

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
January 4, 1999

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Congratulations to Gregg Johnson and his wife on the birth of their new baby daughter, Anna Kathleen. She was born December 14 at 2:15 p.m. and she weighed 7 lbs. 15 oz. and was 20.5 inches long. Mom and baby are doing great.

Also, a baby girl was born to Russell and Alisa Rasmussen on December 11. She weighed 7 lbs. 3 oz. and was 20 inches long. Her name is Kya Renee. Her 3 older brothers, Chantry, Nathan, and Riley, are excited to have a baby and are helping to take care of her by getting things for their mom. They also like to hold her. Everyone is doing well and all are happy.

1999 Call for Proposals--The North Central Region (NCR) Sustainable Agriculture Research and Education (SARE) Professional Development Program (PDP) is seeking proposals for professional development initiatives in sustainable agriculture. Projects can include educational activities that will take place on commercial farms; workshops; conferences, including use of satellite or other interactive TV technologies; development of materials and fact sheets, handbooks and manuals, videos, etc.; or innovative combinations of these or other activities. A signed original and 23 copies of each proposal must be received by 5:00 p.m. (CST) on January 29, 1999.

Greenhouse Users Reminder--Today is a clean-up/watering day. Thanks for your help.

Grant Writing Workshop--There are still 25 spaces available for registration for the Grant Writing Workshop, January 7th, 9:00 a.m. to 4:00 p.m., Room 135 Earle Brown Center. TO REGISTER for this free workshop Email Marilyn Swanson at holex001@maroon.tc.umn.edu or phone #624-1268.

Weeds Discussion Group-- Monday, January 4, Carmen Fernholz, "Experiences in an Organic System," 12 noon, 306 Borlaug Hall.

Student 5th Annual Community Service Fair--The St. Paul Fair will be held on Wed., January 13th from 10 a.m. to 2:00 p.m. in the Northstar Ballroom. The Minneapolis Fair will be held on the first floor of Coffman Memorial Union on Wed., January 20th from 10 a.m. to 2:00 p.m.

COAFES, Health and Safety Training, January 13 (note date change), 10:00 a.m., Room 106, Biosystems & Ag Engineering. Hazardous Waste--Andrew Phelan, Assist. Dir., DEHS. The session will cover proper storage and labeling of chemical wastes, proper packing of chemicals, completing of waste manifests, DEHS evaluation of unknown chemicals, and required record keeping.

## SEMINARS

January 4 Plant Breeding, Organizational Meeting, 3:35 p.m., 306 Borlaug Hall.

January 5 Plant Biological Sciences Colloquium, "Herbarium collections: Hidden assets in biology," Dr. Anita Cholewa, Bell Museum of Natural History, Univ. of Minn., 3:30 p.m., 335 Borlaug Hall.

Entomology, Marlijn Hoogendoorn, Dept. of Entomology, Univ. Minn., "Geographic variation in a parasitoid species," 3:00 p.m., 490 Hodson.

January 6 Horticultural Science, Hyeon-Hye Kim, Chiba University, Japan, "Flowering control of two Chilean geophytes (*Zephyra* and *Leucocoryne*) and *Lisianthus (Eustoma)*," 3:30 p.m., 415 Alderman Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**USDA-ARS**

Research Leader, North Central Regional Plant  
Introduction Station (NCRPIS), Ames, Iowa.

**INSTITUTE FOR AGRICULTURE AND TRADE  
POLICY (IATP)**

Environment and Agriculture Program Communications  
& Administrative Assistant (40 hours/week),  
Minneapolis, Minn.

Closing date: December 31, 1998

**KANSAS STATE UNIVERSITY**

Assistant Scientist, Department of Agronomy, Manhattan.  
At least an M.S. degree in Agronomy Crop Science, or a  
related area with experience in plant breeding plus  
demonstrated computer literacy. Preferred experience  
with soybeans; crop simulation.

Closing date: January 18, 1999

**NASA/GSFC**

Visiting Senior Scientist, Ocean, Cryosphere &  
Hydrological Science.

Closing date: February 28, 1999

**NASA/GSFC**

Postdoc, Ocean, Cryosphere, & Hydrological Science.

Closing date: February 28, 1999

**LOUISIANA STATE UNIVERSITY**

Assistant Professor, tenure-track, Dept. of Experimental  
Statistics, Baton Rouge. Ph.D., strong background in  
applied statistics, statistical research and consulting in  
agriculture (genetics, animal science, human ecology,  
etc.).

Closing date: January 15, 1999

**BETHANY COLLEGE**

Assistant Professor of Chemistry, Lindsborg, KS. Ph.D.  
in chemistry and strong commitment to liberal arts  
education are required.

Start date: August 23, 1999

**PIONEER HI-BRED INTERNATIONAL, INC.**

Research and Fleet Interns, Summer and Fall. Positions  
available in the following locations: York, Nebraska;  
Johnston, Iowa; Windfall, Indiana; Champaign, Illinois;  
Eau Claire, Wisconsin. Should be pursuing a degree in a  
field of agriculture or life sciences, preferably Agronomy,  
Mechanized Agriculture, Agricultural Engineering, Seed  
Science, Soil and/or Plant Science, or Pest Management.

MW  
J. J. Egan

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January 11, 1999

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## ANNOUNCEMENTS

Martin Luther King's Birthday observed January 18. Classes excused and University offices closed.

Hazardous Waste Training Reminder--All COAFES faculty, staff, and students are invited to the following session sponsored by the COAFES Health and Safety Committee. (Note the change in date from the tentative date announced last fall.) Wed., January 13, 10:00 to 11:30 a.m., 106 BioAgEng. Topic: Hazardous Waste, Andrew Phelan, Assistant Director, DEHS. The session will cover proper storage and labeling of chemical wastes, proper packing of chemicals, completing of waste manifests, DEHS evaluation of unknown chemicals, and required record keeping.

Agronomy Department Coffees--Mark your calendar!!  
--The Wheat Project will host the Northrup King Department Coffee on Friday, January 15, 9:30 - 10:30 a.m. in 306 Borlaug Hall.  
--The Office Staff will host the Northrup King Department Coffee on Wednesday, February 17, 9:30 - 10:30 a.m., 306 Borlaug Hall.

Barley Project Weddings--Congratulations to Sherri Babb and Ty Rynearson who were married December 19, 1998 at Rosalia, Washington, and to Ben Weers and Brenda Reding who were married November 7, 1998 at St. Joseph, Iowa.

H.K. Hayes Graduate Student Award-- Congratulations to Joann Mudge who was selected for the H.K. Hayes Graduate Student Award. The award is based on scholarship, research competency and leadership.

The "Old Test File" located in Eddy Hall has now been acquired by the Student Board at the St. Paul campus. The Student Board received funding to staff the old test file center to add to their existing test file. The new location of the Old Test File is 197 Coffey Hall, St. Paul Campus. The phone number is 625-6274. Please contact this number for test file hours.

January Freezer and Cooler Cleanup--The freezers and coolers in Room 7 lower level Crops Research, the seed storage cooler in the threshing room and the freezer on 1st floor Borlaug, all need to be checked by the projects and individuals that have materials stored in these areas. It's time to process or discard unneeded materials. Relabel and update the materials that still need to be stored by 1st week of February. On February 1st, Freezer 7D is to be shut down for repairs for 2 or 3 weeks so everything in this freezer needs to be looked at and discarded, or processed or relabeled and moved to Freezer 7C or Freezer 7E. I will start checking samples this week for names, dates, and phone numbers. I will throw all improperly labeled materials from all of the locations listed above. Relabel any materials that still need long-term storage with current year and owner's name. Any questions, call Mike at 4-5395.

Twin Cities Regional Science Fair needs judges to read papers, judge projects, etc., and help with other important needs. Project judging is Friday, March 5, 4:00 p.m., Si Melby Hall at Augsburg College. Paper judging/readings are Tuesday, February 2 at 4:00 p.m., Room 128A Snyder Hall, Univ. of Minnesota, St. Paul campus, and paper judging/orals are Tuesday, February 15, 5:00 p.m., Room 128A Snyder Hall, Univ. of Minnesota, St. Paul campus. Contacts: David Miller or Judy Reynolds-Miller, Co-Directors, TCRSFs, phone (651) 291-8159 or [TCRSF@aol.com](mailto:TCRSF@aol.com).

5th Annual Community Service Fair Reminder--The Campus Involvement Center, in conjunction with other U of MN units, is hosting the 5th Annual Community Service Fair. This fair will be held on both the Minneapolis and St. Paul campuses. The St. Paul Fair will be held on Wednesday, January 13 from 10:00-2:00 p.m. in the Northstar Ballroom. The Minneapolis Fair will be held on the first floor of Coffman Memorial Union on Wednesday, January 20 from 10:00-2:00 p.m. Approximately 60 community service agencies will be represented between the two fairs with volunteer opportunities ranging from centers for run away youth to women's shelters.

Kids' University--The Department of Recreational Sports sponsors Kids' University every summer for students ages 5-15. They are looking for University grad students who might be interested in offering a one-week science-related "class" either July 12-16 or July 19-23 (ages 9-11 or 12-15). The class would be held for three hours in the afternoon (the kids do sports activities in the morning). There would be a small stipend (\$350-375 range). Previous topics that CBS has offered for Kids' University include "There's a Fungus Among-us," "Plants and Insects, Friend or Foe," and "Critters From the Not-So-Deep." If you are interested in offering a class or want more information, please contact Jeana Jacobson at 5-2244 ASAP.

New parking/enforcement program will take effect on the St. Paul campus beginning Tuesday, January 19.

- Meters are enforced 6:00 a.m. to 10:00 p.m., Monday through Saturday. Meters are not enforced on Sundays or official University holidays.
- Contract lots are actively enforced from 6:00 a.m. to 7:00 p.m., Monday through Friday.
- Contract lots remain open after 7:00 p.m., Monday through Friday.
- Due to safety and operational concerns, public parking in pay lots is prohibited between midnight and 6:00 a.m. Overnight parking is available in Lot S104 (Earle Brown Center).
- Pay Lots S106 and S109 will be staffed and open until 10:00 p.m.
- Pay Lots S101, S102, S103, S104 will be staffed and open until 7:30 p.m.
- Disability, vendor, official vehicle and loading zone areas enforced 24-hours a day.
- To eliminate the need to pay for parking twice in any given day, 24-hour commuter student contracts will be offered, on a limited basis, in Lot S108C. The regular surface lot contract rate of \$34.50 per month offers a savings of at least \$15.50 per month. As an added benefit, students can move their car and take advantage of reciprocal parking privileges, available in any contract parking facility on the St. Paul campus, after 4:30 p.m. on week nights and 24 hours on weekends.
- Night contracts will be offered to commuter students at the regular discounted rate of \$23.00 per month; a savings of at least \$27.00 per month. Spaces are available in a variety of locations allowing students to park closer to their destinations in the evening. This option is ideal for any student who is teaching or taking evening courses, working, or going to the library.
- Brochures highlighting student contract parking options are available by calling Parking and Transportation Services at (612) 626-7275.

Michael Fields Agricultural Institute--Advanced Organic-Biodynamic Vegetable Production Workshop, part of Michael Fields Agricultural Institute's professional workshop series, will be held at and co-sponsored by Wilder Forest in Marine on St. Croix, Minn., Feb. 23 to 25, 1999. To register or receive a brochure, contact Gail Kahovic at 414-642-3303.

Michael Fields Agricultural Institute--Take Your Farm to School sessions are "Soil Building with Organic Matter" and "Farm Planning for Sustainable Farming," Jan. 22-24 (Part I) and Feb. 12-14 (Part II) in Viroqua, Wis., and "Cutting Chemicals Without Cutting Profits: The Chem-Lite Approach," March 20-21, at Michael Fields Agricultural Institute in East Troy, Wis. Contact Walter Goldstein at Michael Fields for details, 414-642-3303.

## SEMINARS/DISCUSSIONS

- January 11      Weeds Discussion Group, Kate Plaisance, Scientist, Agronomy and Plant Genetics, "Population Dynamics of *Pseudomonas* in Canada Thistle," 12 noon, 306 Borlaug Hall.
- Plant Molecular Genetics, Eric Neeno-Eckwall, Dr. Janet Schottel's Lab, "Pathogenicity and Biological Control of *Streptomyces scabies*," 12:00 noon, 239 Gortner Lab.
- Plant Breeding, Juan Diaz, Graduate Student, Agronomy and Plant Genetics, "Cloned R-genes: Structure, Evolution and Applications," 3:35 p.m., 306 Borlaug Hall.
- January 12      Entomology, Yves Prevost, Faculty of Forestry, Lakehead Univ., "Dispersal of Spruce Budworm in Cut Forests," 3:15 p.m., 490 Hodson.
- Plant Biological Sciences Colloquium, Dr. Ruth Shaw, Dept. of Ecology, Evolution, and Behavior, Univ. of Minn., "Spontaneous Mutation in *Arabidopsis*," 3:30 p.m., 335 Borlaug Hall.
- January 13      Horticultural Science, Pat Etzel, Len Busch Roses, The Floriculture Industry and the University, 3:30 p.m., 415 Alderman Hall.

Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA) Brown Bag Series, Jan O'Donnell, Exec. Dir. Minn. Food Assoc. Jan will present her findings from her recent trip to Germany as a delegate with the Sustainable Marketing Eurotour organized by Institute for Agriculture and Trade Policy (IATP), 11:00 a.m., room change to 306 Borlaug Hall.

January 14 Biotechnology Seminar, Craig Zupke, Immunex Corporation, Staff Scientist, Seattle, Wash., "Chemometrics in Biotechnology: Calibration of Electronic Cell Counts and Viability Measurements," 3:30 p.m., Eustis Amphitheater D230 Mayo, Mpls. Campus.

January 15 Brown Bag Discussion, A celebration of Dr. Martin Luther King's birthday, "Eyes on the Prize: No Easy Walk," 12 noon, 306 Borlaug Hall.

Biosystems and Agricultural Engineering, Pat Henderson, 1997-98 Endowed Chair in Agricultural Systems, Univ. of Minnesota, "Update on MN Animal Agriculture Generic Environmental Impact Statement (GEIS)," 1:30 p.m., 106 BioAgEng.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### ALBERTA AGRICULTURE, FOOD AND RURAL DEVELOPMENT

Special Crops Agronomist Research Scientist II, Crop Diversification Centre, Brooks. Ph.D. in Plant Science with specialization in agronomy or crop physiology, plus 1-3 years of postgraduate experience in applied research, extension and program planning.

Closing date: January 22, 1999

#### NORTH CAROLINA STATE UNIVERSITY

Extension Associate/Coordinator--Neuse River BMP Demonstration Project, Soil Science Dept., Raleigh. M.S. or Ph.D. in Agronomy, Weed Science, Soil Science, or related discipline, with appropriate training and experience in crop production.

