with Ronald Phillips. Michael completed his B.S. at Bethel College in Life Science Education in May 1992. His office is 200 Agronomy.

Kristen Surver - she will be working toward the M.S. in plant breeding with Jim Orf. Kristen

completed her B.S. in Biology at St. Olaf College in May 1992. Her office is 306 Agronomy.

Christian Vladutu - he will be working toward the M.S. in plant breeding with Ronald Phillips. Christian completed his B.S. in Agronomy at the University of Ag Science in Romania. His office is 200 Agronomy.

We are expecting four more new graduate students, and possibly four others, tentatively. That will make the total of 15 new graduate students for Fall Quarter.

HOLIDAY

Monday, July 5 is Independence Day observed. The University of Minnesota will be closed.

THE NETWORK IS COMING

Within the next week or so workers from Telecom Services will be installing ether jack service in Agronomy and Borlaug Hall. This is the first step toward connecting to the campus network. You can help by clearing a path to the phone jack in your office or lab. Once the jacks are installed a piece of paper with an IP number will be left. It is very important to keep this paper. Look for more information about ordering ethernet cards and e-mail training in the near future. (We get a discount price on cards if we order them all at once). Any questions? Contact Phil Schwab at 5-4291.

FIELD DAYS

Summer Station Field Day will be held at Morris on Thursday, July 8 from 7:30 a.m. to 12:30 p.m. It will feature crop, soil, and livestock tours; displays; and clinics. This field day follows an Ag-

Professional Program on Wednesday, July 7 from 3:00 p.m. to 5:30 p.m.

ROSHOLT WATER QUALITY RESEARCH FARM

Research on nitrogen sources, herbicides and incinerated sludge to minimize groundwater contamination will be featured on Thursday, July 29 at the Rosholt Water Quality Research Farm, west of Westport, MN in Pope County. Wagon tours of research projects and indoor seminars will run from 8:30 a.m. to 1:30 p.m. U of M scientists will share the results of their studies on herbicide and nitrate movement from irrigated sandy soils under different tillage and cropping systems. MN Department of Agriculture personnel will discuss recommended Nitrogen Best Management Practices for sandy soils. Free nitrate - nitrogen screening tests of private water samples will be conducted. This is the seventh year of research at the Rosholt Farm. For more information, please call Jerry Wright (612-589-1711) or Jim Anderson (612-625-8209).

ELECTION BALLOTS

Reminder to all Civil Service and USDA Support Staff to turn in your election ballots for the Civil Service Liaison Committee to representatives - Lynne Medgaarden or Doug Miller.

ADDRESSES

Faculty, if you have new addresses for any of your alumni graduate students please give them to Lynne in 302 Agronomy for her files.

ELECTRIC SERVICE

The electric service will be interrupted in the Agronomy Building, July 8 from 12:00 a.m. to 6:00 a.m. and July 12 from 12:00 a.m. to 1:00 a.m.

Please notify Tim Gordon at 624-5303 of any problems which would prevent the interruption from proceeding on schedule.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Extension Agricultural Agent in Caldwell, Idaho. Peggy Pletcher, University of Idaho Boise Center, Boise, ID.

-Graduate Research Assistant. Gerry Posler, Department of Agronomy, Kansas State University, Manhattan, KS.

-Technician in Soil Science. Gyles W. Randall, Soil Scientist, University of Minnesota, Southern Experiment Station, Waseca, MN.

-Superintendent, North Dakota State University, Williston Research Center, Williston, ND. A. Earl Foster, Crop and Weed Sciences Department, North Dakota State University, Fargo, ND.

-Temporary Faculty Position in Plant Biology. The Department of Biology at the University of Minnesota-Duluth has a position for three quarters. David Schimpf, Department of Biology, University of Minnesota, Duluth, MN.

QUIZ

Answers from last week:

- 22 Arabic
- 24 Slovenian, Czech
- 23 Chinese
- 25 Czech
- 27 Danish
- 28 Dutch
- 26 Eskimo
- 29 Finnish
- 6 French
- 10 German
- 2 Greek
- 4 Hawaiian
- 3 Hebrew
- 3 Hindustani, Hindi
- 9 Khong
- 11 American Indian (Cherokee)
- 13 American Indian (Chippewa)
- 15 American Indian (Crow)
- 17 American Indian (Mohawk)
- 19 American Indian (Navaho)
- 5 Irish
- 7 Italian
- 12 Japanese
- 14 Korean
- 16 Norwegian
- 18 Polish
- 20 Rumanian
- 21 Russian
- 30 Serbo-Croatian
- 1 Spanish
- 31 Swahili
- 35 Swedish
- 32 Thai
- 36 Turkish
- 34 Vietnamese
- 33 Yiddish

If you would like something published in the Gleanings, please give it to Pat in 411 Borlaug Hall by 10:00 a.m. on Fridays. Thank you.



AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 9, 1993

HONORABLE MENTION

Minneapolis-St. Paul Magazine awarded Robert Jones with an honorable mention as one of the sexiest Twin Citians. The Minneapolis-St. Paul Magazine stated "Professor of plant genetics - one handsome agronomist."

WELCOME

Please welcome Lynne Gildensoph, who will be working as a scientist in John Gronwald's lab.

AGRONOMY UNDERGRADS

If there are any students presently employed by the department interested in a weekend watering job, please contact Pam at 5-3153. It would require two-three hours/day (Saturday and Sunday).

REMINDER

The Caravan 2188, Buick Century 2356, Celebrity Wagon 3431, and Ranger Pickup are permanently housed in the lot in front of the greenhouse headhouse at 1529 Lindig Avenue.

FACULTY MEETING

The next faculty meeting will be held on Monday, July 12 at 10:00 a.m. in 306 Borlaug Hall.

SPECIAL SEMINAR

Constraints to Intake and the Feeding Value of Mature, Dry Pasture. Dr. Susan K. Baker, CSIRO, Division of Animal Production and the University of Western Australia, Animal Science Group, School of Agriculture. It will be held on Monday, July 12 at 1:00 p.m. in 306 Borlaug Hall.

NETWORK UPDATE

The etherjack wiring for the computer network hookups is progressing. Many offices and labs have already been hooked up. A few offices in Agronomy will not be able to be wired until wiring conduit is installed. Hookups in Crops Research, Crops Service and the Weeds Lab will follow.

Ethernet cards will be ordered in bulk. When we receive the cards we will distribute them along with a brief set of instructions about how to set the cards up. More detailed instructions can be acquired from the Computer Services Helpline. When you receive your card you can specify which budget you would like to use to pay for the card.

The prices are as follows:

IBM XT	\$94.00
IBM 286, 386, 486	\$98.00
IBM PS/2	\$176.00
Mac IISI, LCII, SE	\$140.00

Two books on the resources and procedures of the Internet have been put on the reserve shelf in the Agronomy Library. The Whole Internet Guide and Catalog contains a list of databases and informational sources available over the internet. There's more out there than just email! Please do not take these books from the Library. Any other questions please contact Phil Schwab.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Technology Development Manager for Automation Group in the Data Management Department. Automation projects may range from rapid harvest systems, measurement, instrumentation systems, and automated data acquisition, to image analysis, remote sensing and robotic systems. Kristy McKenna, Pioneer Hi-Bred International, Inc., Johnston, IA.

-Corn Breeding Research Technician. Conducts various operations that are essential to the success of the Germplasm Enhancement project. G. Douglas Tiffany, Pioneer Hi-Bred International, Inc., Mankato, MN.

-Superintendent of the E.V. Smith Research Center. The position is responsible for coordination and supervision of research projects. James S. Bannon, E.V. Smith Research Center, Shorter, AL.

New phone numbers at the Northwestern Experiment Station - Crookston are listed on back.

According to the information in the UMC Bulletin, extension numbers on campus will be changed beginning on June 23. The extension numbers for the Station and Extension will be changed on Wednesday, June 30. However, the new Direct Inward Dial (Outside callers can reach you directly without going through the switchboard) will not be effective until August 2.

Remember: After June 30, all extensions on campus will be 4 digit and after August 2, you will be able to reach any number on campus directly.

Larry Smith	281-8602
Patti Malme	281-8602
Janet Solheim	281-8604
Brad Heppner	281-8605
George Marx	281-8606
John Wiersma	281-8607
Carol Windels	281-8608
Harvey Windels	281-8609
Anne Burke	281-8610
Jim Cameron	281-8612
Rita/Lab	281-8613
Dairy Barn	281-8614
Roger Ruthenberg	281-8615
Dale Kopecky	281-8616
Tim Danielson	281-8617
Martyn Jacobson	281-8618
Gary McVey	281-8619/8106/232
Sheep Barn	281-8620
Agronomy/North Farm	281-8622
Todd Cymbaluk	281-8623
Jeff Nielsen	281-8625
Mark/Gene	281-8626
Bobby Holder	281-8627/8135

Extension

Yvonne Hanson	281-86 ⁹⁰
Carlyle Holen	281-86 ⁹¹
Russ Severson	281-8695
Marlene LeBlanc	281-8696
Barb Oseth	281-8697
Bob Quinlan	281-8698
Gordon Shafer	281-8684
Janelle Klinke	281-8683

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 16, 1993

PHONE BOOKS

The 1993-94 St. Paul White and Yellow Pages will be delivered on **Tuesday, August 10** to 411 Borlaug Hall. There will be a sign-in sheet for individuals to use when they drop-off their old books. One new phone book will be left for every old St. Paul phone book left for recycling.

PRO PROGRAM

We are pleased to announce that the Agricultural Utilization Research Institute is immediately launching the Pesticide Reduction Options (PRO) Program. Under this program, organizations with an interest in agriculture can apply for grants of up to \$50,000 to fund projects which minimize use of, and contamination from pesticides on Minnesota farms. The deadline for submitting a pre-proposal is September 1, 1993. See Jeanne for details.

FREE SAMPLE BOTTLES

More plastic storage bottles are available to anyone who can use them.

	<u>Quantity</u>
3 oz. snap cap bottles	75
3 oz. screw cap bottles	200
1 1/2 oz. screw cap bottles	500+

Call Doug Swanson at 5-8189 (128 Crops Research) if you are interested in any of the bottles.

FOR SALE

84 Olds Cav. wagon, 84,000 miles. Runs great with good options, \$900 (negotiable). Please contact Jayanti Suresh at 625-1208 or 483-2828 (evenings, at home).

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Postdoctoral Fellow, Breeder/Agronomist. This two-year position provides an opportunity for new Ph.D. graduates to gain experience in tropical agricultural. Head, Human Resources, IITA, L.W. Lambourn & Co., Croydon, England.

-Assistant Clinical Specialist. Teach and supervise students enrolled in dietetics. Madge Hanson, Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN.

-Postdoctoral Associate. Temporary part-time and full-time research positions on a continuous basis. Department of Soil Science, University of Minnesota, St. Paul, MN.

-Associate Researcher Position. Individual will conduct research activities associated with field production and handling of tobacco in Wisconsin. Larry Binning, Department of Horticulture, University of Wisconsin, Madison, WI.

-Crop Production Teaching/Extension Youth Activities Coordinator. Responsibilities for assisting with a course. P. Stephen Baenziger, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, NE.

-Agricultural Agent. Designs, coordinates, teaches and evaluates educational programs. CE Personnel, University of Wisconsin-Extension, Madison, WI.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 23, 1993

PH.D. SEMINAR

Barley Starch Granule Traits: Genetic and Molecular Aspects. Aluizio Borem de Oliveira in 306 Borlaug Hall at 9:00 a.m. on Monday, July 26.

1994 CALL FOR PREPROPOSAL

Sustainable Agriculture Research and Education Program, North Central Region, 1994 Call for Preproposal for Low-Input Sustainable Agriculture (LISA) and Agriculture in Concert with the Environment (ACE). September 10, 1993, has been established as the deadline for receiving twenty-five (25) copies of the preproposal at the University of Nebraska-Lincoln. Please see Jeanne for a copy of the instructions and grant preproposal forms.

INTERRUPTION OF BUILDING STEAM SERVICE

The steam service for Agronomy & Plant Genetics Greenhouse, Building 423 will be shut off on Thursday, July 29 from 7:00 a.m. to 9:00 p.m. This outage will affect soil sterilization. Please notify Tim Gordon (Facilities Management) at 624-5305 of any problems which would prevent the interruption from proceeding on schedule.

MISA

The Minnesota Institute for Sustainable Agriculture, public presentations is scheduled for Wednesday, August 11 in 335 Borlaug Hall from 8:45 a.m. until 3:30 p.m. Topics cover integrated farm planning, wood agriculture, biological monitoring, sustainable dairy farming, and diversification of cropping systems. Refreshments will be served.

CONFERENCE

The 14th North American Symbiotic Nitrogen-Fixation Conference is scheduled for July 25-29 on the West Bank in Room 125 of Willey Hall. The organizing committee consists of Peter Graham, Michael Sadowsky, and Carroll Vance.

GREENHOUSE BENCH STEAMING

Please contact me as soon as possible about any steaming you need done in your greenhouses. I would like to get everything done in the next couple of weeks. Thanks!!

Pamela (5-3153)

GREENHOUSE WATERING

All projects must do their own watering on July 23, 26 and 27 (Friday, Monday and Tuesday).

REMINDER

Equipment in the greenhouse pesticide room is for greenhouse use only. The sprayers are for insecticides only!! We have two backpack sprayers for field use. Contact Pam (5-3153) if you would like to use them.

CHINA CENTER

Mei-Ling Hsu, Professor of Geography, has been appointed Acting Director of the University of Minnesota China Center, effective June 1, 1993. In this capacity Professor Hsu will maintain the University's ties with Chinese higher education institutions and research academics; promote Chinese studies at the University; and encourage, among faculty and students, academic exchange between the University of Minnesota and universities in China. Her office is located at 50 Nicholson Hall, 624-1002.

COMPUTER CAMP

Computer and Information Services is offering a summer camp to introduce faculty to use computer technology to assist them with their interactions and to communicate with students and colleagues. The camp runs from August 10 to August 13, either morning or afternoon sessions. Session 1 - 9:00 a.m. to noon; Session 2 - 1:00 p.m. to 4:00 p.m. Space is limited, call 5-1300 for registration information. The camp is free.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Laboratory Technician. Individual will participate in research directed toward the development of potato cultivars through integration of classical and molecular approaches. Technical Recruiting, Frito-Lay, Inc., Rhinelander, WI.
-Agricultural/Biological Technician. Provides technical support in carrying out microbiological techniques and procedures. USDA, Greenbelt, MD.

-Postdoctoral Research Fellow. Investigate the use of "artificial T-strands" in plant transformation. Stanton B. Gelvin, Department of Biological Sciences, Purdue University, West Lafayette, IN.

-Program Director for Outreach, temporary half-time. Work with faculty members on the U of M-Duluth and Morris campuses and curriculum development staff members at the Department of Independent Study. Brian Duren, Department of Independent Study, University of Minnesota, Minneapolis, MN.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

July 30, 1993

NEW BABY

Congratulations to Rob and Cheryl DeHaan on their new baby boy born on Wednesday, July 28. Andrew weighed 8 lbs. 7 oz. and was 22" long.

CONGRATULATIONS

Congratulations to Lu Oliveira who passed his Ph.D. exam.