Closing date: January 31, 1999

J.C. ROBINSON SEED COMPANY  
Hybrid Corn Production Research Manager, Waterloo, NE. Ph.D./M.S. in Agronomy with a Crop Production related emphasis preferred (i.e., Plant Breeding, Seed Science, or Crop Science).

J.C. ROBINSON SEED COMPANY  
Assistant Station Manager/Corn Breeder, Nevada, IA. M.S. in Agronomy with emphasis in plant breeding or a B.S. with five years experience at a research station.

KANSAS STATE UNIVERSITY  
Research Assistant, Agronomy Dept., Manhattan. B.S. or M.S. in agronomy, soil science or related field.  
Closing date: February 8, 1999

ST. OLAF COLLEGE  
Assistant Professor Biology, Northfield, MN. Two positions, one-year sabbatical leave replacement. Ph.D. and successful experience teaching undergraduates is required.

Closing date: January 18, 1999

UNIVERSITY OF MINNESOTA  
Junior Scientist (temporary) in John Doebley's laboratory, Plant Biology Department. The project is involved with the identification of genes that control plant morphology in maize. Desired qualifications include experience with PCR, plasmid cloning, southern hybridizations, plant growth. Position available immediately and can continue until August 31, 1999.

UNIVERSITY OF WISCONSIN EXTENSION  
Agriculture Agent (specializing in crops and horticulture), Outagamie County, Appleton, WI. Bachelor's degree required, Master's preferred with at least one degree in a field such as agriculture, agronomy, horticulture, or agriculture/adult education.

Closing date: February 3, 1999

UNIVERSITY OF WISCONSIN EXTENSION  
Agriculture Agent (specializing in dairy and livestock), Sheboygan County, Sheboygan Falls, WI. Master's degree required by start date with academic preparation in related fields of animal science and/or adult education. Experience in agriculture/adult education required.

Closing date: February 3, 1999

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January 19, 1999

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## ANNOUNCEMENTS

Greenhouse Users--I will be gone on Friday, Monday, Tuesday, February 5th, 8th and 9th. All Projects will need to do their own watering. Monday, February 8th is also a clean-up/watering day. Please take the time to dispose of trash and sweep your greenhouses. If the greenhouse staff has to do the cleaning, there is a charge of \$50.00/hr. Thanks for your cooperation!! Pamela Altermatt

Financial Planning Seminar--Plan for the future! It's never too late to start. Mark your calendars for a Financial Planning Seminar for staff: Tuesday, Feb. 2, 9:00 - 11:30 a.m., 306 Borlaug Hall; for faculty: Thursday, Feb. 4, 9:00 - 11:30 a.m., 306 Borlaug Hall. Coffee, juice and treats will be served each day at 8:45 a.m. Barry Melcher from the Employee Benefits Office will be the guest speaker. He will discuss the MSRS system for the staff on Tuesday and the faculty retirement plan on Thursday. Additional topics for everyone will include: Worksheet to calculate savings needed; Income goals; Optional retirement plan (403B); Types of investments (stocks, bonds); Understanding the different types of investment risk; Mutual Funds. Sponsored by the Northrup King Development Committee.

Airport Shuttle--The St. Paul Student Center, in an agreement with Premier Transportation, offers airport shuttle and charter service tickets for sale to University students, staff and faculty. Shuttle reservations must be made at least two to three hours in advance; sedan and van reservations at least four to five hours in advance; and handicap accessible reservations at least one day in advance. Prices for one way are: Shuttle--\$11.50/person; Charter Sedan--\$30/vehicle (3-4 passengers); Charter Van--\$55/vehicle (5-14 passengers). Shuttle pickup sites are the St. Paul Student Center, out front by bus pickup and the Earle Brown Center on the north side circle. Sedan pickup sites are anywhere on the St. Paul or Minneapolis campuses. Van pickups are anywhere in the metro area. Tickets may be purchased at the St. Paul Student Center Post Office (formerly Union Station). For additional information or to make reservations, call 612-625-9794.

## Career Services Update:

- Campus Recruiting--We could use your help in encouraging students to participate in the campus recruiting program for both intern and full-time positions. Employers will be visiting campus during the next six weeks or so to conduct job interviews. To date, few students are signing up for interviews and we have been forced to cancel multiple schedules. Please remind students that this is the time to look for jobs. We've sent messages to students but we really need your help.

- Russia Exchange Program--Again this summer, four COAFES students will be selected to participate in the two week exchange program in Krasnodar, Russia. This has been an incredible learning experience for past participants and we anticipate another outstanding program again this coming summer. Students must apply for consideration by February 15, 1999. Cost to the student is \$500 and students will be required to register for a pre-departure class during spring quarter. Application packets are available at Career Services.

- WWW--Please take a few minutes to visit our WWW site. All jobs received by the office (intern and full-time) plus our Recruiting Calendar are posted on our web site. Students complete our resume form via our web page. We update the site on a daily basis. Our web address is [www.coafes.umn.edu/career](http://www.coafes.umn.edu/career). Our site is password protected and the name to use is gopher and the password is cs4u. We are still working on our site but you'll find our services listed under the Students link. Thank you for referring students to us in the past and we appreciate your continued efforts to encourage students to make use of the Career Services office. Jean Underwood, Director Career Services.

Audio Tapes--The Department has a fine collection of audio tapes available for check out in 302 Hayes Hall, courtesy of the Northrup King Development Committee. Next time you are planning a car trip, check out some of these tapes to help make the time go faster.

January Freezer and Cooler Cleanup Reminder--The freezers and coolers in Room 7 lower level Crops Research, the seed storage cooler in the threshing room and the freezer on 1st floor Borlaug, all need to be checked by the projects and individuals that have materials stored in these areas. It's time to process or discard unneeded materials. Relabel and update the materials that still need to be stored by 1st week of February. On February 1st, Freezer 7D is to be shut down for repairs for 2 or 3 weeks so everything in this freezer needs to be looked at and discarded, or processed or relabeled and moved to Freezer 7C or Freezer 7E. I will start checking samples this week for names, dates, and phone numbers. I will throw all improperly labeled materials from all of the locations listed above. Relabel any materials that still need long-term storage with current year and owner's name. Any questions, call Mike at 4-5395.

Smoke in Hayes Hall--Last week there was a dangerous situation in Hayes Hall that could have been disastrous. A refrigerator motor overheated and started to smoke up the whole building. That was the extent of the damage and no one was hurt, but it seems that there was some confusion as to what procedure should be followed in case of fire. According to Environmental Health, call 911 Fire at the first sign of smoke or flames, and University of Minnesota police. Let the firemen or police handle these situations. Next evacuate the immediate area or building. In a case like Hayes Hall, which is old and does not have fire alarms, somebody needs to check each office or lab for people and they need to evacuate immediately. Do not open any closed door that has smoke coming out or that feels warm, and do not linger around the area. Mike McClellan

### SEMINARS/DISCUSSIONS

January 19 Entomology, Gitanjali Jayachandran, Dept. Entomology, 20-Hydroxyecdysone mediated responses in a mosquito cell culture system," 3:15 p.m., 490 Hodson.

Plant Biological Sciences Colloquium, Tom Horton, Oregon State University, "Below ground views of ectomycorrhizal community structure: peaking into the black box," 3:30 p.m., 335 Borlaug Hall.

January 20 Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA) Brown Bag Series, Kathryn Gilje, Institute for Agriculture and Trade Policy, "Marketing of Sustainable Agriculture: A Focus on Eco- and Social Labeling in the Food System," 11:00 a.m., Room change to 306 Borlaug Hall.

Soil, Water, and Climate, Paul Cameron, Interactive delivery of GIS based Soil Survey Information via the WWW, 2:30 p.m., 375 Borlaug Hall.

Horticultural Science, Bob Fitch, Minnesota Landscape Assoc., The Nursery Industry and the University, 3:30 p.m., 415 Alderman Hall.

January 21 Biotechnology, Dr. Merja Penttila, VTT Biotechnology and Food Research, Finland, "Engineering xylose metabolism of *Saccharomyces Cerevisiae*," 3:30 p.m., 197 McNeal Hall.

January 22 Brown Bag, "Environmental Estrogens? Assault on the Male," video, 12:00 noon, 306 Borlaug Hall.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

THE PENNSYLVANIA STATE UNIVERSITY  
Postgraduate Researcher, Tomato Disease Resistance,  
Dept. of Horticulture, University Park, PA. M.S. or  
Ph.D. degree in plant pathology or related fields.

UNIVERSITY OF MISSOURI/LINCOLN  
UNIVERSITY OUTREACH AND EXTENSION  
Agronomy Specialist, Marion County, Palmyra, MO.  
Master's degree in agronomy.

Closing date: February 12, 1999

UNIVERSITY OF MINNESOTA/WEST CENTRAL  
EXPERIMENT STATION, MORRIS  
Summer Student Plot Laborer, Agronomy and Soils  
Research.

Closing date: March 1, 1999

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January 25, 1999

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## ANNOUNCEMENTS

Watering Growth Chambers--The growth chambers in the Crop Service building will no longer be watered on the weekends and holidays starting January 30. After this time, everyone will be responsible for their own watering. Donn Vellekson

Cloth Bags--There are a number of cloth bags of various sizes and thickness in the Crop Service threshing area by the dumpsters that are free for the taking if anyone wants them.

Pictures--If anyone is missing pictures of various crops, please claim them in 411 Borlaug.

### \*REMINDERS\*

Financial Planning Seminar--Plan for the future! It's never too late to start. Mark your calendars for a Financial Planning Seminar for staff: Tuesday, Feb. 2, 9:00-11:30 a.m., 306 Borlaug Hall; for faculty: Thursday, Feb. 4, 9:00-11:30 a.m., 306 Borlaug Hall. Coffee, juice and treats will be served each day at 8:45 a.m.

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## SEMINARS/DISCUSSIONS

January 25 Weeds Discussion Group, Kirshona Bjork, "The Effect Adjutant and Timing of Application Annual Weed Control, Glyphosate Glufosinate," 12:00 p.m., 306 Borlaug.

Plant Breeding Seminar, Dr. Vernon Ruttan, Dept. of Applied Economics, "The Transition to Agricultural Sustainability," 3:35 p.m., 306 Borlaug.

Plant Molecular Genetics Seminar, Dr. Michael Sadowsky, Dept. Soil, Water, and Climate, "Structure and Function of Atrazine Catabolic Genes for Construction of Atrazine - Degrading Plants," 12:00 p.m., 239 Gerner Lab.

January 26 Plant Biological Sciences Colloquium, Dr. Carroll Vance, Dept. of Agronomy and Plant Genetics, "Proteoid Roots Adaptation for Survival in a Stressful Environment," 3:30 p.m., 335 Borlaug.



January 27

Horticultural Science, Ron Bowen, Prairie Restoration, Inc., "The Prairie Restoration Industry and the University," 3:30 p.m., 415 Alderman.

Soil, Water, and Climate, Douglas Tiffany, Dept. of Applied Economics, "Minnesota Agricultural Use and the Incidence of an Energy Tax," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group 'What's Up in Sustainable Agriculture? (WUSA) Brown Bag Series, A panel of MAST (Minn. Agricultural Student Trainees) from several countries, "Around the World in an Hour: Perspectives on Sustainable Agriculture in Other Countries," 11:00 a.m., 408 Hayes.

January 28

Biotechnology Seminar, Dr. Suresh Pillai, Environmental Microbiology, Texas A&M, "Structural Integrity of Naked RNA Molecules in Groundwater: Biological and Environmental Implications," 3:30 p.m., Eustis Amphitheatre D230 Mayo, Mpls campus.

January 29

Brown Bag, "What Influence Do Corporations Have on Land Grant Research, and Is That Influence a Problem?" 12:00 p.m., 306 Borlaug.

February 1

Weeds Discussion Group, Jean-Luc Jannink, "Index Selection for Weed Suppression Ability," 12:00 p.m., 306 Borlaug.

Plant Breeding Seminar, Dr. Jim Anderson, Dept. of Agronomy and Plant Genetics, "QTL Mapping of Fusarium Head Blight Resistance Genes in Wheat," 3:35 p.m., 306 Borlaug.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

### UNIVERSITY OF MINNESOTA

Positions available in the areas of continuing education, alumni relations, and external communications, College of Architecture and Landscape Architecture. BA degree.

### UNIVERSITY OF NEBRASKA - LINCOLN

Farm Research/Production Coordinator, Dept. of Agronomy, Lincoln, NE. BA in agricultural-related field plus experience, Master's degree preferred.

### PIONEER HI-BRED INTERNATIONAL SCIENTIST

Seed Metabolism Research Scientist, Feed Improvement group, Johnston, IA. Ph.D. degree plus 2 years postdoctoral experience in biological sciences.

### KANSAS STATE UNIVERSITY

Research Associate, Sorghum Breeding/Genetics, Dept. of Agronomy, Manhattan, KS. Ph.D. in quantitative / statistical genetics.

Closing date: February 1, 1999

### CAMERON UNIVERSITY

Chair, Department of Agriculture, Lawton, OK. Ph.D. degree in agricultural area, Associate Professor or Professor.

Closing date: February 15, 1999

### CLEMSON UNIVERSITY

Crop Physiologist, Edisto Research and Education Center, Blackville, SC. Ph.D. degree in Agronomy or closely related field.

Closing date: February 15, 1999

### GOLDEN HARVEST RESEARCH

Internship Opportunities (three and six months), Platteville, WI.

### UNIVERSITY OF MINNESOTA

Postdoctoral Position, Dept. of Agronomy and Plant Genetics. Ph.D. degree.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
February 1, 1999

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*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 resources upon which agriculture depends.*

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## ANNOUNCEMENTS

Take Your Daughters To Work Day--April 22, 1999 marks the University of Minnesota's seventh year of participation in the annual Take Our Daughters To Work Day, a public education program of the Ms. Foundation for Women. Bring daughters, nieces, granddaughters, little sisters, neighborhood girls, or any girl that you know between the ages of 8 and 15 to a welcoming work environment.

Columbia--As you know, the central part of Columbia was destroyed by a powerful earthquake. If you want to help please contact Alvaro Rivera, 4-6724, river013@tc.umn.edu, or make your donations to: CONSULADO DE COLOMBIA - FONDO SOLIDARIDAD TERREMOTO, City Bank Account # 09808034158. Thanks.

### \*REMINDERS\*

Pictures--If anyone is missing pictures of various crops, please claim them in 411 Borlaug.

Financial Planning Seminar--Plan for the future! It's never too late to start. Mark your calendars for a Financial Planning Seminar for staff: Tuesday, Feb. 2, 9:00-11:30 a.m., 306 Borlaug Hall; for faculty: Thursday, Feb. 4, 9:00-11:30 a.m., 306 Borlaug Hall. Coffee, juice and treats will be served each day at 8:45 a.m.

Freezer and Cooler Cleanup Reminder--The freezers and coolers in Room 7 lower level Crops Research, the seed storage cooler in the threshing room and the freezer on the 1st floor Borlaug, all need to be checked by the projects and individuals that have materials stored in these areas. It's time to process or discard unneeded materials. Re-label and update the materials that still need to be stored by the 1st week of February. On February 1, Freezer 7D is

to be shut down for repairs for 2 or 3 weeks so everything in this freezer needs to be looked at and discarded, or processed or re-labeled and moved to Freezer 7C or Freezer 7E. I will start checking samples this week for names, dates, and phone numbers. I will throw all improperly labeled materials from all of the locations listed above. Re-label any materials that still need long-term storage with current year and owner's name. Any questions, call Mike at 4-5395.

Greenhouse Users--I will be gone on Friday, Monday, Tuesday, February 5th, 8th and 9th. All projects will need to do their own watering. Monday, February 8th is also a clean-up/watering day. Please take the time to dispose of trash and sweep your greenhouses. If the greenhouse staff has to do the cleaning, there is a charge of \$50.00/hr. Thanks for your cooperation!! Pamela Altermatt

## SEMINARS/DISCUSSIONS

February 1 Weeds Discussion Group, Jean-Luc Jannink, "Index Selection for Weed Suppression Ability," 12:00 p.m., 306 Borlaug.

Plant Breeding Seminar, Dr. Jim Anderson, Dept. of Agronomy and Plant Genetics, "QTL Mapping of Fusarium Head Blight Resistance Genes in Wheat," 3:35 p.m., 306 Borlaug.

February 2 Plant Biological Sciences Colloquium, Tali Lee, Dept. of Plant Biology, "Physiological and Growth Response of Prairie Species to Elevated CO<sub>2</sub>, Nitrogen, and Plant Diversity," 3:30 p.m., 335 Borlaug.

February 3 Horticulture Winter Quarter Seminars, Wayne Wells, Friday Canning Co., "The Vegetable Processing Industry and the University," 3:30 p.m., 415 Alderman.

Soil, Water, and Climate, Mark Powell, US Dairy Forage Research Center, University of Wisconsin - Madison, "Enriching Dairy Manure and Urine in 15N and Their Use in Nutrient Cycling Studies," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA) Brown Bag, Julie Grossman, Dept. of Agronomy and Plant Genetics, "Cover Crop Use by Campesino Farmers in Honduras, Central America," 11:00 a.m., 408 Hayes.

February 4 Biotechnology Seminar, Dr. Susan Jensen, Biological Sciences, University of Alberta, Edmonton, Alberta, "Regulation of Clavulanic Acid and Clavam Biosynthesis in Streptomyces Clavuligerus," 3:30 p.m., 197 McNeal.

February 8 Plant Breeding Seminar, Dr. R.I. Kahn, Dept. of Agronomy and Plant Genetics, "Expression of a S-rich Protein Gene in Soybean," 3:35 p.m., 306 Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

SOUTH DAKOTA STATE UNIVERSITY  
County Extension Educator - Agronomy, Beadle County (Beadle, Hand, Spink Field Education Unit), Huron, SD. Bachelor's degree in Agriculture, Master's degree preferred.

SOUTH DAKOTA STATE UNIVERSITY  
County Extension Educator - Agronomy, Clark County (Clark, Codington, Deuel, Hamlin, Roberts, Grant Field Education Unit), Clark, SD. Bachelor's degree in Agriculture, Master's degree preferred.

DAIRYLAND RESEARCH INTERNATIONAL  
Research Associate (2 positions available in: soybean breeding program and alfalfa breeding program), Clinton, WI. BS, MS, or Ph.D. will be considered.

ST. OLAF COLLEGE  
Assistant Professor (2 positions) in genetics/developmental biology, Northfield, MN.

THE UNIVERSITY OF MINNESOTA  
Postdoctoral Position, Dept. of Soil, Water, and Climate; and Biological Process Technology Institute, St. Paul, MN. Ph.D. required.

UNIVERSITY OF GUELPH  
Assistant Professor - Cropping Systems Agronomist, Dept. of Plant Agriculture, Guelph, Ontario, Canada. Ph.D. in agronomy or related sciences.  
Closing date: April 15, 1999

MICHIGAN STATE UNIVERSITY  
Assistant Professor - Turfgrass Breeding and Genetics, Dept. of Crop and Soil Sciences, East Lansing, MI. Ph.D. in plant genetics.

UNIVERSITY OF MINNESOTA  
Associate Program Director, Swine Center, St. Paul Campus or West Central Experiment Station, Morris. BA or BS degree required, MS degree desired.  
Closing date: 4:30 p.m. February 26, 1999

UNIVERSITY OF MINNESOTA  
Information Technology Professional (Help Desk Specialist), College of Human Ecology, St Paul Campus. BA/BS degree.

MANKATO STATE UNIVERSITY  
Fixed-term Instructor in Biological Sciences (Soil Ecologist), Mankato, MN. Master's degree required.  
Closing date: March 1, 1999

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
February 8, 1999

11/10  
2/15/99

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## ANNOUNCEMENTS

Department Coffee and Farewell to Neal Martin-- Valentine's Day Theme, Wednesday, February 17, 9:30 a.m., 306 Borlaug Hall. Bagels, muffins, coffee and juice will be served (remember your cup). Sponsored by the Northrup King Development Committee, and the Main Office Staff.

The 1997 Ag Census state and county highlights and profiles are now available on the web: <http://www.nass.usda.gov/census>.

Women in Science and Engineering (WISE) Travel Grant Opportunity--Applications are now available for WISE Travel Grants which work to promote professional development and socialization into science, engineering, and mathematics fields through the participation of women students in professional conferences. Undergraduate and graduate women students enrolled in any science, engineering, or mathematics degree program at any of the four University of Minnesota campuses are eligible to apply. WISE Travel Grants will be limited to a maximum award of \$250 per student. Applications are available at <http://www.indiana.edu/~owa/cicgrnt.html> or by contacting the Office for University Women, [wise@tc.umn.edu](mailto:wise@tc.umn.edu), (612) 625-2385. Applications are due MARCH 1, 1999 and applicants will be notified by APRIL 2, 1999. Applications should be mailed or delivered to the Office for University Women.

New Procedure--Travel arranged by CUFS# through a contracted UofM vendor, i.e., Carlson Travel Network, Corporate Travel, Northwestern Business Travel, Daisy Travel, etc., requires that you turn in a receipt. This is for audit purposes. You can turn in a copy of the itinerary/invoice or the last portion of your ticket labeled receipt following your trip. Again, this is for audit purposes. Your cooperation is appreciated. If you have questions, contact Marilyn or Judy.

The Center for Urban and Regional Affairs (CURA)--invites proposals for our program supporting interactive research between University of Minnesota faculty and the Minnesota community. The purpose of the program is to encourage University faculty to carry out research projects that involve a significant issue of public policy for the state or its communities and include interaction with groups, agencies, or organizations in Minnesota involved with the issue. Three or four projects will be funded for 1999-2000. Each will provide support for two months of the faculty members time in the summer of 1999 and half-time graduate research assistant for the summer of 1999 and the 1999-2000 academic year. Applications must be received in the CURA office by 4:30 p.m., Tuesday, March 30. For more information see Jeanne Davy.

Health and Safety Training--Tractor/PTO Safety, Craig Moody, Assistant Director, DEHS. The session will cover: sage operating procedures for tractors, attachment of implements to tractors, pre-use inspections, and over the road safety. This is a "train the trainer" session for personnel who may be required to train others in tractor/PTO safety. February 17 at 10:00 a.m., 106 BioAgEng.

Chemical Orders & Field Plot Requests--I need this years chemical requests by February 28th, also all field plot requests and fertilizer orders by February 28th. Send your requests either in writing or by e-mail [mccle004@tc.umn.edu](mailto:mccle004@tc.umn.edu). Any questions call Mike at 4-5395

## \*REMINDERS\*

Greenhouse Users--I will be gone on Friday, Monday, Tuesday, February 5th, 8th and 9th. All Projects will need to do their own watering. Monday, February 8th is also a clean up/watering day. Please take the time to dispose of trash and sweep your greenhouses. If the greenhouse staff has to do the cleaning, there is a charge of \$50.00/hr. Thanks for your cooperation!!  
Pamela Altermatt.

Take Our Daughters to Work Day--April 22, 1999 marks the University of Minnesota's seventh year of participation in the annual Take Our Daughters To Work Day, a public education program of the Ms. Foundation for Women. Bring daughters, nieces, granddaughters, little sisters, neighborhood girls, or any girl that you know between the ages of 8 and 15 to a welcoming work environment.

### SEMINARS/DISCUSSIONS

February 8 Plant Breeding Seminar, Dr. R.I. Kahn, Dept. of Agronomy and Plant Genetics, "Expression of a S-rich Protein Gene in Soybean," 3:35 p.m., 306 Borlaug.

Plant Molecular Genetics, Ron Phillips, Professor, Dept. of Agronomy and Plant Genetics, "A radiation hybrid system for the genetic and physical mapping of the corn genome," 12:00 p.m., 239 Gortner Lab.

February 9 Plant Biological Sciences Colloquium, Jeff Bennetzen, Dept. of Biological Sciences, Purdue University, "Comparative Analysis of Grass Genome Structure, Function, and Evolution," 3:30 p.m., 335 Borlaug.

Rescheduled Brown Bag, Deon Stuthman, Professor, Dept. of Agronomy and Plant Genetics, "Plant breeding for sustainable agriculture," 12 noon, 306 Borlaug Hall.

February 10 Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA), Steve Hiniker, undergraduate recipient of the Theodora and Arnold Johnson Internship Fellowship, "Making the Transition from Conventional to Sustainable Agriculture," 11:00 a.m., 306 Borlaug.

George Boody, Land Stewardship Project, "Restoring biodiversity and resilience in farming holistic approaches," 9:00 a.m., 306 Borlaug. Co-sponsored by the Minnesota

Institute for Sustainable Agriculture MISA's Farming Systems Team, the University of Minnesota Extension Service and Visions for Change.

February 11 Biotechnology Seminar, Dr. Camilla Kao, Stanford University, "Genome-wide Expression of *S. Cerevisiae* Using DNA Microarrays," 3:30 p.m., Eustis Amphitheatre D230 Mayo, Mpls Campus.

Thesis Defense, Gerard Engelen-Eigles, Dept. of Agronomy and Plant Genetics, "Maize Endosperm DNA Endoreduplication: High Temperature and Hormone Studies," 1:00 PM, 408 Hayes Hall.

February 12 Brown Bag, Vern Cardwell and Ron Phillips, presidents-elect of the Agronomy and Crop Sciences Societies, respectively, will present information on the societies and how to participate in guiding their future. 12:00 noon, 306 Borlaug.

Biosystems and Agriculture Engineering Seminar, Blanca Martinez, "Medicinal Plants," 1:30 p.m., 106 BioAgEng.

February 15 Plant Breeding Seminar, Dr. Raymond Porter, North Central Research and Outreach Center, "Wild Rice Breeding and Germplasm Improvement," 3:35 p.m., 306 Borlaug.

Weeds Discussion Group, Tom Hoverstad, "Risk Management Approach to Herbicide Evaluation," 12:00 p.m., 306 Borlaug.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

UNIVERSITY OF WISCONSIN-EXTENSION  
Horticulture Educator, Pierce, Polk and St. Croix  
Counties, Master's required, with at least one degree  
in a field such as horticulture or agriculture education.

Closing date: March 3, 1999

#### COLORADO STATE UNIVERSITY

Assistant or Associate Professor specializing in Irrigated Cropping Systems and Precision Agriculture, Dept. of Soil and Crop Sciences, Fort Collins, CO. Ph.D. in agronomy, crop science, soil science, or related discipline required.

#### UNIVERSITY OF ILLINOIS

Postdoctoral Research Associate - Plant Biotechnology, Dept. of Crop Sciences, Urbana-Champaign, IL. Ph.D. degree.

#### TEXAS AGRICULTURAL EXPERIMENT STATION

Assistant or Associate Professor in Plant Physiology and Crop Systems Research, Texas A&M Univ. Agricultural Research and Extension Center, Corpus Cristi, TX. Ph.D. in agronomy, crop physiology or crop science.

#### KANSAS STATE UNIVERSITY

Graduate Research Assistantship - Weed Physiology, Dept. of Agronomy, Manhattan, KS. BS or MS degree in Agronomy, Weed Science, Plant Physiology or related discipline.

#### OHIO STATE UNIVERSITY

Chair and Professor, Dept. of Horticulture and Crop Science, Columbus, OH. Ph.D. in a related field.

Closing date: April 30, 1999

#### UNIVERSITY OF MINNESOTA

Fesler-Lampert Chair in Ecological/Environmental Economics, the Graduate School. Ph.D. or its equivalent required.

#### WASHINGTON STATE UNIVERSITY

O.A. Vogal Ph.D. Fellowships in Wheat Breeding and Genetics (2 available), Dept. of Crop and Soil Sciences. Undergraduate or Master's level students.

#### UNIVERSITY OF MINNESOTA

Post-Doctoral Position, Dept. of Pharmacology, Medical School. Ph.D. in one of the Biological Sciences required.

# Agronomy Gleanings

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February 15, 1999

MW  
9 Ag Hall

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## ANNOUNCEMENTS

Benefit Lunch--for earth quake victims in Colombia. Sunday, February 21, 1999 from 10:00 a.m. to 3:00 p.m. at La Mision del Santo Niño Jesús, 1524 Summit Avenue, St Paul, MN, (651) 698-3408. For tickets, please contact Silvia Peúvela at 5-2232 or Alvaro Rivera at 4-6724.

Workshop--"Getting Started as a Successful Grant-Writer," presented by Dr. Stephen Russell, March 4-5, 1999. Time and place to be determined.

Class Schedules--Spring quarter class schedules will be available at the Bookstores beginning February 17th. Spring quarter queued registration begins February 24th.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday starting this week in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

Department E-mail List--If you would like an updated version of the departmental e-mail list, stop by 411 Borlaug and pick one up from Jean or Aurora.

Forwarding Address--When you move or leave the department, please be sure to leave your forwarding address, phone and e-mail with Jean Swanson or Pat Kessler. Also, faculty when you learn of a new address for an alumni from our department, please give that information to Pat or Jean. Thank you.