WELCOME

A special welcome to Tammy Dunrud who joined the department as an administrative fellow on July 16. Tammy will be working on a part-time basis as Coordinator of the Program for Decision Cases. This Program is a new venture of the College of Agriculture that has been spearheaded by our department. Steve Simmons currently serves as Chair of the Program. The Program is sponsoring a seminar series beginning in fall quarter that will present some of its more recent activities and discuss opportunities and issues in using decision cases in classroom and extension education. Tammy is officed in 311 Agronomy and her phone number is 624-1211. Good to have you with us, Tammy.

RECOGNITION RECEPTION

There will be a Recognition Reception in honor of Regents' Professor Dr. Ronald L. Phillips on Friday, August 6 from 3:00 to 4:30 p.m. in 306 Borlaug Hall.

SEMINAR

Annual Medic Seed Production and Breeding. Andrew Lake (South Australia Department of Agriculture) and Brian Head (Revelle Seed). It will be held on Monday, August 2 at 9:00 a.m. in 306 Borlaug Hall.

PH.D. SEMINARS

Characterization of acetyl-CoA carboxylase from diclofop-resistant and -susceptible *Lolium multiflorum* biotypes. Kim Evenson in 306 Borlaug Hall at 9:00 a.m. on Monday, August 9.

Weed interference and control in sugar beet (*Beta vulgaris* L.) in the Gharb (Morocco). Si Bennasseur Rzozzi in 306 Borlaug Hall at 9:00 a.m. on Tuesday, August 10.

BUILDING HOURS

The doors to Borlaug Hall will be open the following hours:

Weekdays - 6:00 a.m. to 6:00 p.m., with the exception being that the front doors of Borlaug Hall will remain open until 7:00 p.m. on the days with night classes.

On Wednesday nights, the front doors to Borlaug Hall will be left open until 9:00 p.m. because of the Plant Pathology Library.

On Saturdays, the front doors to Borlaug Hall will be left open from 12:00 noon until 4:00 p.m. because of the Plant Pathology Library.

FREE ADMISSION TO THE ARBORETUM FOR STUDENTS

The Minnesota Landscape Arboretum is pleased to announce free admission to students enrolled in the Colleges of Agriculture, and Architecture and Landscape Architecture. Students who visit the Arboretum through September 1994 will be admitted free of charge (the usual entrance fee is \$4.00). You must be able to show proof of student status.

THEFT

A billfold and checkbook were stolen out of a backpack on Wednesday, July 28 on the 5th floor of Borlaug Hall.

SMOKE-FREE POLICY

Smoking is prohibited in all facilities of the University of Minnesota, Twin Cities Campus with the exception of designated private resident rooms within residence halls. This policy becomes effective at 12:00 midnight on August 2. It will remain in effect unless rescinded or modified by the Office of the Provost, University of Minnesota, Twin Cities Campus.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Support Scientist 1 in weed science. Involves applied field and greenhouse research.

Human Resource Services, University of Idaho, Moscow, ID.

-Publications Coordinator. Manage, supervise and coordinate production of educational publications, bulletins, and other printed material. Christine Buchanan, Department of Communications, Kansas State University, Manhattan, KS.

-Farm Advisor of Field and Row Crops. Developing an extension and applied research program. Sydney Gillette, University of California, Davis, CA.

-Postdoc. Participate on a research project aimed at isolation and characterization of genes encoding polyamine biosynthetic enzymes. Gregory Phillips, New Mexico State University, Las Cruces, NM.

-Dairy and Livestock Agent. Designs, coordinates, teaches, and

evaluates educational programs.
JoAnn Gruber-Hagen, University
of Wisconsin-Extension, Madison,
WI.

-Research Assistant in field crops
research. Carlos Fernandez, Texas
A&M Agricultural Research and
Ext. Center, Uvalde, TX.

-Assistant County Agent. Planning,
implementing, evaluating, and
reporting accomplishments and
results of extension education
programs. Paul Waddy, The
Alabama Cooperative Extension
Service, Auburn University, AL.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 6, 1993

WELCOME

Please welcome Stephen Fox, a new Research Associate, who will be working with Dr. Rines and Dr. Phillips.

RECOGNITION RECEPTION

The Recognition Reception in honor of Regents' Professor Dr. Ronald Phillips will be held today from 3:00 to 4:30 p.m. in 306 Borlaug Hall.

REQUEST FOR PROPOSALS DUE OCTOBER 1, 1993

The deadline for receiving grant applications at the Minnesota Wheat Research & Promotion Council (MWRPC) administrative office is October 1. The research project period is January 1 to December 31. Proposals will be approved and principle investigators will be notified by January 1 of the project period. Please see Jeanne for grant application forms.

INTERRUPTION OF BUILDING STEAM SERVICE

The steam service for Bldg. 370, A-J - Greenhouses; Bldg. 432 - Agronomy Greenhouse Classrooms; and Bldg. 415 - Plant Path. Greenhouses will be shut off for repairs on August 9 and 10. Please notify Tim Gordon (Facilities Management) at 624-5303 of any problems which would prevent the interruption from proceeding on schedule.

MISSING

Please return the tarp for the soil cart in the teaching greenhouse.

NEW PHONE NUMBER

Pam has relocated to Building 423. Her new phone number is 5-3153.

PROJECT LEADERS

I have not heard from some of you on your space requirements - does this mean you don't need any space? Please return the forms.

Thank you, Pam

INTERNATIONAL RECEPTION CENTER

The International Reception Center will open August 15, to welcome and serve newly arriving international students. Referrals for immediate temporary lodging on campus can be provided, also assistance with locating non-dormitory housing for the coming year. Introductory information about the campus and the Twin Cities area will also be available at the IRC. The office is located at the Minnesota International Student Association, 235 Coffman Union, Minneapolis Campus.

FACULTY MEETING

The next faculty meeting will be held on Monday, August 9 at 10:00 a.m. in 408 Borlaug Hall.

PLANT BREEDING GRADUATE STUDENTS

Just a reminder to sign up for the tour on August 31 - September 2 to NW Minnesota and North Dakota State University. About 1/2 of the spaces have already been claimed. Jean will be gone on vacation from August 9-16, so leave your response on her desk or in my (Stuthman) mailbox. If you have questions please contact me for further information.

Thank you

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Extension Agronomist-Weed Science. To develop and implement extension educational programs in weed science for horticultural and agronomic enterprises; Extension Agronomist-Environmental Soils & Fertilizers. Provide leadership for planning, implementing and evaluating a statewide soils, fertilizer and liming program. J. Troy Johnson, Crop & Soil Sciences Department, The University of Georgia, Athens, GA.
- Assistant Professor/Oilseed Breeder. Research with canola breeding. David Hume, Department of Crop Science, University of Guelph, Guelph, Ontario, Canada.
- Assistant Professor of Plant Molecular Genetics or Biology. Emphasis on research and teaching on the molecular basis of crop growth. G.H. Heichel, Department of Agronomy, University of Illinois at Urbana, Urbana, IL.
- Collegiate Program Director for Outreach and Minnesota Extension Service. Provide overall coordination of extension programs. Harry Boyte, Humphrey Institute of Public Affairs, University of Minnesota, Minneapolis, MN.
- Assistant Professor in Photosynthesis and Plant Productivity. Search Committee Chair, Department of Plant Molecular Physiology, University of Hawaii, Honolulu, HI
- Extension Home Economist. General home economics, family/youth at risk programming in the district, and 4-H leadership. Harry Guenther, University of Idaho, Twin Falls, ID.
- Extension Assistant Professor.

Provide leadership in nutrient management, including soil fertility. David A. Sleper, Department of Agronomy, University of Missouri, Columbia, MO.

-Extension Forester. Development of education programs for owners of private woodlands. Marjorie Gentry, School of Forestry, Auburn University, AL.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 13, 1993

CORN FEED

The Department Annual Corn Feed will be held Monday, August 16 at Noon in 306 Borlaug Hall. The cost is \$2.00 for two hot dogs per person and as much corn as you can eat. Please pass the word to all Agronomy personnel.

HEALTH PLAN CHANGES

There will be Open Forums for you to hear about the changes coming for 1994 and ask questions of the Employee Benefits Division of the Office of Human Resources at the following locations:

Monday, August 16 - East Bank, Mississippi Room at Coffman Union from 11:00 to 12:00 Noon.

Tuesday, August 17 - West Bank, Cowles Auditorium at Humphrey Center from 11:00 to 12:00 Noon.

Wednesday, August 18 - St. Paul Campus, Room 135A&C Earle Brown Center from 11:00-12:00 Noon.

PHONEBOOKS

If you missed phonebook delivery/recycling day, additional 1993-94 St. Paul phonebooks can be obtained at the St. Paul Campus Post Office in Coffey Hall until September 30. Please bring your old phonebooks to the same location for recycling.

CONGRATULATIONS

Dr. Vernon Cardwell was elected as Chairman of the Board of Directors of the Minnesota Ag-In-The-Classroom program on Monday, August 9. He was also given special recognition as the "Encyclopedia of Agriculture" and for serving on the Minnesota Ag Magazine editorial board for the Ag-In-The-Classroom Program for the past eight years. Congratulations.

Congratulations to Kim Evenson on the completion of her Ph.D. in Plant Physiology. Kim is advised by Wyse and Gronwald. She has accepted a postdoctoral position with the Noble Foundation in Ardmore, Oklahoma, to study the biochemistry and molecular biology of wax biosynthesis in plants starting next week.

Congratulations to the two new members of the Civil Service and USDA Support Staff Liaison Committee, Marilyn Hole and Pam Altermatt. They were elected by the staff and have agreed to serve two-year terms on this committee along with current members Lynne Medgaarden and Doug Miller. Thank you to outgoing committee members Donn Vellekson and Mike McClellan. If you have any concerns or comments, please share them with one of the committee members.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Agent-Agronomy/Plant Science, Lebanon County Extension Office, Lebanon, PA. Human Resources Services, College of Agricultural Sciences, PennState, University Park, PA
- Agent-Agronomy, Susquehanna and Bradford County Extension Office, Montrose, PA. Human Resources Services, College of Agricultural Sciences, PennState, University Park, PA
- Agricultural Engineer/Agronomist, USDA-ARS, Southern Plains Area, Weslaco, TX. P. Tommy Stanford, USDA, ARS, SPA, Weslaco, TX.
- Research Plant Pathologist, USDA-ARS, Beltsville, Maryland. Gloria Snipes, USDA, ARS, Greenbelt, MD.

The expanded undergraduate committee met with a group of seven farmers in Willmar, Minnesota, on Friday, August 6, and a group of 15 agribusiness people on Tuesday, August 10, at the Arboretum. The purpose of these meetings was to discuss our present curriculum and to get their insights on ways to modify or improve in order to provide the best possible agronomy graduate.

These meetings turned out to be excellent. We were surprised by the interest and enthusiasm shown by these individuals. They were pleased to be asked for their opinions and they had a lot to say. They all appeared to be very supportive of the University and were appreciative of the assistance they have received from our faculty. They said they realized the importance of the U of M to industry and the community and were willing to help the U in any way they can. They would like to see more cooperation in the future.

Some of the comments made: We do a very good job of teaching technical skills but should emphasize communication and social skills more than we currently do in every class. Our students need to know how to talk individually and in group settings and how to communicate in writing and how to listen. They need to learn how to be proactive leaders. This point was mentioned over and over in both groups. Some felt so strongly about it that they said it may be necessary for us to sacrifice some of the technical teaching in order to provide more time for communication and social skills.

Suggested areas of competency needed by graduates of the future included:

- communication skills
- broad base of knowledge (not overly focused)
- practical experiences (PEP or mentoring)
- continuing education (learn how to keep on learning)
- learn how to relate technical knowledge to environmental concerns
- learn how to relate technical knowledge to economics
- computer literacy
- understand and emphasize diversity and cultural aspects
- ethics and honesty
- sustainable agriculture
- how to understand and work with government regulations and policy setting
- dealing with social issues
- international agriculture (farming systems and markets)
- how to think and act long-term
- how to be proactive in their communities

Many felt it would be to our advantage to offer courses at the CLA level on food production (from planting to harvest) and to teach the business side as well as the production side of agriculture and make all students feel that they are "a part of the result."

They were very interested in the Decision Case Program and thought it was an excellent teaching tool.

Members of both groups would be interested in participating in our teaching efforts in some way, either as guest lecturers, mentors or consultants.

AGRONOMY GLEANINGS

MJW
9 Aug 86

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 20, 1993

CAMPUS ACCESS DURING STATE FAIR

During the Minnesota State Fair, August 26-September 6, inclusive, access to the campus will be restricted except from 6:00 AM to 6:00 PM during normal work days. All entrances will be locked during weekends and holidays. A U of M police officer will be at Folwell and Cleveland and will admit staff and students to the campus during off hours if they can show a valid U of M ID. Buford Avenue, in front of the Student Center, will continue to serve as the EXIT from campus.

FAREWELL COFFEE

Please join us in a Farewell Coffee for Becky Petro, Wednesday, August 25, 9:30 a.m. in 302 Borlaug Hall. Becky's last day in the Department is Friday, August 27.

PLANT BREEDING SEMINAR

Plant Breeding Graduate Students, Faculty, Post Docs, and others. Reminder to return your Plant Breeding Seminar Response Forms to Howard Rines, Seminar Committee chair, if you have not already done so.

UNDERGRADUATES

The Fall Graduate Record Exam (GRE) is scheduled for October 9, 1993. You must register for the exam by September 3. You may obtain a copy of the registration materials from the Student Support Services Office, 190 Coffey Hall. Winter quarter exam is December 11 with registration due by November 5.

GRADUATE ASSISTANTS

If you registered early for Fall Quarter 1993 and received a bill for tuition, do nothing. The computer is not functioning correctly for early registration and graduate assistants mistakenly received bills. These will be automatically corrected. If you receive another bill in October, then see Jeanne Davy for a copy of your appointment document (PAF) and take it over to the Graduate Assistant Office (416 Johnston Hall) to correct the error.

If you mistakenly received a bill for insurance benefits see Jeanne Davy now for a copy of your PAF and mail it along with the bill to the Graduate Assistant Insurance Office (411 Johnston Hall) to correct the error.

1666 COFFMAN APARTMENT

Unusually low asking price for 1666 Coffman Apartment. \$35,000 for living room-bedroom-kitchen-bathroom apartment. Original price over \$70,000. Present or past UM civil service or faculty employees who are at least 55 years of age are eligible. Contact Edina realtor Virginia Froebel, 591-6364 or Coffman Office, 644-4541.

Bob Robinson

COLLEGE OF AGRICULTURE MEETING RESCHEDULED

The College of Agriculture Planning meeting for Monday, August 23 is being RESCHEDULED because of scheduling conflicts. A new meeting notice will be distributed in the near future.

PIAP RESEARCH PROPOSALS FOR FY-1994

The North Central Region Pesticide Impact Assessment Program (NCRPIAP) is soliciting research proposals for funding. The proposal deadline date is 21 September 1993. See Jeanne for additional information.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

- Chemist II, Ag. & Biological Engineering, Dr. Patrick G. Hunt, ARS, Florence, SC.
- Assistant Cooperative Extension Agronomist and Assistant Professor of Soil Science, Dr. Marylynn Yates, Dept. of Soil & Environmental Sciences, University of California, Riverside, CA.
- Graduate Assistantship, Wheat Quality, Dr. Craig F. Morris, USDA-ARS Western Wheat Quality Lab, Washington State University, Pullman, WA.
- National Estuary Project Director, Tillamook, Oregon, Irma Sargent, Oregon State University, Corvallis, OR.