Financial Planning Seminar for Civil Service Staff Rescheduled--You have another chance to attend! The first seminar was canceled at the last minute! Mark your calendars for Thursday, March 4, 9:00-11:30 a.m., 306 Borlaug Hall. Coffee, juice and treats will be served at 8:45 a.m. Barry Melcher from the Employee Benefits Office will be the guest

speaker. He will discuss the MSRS system for the staff retirement plan. Additional topics for everyone will include: Worksheet to calculate savings needed; Income goals; Optional retirement plan (403B); Types of investments; Understanding the different types of investment risk; and Mutual funds.

## \*REMINDERS\*

Department Coffee and Farewell to Neal Martin--Valentine's Day Theme, Wednesday, February 17, 9:30 a.m., 306 Borlaug Hall. Bagels, muffins, coffee and juice will be served (remember your cup). Sponsored by the Northrup King Development Committee, and the Main Office Staff.

Health and Safety Training--Tractor/PTO Safety, Craig Moody, Assistant Director, DEHS. The session will cover: safe operating procedures for tractors, attachment of implements to tractors, pre-use inspections, and over the road safety. This is a "train the trainer" session for personnel who may be required to train others in tractor/PTO safety. February 17 at 10:00 a.m., 106 BioAgEng.

Chemical Orders & Field Plot Requests--I need this years chemical requests by February 28th, also all field plot requests and fertilizer orders by February 28th. Send your requests either in writing or by e-mail <mccl004@tc.umn.edu>. Any questions call Mike at 4-5395

## SEMINARS/DISCUSSIONS

February 15 Plant Breeding Seminar, Dr. Raymond Porter, North Central Research and Outreach Center, "Wild Rice Breeding and Germplasm Improvement," 3:35 p.m., 306 Borlaug.

- Weeds Discussion Group, Tom Hoverstad, "Risk Management Approach to Herbicide Evaluation," 12:00 p.m., 306 Borlaug.
- February 16 Plant Biological Sciences Colloquium, Debby Samac, Dept. of Plant Pathology, "Promoters for Constitutive and Tissue-Specific Expression of Transgenes in Alfalfa," 3:30 p.m., 335 Borlaug.
- February 17 Horticultural Science Seminar, Jake Jordon, Jr., Jordan Seeds, and David MacGregor, Fair Haven Farm, "The Fresh Vegetable and Fruit Industries and the University," 3:30 p.m., 415 Alderman.
- Soil, Water, and Climate Seminar, Mike Sadowsky, "Biodegradation of Atrazine: Fundamentals and Applications," 2:30 p.m., 375 Borlaug.
- Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA) Brown Bag Series, "Seeds - One Year and Out?" Where do seed-saving, biotechnology, and sustainability intersect? Can we envision biotechnologies that are promotive of sustainability, or is a genetic patent even better than planned obsolescence? 11:00 a.m., 408 Hayes.
- February 18 Biotechnology Seminar, Dr. John Aunins, Senior Director, Merck, Title: TBA, 3:30 p.m., 197 McNeal.
- February 19 Biosystems and Agricultural Engineering Seminar, Gary Sands, "Drainage Research and Education in Minnesota," 1:30 p.m., 106 BioAgEng.
- Agronomy Brown Bag, Dr. Nick Jordan, "Escape of Pest-Resistance Genes from Transgenic Crops? Relevant Fact and Fancy from Weed Ecology," 12:00 noon, 306 Borlaug.

February 22 Weeds Discussion Group, Jenipher Bisikwa, "Effect of Planting Date, Row Spacing and Competitive Sweet Corn Genotype on Giant Foxtail and Wild Proso Millet Competitiveness," 12:00 noon, 306 Borlaug.

Plant Breeding Seminar, Maggie Adamek, "Visions for Change, Building Awareness of Native Perspectives," 3:35 p.m., 306 Borlaug.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### NATIONAL RESEARCH COUNCIL

Summer Interns working in one of the commissions of the National Research Council or the programs of the NAS, NAE, or Institute of Medicine. Graduate students through post-doctoral candidates.

Closing date: March 1, 1999

#### MICHIGAN STATE UNIVERSITY

Assistant Professor, Turfgrass Breeding and Genetics, Dept. of Crop and Soil Sciences, East Lansing, MI. Ph.D. in plant genetics with experience in plant breeding required.

Closing date: March 15, 1999

#### DANA COLLEGE

Instructor or Assistant Professor, Department of Biology, Blair, NE. Ph.D. required; ABD with completion date in 1999 considered.

#### UNIVERSITY OF ILLINOIS

Assistant Professor of Weed Physiology, Dept. of Crop Sciences, Urbana-Champaign, IL. Ph.D. in weed science, plant physiology, agronomy, or related discipline.

Closing date: April 30, 1999



# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

February 22, 1999

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## ANNOUNCEMENTS

Congratulations--to Jane Grimsbo Jewett and Joe Jewett on the birth of their daughter Selket Rose on February 13, 6lbs and 7oz, 20 in. long.

Spring Quarter Registration--starts February 24 and continues through April 9, 1999. Returning graduate students who have been registered in the Graduate School within the last 12 months should obtain the Class Schedule at one of the campus bookstores or on-line at [www.umn.edu/tc/courses/schedule](http://www.umn.edu/tc/courses/schedule). Those who have not registered in the Graduate School in the last 12 months are no longer considered active students and must seek re-admission. To do so, they must file a Change of Status/Re-admission form, available in 309 Johnston Hall or on-line at [www.gra.umn.edu/forms/list](http://www.gra.umn.edu/forms/list). Applicants for re-admission usually will not be permitted to register until re-admission has been approved.

Grants-In-Aid of Research--Sigma Xi, The Scientific Research Society. This program funds student scientific research grants for specific proposals only. Students must be current graduate or undergraduate students in a degree-seeking program. Fundable budget items (for direct costs of research only) include: travel, lodging, living expenses to conduct research, collect data in the field, or study a museum collection; non-standard lab supplies, small pieces of equipment, supplies, computer hardware, software, etc. These are small subsidy research grants, and students often obtain matching funds from their own departments or institutions, or from another organization. Please utilize the preferred mode of submission at the website address of: [www.sigmaxi.org/giar/guidelines](http://www.sigmaxi.org/giar/guidelines). Deadlines are March 15 and October 15 of each year.

Research Grants--American Society of Plant Taxonomists Research Grants for Graduate Student Proposals must include CV; Proposal (the text of which should not exceed two single-spaced, typed

pages) describing the research to be conducted and emphasizing the role the grant funds would play; Itemized budget; Two letters of recommendation, one of them from the major professor. Applicants must be members of the ASPT at the time of the application deadline: March 1, 1999. Details regarding ASPT membership can be found at the ASPT homepage: [www.csd.tamu.edu/FLORA/aspt/aspthome](http://www.csd.tamu.edu/FLORA/aspt/aspthome). Submit three copies of all items in the proposal (including letters of recommendation) to: Dieter Wilen, Director of Research, Santa Barbara Botanic Garden, 1212 Mission Canyon Road, Santa Barbara, CA 93105.

Resumes and Interviewing--Sigma Delta Epsilon - Graduate Women in Science March meeting: "Marketing You at Your Next Interview." The do's and don't's of resumes and interviewing. Come join us for dinner, networking and some real insight into scientific hiring practices on Wednesday, March 10. There is a social half-hour at 6:00 p.m., dinner at 6:30 p.m., and a speaker at 7:30 p.m. Guests and non-members are welcome. The location is Earle Brown Heritage Center, 6155 Earle Brown Drive, Brooklyn Center, MN. If interested please contact Kelly Befus at 612-422-3330 or [kbefus@hotmail.com](mailto:kbefus@hotmail.com) for presenters, ticket purchasing, directions, menu and other related information.

## \*REMINDERS\*

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Plant Breeding Seminar, Maggie Adamek, "Visions for Change, "Building Awareness of Native Perspectives," 3:35 p.m., 306 Borlaug.

February 23 Plant Biological Sciences Colloquium, Nick Lauter, Dept. of Plant Biology, "The Inheritance and Evolution of Trichome Formation in Teosinte," 3:30 p.m., 335 Borlaug.

February 24 Horticultural Science Seminar, Alston Cutlan, "Evaluation and Selection of Feverfew (Tanacetum Parthenium) Varieties for their Content of the Medicinal Compound Parthenolide," 3:30 p.m., 415 Alderman.

Soil, Water, and Climate Seminar, Joe Mason, Nebraska Geological Survey and University of Nebraska-Lincoln, "Fine Atmospheric Dust

Influence on Soil Development: New Evidence, New Questions, and Implications for Paleopedology," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: 'What's Up in Sustainable Agriculture?' (WUSA) Brown Bag, Rachel Gawson, "The Effect of Phosphorus in Highly Manured Soils on Surface Water Algae," 11:00 a.m., 408 Hayes.

February 25 Biotechnology Seminar, Brian Rush, "Monitoring of an E. Coli Protein Production Process with Flow Cytometry," 3:30 p.m., Eustis Amphitheatre D230, Mpls Campus.

February 26 Biosystems and Agricultural Engineering Seminar, Larry Jacobson and Jerry Wright, Dept. of Biosystems and Agricultural Engineering, "Norway Travelogue," 1:30 p.m., 106 BioAgEng.

Brown Bag, Ana Maria Procopiuk will tell us about agriculture in Argentina.

March 1 Weeds Discussion Group, Roger Becker, "Weed Management in Processing Peas," 12:00 noon, 306 Borlaug.

Plant Breeding Seminar, Sheri Babb, "Agrobacterium-mediated Transfer vs. the Gene Gun: Recent Trends in Applications of Genetic Engineering to Crop Improvement," 3:35 p.m., 306 Borlaug.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### THE MINNEAPOLIS NRP AND THE GREEN INSTITUTE

Community Gardening and Greening Coordinator, The Phillips Environment, Transportation, and Community program.

Closing date: March 5, 1999

**SOUTH DAKOTA STATE UNIVERSITY**

Research Assistant II, Plant Science Department,  
Brookings, SD. Bachelor's degree in an agricultural  
or biological science related field.

Closing date: March 8, 1999

**TEXAS A&M UNIVERSITY**

Assistant or Associate Professor of Crop Stress  
Physiology, the Texas Agricultural Experiment  
Station, Texas A&M University Agricultural  
Research and Extension Center, Amarillo, TX. Ph.D  
in agronomy or crop physiology.

Closing date: May 1, 1999

**PIONEER HI-BRED INTL, INC.**

Research Associate, Plant Molecular Biology,  
Johnston, IA. M.S. degree in biology, plant  
biology/physiology, cell biology or related field, or  
B.S. degree plus 2 years relevant experience.

**UNIVERSITY OF WISCONSIN - EXTENSION**

Agriculture Agent (2 positions available) -  
Specializing in Crops and Horticulture, Outagamie or  
Clark County. Bachelor's degree required, Master's  
preferred.

Closing date: March 17, 1999

**MICHIGAN STATE UNIVERSITY**

Chairperson of the Department of Crop and Soil  
Science, East Lansing, MI. Open to candidates who  
can meet the requirements for tenure at the rank of  
full professor in the Department of Crop and Soil  
Science.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

March 1, 1999

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*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 resources upon which agriculture depends.*

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## ANNOUNCEMENTS

Greenhouse Users--Today is a clean up/watering day. All users please sweep up your greenhouse, discard any trash, dump pots that haven't germinated and remove weeds from pots and bench tops. Thanks for your cooperation.

Arsenic and Drinking Water Conference--Arsenic has been detected in groundwater in about two-thirds of Minnesota. The purpose of this conference is to provide a better understanding of the potential human health risks associated with arsenic in our drinking water supplies. The conference is Wednesday, April 14 from 9:00 a.m. to 2:45 p.m., you must register by April 5, 1999. For more information contact: Water Resources Center at 4-9282 or [renwi001@tc.umn.edu](mailto:renwi001@tc.umn.edu).

Biochip Scanning Demonstration--Genomics, the elucidation of the complete DNA sequence of an organism, is poised to revolutionize biology. Once the sequence of the genome is in hand, the next step is to analyze its structure and patterns of expression, called functional genomics. The most important available technique in functional genomics is microarray analysis, which uses hundreds or thousands of DNA molecules from known genes immobilized on a small chip to determine the overall gene expression in a cell. This technology requires advanced laser scanning capability, and only a few instruments are presently available to carry out the technique. One of the most highly regarded is the ScanArray 300 Biochip Scanner. An introduction to this technology is of interest to scientists from engineers to biologists. There will be two demonstrations of the ScanArray 300 instrument for reading microarrays of DNA on March 10 at 9:30 and 11:30 a.m. in Room 308 Coffman Union. The demonstrations will take about an hour and be presented by Lynn Connery, Sales Representative for General Scanning, Inc. Please notify Ruth Patton at

6-0587 or [acre@cems.umn.edu](mailto:acre@cems.umn.edu) if you plan to attend and if so, which session.

Travel Reimbursement--Employees requesting travel reimbursement will find a "new form" to complete beginning Monday, March 1. Changes and additions to the old form include: sections on group meals/hospitality, prepaid expenses, and recording frequent flyer miles. Refer to the guide sheet in the travel reimbursement request folder or ask Marilyn/Judy for assistance. Beginning April 1st reimbursement for mileage will change from \$.325/mile to \$.31/mile. Reminder for all travelers paying for airfare by CUFS number...be sure to turn in your airfare receipt or itinerary/invoice of trip. This is a new requirement for audit purposes. Your cooperation is appreciated.

Applicant Information Sessions--The University of Minnesota Job Center under the Office of Human Resources is holding information sessions on the job application process for anyone interested in applying for Civil Service/Represented Bargaining Unit positions at the University. These sessions will be held every other Wednesday from 5:15pm to 6:15pm in the Job Center, room 170 Donhowe Building. Sign up is not required. The next session will be held Wednesday, March 3, 1999. The dates and times of the sessions for the remainder of the year are located on the Campus Events Calendar (quick search keyword 'applicant') at <http://events.tc.umn.edu/>. For more information on these sessions, please call the Office of Human Resources at (612) 625-2000 to speak to a representative.

Spring Quarter Registration--starts February 24 and continues through April 9, 1999. Returning graduate students who have been registered in the Graduate School within the last 12 months should obtain the Class Schedule at one of the campus bookstores or on-line at [www.umn.edu/tc/courses/schedule](http://www.umn.edu/tc/courses/schedule). Those who have not registered in the Graduate

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School in the last 12 months are no longer considered active students and must seek re-admission. To do so, they must file a Change of Status/Re-admission form, available in 309 Johnston Hall or on-line at <www.gra.umn.edu/forms/list>. Applicants for re-admission usually will not be permitted to register until re-admission has been approved.

**\*REMINDERS\***

Workshop--"Getting Started as a Successful Grant-Writer," presented by Dr. Stephen Russell, March 4-5, 1999. Time and place to be determined.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday starting this week in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

Financial Planning Seminar--The financial planning seminar for Civil Service Staff has been rescheduled. You have another chance to attend! The first seminar was canceled at the last minute! Mark your calendars for Thursday, March 4, 9:00 - 11:30 a.m., 306 Borlaug Hall. Coffee, juice, and treats will be served at 8:45 a.m. Barry Melcher from the Employee Benefits Office will be the guest speaker. He will discuss the MSRS system for the staff retirement plan. Additional topics for everyone will include: Worksheet to calculate savings needed; Income goals; Optional retirement plan (403B); Types of investments (stocks, bonds); Understanding the different types of investment risk; and mutual funds.

**SEMINARS/DISCUSSIONS**

March 1 Weeds Discussion Group, Roger Becker, "Weed Management in Processing Peas," 12:00 noon, 306 Borlaug.

Plant Breeding Seminar, Sheri Babb, "Agrobacterium-mediated Transfer vs. the Gene Gun: Recent Trends in Applications of Genetic Engineering to Crop Improvement," 3:35 p.m., 306 Borlaug.

March 2 Plant Biological Science Colloquium, Hans Jung, Dept. of Agronomy and Plant Genetics, "Ferulate Cross-linking in Grasses: Chemistry, Impact on Degradability, and Genetic Manipulation," 3:30 p.m., 335 Borlaug.

March 3 Horticultural Science Seminar, Greg Hubbard, Manitou Ridge Golf Club, "The Turf Industry and the University," 3:30 p.m., 415 Alderman.

Soil, Water, and Climate Seminar, Carrie Laboski, "A Research Proposal: Soil Phosphorus Availability and Sorption Capacity After Manure Application," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: 'What's up in Sustainable Agriculture?' (WUSA) Brown Bag, Joel Wainwright, Ph.D student in Geography and MacArthur Scholar, "Lands in Transition: The Political Ecology of Agriculture in Post-Apartheid South Africa and Post-'Socialist' Ethiopia," 11:00 a.m., 408 Hayes.

March 4 Biotechnology Seminar, Ravikanth Samavedan, "Low Cost Production of Elastomeric Polypeptide 'GVCIP260'", 3:30 p.m., 197 McNeal.

March 5 Department of Biosystems and Agricultural Engineering Seminar, Deboo Misra, Dept. of Geological Engineering, Michigan Technological University, "A Comparative Analysis of Wavelet and Tensor Based Upscaling Models for Single-Phase Flow Simulations in Petroleum Reservoirs," 1:30 p.m., 106 BioAgEng.

Harmen van Laar, Wageningen Agricultural University, The Netherlands, "Cell Wall Degradation Characteristics of Minnesota Soybean Varieties," 10:00 a.m., 306 Borlaug.

March 8      Weeds Discussion Group, Jeanie Katovich, "Preferential Feeding of Purple Loosestrife," 12:00 noon, 306 Borlaug.

Plant Breeding Seminar, Dr. Gary Beil, Minnesota Crop Improvement Association, 3:35 p.m., 306 Borlaug.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### USDA

Research Geneticist (Plants), Small Grains & Potato Germplasm Research, Aberdeen, ID. Ph.D. or equivalent doctoral degree in appropriate field required.

Closing date: March 15, 1999

#### USDA

Plant Physiologist, Vegetable and Forage Crops Research Unit, Prosser, WA. Ph.D. or equivalent doctoral degree in the appropriate field.

Closing date: April 5, 1999

#### UNIVERSITY OF MINNESOTA

Assistant Head, Department of Family Social Science, College of Human Ecology. Bachelor's degree required, Master's degree preferred.

#### UNIVERSITY OF GUELPH

Research Associate - 3 year contract, Soybean breeding. Ph.D. or M.Sc. with related experience required in plant breeding and research techniques.

#### UNIVERSITY OF MINNESOTA

Temporary Assistant Scientist, UofM Southwest Research and Outreach Center, Lamberton, MN. B.S. in agronomy or closely related field and one year research experience is required.

Closing date: April 16, 1999

#### THE UNIVERSITY OF MINNESOTA

Assistant to the Head, Dept. of Family Social Sciences, College of Human Ecology. Bachelor's degree required, Master's preferred.

#### KANSAS STATE UNIVERSITY

Graduate Research Assistant, Dept. of Agronomy, Manhattan, KS. B.S. or M.S. in range science, weed science, forages, or related discipline.

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# Agronomy Gleanings

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March 8, 1999

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## ANNOUNCEMENTS

Growth Chamber Users—We have decided to reinstate weekend/holiday watering of the growth chambers in the Crop Service Building. To pay for this service, there will be a \$10.00/month surcharge on all the chambers whether watering is done or not. Please leave watering instructions on the eraser board that has all of the chambers listed. Donn Vellekson

Women in Agricultural Science—Informal Brown Bag Discussion, Monday, March 8 at noon in 491 Borlaug Hall. Caitilyn Allen is a professor at UW-Madison who holds a 50% appointment in Plant Pathology and a 50% appointment in Women's Studies. She has been a faculty advisor for a residential program (dormitory) for undergrad women in science and has some really neat information on how this has helped retention and performance. Plus she teaches a course on women and science. This should be a very interesting discussion. So bring your lunch and join us!

## \*REMINDERS\*

Arsenic and Drinking Water Conference—Arsenic has been detected in groundwater in about two-thirds of Minnesota. The purpose of this conference is to provide a better understanding of the potential human health risks associated with arsenic in our drinking water supplies. The conference is Wednesday, April 14 from 9:00 a.m. to 2:45 p.m., you must register by April 5, 1999. For more information contact: Water Resources Center at 4-9282 or renwi001@tc.umn.edu.

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## SEMINARS/DISCUSSIONS

March 8 Weeds Discussion Group, Jeanie Katovich, "Preferential Feeding of Purple Loosestrife," 12:00 noon, 306 Borlaug.

Plant Breeding Seminar, Dr. Gary Beil, Minnesota Crop Improvement Association, "Plant Variety Protection: Issues and Updates," 3:35 p.m., 306 Borlaug.

Plant Molecular Genetics Seminar, Clara Pritsch, Dept. of Agronomy and Plant Genetics, "Fusarium Graminearum Infection of Wheat Spikes: Early Events," 12:00 noon, 239 Gortner Lab.

March 9

Plant Biological Science Colloquium, Toby Bradshaw, University of Washington, "The Birds and Bees of Speciation in Monkey Flowers," 3:30 p.m., 335 Borlaug.

March 10

Horticultural Science Seminar, The Kermit Olson Lecture, speaker to be announced, 3:30 p.m., 415 Alderman.

Soil, Water, and Climate Seminar, Tony Nugteren, "Potential Profitability for Precision Agriculture: A Case Study in Progress," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: 'What's up in Sustainable Agriculture?' (WUSA) Brown Bag, Robert Herling, University of Minnesota, Internship Presentation, 11:00 a.m., 306 Borlaug.

Department of Biosystems and Agricultural Engineering Seminar, Senior Design Final Presentations, 1:30 p.m., 106 BioAgEng.

March 11

Biotechnology Seminar, Dr. Teresa Gaasterland, Asst. Professor and Head, Laboratory for Computational Genomics, Rockefeller Univ., "MAGPIE: Automated Microbial Genome Analysis and Annotation," 3:30 p.m., BSBE 2-101.

March 15

Weeds Discussion Group, Jeff Gunsolus, "The Development of an Interactive CD-ROM on Herbicide Mode of Action," 12:00 noon, 306 Borlaug.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**  
Assistant Scientist, Dept. of agronomy, KSU Southwest Research and Extension Center, Tribune, KS. B.S. preferred in agronomy, agricultural engineering, or related field.  
Closing date: March 22, 1999

**UNIVERSITY OF WISCONSIN**  
Agriculture Agent, UofW Extension, Adams County, Master's degree in agriculture or agriculture education field.  
Closing date: March 31, 1999

**UNIVERSITY OF ILLINOIS**  
Assistant/Associate Professor of Nematology, Dept. of Crop Sciences. Ph.D. in plant pathology, entomology, or related discipline.  
Closing date: May 14, 1999

**UNIVERSITY OF ILLINOIS**  
Assistant Professor of Maize Functional Genomics/Genetics, Dept. of Crop Sciences. Ph.D. in a relevant area of life or plant sciences.  
Closing date: April 15, 1999

**UNIVERSITY OF NEBRASKA**  
Soil Chemist/Biochemistry, Institute of Agriculture and Natural Resources, Lincoln, NE. Ph.D. in soil science, agronomy, or related discipline.  
Closing date: May 14, 1999

**UNIVERSITY OF MINNESOTA**  
Assistant Professor, commodity and structural arthropod pest management, Dept. of Entomology. Ph.D. or equivalent doctorate in entomology or related field.  
Closing date: May 17, 1999



MW  
B. Ag. Sci.

# Agronomy Gleanings

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March 15, 1999

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## ANNOUNCEMENTS

Best regards to all my old friends at the University of Minnesota, Carlos Raupp.

Benefit Concert of Classical Music--Join us and enjoy the music, the choir and support the recovery of the people and places hit by the earthquake in Colombia. The concert is Sunday, March 21st at 4:00 p.m. in the St. Paul's On-the-Hill Episcopal Church located at 1524 Summit Ave. Tickets and/or suggested donations are \$5.00. For more information or tickets please contact Alvaro Rivera (4-6724) or Silvia Peivela (5-2232). Tickets are also available in 411 Borlaug.

Journey to the Planet Earth--The delicate relationship between people and the world they inhabit is explored in a new three-part documentary miniseries, Journey to the Planet Earth, a three part mini-series premiering Tuesday, April 6, 10:00-11:00 p.m. ET on PBS (check local listings). Narrated by Kelly McGillis, Journey to the Planet Earth provides a perspective for viewers to understand the complexities underlying ecological issues. Each episode looks at a specific problem from the scientific, economic, political and the impact people have made on the planet ecosystem. Rivers of Destiny (April 6) looks at the dangers (pollution, over fishing, loss of wetlands) threatening four of the world's major river systems the Mississippi, the Amazon, the Jordan and the Mekong. The Urban Explosion (April 13 at 10:00 p.m. ET) examines the problems confronting four of the world's mega-cities New York City, Mexico City, Istanbul and Shanghai. Providing citizens with clean drinking water, waste disposal, food and shelter are constant challenges. Land of Plenty, Land of Want (April 20 at 10:00 p.m. ET) visits diverse farming communities in Zimbabwe, France, the United States (Iowa and Pennsylvania) and China to examine the worldwide problems of feeding a growing population.

Free Educational Materials developed in conjunction with National 4-H, combines video excerpts from the Land of Plenty, Land of Want program with hands-on activities. Designed to be used in 4-H, Boys and Girls Club, FFA or similar programs, this video and print package teaches middle-school-aged youngsters about different kinds of soil and how to determine the makeup of soil (is it clayey, loamy, silty, etc.). The video segments and print component are being made available to PBS stations nationwide. Both can be duplicated and the segments used in perpetuity. The print piece also can be used with the complete Land of Plenty, Land of Want program. A second educational package designed for middle school teachers is also available. It consists of a teacher's guide and video segments excerpted from each program. The teacher's guide is made up of three lessons based on concepts covered in the programs. The specially-selected video segments and teacher's guide are being made available to all PBS stations, too. The video segments and the teacher's guide may be duplicated and used in perpetuity. The teacher's guide can be used also with the full 60-minute programs, which carry the standard PBS one-year off-air record rights. Visit the website ([www.pbs.org/teachersource/planetearth](http://www.pbs.org/teachersource/planetearth)) beginning in mid-February. For more information on the series and free educational materials, or to order educational materials if they aren't available from your PBS station, contact: Michele Reap, South Carolina Educational Television, 803/737-3394 or e-mail: [mreap@scetv.org](mailto:mreap@scetv.org)

March Coffee--The Oat/Oat Genetics projects will be hosting the March coffee set for Wednesday, March 17th, 9:30 a.m., 306 Borlaug. Please mark your calendars and plan on enjoying bagels and oatmeal cookies on St. Patty's day. Please remember to bring a coffee mug along.

Shape-Up Challenge--The Agronomy & Plant Genetics Shape-Up Challenge to begin April 5th. Join your co-workers for the March 17th coffee and organize your team for the spring Shape-Up Challenge. Jim Halgerson, Lynne Medgaarden, Kathleen Storey, and Marilyn Swanson will be there to answer questions and distribute information.

**\*REMINDERS\***

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday starting this week in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

**SEMINARS/DISCUSSIONS**

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Department of Biosystems and Agricultural Engineering Seminar, Senior Design Final Presentations, 1:30 p.m., 106 BioAgEng.

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**POSITIONS AVAILABLE**

(Positions in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MINNESOTA**

Research Assistant, Center for Urban and Regional Affairs, First Call for Help Information Database, Temporary/Part-time position from March 15-June 13, 1999. Must be UofMN graduate student.

**UNIVERSITY OF ARIZONA**

Assistant/Associate Specialist, Vegetable Crops, Dept. of Plant Sciences, Yuma, AZ. Ph.D. in horticulture, crop sciences or closely related field.

**ALABAMA COOPERATIVE EXTENSION**

County Extension Agent, Baldwin County, Bay Minnette, AL. Bachelor's degree in agriculture or a related field required, Master's preferred.

Closing date: March 26, 1999

**DANA COLLEGE**

Assistant Professor (2 positions available), Dept. of Biology, Blair, NE. Ph.D. required, demonstrated ability to teach Biological Principles, Human Anatomy, Human Physiology, Evolution, and other courses depending on background.

**OREGON STATE UNIVERSITY**

Faculty Research Assistant/Associate, Crop Science, Corvallis, OR. BS in crop science or equivalent required.

**NITRAL URBANA LABORATORIOS**

Sales staff position with a soybean inoculant company, Curitiba, Brazil. Knowledge of legumes, applicants should be Brazilian with English proficiency.

# Agronomy Gleanings

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March 22, 1999

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## ANNOUNCEMENTS

University Holiday—Friday, March 26. Floating holiday. University offices closed.

Reservations and Transportation for Pesticide Applicator Test—I will be transporting staff and students to the Dept. of Agriculture in St. Paul to take the Pesticide Applicator's Test. Reservations will be made to take the exam Thursday, April 8, 1999 at 1:00 PM. We will leave campus at 12:20 PM that day. Those interested in obtaining a pesticide applicators license and want a reservation to take the exam for this date contact Doug Swanson at 4-7729 before Friday, March 26.