.....

Of all the things you wear, your expression is the most important.

A road map will tell us everything we want to know except how to fold it up again.

AGRONOMY GLEANINGS

g MZW
2/19/86

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

August 27, 1993

NOTICE

The department has purchased a new 870 John Deere tractor for general use by Agronomy projects. The 750 John Deere is no longer for department use. The wheat project has purchased the 750 from the department. If someone needs to use the 750 for some purpose they have to check with Gary Linkert.

GRADUATE ASSISTANTS OFFICE

The Graduate Assistants Office has moved from Johnston Hall to the U Tech Center, 1313 5th Street S.E., Suite 317. Their phone number is the same.

ASA MEETINGS

Two Egyptian seed specialist would like a ride to and return from the ASA meetings - will share expenses. Let Lynne know if there is space available.

THE CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH

Plant Biotechnology. 1994 Competition Request for Preproposals. The deadline is October 1, 1993.

Energy From Biomass. 1994 Competition Request for Preproposals. The deadline is October 1, 1993.

See Jeanne for specific information.

SCHOLARSHIP RECEPTION

The 1993-94 College of Agriculture Scholarship Reception is scheduled for Monday, November 15 in Room 135 of the Earle Brown Center from 3:30 to 6:00 p.m.

SYMPOSIUM

Graduate students of the Department of Plant Pathology have organized a symposium on "Plant Disease Management in Sustainable Agriculture Systems" to be held on September 17 from 8:30 a.m. to 5:00 p.m. in 335 Borlaug Hall. The symposium will consist of three presentations in the morning followed by a panel discussion in the afternoon. Presentations will be given by Dr. Clive Edwards, Ohio State University, Dr. Carol Windels, University of Minnesota, and Dr. Christopher Mundt, Oregon State University. Dr. Edwards will discuss the importance of integration in pest and disease management in sustainable agriculture. Dr. Windels will discuss the use of soil organic amendments and incorporation of green manures. The third presenter will be Dr. Mundt, who will discuss the theory and practice of including multilines in disease management. The discussion panel will be composed of the invited speakers, extension specialists, and producers from Minnesota. The objectives of the symposium are: (1) focus on the problems and feasibility of managing plant diseases under the context of sustainable agriculture, (2) to provide a forum for exchanging ideas and information on ecological plant disease management, and (3) to identify future directions and opportunities for graduates in plant pathology. Everyone with an interest in sustainable agriculture is welcome.

COA PLANNING MEETING

The College of Agriculture Planning meeting has been rescheduled for Friday, September 17 from 1:30 to 5:30 p.m. in the North Star Ballroom, St. Paul Student Center.

GRANTS-IN-AID OF RESEARCH

The Graduate School will continue its policy of accepting applications for research funds to be awarded at the fall meetings of the Research Advisory Committees. Faculty members whose needs fall into one of the fundable categories are encouraged to submit applications to the Graduate School. Funds will be available December 16, 1993 and should be expended by December 15, 1994. All proposals must be submitted on a Graduate School Grant-in-Aid application form (rev. 1/93). Application packets are available from your department office. Deadline is Monday, October 4.

WOMEN'S WELLNESS PROJECT

Session I - Thursday, September 2
12:00 noon

"Be Well to the Core." Dr. Ava Walker, Exercise Physiologist, Kinesiology & Leisure Studies, St. Paul Student Center-Commons Room.

Session II - Thursday, September 9
5:00-7:00 p.m.

Women's Nite at the Gym. Nine different activities will be introduced for you to try. Walking/jogging, water activities, aerobics, racquet sports, and weight training, St. Paul Gym.

Session III -
Tuesday, September 14
11:30-1:30 p.m.

Women's Health Fair. Health and fitness information tables. Prize drawings. St. Paul Student Center.

All events are free.

**1993-94 COA FACULTY
ASSEMBLY MEETINGS**

Fall Quarter (Agenda items due
September 24)

Wednesday, October 27, 1993
1:00 to 3:00 p.m. in Room B-45
Classroom Office Building
(12:30-1:00 p.m. Reception)

Winter Quarter (Agenda items due
February 18)

Wednesday, March 16, 1994
1:00 to 3:00 p.m. Room to be
determined.
(12:30-1:00 p.m. Reception)

Spring Quarter (Agenda items due
May 6)

Wednesday, June 8, 1994
1:00 to 3:00 p.m. Room to be
determined.
(12:30-1:00 p.m. Reception)

BOWLING

The St. Paul Campus Faculty Bowling Association is looking for new teams to join us in our leagues. It's a great way to meet other colleagues on the St. Paul Campus and enjoy some friendly competition at the same time. Four person teams (plus substitutes), handicap scoring, St. Paul Faculty, Staff, and Graduate Students are eligible. Bowling is held on Wednesday and Thursday evenings at 5:30 p.m. during Fall and Winter Quarters. Contact Rocky Layland (4-4255) or Wade Dickey (5-5246) if you are interested.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Extension Educator. Provide leadership in developing education programs. William Cords, University of Nebraska-Lincoln, Lincoln, NE.

-Assistant Professor. Extension responsibilities on noxious weeds. Bill Dyer, Plant and Soil Science Department, Montana State University, Bozeman, MT.

-Research Scientist and Superintendent. Provide leadership in developing research programs to address problems facing agriculture in intermountain Colorado. L.E. Sommers, Department of Agronomy, Colorado State University, Fort Collins, CO.

-Assistant or Associate Professor in Turf Management and Physiology. Emphasis on turf management. W.K. Collins, Department of Crop Science, Raleigh, NC.

-Extension Agricultural Agent. Responsible for all extension programs and activities. Robert D. Carver, University of Idaho, Moscow, ID.

-Assistant or Associate Professor, Integrated Weed Management Systems in Horticultural Crops. Gary McIntyre, Department of Plant Pathology & Weed Science, Colorado State University, Ft. Collins, CO.

-Assistant Vice President for Research and Associate Dean - Graduate School. Overseeing the direction, management, and review of several research centers and institutes that report to the VP for research. Chair, Graduate School, University of Minnesota, Minneapolis, MN.

-Postdoctoral Trainee in Plant

Genetics, Mechanisms and Molecular Biology. Gary Powell, Department of Biological Sciences, Clemson University, Clemson, SC.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 3, 1993

HOLIDAY

Monday, September 6 is Labor Day. The University of Minnesota will be closed.

3M CONNECTIONS

If any members of the Department have interacted with 3M since 1985, please get in touch with Kent Crookston. Interaction includes recruitment contact, cooperative research, etc. Thanks.

BREAKFAST WITH JERRY CAULDER, CEO OF MYCOGEN

You should have received a flier regarding this event. Don Wyse informs us that Jerry will be a very interesting speaker. Note that University people can attend for the member rate of \$15.00. Also, a van pool is being arranged to get people to and from the site. Contact Jeffrey Tate at 4-1734.

AMERICAN SOCIETY OF AGRONOMY JOURNALS RECEIVE HIGH MARKS

Scientific journals are ranked on the basis of how many times they are cited in scientific literature. The result is the 'Science Citation Index' (SCI). According to SCI, the following journals rank as follows:

- Agronomy Journal, ranks #8 in a field of 104 agricultural science journals.
- SSSA Journal, ranks #4 in a field of 24 agricultural, soil science journals.
- Crop Science, ranks #20 in a field of 104 agricultural science journals.
- Journal of Environmental Quality, ranks #8 in a field of 89 environmental science journals.

Source: American Society of Agronomy via Vern Cardwell.

PLANT ECOLOGY DISCUSSIONS

The arrival of the Department of Ecology, Evolution and Behavior (EEB) on the St. Paul Campus provides a wonderful opportunity for enhanced discussion and collaboration among faculty and students. Steve Simmons and Patrice Morrow (Professor of EEB) are initiating a series of informal noon-hour discussion groups for faculty and students interested in managed and natural ecosystems. Some of the time will be devoted to getting to know those who share common interests. Other sessions will be devoted to sharing research results and ideas, or discussing significant papers.

Sessions are tentatively scheduled on alternate Thursdays from 11:45-1:00 p.m. in Room 505 Ecology (October 7, 21, November 4, 18, December 2, January 13, 27, February 10, 24, March 3, 31, April 7, 21, May 5, 19). Please contact Steve or Patrice before classes begin if you are interested in participating.

E-mail addresses and phone numbers:

morro001@staff.tc.umn.edu

(5-5709)

ssimmons@staff.tc.umn.edu

(5-3763)

FIELD DAYS

Morris: Fall Crops & Soils Day --
September 14

Lamberton: Fall Field Day --
September 15

Waseca: Corn and Soybean Field
Day -- September 16

FACULTY MEETING

The next Faculty Meeting has been scheduled for October 18, 1993 from 10:00 a.m. to 12 noon in 306 Borlaug Hall.

CANOE TRIP

The Grad Club is going on a canoe trip next Saturday, September 11. Anyone is welcome. The St. Croix is a national scenic river. Only in Minnesota can you leave the big city and an hour later experience such undisturbed beauty, so take advantage of this opportunity. Plan on seeing bald eagles. Contact Steve Wagner or Scott Reuss ASAP.

TWINS GAME

For those of you into some indoor activities, the Grad Club will be going to the Twins vs. Oakland game on Tuesday, September 14. Car/Van pools will leave from the front doors of Borlaug at 6:00 p.m. SHARP. We will purchase General Admission tickets at the game. Cost = \$7.00/ticket. SEE WINFIELD MAKE HIS 3,000th HIT!! (maybe!) Contact Liz Stahl if you haven't sent in your sheet and are interested. (Anyone is welcome!!)

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Executive Director - Academic Administrator. Management of certified seed and foundation seed programs. FSCS Search Committee Chair, University of California, Davis, CA.

-Postdoctoral Research. Conduct research on the biology and genetics of white pine blister rust. Charles

Michler, Forestry Sciences Lab,
Rhineland, WI.

-Dean, College of Agriculture and
Home Economics and Associate
Vice President for Agriculture -
Research. The position provides
the major administrative link
between the Fayetteville campus and
Division of Agriculture. W.C.
Yearian, University of Arkansas,
Fayetteville, AR.

-Assistant Professor of Genetics.
Basic quantitative genetics with
applications to crop improvement.
R.T. Leonard, Department of
Botany and Plant Sciences,
University of California, Riverside,
CA.

-One-half time assistantship for
study in the area of gas emissions
from agricultural soils. Wayne P.,
Department of Soil Science, North
Carolina State University, Raleigh,
NC.

-Computer Systems Manager.
Management and support of the
computer systems in Biological and
Agricultural Engineering. Lalit
Verma, Louisiana State University,
Baton Rouge, LA.

-Postdoctoral Research Associate.
Conduct research to determine
sonochemical decomposition of
herbicides in water. William
Koskinen, Soil Science Department,
University of Minnesota, St. Paul,
MN.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 10, 1993

NEW BABY

Sue and Al Nielsen are the proud parents of a baby girl Lisa Edith, born August 31, weighing 7 lbs. 14 oz. and 21" long. She joins big brother Will at home. Sue was employed by the department for several years as the greenhouse waterer.

COMMUNITY CELEBRATION WITH GARRISON KEILLOR

To the Department: Arrange to attend if you can and wish. Should be worthwhile!

Kent Crookston

On Wednesday, September 15, a University Community Celebration will be held to start off the 1993-94 academic year. The event will be held on Northrup Mall and telecast to the St. Paul and the coordinate campuses. The celebration will feature music from the Faculty Jazz Ensemble and a talk by CLA alumnus Garrison Keillor. The program will start at 11:45 a.m. with music and Keillor's address will began at 12:15 p.m. Food service will provide extra food carts on the mall, and there will be free pop and popcorn.

NOTICE

Hillary Clinton will be the keynote speaker at Congressman Martin Sabo's health care conference in Minneapolis on Friday, September 17. The event will be held at Northrup Auditorium and the First Lady is expected to deliver a Carlson Lecture at approximately 1:45 p.m. We have a "preview" copy of the health care plan for people to look over if they wish. Please see Jeanne Davy.

FACULTY MEETING

The next Faculty Meeting has been changed to 1:00 p.m. on Monday, October 18 in 306 Borlaug Hall.

TWINS GAME REMINDER

All interested people, don't miss a chance to see our great TWINS play Oakland on September 14! The Grad Club car/van pools will leave at 6:00 p.m. sharp from the front doors of Borlaug that evening. General admission tickets cost \$7.00. See Liz Stahl if you are interested and haven't contacted her or the social committee yet.

REMINDER

1994 Research Proposals for the Minnesota Wheat Research and Promotion Council are due October 1, 1993.

FRANKLIN PLANNER

Sign up in 411 Borlaug Hall if you would like a January-December 1994 replacement filler for your Franklin Planner. A sign up sheet is for the 5 1/2 x 8 1/2" classic size. If you require a different size replacement filler, place your request with Marilyn in 408 Borlaug Hall.

MISA - SEMINAR SERIES

Can Humans Improve Nature? Karl Stauber, Vice President - Program Northwest Area Foundation. The seminar will be held on Thursday, September 30 at 3:00 p.m. in 306 Borlaug Hall.

UNIVERSITY STORES

The 7th Annual Open House for the University Stores will be on Thursday, September 16 at the Radisson Hotel Metrodome from

10:00 a.m. to 3:00 p.m.

ONTARIO RECIPROCITY

The Higher Education Coordinating Board is in the process of finalizing a reciprocity agreement between Ontario and Minnesota. The agreement will take effect on the day of signing which is expected to be this month.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Professor, Extension Weeds Specialist. Developing an effective and highly visible extension program. Bill Dyer, Plant and Soil Science Department, Montana State University, Bozeman, MT.

-Director of the Minnesota Sea Grant College Program (50% time). Includes research, extension, communication, development, education, and related activities at all associated public and private academic institutions throughout the state. Stephen Hedman, The Graduate School, University of Minnesota, Minneapolis, MN.

-Assistant County Agent in Limestone County. Planning, implementing, evaluating, and reporting accomplishments and results of Extension educational programs. J.O. Conway, Human Resources, Auburn University, AL.

-Computer Systems Manager. Routine backup of system software and data, software installation and maintenance. Lalit Verma,

Department of Biological and Agricultural Engineering, Louisiana State University, Baton Rouge, LA.

-Post Graduate Research/Graduate Research Specialist positions on a continuous basis. Positions become

available at different times throughout the year. Gary Gardner, Department of Horticultural Science, University of Minnesota, St. Paul, MN.

-Agronomic Scientist. Agronomic research at the Land O'Lakes "Answer Farm" for the Agronomy and Seed Divisions. Paul Clayton, Land O'Lakes, Inc., Webster City, IA.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 17, 1993

FAREWELL COFFEE

There will be a farewell coffee for Doug Buhler on Friday, September 24 at 3:00 p.m. in 306 Borlaug Hall. Bring your Iowa jokes.

FRANKLIN PLANNER

Sign up in 411 Borlaug Hall if you would like a January-December 1994 replacement filler for your Franklin Planner. A sign up sheet is for the 5 1/2 x 8 1/2" classic size. If you require a different size replacement filler, place your request with Marilyn in 408 Borlaug Hall.

GRAD CLUB

The Grad Club is organizing a camping weekend at St. Croix State Park next weekend, September 24-26. All grad students, postdocs, families and friends are most warmly invited. Don't miss this opportunity to drink in autumn before fall quarter makes mincemeat out of you! Call Scott at 5-6784 (days) or Meg 645-6017 (evenings) for more information.