Soup Lunch is coming! Mark your calendars for April 1<sup>st</sup> at 11:45-1:00 p.m. in 306 Borlaug Hall. You still have time to volunteer to bring a soup. Questions, contact Dana (5-6794) or Ana Maria (5-4255). We hope to see all of you there. The Agronomy Grad Club.

Housing request—Hakima BAHRI will be here this summer and needs an apartment or house to rent or sublet for her and her husband and two children (ages 6 1/2 and 3 1/2) for the months of July, August, and September. She would like something close to the campus, if possible. Any help would be appreciated. Responses may be left at the Agronomy Main Office (612-625-7773). Thank you.

Notice: To all Civil Service Staff—Civil Service meeting on March 31, 1999 at 9:00 a.m. in 408 Hayes. Agenda: Election of Liaison Committee members to replace Kate Plaisance and Kathleen Storey who will have completed their terms on July 1, 1999. Please contact one of the Liaison Committee members (Kate, Kathleen, Dave Plank, or Shane Heinen) if you have topics you would like on the agenda for this meeting.

Books for Africa—A 'Best Buy' in Giving. When you make a contribution to Books for Africa, you can be confident that your generosity will have a dramatic impact on the lives of thousands of children. For every \$25 you give, Books for Africa sends \$2000 worth of quality used textbooks to Africa to be read by children. These are books that might otherwise end up in landfills - books that bring hope, knowledge, and inspiration to students who have an intense yearning for the kind of nourishment only books can provide.

Books for Africa is a nonprofit organization founded in 1989. Since then, nearly two million books have been shipped to Africa. Those books have been eagerly read by more than 50 million children. With your help, Books For Africa will continue to battle Africa's critical book famine.

This spring quarter, the Phytograds will continue collecting used books and journals. Drop off boxes are available in 220 BioSciences and 100 Ecology. Thanks to Doug McBain, additional boxes are at the St. Paul Books Underground Bookstore. Feel free to tell your classmates and friends about this drive and contribute to a worthy cause.

Send your tax-deductible contributions directly to: Books for Africa, 5233 Silver Maple Circle, Minneapolis, MN 55343 USA.

This drive is sponsored by the Plant Biological Sciences Phytograds.

11th Annual Food Focus—"A Proactive Approach to Safety in Grain-Based Foods," organized by AACC's northwest section. April 22, 1999 from 7:30 a.m. to 3:45 p.m. at the Holiday Inn West, 9970 Wayzata Blvd, Minneapolis. For a registration form, further information, and itinerary please stop by 411 Borlaug or check out the posting board.

Pre-retirement Seminars—for Civil Service and Bargaining Unit employees are scheduled for Monday, April 5, in 210 Donhowe. You may choose either the 2-4 p.m. or 5-7 p.m. sessions. To register, please call Employee Benefits at 624-9090, press option 1.

Grant-in-Aid Program—The deadline for the 1999-2000 Grant-in-Aid Program administered by the Office of the Vice President for Research and Dean of the Graduate School has been extended to April 5, 1999. For additional information and grant forms, see Jeanne Davy.

Open House for Kathy Fennelly, Wednesday, March 31, 1999, 2:00-4:00 p.m., Atrium, Vocational and Technical Education Building, 1954 Buford Avenue, St. Paul. Please take this opportunity to thank Kathy for her contributions and achievements as Dean and Director of the University of Minnesota Extension Service, and to wish her well in her new research/teaching position with the Humphrey Institute of Public Affairs.

Contract For Professional Services Process Cited by Auditors—The recent internal audit of the University's purchasing function contained the following recommendation related to Contracts for Professional Services (CFPS). This recommendation is an action item for University departments. **Obtain all signatures before work begins:** This recommendation is rated "Essential". This means that we must make a change. A common practice is for departments to allow work to begin before a contract is approved by all parties. This practice puts the University at risk for legal action and service problems. Without a signed agreement, the University has no enforcing document, no remedies for poor performance, no payment agreement, no risk management, or any of the other protections offered by the terms and conditions listed on the CFPS. Currently, Purchasing sends reminders to departments when it is obvious that the work has begun prior to obtaining all approvals. We hope we do not have to escalate this procedure to the level of a penalty. That is why we are asking each department to take this audit finding seriously, and make sure that contracts are completely executed and authorized before the contractor begins any work. If you have questions, contact Judy Slyter (5-0276).

"Arsenic and Drinking Water—The Human Health Effects," Conference, Wednesday, April 14, 1999, 9:00 a.m. to 2:45 p.m., Edson Auditorium in the Student Center, University of Minnesota at Morris. Register by April 5, 1999. For further information and to register contact the Water Resources Center (612) 624-9282. Sponsored by the University of Minnesota Extension Service and the University of Minnesota Water Resources Center.

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#### SEMINARS/DISCUSSIONS

March 29 Dr. Niels Roling, Dept. of Communication and Innovation Studies, Wageningen Agricultural University (Netherlands), "'Soft' Implications of a New Societal Contract for Agriculture," 9:00-10:00 a.m., 306 Borlaug Hall.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

### USDA

Biological Science Technician (Plants), ARS, South Atlantic Area, Sugarcane Production Research, Canal Point, Florida. Bachelor's required.

Closing date: March 29, 1999

### SOUTH DAKOTA STATE UNIVERSITY

County Extension Educator - Agronomy, Lake County, Madison, South Dakota. Bachelor's degree in agriculture required.

Closing date: April 2, 1999

### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent (specializing in Grains & Vegetable Crops), Langlade County, WI.

Closing date: April 14, 1999

### COLORADO STATE UNIVERSITY

Director/Seed Analyst for the Colorado Seed Laboratory, Instructor, Department of Soil & Crop Sciences, Fort Collins, CO. Ph.D. preferred, M.S. required with emphasis on seed physiology, seed technology or related science.

### NORTH DAKOTA STATE UNIVERSITY

Corn Breeding/Genetics, Dept. of Plant Sciences, Fargo, ND. Ph.D. in plant sciences emphasizing plant breeding, molecular and quantitative genetics.

Closing date: April 22, 1999

### UNIVERSITY OF NEBRASKA

Head/Chairperson in Fertilizer and Chemical Application Equipment and Management within the Agriculture Production Systems Division, Nebraska College of Technical Agriculture, Curtis, NE. Master's degree required.

Closing date: June 1, 1999

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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
March 29, 1999

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

The annual St. Paul Campus Retirement Recognition Luncheon will be held at noon in the North Star Ballroom, Tuesday, May 18, 1999. Cost of the tickets for those wishing to attend is \$6.00. These tickets may be purchased in Room 42 of the Student Center, beginning Monday, April 5. Ticket sales will end April 30, 1999.

Greenhouse Users--Next Monday is a clean-up/watering day. All greenhouse tools should be returned to the headhouse. ALL greenhouses should be swept and any garbage should be discarded. If you have any questions, please call. Thanks for your cooperation!! Pamela Altermatt (5-3153).

Shape-Up Challenge--A reminder to get your teams set up and to send their names and the team name to Jim Halgerson (halge001@tc.umn.edu). Send your points to Jim also. All participants will get a soup mug this year besides weekly and team prizes.

The 1999-2000 Minneapolis White and Yellow Pages and the 1998-1999 St. Paul White and Yellow Pages will be delivered Tuesday, April 20, 1999, to 411 Borlaug Hall. It is very important that departmental personnel place old phone books in that location by 8:00 a.m. of the date listed above since this is the only date for delivery. The number of new books delivered will be based on the number of old books set out for recycling on a one to one exchange. The 1999-2000 St. Paul phone books will be delivered in Fall 1999.

## \*REMINDERS\*

The Soup Lunch will be held on Thursday, April 1<sup>st</sup> at 11:45 a.m. to 1:00 p.m. in 306 Borlaug Hall. You still have time to volunteer to bring your favorite soup. If you have questions, please contact Dana (5-6794) or Ana Maria (5-4255). We hope to see all of you there. The Agronomy Graduate Club.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday in 302 Borlaug Hall. Pizza is \$1.50 per slice and soda is \$.50 per can.

## SEMINARS

March 29 Agronomy--Dr. Niels Roling, Dept. of Communication and Innovation Studies, Wageningen Agric. Univ., Netherlands, "'Soft' implications of a new societal contract for agriculture," 10:00 a.m., 306 Borlaug Hall (note 10:00 a.m. for this presentation only).

March 30 Plant Biological Sciences--Dr. Robert Cotter, Johns Hopkins Univ., "Mass spectrometric DNA sequencing," 3:30 p.m., 335 Borlaug Hall.

April 1 ISEES--John Archer, Dept. of Cultural Studies and Comparative Literature, Univ. of Minnesota, "Historical dimensions of sustainability: examining Calcutta 1790-1850," 4:00-5:00 p.m., 445 Blegen Hall, West Bank.

April 5 Agronomy--Elizabeth Dyck, Asst. Prof., Southwest State Univ., Marshall, Minn., "The need for research in organic farming systems," 3:30 p.m., 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**NORTH DAKOTA STATE UNIVERSITY**  
Assistant Professor, Dept. of Soil Science, Fargo. Ph.D.  
in soil physics or closely related field.  
Closing date: September 1, 1999

**UNIVERSITY OF WISCONSIN EXTENSION**  
Urban Gardening Coordinator, Brown, Fond Du Lac,  
Outagamie and Winnebago counties. Located in either  
Oshkosh or Green Bay. Bachelor's degree required,  
prefer degree in a field that relates to the responsibilities  
of this position.  
Closing date: April 21, 1999

**UNIVERSITY OF MINNESOTA**  
Graduate Research Assistant in the Minnesota Center for  
Survey Research (MCSR) which specializes in telephone  
and mail surveys for improving public policy in  
Minnesota.  
Closing date: April 9, 1999 at 4:30 p.m.

**UNIVERSITY OF MINNESOTA**  
Undergraduate Honors Program Coordinator, College of  
Human Ecology, Student Services, St. Paul campus.  
Bachelor's degree required.  
Closing date: April 23, 1999

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# Agronomy Gleanings

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April 5, 1999

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## ANNOUNCEMENTS

Caravan 2273--will be parked by the small grain greenhouses starting April 5, along with the blue pickup 3660.

Free wood and woodchips--They are located over by the area that was just cut down, north of the Plant Pathology fieldhouse east of Cleveland.

Do you like Latin American music?--If so, go to the St. Thomas University O'Shaughnessy Education Center (OEC) on April 10th from 6 to 8 p.m. Enjoy the music and dances from Colombia, Mexico, Ecuador, Argentina and Paraguay, while helping victims of Colombia's earthquake. Purchase tickets in advance for \$5 by contacting Alvaro Rivera 4-6724 or Silvia Pennuela 5-2232.

Lab Fest '99--University Stores is sponsoring a two-day scientific product show, featuring scientific vendors, University-wide contract vendors, and University department with lab support services. Product development and technical seminars will be running at 11:00 a.m. and 12:30 p.m. The 11:00 seminar topic will be "The Separation of DNA, RNA, and Proteins using Electrophoretic Methods: A Hands-On Demonstration of Electrophoresis Equipment." This seminar will be presented by Owl Separation Systems. April 14, at the Radisson Hotel Metrodome on the Minneapolis Campus and April 15, at the North Star Ballroom on the St. Paul Campus, from 10:00 a.m. to 3:00 p.m. each day with lunch from 11:30 a.m. to 1:00 p.m.

Project Review Seminars--Please mark your calendars for the following Project Review Seminars: Steve Simmons and Jochum Wiersma on Tuesday, May 11, 12:00-1:30 p.m. (45 min. each) in 306 Borlaug; and Elizabeth Dyck on Thursday, May 13, 12:00-1:00 p.m. in 306 Borlaug.

COAFES Health and Training Sessions--The final two sessions for this year are scheduled in April. Note, the change in dates from previously announced times. Everyone is invited to attend. Check this website for more information - <http://www.coafes.umn.edu/safety/>.

Wednesday April 7, 10:00 a.m. to noon, Agricultural Chemical Storage Building (AgChemSto), 1552 Lindig. Worker Protection Standard (field plot focus)--Roger Meissner, Exec. Asst., Horticulture. The session will cover working in areas that have been treated with pesticides with a special emphasis on field plots. Employees who actually apply pesticides must be licensed and trained by the Minnesota Department of Agriculture.

Wednesday April 28, 10:30 a.m. to noon, 125 ABLMS (This is a repeat of an Oct. 14, 1998 session for employees who are new or who couldn't attend previously.) Chemical Hygiene Plan/Lab Safety--Dawn Errede, Chemical Hygiene Officer, DEHS. The session will cover the OSHA Laboratory Safety Standard, location and contents of a Chemical Hygiene Plan; recognition of signs and symptoms associated with exposure to chemicals in the laboratory, and methods of preventing exposure. This training does not cover specific hazards and methods to prevent chemical exposure in each laboratory, which is the responsibility of the principal investigator.

## \*REMINDERS\*

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday starting this week in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.



Housing request--Hakima BAHRI will be here this summer and needs an apartment or house to rent or sublet for her and her husband and two children (ages 6 1/2 and 3 1/2) for the months of July, August, and September. She would like something close to the campus, if possible. Any help would be appreciated. Responses may be left at the Agronomy Main Office (612-625-7773). Thank you.

11th Annual Food Focus-- "A Proactive Approach to Safety in Grain-Based Foods," organized by AACC's northwest section. April 22, 1999 from 7:30 a.m. to 3:45 p.m. at the Holiday Inn West, 9970 Wayzata Blvd, Minneapolis. For a registration form, further information, and itinerary please stop by 411 Borlaug or check out the posting board.

Pre-retirement Seminars--for Civil Service and Bargaining Unit employees are scheduled for Monday, April 5, in 210 Donhowe. You may choose either the 2-4 p.m. or 5-7 p.m. sessions. To register, please call Employee Benefits at 624-9090, press option 1.

#### SEMINARS/DISCUSSIONS

April 5      Agronomy Seminar, Elizabeth Dyck, "The Need for Research in Organic Farming Systems," 3:30 p.m., 306 Borlaug.

April 6      Ph.D. Thesis Defense, Flavio Capettini, "Inheritance of FHB in Barley," 1:00 p.m., 408 Hayes.

Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Dr. Chris Somerville, "Arabidopsis Genetics as a Tool for Understanding the Origin of Chemical Diversity in Plants," 3:30 p.m., 335 Borlaug.

Entomology Seminar, Rob Venette, "Detection of Insect Resistance to *Bacillus Thuringiensis* in Transgenic Crops," 3:00 p.m., 490 Hodson.