TEACHING FAIR

A teaching fair sponsored by the Bush Faculty Development Program on Excellence and Diversity in Teaching will be held on Monday, September 27 from 3:00 - 4:00 p.m. in the Mississippi Room of Coffman Union. For additional information, call 626-7730.

UNDERSTANDING THE AMERICANS WITH DISABILITIES ACT

A live teleconference to help public employees learn more about the benefits and requirements of the ADA will be held from 9:00 a.m. to 3:30 p.m. on Thursday, October 28. Tuition fee is \$20.00. This

teleconference is for public employees who need a better understanding of the ADA, including managers, supervisors, faculty, and other public employees and volunteers. Participants will receive detailed information about the ADA, the federal legislation which guarantees equal rights for people with disabilities. For program and registration information, contact Minnesota Department of Employee Relations, Human Resource Development Services at 296-2380.

ABLE CONFERENCE

The 16th annual workshop/conference of the Association for Biology Laboratory Education (ABLE) will be held at Emory University, Atlanta, Georgia, June 7-10, 1994. The deadline for submitting proposals is November 1. ABLE was founded in 1979 to serve as an organization to promote information exchange among university and college educators concerned with teaching biology in laboratories. For more information about the conference contact Dr. Judith Morgan, Department of Biology, Emory University, Atlanta, GA 30322.

ANNOUNCEMENT

Xi Chapter of Sigma Delta Epsilon has established an award in memory of Agnes Hansen to defray some costs to female graduate students for travel to national or other major scientific meetings where they are presenting the results of their research. Any female graduate students in Minnesota engaged in scientific research is eligible to apply. The applications for the **Agnes Hansen Award are due October 15, 1993.** You must submit a brief resume, a letter

stating the reasons you want the award, a copy of the abstract of the work you submitted for presentation, a lay-description of your work and a letter from your advisor. Please send your applications to The Xi Chapter Awards Committee, Dr. Kimerly Wilcox, General College, 360 Appleby Hall, Minneapolis, MN 55455.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Seed Specialist. Improve current procedures and develop new procedures for official and service testing of seed. Daniel Niffenegger, Division of Regulatory Services, University of Kentucky, Lexington, KY.

-Molecular Mycologist. Develop a research program in the molecular genetics of fungal plant pathogens. Noel Keen, Department of Plant Pathology, University of California, Riverside, CA.

-Policy Analyst. Evaluate agricultural and conservation policies. Kris Thorp, Center for Rural Affairs, Walthill, NE.

-Research Associate. Operating and maintenance of ICP. Sam Feagley, Department of Agronomy, Louisiana State University, Baton Rouge, LA.

-Postdoc. Responsibilities in high-oil corn. Administrative Assistant, United AgriSeeds, Savoy, IL.

-Staff Development Leader. Leadership and oversight for an innovative and staff development program that supports Minnesota Extension Service's mission, vision, and strategic directions. Leslee Mason, Minnesota Extension Service - Human Resources,

University of Minnesota, St. Paul,
MN.

-Graduate Assistant/Administrative
Assistant. Support functions of the
Associate Dean and the Associate
Administrator in the College of
Agriculture/Extension Office. Nora
Gille, COA, University of
Minnesota, St. Paul, MN.

-Vice President, Programs and
Global Projects. Supervise the
Arlington, VA office. Henk
Knipscheer, Winrock International,
Morrilton, AR.

-Quantitative Geneticist in the
Department of Botany and Plant
Sciences. Develop a vigorous
research program in basic
quantitative genetics with
applications to crop improvement.
R.T. Leonard, Department of
Botany and Plant Sciences,
University of California, Riverside,
CA.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

September 24, 1993

NEW BABY

Congratulations to Susan and Jeff Roessler on their new baby boy born on Friday, September 17. John Jeffrey weighed 9 lbs. 2 oz. and was 20 1/2" long. John joins big sister Carly.

FAREWELL COFFEE

There will be a farewell coffee for Doug Buhler today at 3:00 p.m. in 306 Borlaug Hall. Everyone is invited.

MISSING

Two books are missing from the Agronomy library that are needed for class this quarter. Cytogenetics (green book) by R. Phillips and C. Burnham and Discussion in Cytogenetics (red book) by C. Burnham. Dr. Ron Phillips needs to put these books on reserve. Please look around your office and see if you have them.

ASA MEETING AND TRAVEL

Last week Northwest Airlines and several other carriers offered special airfares for domestic travel. For those that missed the opportunity or have not made other round trip transportation plans to the ASA meetings in Cincinnati, this is to inform you that several of us are planning to rent a vehicle from either the University or a car rental company. If interested, please leave a note in my mailbox as soon as possible or sign up on the sheet posted on the door of 313 Agronomy. I hope we can set up something that meets everyone's needs.

Jochum Wiersma

DECISION CASE SEMINAR

Reflections on the PEW Case Program at Harvard: Lessons for Minnesota. Steve Simmons, Chair, COA Program for Decision Cases, PEW Faculty Fellow, 1993-94. The seminar will be held on Tuesday, October 5 from 1:00-2:00 p.m. in 306 Borlaug Hall. Refreshments will be served. If you have any questions, please call Tammy Dunrud at 624-1211.

PH.D. FINAL SEMINAR

Compartmentation of Nitrogen and Carbon Metabolism in Alfalfa Root Nodules. Dave Robinson in 306 Borlaug Hall at 9:00 a.m. on Tuesday, October 12.

CONFERENCE

Southwest State University Rural Studies Program and the Society for the Study of Local and Regional History present a conference focusing on the intersection of crops, society, and law. The conference will be held on Saturday, November 6 from 8:00 a.m. to 4:30 p.m. at Southwest State University, Lecture Center 201, Marshall, MN. The title of the conference is "The Great Jerusalem Artichoke Affair: Plants, Crops, and Culture." Speakers will be Sidney W. Mintz, John Hopkins University; Daniel H. Putnam, University of California; and Joseph Amato, Southwest State University. Free admission and the public is invited. Lunch is available but registration is required. For more information and registration, please contact Donata DeBruyckere at 507-537-6226.

FAX NUMBER

The Northwest Experiment Station has a new FAX number: 218-281-8603.

WASTE REDUCTION WEEK

The Minnesota Office of Waste Management has designated the week of September 27 - October 1 as Waste Reduction Week.

Monday - Reduce Day
Tuesday - Buy Recycled Day
Wednesday - Conservation Day
Thursday - Reuse Day
Friday - Pollution Prevention Day

GOODWILL

Goodwill will be on campus on Thursday, September 30 from 8:00 a.m. to 5:00 p.m. in front of the St. Paul Student Center and behind Northrup Auditorium. They will be collecting donations of clothing, small appliances, games, toys, linens, books, etc. The collected items will be sold at Goodwin stores to support Goodwill/Easter Seal's nonprofit job training and placement programs for people who are disabled or disadvantaged. Accepted donations are tax-deductible.

1994 REQUEST FOR PROPOSALS

The NCRCD is seeking innovative and creative research or education program development proposals in priority rural development areas. Pre-proposals for the 1994 funding cycle are due at the Center by November 1, 1993. Please see Jeanne for further information.

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REQUEST FOR PROPOSAL-9401

The North Central Soybean Research Program (NCSRP) invites qualified organizations and institutions to submit research pre-proposals in response to Request for Proposal (RFP) 9401, "Impact of No-till Farming Practices on Soybean Agronomics in the North Central Region." Estimated funds available for RFP-9401 are \$200,000.00 per year for three years. All pre-proposals must arrive at the NCSRP office no later than October 15, 1993. Please contact Jeanne for specific details.

WOMEN'S ATHLETICS

Women's basketball will be the first women's team to compete in the new Sports Pavilion, formerly the old Mariucci Arena on Sunday, December 12. Please join them in the dedication event for this facility. Women's athletics also has gymnastics, basketball, volleyball, tennis, swimming and diving, soccer, golf, and softball. Tickets can be order by phone, in person, mail order or at the event (Gopher Ticket Office, 4 Oak Street, Minneapolis, MN or call 624-8080).

EDUCATIONAL MATERIALS

A copy of the Minnesota Extension Service/Minnesota Agricultural Experiment Station Consumer Catalog of Educational Materials for 1993 is available in the Agronomy library. Blank order forms are available in the catalog.

ACCIDENT CLAIMS

Effective with the insurance policy year that started July 1, 1993 restrictions have been placed on what will be reimbursed from the

University's self-insurance pool. Previously departments were reimbursed for all damage, minus deductibles, as long as an accident report was filed. University policy requires that a University accident report (BA 156) be filed within two working days of when damage occurs. Damage that is not noticed until a vehicle is being serviced or is being turned in by the department will not be reimbursed unless:

•In the case of collision damage a driver has reported that they were driving the vehicle at the time the damage occurred and has previously filed an accident report.

•In the case of hit and run damage, a vehicle accident report was filed with Fleet Services indicating when, where and how the damage was discovered. A police report is also required.

Departments are encouraged to have vehicles with regular drivers inspected on a daily basis and have vehicles with multiple drivers inspected every time a new driver uses the vehicle.

UNIVERSITY'S NO SMOKING POLICY

The University's no smoking policy covers University vehicles. No smoking is allowed in any official University vehicle. This includes vehicles rented from other agencies and paid for with University monies, and private vehicles where the employee is reimbursed by the University. While it is impossible to monitor the non-University owned vehicles with a single occupant, if there is more than one occupant and someone objectives to smoking, everyone in the vehicle must refrain from smoking.

SEMINARS

Mon.,

Sept. 27 Plant Breeding

Selecting maize populations for hybrid breeding. David LeGare in 306 Borlaug Hall at 3:30 p.m.

Wed.,

Sept. 29 Agronomy

Anti-quality effects of mycotoxins on grain quality. Mike Murphy (Vet. Diag. Med.) in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant Research Professor in Plant Transformation. Research in plant transformation and gene expression. William E. Dyer, Plant and Soil Science Department, Montana State University, Bozeman, MT.

-Assistant Professor. Individuals working on any aspect of plant molecular biology, genetics, or biochemistry are encouraged to apply. Plant Molecular Biology Search Committee, Department of Biology, Indiana University, Bloomington, IN.

-Senior Agricultural Specialist. Planning and conducting field experiments. E. Ford Eastin, Department of Crop & Soil Sciences, University of Georgia, Tifton, GA.

-Executive Director. Management of the certified seed and foundation seed programs. FSCS Search Committee Chair, University of California, Davis, CA.

-Plant Pathology/Nematology Farm Advisor. Technical and educational assistance to owners, operators, and managers of farming operations. Cheryl Johnson, Cooperative Extension, University of California, Riverside, CA.

-Farm Advisor. Research in pomology, viticulture, and horticulture; Natural Resources Advisor. Promote sustainability and wise use of natural resources. Pam Torrey, Division of Agriculture & Natural Resources, University of California, Davis, CA.

-Professor - Turfgrass Science. Research in turfgrass. Bruce B. Clarke, Cook College, Rutgers University, New Brunswick, NJ.

-Research Fellow in Soil Chemistry. Conducting research on the fate of herbicides during composting. Paul Bloom, Department of Soil Science, University of Minnesota, St. Paul, MN.

AGRONOMY GLEANINGS

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Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 1, 1993

CONGRATULATIONS

Congratulations to Donald Barnes who was awarded the USDA-ARS Distinguished Service Award by Secretary of Agriculture Espy, and to Douglas Buhler who was awarded the Outstanding Young Scientist Award for the Midwest Area. These awards were received last week in Washington, DC.

FAREWELL COFFEE

There will be a farewell coffee for Brett Bussler on Wednesday, October 6 at 9:30 a.m. in 408 Agronomy Building.

PH.D. FINAL SEMINAR

Compartmentation of Nitrogen and Carbon Metabolism in Alfalfa Root Nodules. David Robinson in 306 Borlaug Hall at 9:00 a.m. on Tuesday, October 12.

ATTENTION ALL TRAVELERS

When making out state travel plans please file a travel authorization! **This includes your CUFS number.** Airfare is billed immediately, so this information is needed as soon as you make travel plans. Travel authorization forms are found in 408 Borlaug Hall. If you are taking a plane to the ASA meetings in November your travel authorization is due **NOW!**

REMINDER

This is a reminder that the week of October 4 is greenhouse cleanup. Call Pam with any questions at 5-3153.

COMPUTER ROOM

The combination on the computer room will be changed on Monday, October 4.

ROOMMATE NEEDED

Larry Smith is looking for a roommate for the ASA meetings in Cincinnati. Please contact him at 5-2778.

LUCE SCHOLARS PROGRAM

The University of Minnesota has been invited by the Henry Luce Foundation in New York to submit one or two nominees to the competition for the Luce Scholars Program. Through this unique program, young Americans with high leadership ability are given the opportunity to spend a year in Asia as professional apprentices under the guidance of leading Asian professionals. The University may nominate alumni and junior faculty. Further information and application materials may be obtained from: Graduate School Fellowship Office, 422 Johnston Hall, University of Minnesota, Minneapolis, MN 55455 (Telephone: 625-7579). Campus deadline is November 1, 1993.

E-MAIL TRAINING

Two of at least three e-mail training sessions have been planned. The first is scheduled for Tuesday, October 5 at 9:00 a.m. in 306 Borlaug Hall. The sessions will be conducted by Computer and Information Services and will cover the usage of POPmail, Gopher and Telnet. Connections from home computers will also be covered. A sign up sheet for the sessions will be at the front desk in 411 Borlaug Hall. The second session will be held during the afternoon of October 12. Other sessions will be scheduled in the future.

WOMEN IN AG SCIENCE

The next meeting will be held on Wednesday, October 13 at 12:00 noon in 491 Borlaug Hall. Everyone in the University community is invited to attend this special meeting. Our group will present an informal talk that we have been putting together called, "Encouraging Young Women to Go Into Science." This talk will be given to area high school and undergraduate women in the near future. We would appreciate your comments and suggestions to improve this presentation. The presentation will include the following subjects: History of the education of women in the U.S.; History of women in science; Current statistics on women in science; Problems women face in pursuing a career in science and strategies to overcome these problems; and Balancing family and a science career.

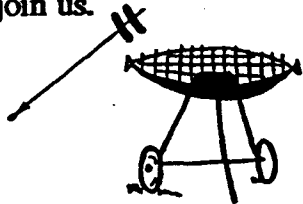
FACULTY, STAFF, & STUDENTS

For your information, two copies of the book "The Color Code" have been purchased for the department. The book written by Dr. Taylor Hartman, groups various aspects of personality and behavior into four color categories. Dr. Hartman believes that using this guide to personality, readers will be able to establish and maintain relationships with greater ease because they will "see" the motives behind their own and other peoples' behavior. Dr. Paul Warner, a popular consultant and lecturer on organization management, presented Dr. Hartman's ideas on Character Development and Personality Types at the recent Department of Agronomy faculty retreat. It is probable that Dr. Warner will be invited to the department in early

December to work with the staff and graduate students. If you are interested in reading the "The Color Code," please see Jeanne Davy in the Agronomy Office.

HOT DOG FEED

The Gopher Crops & Soils Club will have their Fall Kick Off with a Hot Dog Feed on Wednesday, October 6 at 5:00 p.m. It will be held on the terrace behind Borlaug Hall. This event is open to all club members, faculty, staff and anyone that is interested in becoming an active member. Please come and join us.