April 12     Agronomy Seminar, Khrisona Bjork, "Transgene Escape from Crops to Weedy Relatives," 3:30 p.m., 306 Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

NORTH DAKOTA STATE UNIVERSITY  
Associate Dean for Academic Programs, College of Agriculture, Fargo, ND. Doctorate degree required.  
Closing date: May 14, 1999

NORTH CAROLINA STATE UNIVERSITY  
Head of Crop Science Department, College of Agriculture and Life Sciences, Raleigh, NC. Ph.D. in agronomy or closely related discipline required.  
Closing date: May 10, 1999

UNIVERSITY OF NEW HAMPSHIRE  
Extension Specialist, Vegetable Crops, Department of Plant Biology, Durham, NH. Ph.D. in horticulture or related field with specialization in vegetable crop production required.

UNIVERSITY OF NEBRASKA  
Lecturer in Distance Education, Department of Agronomy, Lincoln, NE. M.S. or Ph.D. degree in crop science, agronomy, or related field required.  
Closing date: June 15, 1999

UNIVERSITY OF CALIFORNIA  
Farm Advisor - Viticulture, Cooperative Extension, Fresno, CA. Masters degree in biological or agricultural science required.  
Closing date: May 14, 1999

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April 12, 1999

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## ANNOUNCEMENTS

A note from Walt Wedin to the Department: From MN to Oregon State University --- About a year ago, Dave Hannaway, forage teacher /extension specialist/ researcher asked me if I might be interested in coming out and filling in for his teaching, as he was hoping to get away on a Sabbatical. Well, it developed, although I wondered about it sometimes. Dave and family are in France, and Carol and I are here. I am on 0.5 time, so the effort is to not work 100% or more -- which is always tempting in an academic atmosphere. I am teaching his Forages class, and helping on projects which he has going. It seems he has not let up on his e-mailing and working toward lining up new support, as the e-mails really go back and forth to France.

Technology abounds here for the teaching, and for the projects. Facilities on the Campus are fantastic, and Carol has found that the three classes she is sitting in on are very well conducted. She is enjoying them very much (Chinese Culture, Japanese Culture, Philosophy and Religion). Re-capping the trip out here, we left on March 5, and luckily avoided snowstorms, etc. all of the way out. There were some narrow misses. We spent two days in Lincoln, NE and had interesting and relaxing days at two Monastery Retreats, resulting from Carol's abilities to find them. One is near Snowmass, CO and the other in Huntsville, UT -- wonderful and relaxing breaks for us. We had other nights at Comfort and Sleep Inns. In the Cascades, we drove through on Highway 20 which had at that time snow banks (like 10 - 12 feet) on the side of the road. They had 190 or more inches of snow this year, about 40 inches above normal. I expect there are still big banks there, as there have been days when snowing in the mountains is still underway.

Here in Corvallis, and in Albany 12 miles north where we are living in the Hannaway house, we are really experiencing spring. There are so many beautiful shrubs and trees, and flowers, which in spite of wetness, are blooming. We have had

numerous rainy days and cool weather, so everything is very fresh. We have had two separate day trips on Saturdays to the Coast -- beautiful and exciting.

COAFES Awards--The COAFES Awards Committee is again soliciting nominations for the CSBU and P&A awards. The CSBU award is to recognize an extraordinary contribution of two members of the Civil Service and Bargaining Unit Staff: one for academic related duties and the other for scientific work. The P&A award is to recognize the excellent performance of a member of the Professional and Academic staff. We hope you will nominate someone from your unit whose service to the College of the University has been exemplary. Nominations should be sent to Jean Kucera, 277 Coffey Hall, by May 7, 1999. For a description of the criteria and procedures for the award see Jeanne Davy.

Civil Service/AFSCME Representatives Needed--to serve on the 1999-2000 College of Agricultural, Food, and Environmental Sciences Committees. Take this opportunity to express your ideas, work with faculty and administrators, and make an important contribution to the college. Curriculum Committee (1 representative needed), Faculty/Staff Recognition & Award Committee (1 representative needed), Faculty Development Committee (1 representative needed), and Scholastic Affairs Committee (1 representative needed). If interested see Jeanne Davy for further information.

Student Representatives Needed--to serve on the 1999-2000 College of Agricultural, Food, and Environmental Sciences Committees. Take this opportunity to express your ideas, work with faculty and make an important contribution to the college. Curriculum Committee (2 students needed), Faculty Development Committee (2 students needed), Career Services Advisory Committee (2 students needed), Prospective Students Services Advisory Committee (3 students needed), Scholastic Affairs Committee (2 students needed), and Student Academic Grievance

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Committee (2 students needed). If interested please see Jeanne Davy for further information.

Public Television Series--James Van Der Pol has been named a Senior Fellow in the School of Agriculture Endowed Chair in Agricultural Systems at the University of Minnesota. With this appointment, the Chair program will expand the work previous Fellows have done to address issues concerning the swine industry in Minnesota. His first communications project in the Chair is producing the public television series "Pigs, Pork, and Prosperity." Consisting of three live call-in "town meetings," the series will feature round-table discussions of low-cost production techniques, as well as expanding opportunities for direct marketing of pork products. Producers and processors will participate, and Tom Rothman of the Minnesota News Network will facilitate the discussions. These shows can be seen from 7:00 to 8:00 p.m. on Pioneer Public Television from Appleton, MN on Tuesdays, April 13, 20, and 27. The programs will be re-broadcasted on Metro Cable Channel 6 from 10:00 to 11:00 p.m. on Mondays, April 19, 26, and May 3.

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#### SEMINARS/DISCUSSIONS

April 12 Extension Seminar, Dr. George McDowell, Professor of Agricultural and Applied Economics at Virginia Tech, "Agricultural Extension: Giving Farmers What They Want Not What They Need - A Case of Market Failure," 4:00 p.m., 119 Classroom Office Building.

Agronomy Seminar, Khrisona Bjork, "Transgene Escape from Crops to Weedy Relatives," 3:30 p.m., 306 Borlaug.

Horticultural Sciences Seminar, Dr. (Max) Zong-Ming Cheng, "Genetic Improvement of Woody Plants Through Breeding and Biotechnology," 10:00 a.m., 310 Alderman.

Plant Molecular Genetics Seminar, Steve Berman and Rachel Nguyen, "Chlamydomonas Mutants with Defective Flagellar Assembly," 12:00 noon, 329 Gortner Lab.

April 13 Plant Biological Sciences, Nathan Springer, Thesis Proposal, "DNA Methyltransferases in Maize," 3:30 p.m., 335 Borlaug.

Entomology Seminar, Jason Simser, "Cellular and Molecular Interactions of Endosymbiotic Spotted Fever Group Rickettsiae with Ticks," 3:00 p.m., 490 Hodson.

April 14 Soil, Water & Climate Seminar, Neil Hansen, West Central Exp. Stn., Jeff Strock, Southwest Exp. Stn., and Neil Eash, Southwest Exp. Stn., "Soil Science Research: Perspectives and Plans from 3 new SWAC Branch," 2:30 p.m., 375 Borlaug.

Horticultural Science Seminar, Roger Meissner, "KEEY Program," 3:30 p.m., 415 Alderman.

April 15 Horticultural Science Seminar, Dr. Frederick (Rick) Meinzer, "From Leaf to Ecosystem: Processes in Environmental Physiology," 10:00 a.m., 310 Alderman.

Symposium, "The Impact of Research on International Agriculture," 8:15 a.m. - 4:30 p.m., Minnesota Commons St. Paul Student Center.

Brown Bag Seminar, Dr. Robert N. Anderson, Professor Emeritus, "Mark Twain in India," 12:00 noon, 306 Borlaug.

April 19 Agronomy Seminar, Lee DeHaan, "Potential for Success of Hazelnuts for Minnesota," 3:30 p.m., 306 Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### IOWA STATE UNIVERSITY

Assistant or Associate Professor, Seed Physiology, Dept. of Agronomy, Ames, IA. Ph.D. in plant science, crop/seed physiology, plant biochemistry/physiology, or related field is required.

#### IOWA STATE UNIVERSITY

Assistant, Associate, or Full Professor, Plant Molecular Genetics, Dept. of Agronomy, Ames, IA. Ph.D. and post-doctoral or equivalent experience in genetics, plant molecular biology, or related field are required.

Closing date: May 31, 1999

#### NORTH DAKOTA STATE UNIVERSITY

Research Associate/Postdoc, Weed Science Genetics and Molecular Biology, Dept. of Plant Sciences, Fargo, ND. Ph.D. in genetics, plant breeding, molecular biology, or closely related area required.

Closing date: May 1, 1999

#### UNIVERSITY OF MINNESOTA

Assistant to the Associate Dean, College of Human Ecology - Office of Outreach & Extension. Bachelor's degree required; preference given to a degree in business communication or related field.

Closing date: April 23, 1999

#### COLORADO STATE UNIVERSITY

Graduate Research Assistantship, Wheat Breeding and Genetics, Dept. of Soil & Crop Sciences, Fort Collins, CO. B.S. or B.A. degree (for M.S.) or M.S. (for Ph.D.) in plant science, agronomy, or related field.

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April 19, 1999

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## ANNOUNCEMENTS

Civil Service Excellence Award Ceremony--We know it's rather late this year, but take a break from the grind of field, lab, office and professorial work and join in congratulating this year's recipient Doug Miller. The ceremony will take place at 9:30 a.m., Friday, April 23 in 306 Borlaug Hall.

The Beauty of Our Prairie Heritage--Over 300 native plant species once lived on the tall grass prairies of the Midwest. Hundreds of species of insects, birds, and mammals used the prairie for habitat and food. Some of these are now endangered. Come and learn about the prairie ecosystem and the native plants of the prairie, and how prairie plantings can be integrated into city gardens. Slide show and talk given by Ron Bowen, founder and president of Prairie Restorations, Inc. Thursday evening, April 22 from 7:00-9:00 p.m. at the Merriam Park Library in St. Paul, admission is free. For more information call Wilderness Connections at 651-633-4410.

1999 Gear Swap--It's time for the 17th annual bike & camping gear swap. Bring in your gear on May 4-5, 9:00 a.m. -8:00 p.m. The sale days are May 6-7 from 9:00 a.m.-8:00 p.m. and May 8 from 9:00 a.m. -5:00 p.m. in the North Star Ballroom of the St. Paul Student Center. For more information please call the Outdoor Store at 612-625-8790.

Agronomy Shape-up Challenge--This year we have 115 participants on 10 teams with two individuals or more. For the first week there were 96 participants that qualified for the drawing of a \$20 gift certificate from Rainbow. The winner of the drawing was Roger Becker from the "Tony Nose...Oof!" team. (Can anyone tell us what that team name means??) There will be drawings at the end of the 6 weeks for Target gift certificates and you need to have a 200 point per week average to be included in the drawing. That means you have the next few weeks to bring your average up to qualify! The five teams with the

highest average points per person after 6 weeks will be in the drawing for the Nelson Cheese & Deli Lunch. The top five teams(captains) with their points per person were as follows for the first week:

Alfalfa(Keith Henjum)	836
1.5% Agarose Gels(Gerard Engelen-Eigles)	589
Wheaties(Gary Linkert)	587
Forageurs(Erik Barberg)	533
Beans '99(Josh Larson)	384

Remember to get your point totals into your team captain on Monday so that they can be included in the weekly drawing!

National Teleconference--*Women's Lives, Women's Voices, Women's Solutions: Shaping a National Agenda for Women in Higher Education.* Women and men students, faculty, and staff will discuss key issues of leadership, equity, and access and develop strategies to improve campus climates for and the status of women in higher education. The live 3-day teleconference will be held on March 27, 2000, 12:00-2:00 p.m. CST and March 29, 10:00-12:00 CST. The success of the conference is dependent upon your partnership in this endeavor. We would like to invite you to participate in one or more ways: 1) Endorse and/or sponsor the teleconference, 2) Attend the 3-day conference on the Twin Cities campus, 3) Encourage students, faculty and staff to attend the 3-day conference on the Twin Cities campus, 4) Submit a presentation proposal to participate in the concurrent sessions during the 3-day conference. Additional information about the teleconference can be found at [www.umn.edu/women/wihe](http://www.umn.edu/women/wihe) or by contacting the conference organizers at [WIHE@tc.umn.edu](mailto:WIHE@tc.umn.edu).

One Stop Student Services--for the U directory, news, events, activities, campus access, libraries, bookstore, disability services, new and international students, enrollment and course information, advising and academic services, student finances,

computer and internet information, employment and career services, forms on-line (address changes and transcripts) can now be accessed at one website location: <http://onestop.umn.edu>.

Grand Opening of the Mass Spec Facility-- Demonstrations of MALDI-TOF and Electrospray Instruments, operation of MALDI-TOF. The program runs from 1:00 to 2:30 p.m., and from 5:00 to 6:00 p.m. in room 43, Gortner Labs, on Wednesday, April 21. There will be a seminar at 3:00 in 335 Borlaug presented by Dr. Steven Carr, "Emerging Roles of Mass Spectrometry in Protein Analysis," and at 4:00 by Dr. Al Burlingame, "Identification of Hepatic Protein Targets of Acetaminophen in Vivo in Mice Using Two-Dimensional Gel Electrophoresis and Mass Spectrometry."

The Minnesota Institute for Sustainable Agriculture-- (MISA) is pleased to announce the second request for proposals for the Theodora and Arnold Johnson Undergraduate Research Internship Program. The program is designed to provide undergraduate students with an internship opportunity to work with a faculty member on a research topic pertaining to sustainable agriculture. The program provides up to \$3,000 for student stipends. The program is open to any student enrolled in any program within the U of MN College of Agricultural, Food, and Environmental Sciences. Copies of the application packet are available from several sources: the MISA office, 413 Hayes Hall, 5-8235 or outside of the Twin Cities call 1-800-909-6472; on the MISA website <[www.misa.umn.edu](http://www.misa.umn.edu)>; at the Career Services Office, 120 Biosystems and Ag Engineering, 4-2710.

The Women in Science and Engineering (WISE)-- student group at the University of Minnesota invites EVERYONE (women and men) to a career and professional development workshop: "A Balancing Act: Managing Your Time, Personal Life, and Career." Wednesday, April 28, 1999, 5:00-7:45 p.m., 2-101 Basic Sciences and Biomedical Engineering Building (Mpls. campus) FREE! The first half will offer tips on how to manage time wisely, presented by Stephanie Maxwell (University Counseling and Consulting Services). The second half will be a panel discussing ways to balance professional and personal life. The deadline to register is Friday, April 23, 1999. Dinner will be provided. Participants in the panel discussion are: Becky Hoyer--Chemistry professor at Macalester College, Jane Cornille--Organic Laboratory Coordinator at the U of M, Mary

Anderson--Biology professor at Gustavus Adolphus, Vicky Sandberg--patent attorney, Mueting & Raasch, Anne Weber--Main-technical writer, U of M Medical School, Sonja Somdahl--mechanical engineer at Medtronic. For further information, e-mail WISE ([wise@tc.umn.edu](mailto:wise@tc.umn.edu)). To register for these workshops, call Jenny Ryan in the Office for University Women at 625-2385 or e-mail: [wise@tc.umn.edu](mailto:wise@tc.umn.edu).