SUSTAINABLE AGRICULTURE: FARMING AND PHILOSOPHY

The Minnesota Institute for Sustainable Agriculture (MISA) is sponsoring a seminar by Dr. Fred Kirschenmann on Thursday, October 14. Dr. Kirschenmann is a farmer in south central North Dakota, president of Farm Verified Organic, and former academic dean at Curry College in Boston. Dr. Kirschenmann is also a founding member of the Northern Plains Sustainable Agriculture Society, and currently serves on the USDA National Sustainable Agriculture Advisory Council, the Science and Education National Research Initiative Advisory Council, and the North Dakota Board of Higher Education Agricultural Consultation Board. Dr. Kirschenmann's hour-long seminar "Sustainable Agriculture: Farming and Philosophy" will be held in 306 Borlaug Hall at 3:00 p.m. Please

plan to attend. Call Sara at 625-8235 for more information.

MINNESOTA ARBORETUM

Taste and purchase more than 75 varieties of apples developed during 80 years of apple breeding at the U of MN, Minnesota Landscape Arboretum's Apple House. The Apple House is open everyday through October 31 from 10:00 a.m. to 6:00 p.m. The \$4 entrance fee is waived for COA students who show proof of enrollment.

NEEDED

If anyone has extra furniture they would like to pass along we have a few graduate students who need it. Please contact Lynne. Thanks.

SEMINARS

- Mon., Plant Breeding
 Oct. 4 Genetic dissection of oligogenic disease resistance. Nevin Young in 306 Borlaug Hall at 3:30 p.m.
- Oct. 11 PMG
 Molecular genetic modification of lysine biosynthesis in maize. Doug Bittel and Jonathan Shaver in 306 Borlaug Hall at 12:00 noon.
- Wed., Agronomy
 Oct. 6 Open

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Graduate Assistantship in Agronomy. E.P. Dunigan, Department of Agronomy, Louisiana State University, Baton

Rouge, LA.

- Acting District Director. The person in this position will be working on the Duluth Campus. Manage overall personnel process in district. Leslee Mason, Minnesota Extension Service-Human Resources, University of Minnesota, St. Paul, MN.
- Postdoctoral Research Associate in Crop Physiology. Manage field evaluations to drought tolerance among wheat lines. M.D. Lazar, Texas A&M Research and Extension Center, The Texas A&M University, Amarillo, TX.
- Agricultural Agent. Teaches and evaluates educational programs. CE Personnel, University of Wisconsin-Extension, Madison, WI.
- Assistant or Associate Professor of Plant Breeding. Develop a strong basic and applied research program in forage breeding and genetics. Ronald Cantrell, Department of Agronomy, Iowa State University, Ames, IA.
- Research Associate. Study the expression of cold-regulated genes in cereal grains. Dr. Fedora Sutton, Plant Science Building, South Dakota State University, Brookings, SD.
- Media and Public Information Coordinator. Conducting media and public information efforts. Mark Schultz, Land Stewardship Project, Marine, MN.
- Plant Cell or Plant Developmental Biologist. Studying problems in plant cell and/or plant developmental biology. John Pringle, Plant Cell/Developmental Biology Search, Department of Biology, University of North Carolina, Chapel Hill, NC.

 Damon Runyon, 1884-1946, American journalist and short-story writer: "The race is not always to the swift, nor the battle to the strong -- but that's the way to bet."

*MZW
2/19/86*

AGRONOMY GLEANINGS
Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 8, 1993

WELCOME

Please welcome Jim Anderson, a new Postdoctoral Research Associate, who will be working in John Gronwald's lab on a project to clone soybean acetyl-CoA carboxylase. Jim's office will be in 593 Borlaug Hall.

CIVIL SERVICE AND USDA SUPPORT STAFF

There will be a meeting for all the Civil Service and USDA Support Staff on Tuesday, October 12 in 408 Agronomy Building from 8:30 a.m. to 9:30 a.m. Coffee and donuts will be served. The U of M has \$750,000 available in a professional development fund for staff. We can apply for this money. Does anyone have any good ideas for how we could use some of this money for professional development of the staff? Come to the meeting with ideas or just come to visit with your fellow staff members. See you there.

GET-TOGETHER

Wine and cheese get-together will be held on Friday, October 22 at 3:00 p.m. in 306 Borlaug Hall. Faculty, visiting faculty, postdocs, graduate students and civil service are all welcome. Wine, cheese, coffee, and apple cider will be served.

NORTHRUP KING COMMITTEE

The Northrup King Committee has scheduled a "Color" Code Personality Assessment course given by Paul Warner on December 15 in 306 Borlaug Hall for all interested civil service and graduate students. More information will follow in your mailboxes on the course and how to register for it.

E-MAIL NOW AVAILABLE IN THE AGRONOMY LIBRARY

A computer with a network connection is now located in the Agronomy library. From this computer users can access e-mail services, LUMINA, and the CD-ROM databases such as AGRICOLA.

MISSING

I am searching for a gas cylinder missing from the Borlaug dock. It was delivered on September 13 and contains 10% Methane and 90% Argon. It belongs to Sue Miller in 531 Borlaug Hall. If you saw it on the dock or know of its whereabouts, please call me at 5-7219. It's tag no. is 58007.

PH.D. DEFENSE

Corn Interactions with Common Cocklebur and Velvetleaf. Brett Bussler in 306 Borlaug Hall at 9:00 a.m. on Tuesday, October 19.

EMPLOYEE RESOURCE GUIDE

Carol A. Carrier, Associate Vice President for Human Resources has put together an Employee Research Guide. Although this publication is designed to introduce new employees to the University of Minnesota, it is a valuable resource guide for long-time employees as well. It contains information re: parking, sports, University policies, programs and services, educational opportunities, and committees and organizations. If you wish to see this publication or would like a copy of it, please see Jeanne.

AG CAREER DAY

Ag Career Day will be held on Wednesday, October 27 from 10:00 a.m. to 3:00 p.m. in the Northstar Ballroom in the St. Paul Student Center. This event gives students an opportunity to meet with potential employers.

NATIONAL COUNCIL OF STATE GARDEN CLUBS SCHOLARSHIP

This scholarship provides \$4,000 to juniors, seniors or graduate students. Applications may be made by sophomores for their junior year. Eligible majors represented in the College of Agriculture include horticulture, agronomy, and plant pathology. Application forms are available from Deda Jenkins in 277 Coffey Hall.

1993 GUY STANTON FORD LECTURE

The Guy Stanton Ford Memorial Lecture will be presented by Dr. Billy Taylor, renowned jazz pianist and educator, on Wednesday, October 20 at 3:30 p.m. in the School of Music's new Ted Mann Concert Hall, West Bank Campus. The lecture is free and open to the public, with seating available on a first-come, first-served basis.

NOTICES

To users of the Agronomy seedhouse dryers:

If for some reason the fans are not on please make sure that they are on or working when you leave the area. The controls are under the stairway. If the fans are not on, yours or someones samples could be ruined.

Any project that would like to put a vehicle on the U of M auction, please let me know as soon as possible.

All trailers and field equipment that are normally stored outside will be permanently stored and parked in the new lot just west of Ag. Services farm equipment storage building.

For any questions, please call Mike McClellan at 5-1784

LOOKING FOR EMPLOYMENT

David Gebhardt, 1991 Ph.D. Graduate, is interested in employment in the Twin Cities area (his fiancée has an offer of employment here). He is interested in Postdoc/Research Associate type opportunities as well as private sector jobs in the area of plant breeding/biotechnology. Contact Don Rasmusson if you know of something.

NATIONAL COUNCIL OF STATE GARDEN CLUBS SCHOLARSHIP

This scholarship provides \$4,000 to juniors, seniors or graduate students. Applications may be made by sophomores for their junior year. Eligible majors represented in the College of Agriculture include horticulture, agronomy, and plant pathology. Application forms are available from Deda Jenkins, 277 Coffey Hall.

NORTHRUP KING COMMITTEE

The Northrup King Committee has scheduled a "Color" Code Personality Assessment course given by Paul Warner on Wednesday, December 15 in 306 Borlaug Hall for all interested civil service and graduate students. More information will follow in your mailboxes on the course and how to register for it.

PROPOSALS

The Department of Energy (DOE), the National Science Foundation (NSF), and the Department of Agriculture (USDA) announce their intent to support a competitive awards program for research and training in plant biology in fiscal year 1994, contingent upon availability of funds and quality of proposals received. For application form or more information please call Ruth Sanborn in the Agricultural Experiment Station at 625-4211. Deadline date: February 14, 1994.

PRACTICE SESSIONS FOR ASA MEETINGS

Practice sessions for oral and poster presentations for the ASA meetings will be held Monday and Tuesday, November 1 and 2, with oral presentation practice sessions from 8:00 a.m. to 12:00 noon and poster sessions from 1:30 p.m. to 3:00 p.m. each day. Twenty minutes will be allowed for each oral presentation to include time for feedback. All faculty, postdocs, students and staff are encourage to attend these sessions.

OPEN HOUSE

The College of Human Ecology would like to invite you to an open house for the St. Paul Campus Multimedia Facility on Tuesday, October 12. A demonstration of multimedia capabilities using a Macintosh MacPresents system will be given in 33 McNeal Hall from 3:15 p.m. to 3:45 p.m. followed by a tour of the facility in 316 McNeal Hall. Another session will be held from 4:15 to 4:45 p.m. in 33 McNeal Hall with a tour of facility at 4:45 p.m.

CAREER FAIR

A career fair will be held on Wednesday, October 20 from 12:00 noon to 4:00 p.m. in the St. Paul Student Center.

SEMINARS

Mon., Plant Breeding

Oct. 11 Value-added traits-modified starch composition in corn. Steve Wagner in 306 Borlaug Hall at 3:30 p.m.

Wed., Agronomy

Oct. 13 Impacts of weeds on forage quality. A.J. Bussan in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Research Associate - Agronomist. Evaluate new crops and production systems. Fred A. Cholick, Department of Plant Science, South Dakota State University, Brookings, SD.

-Graduate Research Assistant. Soil genesis projects. Douglas D. Malo, South Dakota State University, Brookings, SD.

-Assistant or Associate Professor. Developing an independent research program in human nutrition. Joanne Slavin, Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN.

-Dean, School of Agriculture. Development, administration, and supervision of policy for faculty and staff. Nina Ingram, School of Agriculture, North Carolina Agricultural and Technical State University, Greensboro, NC.

-Associate Director. Develop funding sources, design and write grants. George Boody, Land Stewardship Project, Marine on St. Croix, MN.

-Head of Department of Plant Sciences. Leadership, administration of teaching, research and service activities of the department. Dean, College of Agriculture, Sultan Qaboos University, Sultanate of Oman.

-Assistant Director, Agriculture and Natural Resources. Leadership and coordination of the programs for personnel. Charles C. Curtis, Agricultural & Natural Resources, The Ohio State University, Columbus, OH.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

MIW
9/28/93

October 15, 1993

Clyde Christensen, Regents Professor Emeritus in Plant Pathology passed away this week. Memorial services will be held on Monday, October 18 at 2:00 p.m. at Washburn Funeral Chapel, 2901 NE Jackson. Dr. Christensen retired in 1975. He was a specialist in stored grain diseases.

FACULTY MEETING

The next faculty meeting will be held on Monday, October 18 at 1:00 p.m. in 306 Borlaug Hall.

WELCOME

WELCOME!! to Helene Murray, the new full-time Coordinator for the Minnesota Institute for Sustainable Agriculture (MISA). Helene recently obtained her Ph.D. in Crop Science from Oregon State University. Please take time to meet Dr. Murray and welcome her to Minnesota. Her office is in 418 Agronomy.

SIP AND CHAT

Don't miss the Department of Agronomy and Plant Genetics Fabulous Fall Festivity -- the Wine and Cheese Party next Friday, October 22. The event begins at 3:00 p.m. in 306 Borlaug Hall. Come and meet the new folks in the department and catch up with those who aren't so new ... both apple cider and wine will be available for your sipping pleasure. Contributions are requested from wine drinkers (\$3.00 from faculty, \$1.00 from staff and students are the suggested donations).

GREENHOUSE USERS

DO NOT REMOVE hoses or nozzles from the greenhouse. If you need these items please see Pam. Thank you.

NOTICE

As soon as projects are done with fall field work and travel, and you are ready to store your equipment, please contact Mike McClellan at 5-1784 starting on Monday, October 18.

Also, before projects store their vehicles they need to get an emissions test. This can be done at the St. Paul Farm Shop by calling Dan Zens at 5-5730. It only takes a few minutes and it must be done to comply with the law.

PROPOSALS

We have received information re: Request for proposals to participate in the research program administered by the Great Plains Regional Center of the National Institute for Global Environmental Change for fiscal year 1994/95. Proposal deadline is December 3, 1993. Please see Jeanne for details.

QUALITY MENTORING FOR WOMEN GRADUATE STUDENTS

A mentoring program for graduate students will be held on Friday, October 29 from 9:00 a.m. to 3:00 p.m. in the Mississippi Room of Coffman Union. Discussion with Anne Peterson, Dean of the Graduate School, and other top administrators at the University will be included.

ASA MEETINGS

Larry Smith is looking for someone to share Northwest's "Pair Fare" (\$215.00) plane ticket to ASA meetings. You must leave on Saturday and return on Thursday. Please call him at 5-2778.

E.C. STAKMAN AWARD LECTURE

E.C. Stakman Award Lecture will be presented by Dr. Sanjaya Rajaram -- "Accomplishments and Challenges in Resistance Breeding in Wheat at CIMMYT." The lecture will be held on Thursday, October 21 at 4:00 p.m. in 110 Green Hall, with a reception at 3:15 p.m. in Room 19, Green Hall.

COLOR CODE SEMINAR

A sign up sheet is available in 411 Borlaug Hall for the Color Code Seminar. It will be held in 306 Borlaug Hall on December 15. All Civil Service, Postdocs and Graduate Students are encouraged to attend. Please sign up by October 22.

HOMECOMING PEPFEST

The University of Minnesota Alumni Association will host a pepfest from 4:00 to 6:00 p.m. on Saturday, October 23 in the Metrodome picnic area before the Homecoming football game against the Wisconsin Badgers. Entertainment and refreshments will be available. The pepfest is free and open to the public.

LOST

Eric Ristau has lost a right hand, brown, wool, rag style glove. If you find it, please call him at 5-6266.

FREE

Maytag washer and gas dryer to give away free. They both work well but we are getting new ones. Check with Larry Smith at 5-2778.

FUNDING FOR DISSERTATION RESEARCH ABROAD

A copy of "Funding for Dissertation Research Abroad" is available in the Agronomy library. The booklet compiles dissertation funding information into an easy-access format for advisors and students who are interested in doing research abroad.

SEMINARS

- Mon., Plant Breeding
Oct. 18 Wild rice: A poorly understood genome. Alan Grombacher in 306 Borlaug Hall at 3:30 p.m.
- Tues., Decision Case
Oct. 19 Teaching by Discussion. John Boehrer, Director, PEW Faculty Fellowship in International Affairs, J.F. Kennedy School of Government, Harvard University. The seminar will be held in 306 Borlaug Hall from 1:00-2:00 p.m.
- Wed., Agronomy
Oct. 20 Mechanisms of inter-plant competition: A model and some applications. John Lindquist in 306 Borlaug Hall at 3:30 p.m.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Dean of the College of Agriculture/Director of Agricultural Experiment Station and Director of the Cooperative Extension Service. Responsible for overall program leadership, fiscal stewardship, and policy formulation. Gerry L. Posler, Office of the Provost, Kansas State University, Manhattan, KS.

-Assistant Provost for International Studies and Programs and Director, Institute of International Studies and Programs. Planning, organizing, and implementing the internationalizing curriculum and interdisciplinary research agenda. Chair, Search Committee for Assistant Provost, International Studies & Programs, East Bank Campus, University of Minnesota, Minneapolis, MN.

-Assistant Professor in Plant Cell Biology. Establishment a productive research program. Search Committee, Department of Botany, Oklahoma State University, Stillwater, OK.

-Several openings for graduate students and postdoctoral scientists. Andrew Paterson, Department of Soil & Crop Sciences, Texas A&M University, College Station, TX.

-Extension Program Specialist II. Provide support, guidance, and teamwork needed for the acceptance and use of sustainable systems of farming. Gary Huber, Extension Human Resources, Iowa State University, Ames, IA.

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

MZW
2/10/93

October 22, 1993

Dr. and Mrs. Clyde Christensen both passed away Monday night, October 11. Dr. Christensen was an Emeritus Regents Professor at the University of Minnesota and a retired faculty member and alumnus of the Department of Plant Pathology. He was well-known internationally for his research and teaching in the areas of forest pathology, grain storage, and taxonomy of fungal plant pathogens. Cards and memorials may be sent to John and Lonnie Behrendt's home, 4110 Monroe Street Northeast, Columbia Heights, MN 55421. Memorials will be given to purchase books and periodicals for the Plant Pathology Library.

CONGRATULATIONS

Congratulations to Brett Bussler and Neville Wilson on passing their Ph.D. thesis defense.

GET-TOGETHER

The Department of Agronomy and Plant Genetics annual Wine and Cheese Party is TODAY, Friday, October 22 in 306 Borlaug Hall beginning at 3:00 p.m. Wine, cheese, cider, coffee and other nibblies will be provided. Donations are requested from wine drinkers.

COLOR CODE SEMINAR

There is still space available for the "Color Code" seminar to be presented on Wednesday, December 15 in 306 Borlaug Hall. Please sign up on the list located in the main office if you are interested in attending the seminar. A box lunch will be provided.

EMPLOYEE BENEFITS INFORMATION FAIR

The University of Minnesota will hold its annual Employee Benefits Information Fair on November 2, 3 and 4. The Fair provides University employees with an excellent opportunity to learn more about their health insurance and retirement benefits by meeting directly with representatives from the different carriers.

GRANTS PROGRAMS

The department has received information regarding The National Research Initiative Competitive Grants Program for 1994. The program description includes the following new programs:

1. Biological Control Research
2. Assessing Pest Control Strategies
3. Water Resources Assessment & Protection
4. Agricultural Systems

See Jeanne for a copy of the Program description.

WOMEN IN AGRICULTURAL SCIENCE

Our next meeting is Wednesday, October 27 at 12:00 noon in 491 Borlaug Hall. We are finally sending off our biographical surveys to all M.S. and Ph.D. women graduates from Soil Science, Plant Pathology and Agronomy. The heads of each department have generously offered funds for mailing and compilation of survey results. At the meeting we will be assigning five graduates to each interested person. The person will be responsible for sending, receiving and maintaining confidentiality of the surveys. We will also be setting up agenda for the rest of the quarter. Anyone who

is interested is encouraged to attend.

CHRONIC FATIGUE SYNDROME PRESENTATION

Individuals from the department are invited to attend a presentation on Chronic Fatigue Syndrome on Thursday, October 28 at 3:00 p.m. in 306 Borlaug Hall. Judy Bosso, President of the Chronic Fatigue Syndrome Association of Minnesota, will be the presenter. Ms. Bosso will give you an overview of CFS, the impact on patients and what is known medically about it. Hope to see you all there. Ted Joo

SEMINARS

Mon., Plant Breeding
Oct. 25 Barley stem rust resistance. Stephen Fox in 306 Borlaug Hall at 3:30 p.m.

Plant Molecular Genetics
Identification of gene products important for telomere function in yeast. Judith Berman at 12:00 noon in 306 Borlaug Hall.

Crop Molecular Genetics
From darkness into the light: I. Development of a sugarcane transformation system.
II. Regulation of pea ferredoxin I gene expression. Maria Gallo-Meagher, Texas A&M University. The seminar will be held at 10:30 a.m. in 306 Borlaug Hall. Candidate for Assistant Professor position in Molecular Genetics of Cereals.

Wed., Agronomy
Oct. 27 Grain marketing and
quality. Reynold Dahl
(Dept. of Agricultural and
Applied Economics) in
306 Borlaug Hall at 3:30
p.m.

Thurs., Crop Molecular Genetics
Oct. 28 Regulation of
photosynthesis gene
expression and subunit
turnover by blue
light/UV-A during barley
chloroplast development.
David Christopher, Texas
A&M University. The
seminar will be held at
10:30 a.m. in 306
Borlaug Hall. Candidate
for Assistant Professor
position in Molecular
Genetics of Cereals.

NOTICE

Judy has a check from Vita Plus
Corp., Madison, WI for \$197.86.
Who does it belong to?

WEATHER PREDICTION

Onion skins very thin, mild winter
coming in.

Onion skins thick and tough,
coming winter very rough.

POSITION ANNOUNCEMENTS

Complete copies of all
position announcements can
be found at the front desk in
411 Borlaug Hall.

-Extension Soil Fertility Specialist.
Dwane Miller, Department of Crop
and Soil Sciences, Washington State
University, Pullman, WA.

-Graduate Research Assistantship
(M.S.) in pasture
ecology/management. Thomas
Griggs, Dept. of Plant, Soil and
Entomological Sciences, University
of Idaho, Moscow, ID.

-Assistant Professor. Gregg
Kormanik, Department of Biology,
University of North Carolina at
Asheville, Asheville, NC.

-Assistant Continuing Education
Specialist. Jane Hancock,
Department of Independent Study,
University of Minnesota,
Minneapolis, MN.

-Extension Soil Fertility Specialist.
Dwane Miller, Department of Crop
and Soil Sciences, Washington State
University, Pullman, WA.

If you would like to put an
announcement in the Gleanings
using e-mail, please sent them to Pat
at:

kessl001@maroon.tc.umn.edu

AGRONOMY GLEANINGS ^{MIW} _{2 Ag 8lea}



Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

October 29, 1993



NEW BABY

Congratulations to Bob and Sara Gregerson on their new baby boy born today at 12:19 a.m. The baby weighed 7 lbs. 4 oz. and was 21" long. The baby has the same birthday as his older brother Brett.

COLOR CODE WORKSHOP

If you signed up for the Color Code Workshop, please stop by 411 Borlaug Hall and select which sandwich you would like for lunch. Look on the sign up sheet on the front desk.

ASA PRACTICE SESSIONS

Oral presentations will be held on Tuesday, November 2 in 306 Borlaug Hall from 8:40 a.m. to 12:00 noon.

Oral presentations on Wednesday, November 3 will be held in 408 Agronomy Building from 10:00 a.m. to 12:00 noon.

Please note the room change from the original schedule for Wednesday A.M. presentations.

Poster presentations will be held on Tuesday, November 2 and Wednesday, November 3 in 408 Agronomy Building from 1:30 p.m. to 3:30 p.m.

All faculty, postdocs, graduate students, and staff are encouraged to come to the sessions.

CROPS TEAM

The Crops Team will participate in their first crops contest this Saturday, October 30. The Regional Crop Contest will be held here in 104 Agronomy starting at 9:00 a.m. Good luck to our team.

CALL FOR PAPERS

Minnesota Academy of Science is sponsoring a Soil Conservation and Water Quality Symposium on April 27-28, 1995. Abstract Submission: Authors should submit a 200-300 word abstract on the abstract proposal form (hardcopy and disk). Procedures and Deadlines: Paper proposals and abstracts must be received by May 15, 1994.

Minnesota Academy of Science is also sponsoring a Wetland Symposium. Procedures and Deadlines: Paper proposals and abstracts need to be received by February 15, 1994. The symposium will be held in Morris, MN on April 28-29, 1995.

See Jeanne Davy for additional information.

1994-95 CONGRESSIONAL SCIENCE FELLOWSHIP PROGRAM

Applications are currently being accepted for two positions in the Congressional Science Fellowship Program, to be available in September 1994. Applications will be accepted until the positions are filled, however, the selection committee will screen all applications received as of 1 March 1994. Please do not hesitate to recommend individuals that are in mid-career and possibly eligible for sabbatical leave or a temporary duty assignment, that we might extend an invitation to apply. Send applications to Robert F Barnes, Executive Vice President, American Society of Agronomy, 677 South Segoe Road, Madison, WI 53711.

WHITE HOUSE ENVIRONMENTAL FELLOWSHIP PROGRAM

The White House is looking for people with an interest in environmental policy to apply for its White House Fellowship Program for 1994-95. Participants would be full-time, paid assistants to Cabinet secretaries or other high-level executive branch officials. The non-partisan commission considers people from all backgrounds and chooses participants based on their academic, professional, and other achievements. Applications for the fellowship program are due December 1, 1993. For more information, contact Justin Leites, President's Commission on White House Fellowships, 712 Jackson Place, N.W., Washington, DC 20503.

GRADUATE STUDENTS

Graduate students who are close to finishing within the next several months, should make arrangements to have their picture taken at the Photo Lab. You need to make arrangements by calling 4-6773. Pictures are taken on Wednesday mornings. You also need to see Judy Slyter for a permission sheet. If you have any questions, please see Lynne in 302 Agronomy Building.

EMPLOYEE BENEFITS FAIR

The Employee Benefits Fair will be held on Tuesday, November 2 on the St. Paul Campus. Medical and dental directories will be available, and representatives from health carriers will answer questions. The event will be held from 10:00 a.m. to 3:00 p.m. Everyone is encouraged to attend.



DAYLIGHT SAVINGS TIME

Set your clocks back one hour on Sunday, October 31.

SEMINARS

Mon., Plant Breeding
Nov. 1 Plant breeding for reduced tillage. Jane Jewett in 306 Borlaug Hall at 3:30 p.m.

Nov. 8 Plant Molecular Genetics
Function of virulence genes of *Agrobacterium tumefaciens*. Anath Das in 306 Borlaug Hall at 12:00 noon.

Tues., Decision Case
Nov. 2 Decision cases for elementary and middle school education. Tammy Dunrud, Coordinator, COA Program for Decision Cases. The seminar will be held in 306 Borlaug Hall from 1:00-2:00 p.m.

Wed., Agromony
Nov. 3 Effects of low quality corn in swine feeding. Lee Johnston (West Central Experiment Station) in 306 Borlaug Hall at 2:30 p.m.

Thurs., Crop Molecular Genetics
Nov. 4 Engineering corn for elevated methionine. Julie Kiriara, 3M Company. The seminar will be held at 10:30 a.m. in 306 Borlaug Hall. Candidate for Assistant Professor position in Molecular Genetics of Cereals.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Country Group Advisor. Julie Sukowaty, SPAN Program Coordinator, University of Minnesota, Minneapolis, MN.

-Weed Scientist. Mark McClure, Connecticut Agricultural Experiment Station, Windsor, CT.

-Farm Advisor in Pomology/Water & Soils. Mary-Louise Peters, Division of Agriculture and Natural Resources, University of California, Parlier, CA.

-Dean, College of Business. John E. Drumheller, Office of the Provost, Montana State University, Bozeman, MT.

-Vice President and Provost. The Vice President and Provost Search Committee, Illinois State University, Normal, IL.

-President of Texas A&M University. Don Hellriegel, Chair, Texas A&M University, College Station, TX.

-Vice Provost for Academic Affairs. Toni Bargaglioti, Memphis State University, Memphis, TN.

-Dean of the School of Arts and Sciences. Joseph Cooper, The Johns Hopkins University, Baltimore, MD.

-Postdoctoral Research Associate. David Myrold, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

-Extension Soil Science Specialist. NDSU Extension Service Director's Office, North Dakota State University, Fargo, ND.

-Dean of the College of Arts and Science. John Wikswo, College of Arts and Science, Vanderbilt University, Nashville, TN.

-Senior Vice Chancellor & Provost. Chairperson, Office of the Dean,

University of Pittsburgh, Pittsburgh, PA.

-Faculty Position in Plant Biology. Kenneth Keegstra, Plant Research Laboratory, Michigan State University, East Lansing, MI.



It was a cold and blistery Halloween night

the children all shuddered with fright

the spectacle they saw

made them drop their lower jaw

as Don Wyse at the door was a sight

GIG

HAPPY HALLOWEEN



AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics
University of Minnesota, St. Paul, MN 55108-6026

November 5, 1993

WELCOME

Please welcome Stephanie Gage to the department. She is the new senior secretary for the Extension Office. She is from Zumbrota, MN.

MINNESOTA MIXER - ASA MEETINGS

The University of Minnesota Mixer will be held in **Bronze Room B** of the Clarion Hotel from 5:30 to 8:30 p.m. on Monday, November 8 instead of in the **Grand Ballroom B** of the Clarion Hotel. There will be a cash bar and complementary hors d'oeuvres.

1993-94 STUDENT STAFF DIRECTORY

The new directories are available in the xerox room. Help yourself. Please bring your old directory to 411 Borlaug Hall for recycling.

SLOPPY JOE/TURKEY RAFFLE

The 11th annual Sloppy Joe Lunch and Turkey Raffle will be held on Thursday, November 18 from 11:45 a.m. to 1:00 p.m. in 306 Borlaug Hall. There will be a host of prizes which fit the spirit of Thanksgiving. Cost of the lunch is \$2.00 at the door. Raffle ticket sales (at \$1.00 per ticket) will begin November 8. Support the Grad Club and plan to have gobbles of fun watching the winners collect their prizes while the grad students serve you lunch.

COLOR CODE SEMINAR

The room has been changed to 335 Borlaug Hall for the Color Code Seminar on December 15. Don't forget to come up to 411 Borlaug Hall and sign up for the sandwich you would like for lunch.

CALL FOR ORAL AND POSTER PAPERS

State water resources conferences will be held at the Minneapolis Convention Center, April 21-22, 1994. Plenary and breakout sessions will focus on Minnesota's major rivers and their watersheds, and contributed papers related to this subject are sought for both oral and poster sessions. The planning committee welcomes technical and management-oriented contributions. Persons interested in contributing a paper should submit a title and descriptive abstract (~ 100 words) to: Program Committee, Minnesota Water '94, Water Resources Research Center, Suite 302, 1518 Cleveland Avenue, University of Minnesota, St. Paul Campus. Deadline for submission is December 3, 1993.

FAXES

To save money for your project, try sending your messages by e-mail instead of the FAX machine.

SEMINARS

ASA meetings.

POSITION ANNOUNCEMENTS

Complete copies of all position announcements can be found at the front desk in 411 Borlaug Hall.

-Assistant County Agent. James L. Smith, Alabama Cooperative Extension Service, Auburn University, AL.

-Dean of the College of Natural and Agricultural Sciences. Chair, CNAS Dean Search Committee, Office of the Chancellor, University of California, Riverside, CA.

-Eight intern positions in corn breeding research. Leslie Lorenc, Pioneer Hi-Bred International, Inc.,

Johnston, IA.

-Chair. Dr. Duane Enger, Department of Biochemistry and Biophysics. Iowa State University, Ames, IA.

-Extension Agent, Pest Management; Area Extension Leadership Educator. Irma Sargent, Oregon State University Corvallis, OR.

-District Director; MES Grants Development Coordinator; Interim Program Leadership Coordinator. Leslee Mason, Minnesota Extension Service - Human Resources, University of Minnesota, St. Paul, MN.

-Graduate fellowships. William A. Jury, Department of Soil & Env. Sciences, University of California, Riverside, CA.

Agronomy Gleanings

Department of Agronomy and Plant Genetics
University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773

November 12, 1993

MSW
L Ag 86a

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Announcements

Congratulations to Lu and Laura Oliveira on their baby boy born on Monday, November 8. Alexandre weighed 8 lbs. 7 oz. and was 20.5" long. He joins big brother Andrei. Lu and his family will be going back to Brazil the first part of December.

There will be a faculty meeting on Monday, November 15 at 1:00 p.m. in 306 Borlaug Hall.

Howard E. Kaerwer died November 10, after a short illness. Retired Director of Research & Development, Northrup King & Co. He worked with the forage and turf people on the campus and the University. Memorials may be sent to the University of Minnesota Landscape Arboretum.

The University of Minnesota is holding the second Thank 'U' Community Food Drive on November 22, 23, 24. I am the food drive team leader for the Agronomy Department. If you would like to donate food items please bring them to the Agronomy Department Library - 304 Agronomy Building on November 22, 23, 24. There will be a collection box right inside the door. The donated items will be given to the Harvest Food Bank. Some of the items requested for donation are baby food (boxed or canned or plastic), beans (pinto and navy), breakfast cereal, oatmeal, canned chili, fruit juice, fruit, hash, meat, fish, soups, stew, vegetables, white rice, pancake mix, macaroni and cheese, grains, pasta products, spaghetti dinners, dried milk, nonperishable dairy products. The items will be picked up from our library. If you prefer you can bring your items to one of the other drop off sites -- St. Paul Student Center, St. Paul Gym, Coffman Union, 100 Morrill Hall, Route 13 and 52 campus buses or the fairgrounds parking lot. If you have any questions please see me in 302 Agronomy. Thank you for your generosity. Lynne Medgaarden (5-4742)

Upcoming Events

The Agronomy and Plant Breeding Graduate Club presents the 11th annual Sloppy Joe/Turkey Raffle. The event will be held on Thursday, November 18 from 11:45 a.m. to 1:00 p.m. in 306 Borlaug Hall. The graduate students are selling the raffle tickets for \$1.00/each. Lunch is \$2.00 at the door. Plan to have lunch with our group on Thursday!

Thesis Defense

Field and laboratory methodologies for measuring winter survival and cold tolerance in alfalfa. Phil Schwab in 306 Borlaug Hall at 2:00 p.m. on Thursday, November 18.

Evidence for two independently segregating loci encoding acetyl-coA carboxylase in *Zea mays*. Kevin Van Dee in 306 Borlaug Hall at 1:00 p.m. on Friday, November 19.

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Assistant or Associate Professor, Department of Crop Science, North Carolina State University, Raleigh, NC.

Extension Assistant Professor of Agronomy, Department of Agronomy, University of Missouri, Columbia, MO.

Regional Plant Production Officer, Central Recruitment, Personnel Division, FAO, Viale delle Terme di Caracalla, Rome, Italy.

Director of the University Library System, University Library System Director Search Committee, University of Pittsburgh, Pittsburgh, PA.

Vice Provost for Academic Services and Technology and Dean of Continuing Education, Kansas State University, Manhattan, KS.

Director of International Agriculture, Department of Horticulture, The University of Georgia, Athens, GA.

Seminars

November 15 Plant Breeding: Seminar is CANCELED.

November 16 Decision Case: Mada Reicks, Assistant Professor, Department of Food Science and Nutrition and Roland Peterson, Professor, Department of Agriculture Education, Decision cases for secondary level education, 1:00-2:00 p.m., 306 Borlaug Hall.

November 17 Agronomy: Lee Hardman, Quality concerns in soybeans, 3:30 p.m., 306 Borlaug Hall.

Agronomy Gleanings

M/W
Ag 8/20

Department of Agronomy and Plant Genetics
University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773

November 19, 1993

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Announcements

Congratulations to Scott and Jodi Erickson on their baby boy born on Monday, November 15. Levi Scott weighed 6 lbs.

Congratulations to Gary and Charlene Muehlbauer on their new baby boy born on Wednesday, November 17. Kevin weighed 8 lbs. 1 oz.

Congratulations to Vernon Cardwell who was inducted into his role as President of the Crop Science Society of America during the recent ASA/CSSA/SSSA meetings in Cincinnati.

Congratulations to Phil Schwab who passed his M.S. defense.

Congratulations to Darin Pesta on his election as Vice President of the student activities subdivision of the American Society of Agronomy. Darin is an undergraduate student in our department. This is a one-year term.

The Sloppy Joe Lunch/Turkey Raffle was a great success! Thanks to all who participated. The lucky winners of the day were:

#14 turkey - Charlotte Herman of Horticulture

#10 turkey - Ted Jeo

Steak dinner for two & wine - Dave Robinson

Pumpkin pie & whip cream - Eon Seon Lee

Wild rice & tin - Allan Roelfs

Carmel apple kit - Oscar Riera

Apple cider - Dennis Dolan

Window dressing kit - Oscar Riera

Turkey carving kit - Yes, Oscar Riera AGAIN

Turkey hunting kit - Nadia Al-Saady

Turkey hunting kit - Jacob Eta-Ndu

Chocolate turkey - Lynne Medgaarden

For sale

Grand AM LE, 1989, two-doors, five speed, manual transmission, 45,000 miles, no rust, silver, original owner, \$6,000/BO. Please call Lu Oliveira at 642-9627 if interested.

Grant

Request for Pre-Proposals for IPSA (Independent Professional Seedsmen Association) 1994 Cooperative Research Projects. The deadline for submission is December 1, 1993. See Jeanne for details and application form.

Student Committee

Summer Student Advisory Committee is looking for ten students to serve on the committee to provide suggestions and feedback to the summer session administration. Students will meet three times per academic year to discuss curriculum, publications, advertisements, and other matters that directly affect students in the summer session. Interviews will be conducted November 22-December 1. Please call Robert Thompson at 624-3555 for more information.

Science Fair

Twin Cities Regional Science Fair is an annual competition which has been taking place in the Twin Cities for over 50 years. All students in grades six through twelve in both public and private schools are eligible to compete. The TCRSF is an all volunteer organization. Judges are needed who are willing to give six hours of their time to help encourage students in the metro area. For more information write or call David Miller, TCRSF, 2028B Ford Parkway, #136, St. Paul, MN 55116/612-225-1910.

Toys for tots

The MSP Returned Peace Corps Volunteer group invites you to help make the holiday season a happier one for poor children in the Twin Cities. We are helping with KARE 11's Toys for Tots campaign this year. A TOYS FOR TOTS toy is the only gift many of these children receive during the holiday season. Our goal is to collect 138 toys (one for every country in which the Peace Corps serves). Please help this effort. A collection box will be located in the Agronomy mail room until December 10. Toys should be new and can be for any age child. They need not be wrapped. Thank you very, very much. If you have questions or concerns, please contact Meg Moynihan.

Food Drive

The University of Minnesota is holding the second Thank 'U' Community Food Drive on November 22, 23, 24. If you would like to donate food items please bring them to the Agronomy Department Library - 304 Agronomy Building on November 22, 23, 24. There will be a collection box right inside the door. The donated items will be given to the Harvest Food Bank. Some of the items requested for donation are baby food (boxed or canned or plastic), beans (pinto and navy), breakfast cereal, oatmeal, canned chili, fruit juice, fruit, hash, meat, fish, soups, stew, vegetables, white rice, pancake mix, macaroni and cheese, grains, pasta products, spaghetti dinners, dried milk, nonperishable dairy products. The items will be picked up from our library. If you prefer you can bring your items to one of the other drop off sites - St. Paul Student Center, St. Paul Gym, Coffman Union, 100 Morrill Hall, Route 13 and 52 campus buses or the fairgrounds parking lot. If you have any questions please see me in 302 Agronomy. Thank you for your generosity. To make a monetary donation, send a check to Exchange Food Shelf Charities, 607 Washington Avenue South, Minneapolis, MN 55415. Please indicate that your check is part of the Thank 'U' Community Food Drive.

Vehicles

All project vehicles and equipment that are ready to be stored should contact Mike McClellan so that we can get them into the fairgrounds by the first week of December. Also, all project vehicles whether stored or left out need to get an emissions test as soon as possible. Contact Dan Zens in the Farm Shops and he will handle it.

Conference

The Faculty of Agriculture of the Hebrew University in Jerusalem is pleased to announce an International Conference on Modern Agriculture and the Environment to be held October 2-6, 1994 in Rehovot, Israel. Deadline for submission of abstracts is April 30, 1994.

Drafts

A copy of the drafts of the University 2000 Mission are available in the main office.

Library

We are missing the January-March 1992 copy of Weed Technology from the Department Library. If you have this issue or if you have a personal issue you could donate to the library we would appreciate it. I will be sending them out to be bound. If we can't find it than we will have to pay for a new one and it is expensive. Thank you, Lynne.

Cleanup

The storeroom in 226 Borlaug Hall is being cleaned out. There is extra computer equipment to be given away to any lab or office that can use it. Help yourself.

Elevator

Please close the gate on the elevator door in the Agronomy Building so the next person will be able to use it.



"You have to graduate...Students don't get tenure."

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Faculty Research Assistant, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

Assistant Professor/Research Associate, Department of Agronomy, Colorado State University, Fort Collins, CO.

Research Associate, Department of Soil Science, North Carolina State University, Raleigh, NC.

Assistant or Associate Professor, Department of Crop Science, North Carolina State University, Raleigh, NC.

Dairy and Livestock Agent, Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

Internships, Rodale Institute Research Center, Kutztown, PA.

Seminars

November 22 Plant Molecular Genetics: David Marks, The making of fly n plant hairs, 12:00 noon, 306 Borlaug Hall.

Plant Breeding, Rick Harrison, Preventing resistance to resistance, 3:30 p.m., 306 Borlaug Hall.

November 24 Agronomy, No seminar.

November 29 Plant Breeding, Paula Olhoft, Conservation of genetic linkages across genera, 3:30 p.m., 306 Borlaug Hall

November 30 Decision Case, Kent Crookston, Decision case use in international education and research, 1:00-2:00 p.m., 306 Borlaug Hall.

Calendar

November 25-26 Thanksgiving Holiday. All University offices will be closed.

Agronomy Gleanings

Department of Agronomy and Plant Genetics
University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773
December 3, 1993

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Announcements

Thank you to everyone who contributed to the Thank "U" Community Food Drive last week.

The department social committee invites you to a **HOLIDAY BREAK ... FRIDAY, DECEMBER 17, TIME: 9:30 a.m., PLACE: 306 Borlaug Hall, COST: \$2.00.** Plan to join your co-workers in a morning treat of flavored coffees, teas, juice, bagels and sweet rolls. A short program will begin at 10:00 a.m. to award prizes for decorated doors and knock, knock jokes. Special music to be provided by Karen Wasiluk and Tom Soulen. Mark your calendars and be there to participate and share in the gifts of the season... good food, good friends, and lots of laughter.

KNOCK! KNOCK! WHO'S THERE? It's a contest ... being held in conjunction with our department holiday break, **DECEMBER 17.** Enter your favorite knock, knock joke and win a prize. Entry forms available in the main office. Don't stop there...decorate a door and win another prize. Whether you are an individual or a group, choose a theme and put your creative side to work. All decorated doors will be on display during our **HOLIDAY BREAK...DECEMBER 17** for all to enjoy.

Beef Cattle Day is set for December 7 at Northwest Experiment Station at Crookston, MN. Registration and refreshments begin at 9:30 a.m. in the auditorium of the Agricultural Research Center. The meeting will run from 10:00 a.m. to 3:00 p.m. For more information contact Harvey Windels at 218-281-8609.

Graduate Assistant Insurance Office has moved from Johnston Hall to W-226 Boynton Health Service, 410 Church St. SE. The phone number is 612-625-6936.

If you notice slippery patches on the sidewalks on campus please call Facilities Management grounds unit at 624-3351, so action can be taken to prevent injuries.

Toys for tots

The MSP Returned Peace Corps Volunteer group invites you to help make the holiday season a happier one for poor children in the Twin Cities. We are helping with KARE 11's Toys for Tots campaign this year. A **TOYS FOR TOTS** toy is the only gift many of these children receive during the holiday season. Our goal is to collect 138 toys (one for every country in which the Peace Corps serves). Please help this effort. A collection box will be located in the Agronomy mail room until **DECEMBER 10.** Toys should be new and can be for any age child. They need not be wrapped. Thank you very, very much. If you have questions or concerns, please contact Meg Moynihan.

Vehicles

Vehicles 2188 (Dodge Caravan) and 2356 (Buick Century) are now stored in the back of Crops Service, east end, until April 1. Please keep the Agronomy vehicles parked always on the left side as you drive in.

Women in Agricultural Science

Our next meeting will be on Wednesday, December 8 at 12:00 noon in 375 Borlaug Hall. Come to socialize and celebrate the holidays! Please bring Christmas cookies or treats to share.

New Course Offering

The Department of Food Science and Nutrition will be offering a new course winter quarter. The primary focus is on grain quality, composition and processing. The course will be offered on Mondays, FScN 5550, 6:00-9:30 p.m., 4 credits, call no. is 374023. Call R. Gary Fulcher at 626-1220 for more information.

Barley Project

The barley project is in search of a couple of hot plates they can borrow from now through the end of February. If anyone can help them out, please call Dave or Ed at 5-0250. Thanks.

W-4's and MWR Forms
Exempt W-4's submitted to payroll in 1993 expire on February 15, 1994. To avoid having taxes withheld after that date, new exempt W-4's must be received in the Payroll Department by the following dates:

Biweekly Payroll - 4:00 p.m. on 2-8-94
Regular Payroll - 4:00 p.m. on 2-18-94

MWR forms (Reciprocity) expire on February 28, 1994. To avoid having Minnesota taxes withheld, new forms must be in payroll by the following dates:

Biweekly Payroll - 4:00 p.m. on 2-22-94
Regular Payroll - 4:00 p.m. on 3-7-94

MWR forms are available from the Minnesota Department of Revenue at the following number - 296-3781.

Whenever there's a change in your filing status, exemption allowances, or address, you should file a new W-4 form. If you have any questions, please do not hesitate to contact the Payroll Tax Area at 624-2837.

NY Times Book Review, October 31, 1993 by Patricia Nelson Limerick

Ten years ago, I heard a classics professor say the single most important thing—in my opinion—that anyone has said about professors: "We must remember," he declared, "that professors are the ones nobody wanted to dance with in high school."

This is an insight that lights up the universe—or at least the university. It is a proposition that every entering freshman should be told, and it is certainly a proposition that helps to explain the problem of academic writing. What one sees in professors, repeatedly, is exactly the manner that anyone would adopt after a couple of sad evenings sidelined under the crepe-paper streamers in the gym, sitting on a folding chair while everyone else danced. Dignity, for professors, perches precariously on how well they can convey this message: "I am immersed in some very important thoughts, which unsophisticated people could not even begin to understand. Thus, I would not *want* to dance, even if one of you unsophisticated people were to ask me."

Think of this, then, the next time you look at an unintelligible academic text. "I would not *want* the attention of a wide reading audience, even if a wide audience were to *ask* for me." Isn't that exactly what the pompous and pedantic tone of the classically academic writer conveys?

Close to Home / John McPherson



It's never hard to spot the spouses at the annual office Christmas Party.

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Assistant Professor-Forages, Department of Crop and Soil Science, Oregon State University, Corvallis, OR.

Extension Specialist/Horticulturist, Department of Vegetable Crops, University of California-Davis, Davis, CA.

Intern Positions in corn breeding research, Pioneer Hi-Bred International, Inc., Johnston, IA.

Agricultural Officer (Tropical Pasture); Agricultural Officer (Pasture Improvement); Regional Plant Production Officer, Central Recruitment, Rome, Italy.

Post-doctoral - Poultry, Department of Poultry Science, Louisiana State University, Baton Rouge, LA.

General Agronomist with ICARDA in Iran, international experience required, ICARDA, Aleppo, Syria.

President, California State University, Long Beach, CA.

Dean, College of Education, Butler University, Indianapolis, IN.

Provost and Dean of the College, Albertson College of Idaho, Caldwell, ID.

Dean, College of Education, Health and Human Services, Central Michigan University, Mt. Pleasant, MI.

Coordinator of Seed Regulatory Program, College of Agriculture, University of Kentucky, Lexington, KY.

Highway Agricultural Service of LeSueur, MN, See Larry Smith in 301 Agronomy for more information.

Seminars

December 6 Plant Molecular Genetics: John Doebley, Molecular evolution of maize, 12:00 noon, 306 Borlaug Hall.

Biomass Energy Seminar and Panel Discussion: 3:00-5:00 p.m., 335 Borlaug Hall.

Evan Hughes, Biomass Energy Program Manager, Electric Power Research Institute, Palo Alto, CA (3:00 p.m.).

Panel: Max DeLong, Ben Wiant, Mike Onischak, Mike Schmid, Hans Jung, Sustainable Biomass Electricity (4:00 p.m.).

Calendar

December 3 Last day of classes for Fall Quarter

December 13 Faculty meeting

December 17 Holiday Break Party

December 20 Office Cookie Party

MILWAUKEE

Agronomy Gleanings

Department of Agronomy and Plant Genetics
University of Minnesota
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773
December 10, 1993

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Announcements

There will be a faculty meeting on Monday, December 13 at 10:00 a.m. in 306 Borlaug Hall.

The Color Code seminar will be presented next Wednesday, December 15 in 335 Borlaug Hall. Please plan to arrive at 9:45 a.m. so we can get settled in by the 10:00 a.m. start time. Lunch (sandwich, chips, cookie and pop) will be provided for all those who signed up for the seminar in the main office. The seminar will last until approximately 3:00 p.m.

All projects must do their own afternoon watering on December 15. Pam Altermatt will be at the Color Code Seminar.

The Minnesota Cultivated Wild Rice Council, Board of Directors is soliciting research proposals for cultivated wild rice research projects. Proposals must be received by the Council office by January 17, 1994. You must submit eight copies of your proposal. They should be sent to:
Minnesota Cultivated Wild Rice Council
1306 West County Road F, #109
St. Paul, N 55112

Please see Jeanne for complete instructions.

The Legislative Commission on Minnesota Resources (LCMR) will be accepting proposals for projects designed to help maintain and enhance Minnesota's natural resources. The request for proposals is for new, innovative or accelerative natural resource projects. The deadline for submission is Friday, February 4 by 4:30 p.m. Only proposals received by the deadline in the proper format will qualify for consideration. The project implementation is for a two year duration - July 1995 to June 1997.

Lynne Brown, Ph.D., Nutritionist, Pennsylvania State University, has requested assistance in finding housing during her sabbatical leave at the University of Minnesota next year. Dr. Brown will be studying family/consumer decision-making models with the faculty of the Department of Family Social Sciences, College of

Human Ecology. Dr. Brown will be here from September 1994 to August 1995. She is interested in a furnished living arrangement. She would also like access to a garage. Please contact Mary Darling in Food Science at 624-6286.

Come celebrate the Season - Friday, December 17

Come one and all to warm your chilly toes and noses at this year's holiday party - **THE HOLIDAY BREAKFAST BREAK**. We'll have plenty of gourmet coffees, teas, cocoa, bagels, donuts, sweet rolls and other tidbits for your gastronomic pleasure. Also, live music for your senses and a couple of wacky contests for your funny bone. The date is next Friday, December 17. The place: 306 Borlaug. The time: 9:30 a.m. The cost: a modest \$2.00 at the door.

Knock! Knock! Who's There?

It's a contest ... being held in conjunction with our department holiday break, DECEMBER 17. Enter your favorite knock, knock joke and win a prize. Entry forms available in the main office. Don't stop there...decorate a door and win another prize. Whether you are an individual or a group, choose a theme and put your creative side to work. All decorated doors will be on display during our HOLIDAY BREAK...DECEMBER 17 for all to enjoy. See entry form for more details.

Alexander von Humboldt Foundation

The nominations for the Alexander von Humboldt Foundation Award for 1994 is due February 18, 1994. A cash prize of \$10,000 will be given to the person chosen as having made the most significant contribution to American agriculture during the previous five years. Six copies of the nomination need to be sent to Dr. Leo M. Walsh, National Selection Committee, College of Agricultural and Life Sciences, 263 Soil Science, 1525 Observatory Drive, University of Wisconsin-Madison, Madison, WI 53706.

Workshop

"Building Cultural Bridges," a program designed to address valuing diversity in the work place, will be offered by the Office of Equal Opportunity and Affirmative Action from 8:30 a.m. to 4:30 p.m. on the following dates:

Wednesday, January 19 - HHH, Room 184
Wednesday, February 16 - HHH, Room 184
Wednesday, March 16 - HHH, Room 184
Tuesday, April 19 - St. Paul Union, Room 110
Wednesday, May 11 - HHH, Room 184

To register for the above workshops please call Julie at 624-9547.

Steam Service

The steam service will be shut off for repairs on Wednesday, December 15 from 7:00 a.m. to 3:30 p.m. in the following buildings:

415 - Plant Pathology Greenhouse
432 - Agronomy Greenhouse Classroom
370 A-J - Greenhouses

Please notify Tim Gordon at 624-5303 of any problems which would prevent the interruption from proceeding on schedule.

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Vice President for External Relations, College of Education, University of Minnesota, Minneapolis, MN.

Assistant Professor-hop pests, Department of Plant, Soil and Entomological Sciences, University of Idaho, Moscow, ID.

Agricultural Science Research Technician-forage grasses, USDA-ARS, University of Nebraska, Lincoln, NE.

Visiting Research Specialist in Agriculture-corn/soybeans, Department of Agronomy, University of Illinois at Urbana-Champaign, Urbana, IL.

Assistant Professor of Agronomy and Horticulture-crop science, Department of Agronomy and Horticulture, New Mexico State University, Las Cruces, NM.

Agricultural Agent, Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

Agronomist, crop production, Ag Specialists, Incorporated, Plato, MN.

Research Technician-wheat/wild grasses, USDA-ARS, State University Station, Fargo, ND.

Director, China Center, Institute of International Studies and Programs, University of Minnesota, Minneapolis, MN.

Assistant Professor-soils, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, NE.

Postdoctoral Position-wheat, USDA-ARS, State University Station, Fargo, ND

Dean of the School of Agriculture, Science Administration, Purdue University, West Lafayette, IN.

Extension 4-H Summer Assistant, Extension Personnel, University of Minnesota, St. Paul, MN.

Food Science Assistant Professor, Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN.

Calendar

December 13 Faculty Meeting
December 15 Color Code Seminar
December 17 Holiday Break Party
December 20 Office Cookie Party
December 23-24 All University offices will be closed

Agronomy Gleanings

Department of Agronomy and Plant Genetics

University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773

December 17, 1993

MW
2-7860

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Sympathy

H. Kendall Hayes, son of H. K. Hayes, passed away recently. There was a memorial service at 7:00 p.m. on Monday, December 13 at Covenant Church in Edina. Memorials preferred.

Announcements

Warm thanks to all who contributed toys to the Toys for Tots drive. We collected 28 super toys, which is tremendous. The toys were delivered to the Peace Corps community outreach project over the weekend and will be taken to KARE 11 sometime this week. Thanks again. Meg Moynihan

The office staff will hold their annual cookie party on Monday, December 20. Many holiday treats will be provided all morning in 411 Borlaug Hall. Everyone is invited.

The Gleanings will now be circulated by e-mail for those who are connected to the system.

Monday, December 20 will be the last day to purchase Hmong decorations in 411 Borlaug Hall. So hurry before it's too late

Single-quarter leave applications for 1994-95

Single-quarter leave applications for the 1994-95 fiscal year (7/1/94 to 6/30/95) will be due on Friday, January 21, 1994 to Elise Forrette in the College of Agriculture Dean's Office. This deadline will allow review and ranking by the Faculty Development Committee, review and decision by the Dean, and review by the IAFHE Office prior to the February 25, 1994 deadline in Central Administration. The process for application is the same as last year, with an eligibility quota of nine (9) for the College of Agriculture. Please see Jeanne for details.

Pesticide Applicator Recertification Workshop

A pesticide recertification workshop (for license categories C, D) will be held January 19, 1994 at the Earle Brown Center. Registration forms were sent to all applicators. If you last attended a workshop in January 1991, then it is time to attend again (you must attend every three years). A large group of people from Agronomy attended in 1991. This workshop satisfies license recertification for 1995, 1996 and 1997. On the registration form indicate that you are a U of M employee and the registration fee will be waived. If you want lunch with the workshop, indicate that on the form and give your CUF5 number. Any questions call Kelly Fisher at 5-8215. To avoid late fees, registration forms should be postmarked by Monday, December 20.

Pesticide Applicators License Renewal

1994 license renewal forms have been sent out to all pesticide applicators. Renewal fee is \$10.00 for government employees - you will be reimbursed by your project if you submit proof of payment to Judy. Renew as early as possible - if your license lapses renewal at a later date is expensive.

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Horticulture Faculty Assistant, Cooperative Extension, University of Wisconsin-Extension, Madison, WI.

Specialist-Floriculture, Ornamental Horticulture and Landscape Design, The University of Tennessee, Knoxville, TN.

Director of the Western Human Nutrition Research Center, USDA-ARS, Greenbelt, MD.

Post-doctoral Research Associate-nitrogen, Department of Agronomy, Kansas State University, Manhattan, KS.

Extension 4-H Summer Assistant, Extension, University of Minnesota, St. Paul, MN.

Assistant Professor-crop science, Department of Agronomy and Horticulture, New Mexico State University, Las Cruces, NM.

Dean of the College of Education, College of Liberal Arts and Sciences, University of Florida, Gainesville, FL.

Coordinator for Research Development, Texas Agricultural Experiment Station, Texas A&M University, College Station, TX.

Calendar

December 20	Office Cookie Party all morning long!
December 23-24	All University offices will be closed.
December 31	All University offices will be closed.

Agronomy Gleanings

Department of Agronomy and Plant Genetics
University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108 (612) 625-7773
December 30, 1993

MIW
2/15/94

The mission of the Department of Agronomy and Plant Genetics is to discover and share information and genetic material that increases the efficiency, reliability, and profitability of crop production and utilization within Minnesota and around the world. We promote environmentally-sound practices that preserve the natural resource based upon which agriculture depends.

Announcements

The Cooperative State Research Service (CSRS) is sponsoring a Research Apprenticeship Program for high school juniors and seniors in 1994. The main objective is to stimulate interest among the minority communities in science related careers. Investigators currently conducting CSRS funded research projects are invited to apply for funding of apprenticeships. Applications are due no later than January 14, 1994. Jeanne has an application kit if anyone is interested in this program.

Formal retirement of Alan Roelfs from ARS will be held on Friday, January 28. Dr. Roelfs will present "Wheat Leaf Rust -- the Present and the Future" at 3:00 p.m. in 33 McNeal Hall. A reception in the Cherrywood Room of the St. Paul Campus Student Center will follow after the presentation. Those who would like to write a letter for inclusion in a bound volume should send the unfolded letter to Delores Huebner by January 15.

We have just received new membership packets for anyone interested in joining ASA, CSSA, SSSA. See Lynne in 302 Agronomy to pick up a membership packet.

The College Office has been notified that we survived the first cut of proposals from Kellogg for funding for educational institution reform. We are among 15 colleges selected from a pool of 40 applicants. Kellogg will make site visits to these 15 colleges and then choose eight or nine for final funding in this multi-million dollar enterprise. Thanks to Don Wyse who served on the committee that developed our successful proposal.

Soil and Water Conservation Society will hold their 49th Annual Meeting in Norfolk, Virginia from August 7-10, 1994. Abstracts are due January 31. Call Nancy Bushwick Malloy at 301-649-3675 for more information.

Notice from Payroll

Effective with salaries paid after January 1, 1994, the federal supplemental wage tax will change from 20% to 28%. This means if you receive a check on regular or miscellaneous payroll and on biweekly payroll in the same time period the supplemental tax will increase by 8%.

LCMR

The Legislative Commission on Minnesota Resources (LCMR) staff will conduct a workshop for people who intend to respond to the LCMR Request for Proposals (RFP) due February 4, 1994. The purpose of the workshop is to assist with the format for proposals and any details about the LCMR process, eligibility, time frames, reimbursement, pass-through arrangements, legislative processing, and other questions which may occur. Attendance is optional. The following two workshops are scheduled: Tuesday, January 11, 1994, 10:00 a.m. to noon (for proposers responding to RFP strategies A-J); Wednesday, January 12, 1994, 10:00 a.m. to noon (for proposers responding to RFP strategies K - R). Details are posted on the bulletin board outside of 411 Borlaug Hall.

For Sale

Full size mattress, box spring and frame. New (1 1/2 years old), \$125/negotiable. Call Jayanti at 5-1208 or 483-2828.

Position Announcements

(Posted in notebook in 411 Borlaug Hall)

Assistant Professor-cropping systems, Department of Crop Science, North Carolina State University, Raleigh, NC.

Postdoctoral Fellow-porous media, Department of Agronomy and Soils, Auburn University, AL.

Extension Weed Specialist-vegetation management, Division of Biological Sciences, University of California, Davis, CA.

Postdoctoral Research Scientist-plant molecular biotechnology in Japan, Kincannon & Reed, Vienna, VA.

Extension Rangeland Resources Specialist; Natural Resources Area Agent, Department of Rangeland Resources, Oregon State University, Corvallis, OR.

Seminars

- January 3 Plant Molecular Genetics, Mark Brenner, 4-Cl-IAA -- A possible seed signal in development pea pods to regulate gibberelin metabolism in pericarp growth, 12:00 noon, 306 Borlaug Hall.
- January 5 Agronomy Seminar, Jon Bjornstad, Corn grain quality concerns for ethanol production and by-products, 3:30 p.m., 306 Borlaug Hall.
-

Calendar

- December 31 All University offices will be closed.
January 3 Winter Quarter begins.
January 10 Faculty meeting.

HAPPY NEW YEAR!