#### \*REMINDERS\*

Take Our Daughters To Work Day--April 22, 1999 marks the University of Minnesota's seventh year of participation in the annual Take Our Daughters To Work Day, a public education program of the Ms. Foundation for Women. Bring daughters, nieces, granddaughters, little sisters, neighborhood girls, or any girl that you know between the ages of 8 and 15 to a welcoming work environment.

COAFES Awards--The COAFES Awards Committee is again soliciting nominations for the CSBU and P&A awards. The CSBU award is to recognize an extraordinary contribution of two members of the Civil Service and Bargaining Unit Staff: one for academic related duties and the other for scientific work. The P&A award is to recognize the excellent performance of a member of the Professional and Academic staff. We hope you will nominate someone from your unit whose service to the College of the University has been exemplary. Nominations should be sent to Jean Kucera, 277 Coffey Hall, by May 7, 1999. For a description of the criteria and procedures for the award see Jeanne Davy.

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laboratory, which is the responsibility of the principal investigator.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

11th Annual Food Focus-- "A Proactive Approach to Safety in Grain-Based Foods," organized by AACC's northwest section. April 22, 1999 from 7:30 a.m. to 3:45 p.m. at the Holiday Inn West, 9970 Wayzata Blvd, Minneapolis. For a registration form, further information, and itinerary please stop by 411 Borlaug or check out the posting board.

### SEMINARS/DISCUSSIONS

April 19 Agronomy Seminar, Lee DeHaan, "Scientific Basis for Hazelnut Production in Minnesota - Past, Present and Future," 3:30 p.m., 306 Borlaug.

April 20 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Dr. James Garrels, Proteome Inc., "The Yeast Proteome Database: a Foundation for Multispecies Biological Knowledge Systems," 3:30 p.m., 335 Borlaug.

Entomology Seminar, Jim Cronin, Dept. of Biology, Univ. of North Dakota, "Movement and the Formation of Spatial Patterning in a Pine Beetle - Predator System," 3:00 p.m., 490 Hodson

April 21 Horticultural Science Seminar, Dr. Jeff Gillman, "Ag Experiment Station Report," 3:30 p.m., 415 Alderman.

Soil, Water & Climate Seminar, Lynn Carpenter-Boggs, USDA-ARS, "Nitrogen Supply and Microbial Activity in Rotation Trials," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: What's Up in Sustainable Agriculture? (WUSA), Lynn Carpenter-Boggs, USDA-ARS, "Fertilizers, Tillage, and Unsustainable Microbial Activity: A Discussion of Carbon and Nitrogen Cycling in Minnesota Soils," 12:00 noon, 408 Hayes.

April 26 Agronomy Seminar, Kristen Corseilius, TBA, 3:30 p.m., 306 Borlaug.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### COLORADO STATE UNIVERSITY

Assistant Professor, Biological Control of Weeds, Dept. of Bioagricultural Sciences and Pest Management, Fort Collins, CO. Ph.D. in entomology, weed sciences, plant pathology, or related field required.

#### UNIVERSITY OF MINNESOTA

Executive Assistant - Indoor Air Quality Project, Dept. of Design, Housing & Apparel. BA/BS and 3 years of program coordination/management or related administrative experience.

#### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent, Clark County, Specializing in Dairy and Livestock, Extended Recruitment. Master's degree with at least one degree in a field such as dairy science or animal science required.

Closing date: May 5, 1999

#### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent, Adams County, Extended Recruitment. Master's degree required with at least one degree in a field such as agriculture or agriculture education.

Closing date: May 5, 1999

#### UNIVERSITY OF MINNESOTA - EXTENSION

Acting Extension Educator, specializing in Crop Systems, Marshall, MN. Bachelor's degree required, master's preferred with at least one degree in an agriculturally related field.

Closing date: April 19, 1999

**NORTH CAROLINA STATE UNIVERSITY**

Assistant Professor - Soil Fertility and Plant Nutrition, Dept. of Soil Science, Raleigh, NC. Ph.D. in soil science or related field required.

Closing date: June 1, 1999

**UNIVERSITY OF CALIFORNIA, DAVIS**

Assistant Cooperative Extension Vegetable Specialist, Dept. of Vegetable Crops, Davis, CA. Ph.D. in a plant science discipline required.

**SOUTH DAKOTA STATE UNIVERSITY**

Assistant Manager Seed Certification, South Dakota Crop Improvement Association, Brookings, SD. Bachelor's in agronomy or related field required.

Closing date: May 3, 1999

**UNIVERSITY OF ARKANSAS**

Research Specialist in Forage Production/Physiology (M.S. degree-track), Crop, Soil, and Environmental Sciences Dept., Fayetteville, Arkansas. B.S. or equivalent degree by June 1999 in agronomy, range science, or a related plant science field.

**SAMUEL ROBERTS NOBLE FOUNDATION**

Farm Coordinator, Agriculture Division, Ardmore, OK. B.S. degree in an agricultural science required with at least 5 years experience in farm or ranch management.

**UNIVERSITY OF MAINE**

Assistant Professor, Weed Ecology & Management, Dept. of Plant, Soil & Environmental Sciences, Orono, Maine. Ph.D. in an appropriate agricultural science is required.

**MICHIGAN STATE UNIVERSITY - EXTENSION**

Extension Agriculture and Natural Resources Agent, St. Joseph County, Centreville, MI. Bachelor's degree in an agricultural sciences field.

Closing date: April 30, 1999

**UNIVERSITY OF MINNESOTA**

Postdoctoral Positions (2) - Neurogenetics or Cellular and Molecular Pathogenesis, on the Genetic and Cellular Basis of Neurodegenerative Disease. Ph.D. or M.D. required with relevant experience.



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Hogler

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

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April 26, 1999

*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 resources upon which agriculture depends.*

## ANNOUNCEMENTS

Shape-up Challenge--This week's winner of a \$20 gift certificate to the Olive Garden was Jane Jewett from The Foragers. Several teams didn't submit their points by 4:30 on Monday, so couldn't be entered in the weekly drawing. However, if you get your points e-mailed to Jim Halgerson they will be added and tallied for the final grand prize drawing at the end of the six weeks. The teams leading in the weekly averages are:

Alfalfa(Keith Henjum)	789pts
Wheaties(Gary Linkert)	497pts
Foragers(Erik Barberg)	493pts
Swanson's Swans(Jean Swanson)	364pts
Tony Nose...OOF!(Kevin Cavanaugh)	312pts

This week, you get double points on Friday for walking at noon with a coworker (not for the whole day). Remember that next Monday (May 3) is the day of the Agronomy Mile. If you complete the mile there will be a treat waiting for you. Good luck! Remember to report your points!

Distinguished Lecturer Announcement--"Agriculture: What's Ahead" given by Dr. William F. Hueg, Jr. Monday, May 3, 1999 from 1:30-2:30 p.m. at The Theater, St. Paul Campus Student Center. Dr. Hueg will discuss where we were in agriculture when he arrived as extension specialist in Minnesota 42 years ago and where we are today, as well as where we need to go in the future for the agricultural enterprise to survive.

Spring Jam Events on the St. Paul Campus--The 1999 Spring Jam celebration will be held Monday, May 17 through Saturday, May 22. This year's theme, "Sunshine Daze", will include many outdoor events throughout the Twin Cities campuses. On Tuesday, May 18, and Friday, May 21, there will be a series of events on the St. Paul Campus, please check out postings for a list of the events. All events

are free and open to the public. If you have any questions, please call Jason Hancock, Program Coordinator, at 612-625-8266. Thank you for your support of Spring Jam.

University of Minnesota Gateway Plan to Solicit 5,000 Books for Heritage Gallery--The greatness of the Univ. of Minn. is in large part due to the quality of research accomplished by our faculty. The Heritage Gallery at the Gateway should reflect this great publishing tradition and incredible productivity. Help collect 5,000 books written: by or about alumni, faculty, staff and/or students; about the U's history, inventions, accomplishments, and challenges; and about the state of Minnesota, with an emphasis on the University. The guidelines are: fiction, non-fiction, technical manuals, dissertations, textbooks; hardcover books with lettering on the spine; no pamphlets, stapled material, oversized books, loose-leaf books, rare or one-of-a-kind books; U libraries staff to help us find an appropriate home for the books not used in this exhibit; books will not be returned. The Heritage Gallery Book-a-thon drop-off is Friday, June 4, 1999 at the Gateway site on the corner of University Avenue and Oak Street, books can also be mailed to: The Alumni Association, 501 Coffman Union, 300 Washington Avenue SE, Minneapolis, MN 55455. If you would like to participate, please contact Elizabeth Patty at 625-9180 or 1-800-UM-ALUMS.

Rob Bertram--I will be out of the office until Tuesday, April 27. If you need immediate assistance please contact either Dana Dalrymple (202-712-5596 or ddalrymple@usaid.gov) or Eric Witte (202-712-5079 or ewitte@usaid.gov).

The Minnesota Institute for Sustainable Agriculture--(MISA) is pleased to announce the second request for proposals for the Theodora and Arnold Johnson Undergraduate Research Internship Program. The program is designed to provide undergraduate students with an internship opportunity to work with

a faculty member on a research topic pertaining to sustainable agriculture. The program provides up to \$3,000 for student stipends. The program is open to any student enrolled in any program within the U of MN College of Agricultural, Food, and Environmental Sciences. Copies of the application packet are available from several sources: the MISA office, 413 Hayes Hall, 5-8235 or outside of the Twin Cities call 1-800-909-6472; on the MISA website <[www.misa.umn.edu](http://www.misa.umn.edu)>; at the Career Services Office, 120 Biosystems and Ag Engineering, 4-2710.

The Women in Science and Engineering (WISE)--student group at the University of Minnesota invites EVERYONE (women and men) to a career and professional development workshop: "A Balancing Act: Managing Your Time, Personal Life, and Career." Wednesday, April 28, 1999, 5:00-7:45 p.m., 2-101 Basic Sciences and Biomedical Engineering Building (Mpls. campus) FREE! The first half will offer tips on how to manage time wisely, presented by Stephanie Maxwell (University Counseling and Consulting Services). The second half will be a panel discussing ways to balance professional and personal life. The deadline to register is Friday, April 23, 1999. Dinner will be provided. Participants in the panel discussion are: Becky Hoyer--Chemistry professor at Macalester College, Jane Cornille--Organic Laboratory Coordinator at the U of M, Mary Anderson--Biology professor at Gustavus Adolphus, Vicky Sandberg--patent attorney, Mueting & Raasch, Anne Weber- Main-technical writer, U of M Medical School, Sonja Somdahl--mechanical engineer at Medtronic. For further information, e-mail WISE ([wise@tc.umn.edu](mailto:wise@tc.umn.edu)). To register for these workshops, call Jenny Ryan in the Office for University Women at 625-2385 or e-mail: [wise@tc.umn.edu](mailto:wise@tc.umn.edu).

Saludos from Mexico!--I was asked in March before I left the U.S. if I was going to write updates on my fieldwork for the Gleanings, as Jean-Luc did from South America. I was so impressed by Jean-Luc's essays last year that I thought it would be a fun thing to do - so here is the first of my Chiapas-Updates. I am writing from the state of Chiapas in Mexico, a country characterized by a great regional polarization of class and wealth. The economy of the northern region of the country bordering the U.S. is based on free-trade zones containing maquiladora assembly factories of United States based companies, while the southern region bordering Guatemala is agriculturally rooted in the labor of small, or campesino, farmers. Mexico's southernmost state of Chiapas is renowned for its rich abundance of natural

resources and biological diversity. The highland region of the state where my partner Jonathan and I live is largely populated by indigenous Mayans. The highlands is one of Chiapas' eight agricultural regions, with altitude varying from between 3,600 and 7,200 feet, offering a cool crisp and stable climate that allows cultivation of a diversity of vegetables, fruits, flowers and herbs. The markets where local produce is sold to local consumers are colorful and lively. However, Chiapas demonstrates a terrible and strange contrast for an agricultural region, as malnutrition affects more than 75% of the population. This marginalization has been the root cause of a number of indigenous uprisings in the 1990's, most markedly the occupation of main Chiapas cities on January 1, 1994 by Zapatista rebel forces demanding that the Mexican government meet basic needs of Chiapas' rural poor. The town in which we are living is called San Cristobal de Las Casas (6,300 ft). It has very colonial characteristics with cobblestone streets, brightly colored houses, and indigenous Mayans and their children in native dress selling trinkets on the street. Last year I was here for 2 months doing pre-dissertation field work and found a little house that I rented for this year's fieldwork. While in MN I couldn't really remember what it was like, but when we arrived we were pleasantly surprised - the courtyard has a small garden full of flowers and herbs and is located in the oldest neighborhood in the town with some houses estimated to be over 250 years old. There is a fireplace (it gets cold at night and stays pretty cold until mid day), a large kitchen and living room, and stone tile floors. Lovely! We buy our food, all fresh, from an indigenous market up the street that is full of all sorts of fruits and vegetables, many of which I have never seen nor tried before. Cooking and eating are experiments in themselves! For my Ph.D. research I am looking at the use of leguminous trees in traditional coffee farms. Most campesino farmers here grow coffee organically (some certified, some not) on very small plots of land (<1 ha) under the shade of different fruit and leguminous trees. During my 5 months here I will be looking at the local knowledge of the farmers who use this system of coffee production. My main way of doing this will be through a series of interviews in four different coffee growing highland communities. I will also be collecting nodules from these leguminous shade trees to take back to MN with me in the fall. In September I will return to the U.S. for 5 months, then return to Chiapas to complete my fieldwork from February to November. Doors are always open to anyone interested in visiting a little touch of paradise...

## \*REMINDERS\*

1999 Gear Swap--It's time for the 17th annual bike & camping gear swap. Bring in your gear on May 4-5, 9:00 a.m. -8:00 p.m. The sale days are May 6-7 from 9:00 a.m.-8:00 p.m. and May 8 from 9:00 a.m. -5:00 p.m. in the North Star Ballroom of the St. Paul Student Center. For more information please call the Outdoor Store at 612-625-8790.

COAFES Awards--The COAFES Awards Committee is again soliciting nominations for the CSBU and P&A awards. The CSBU award is to recognize an extraordinary contribution of two members of the Civil Service and Bargaining Unit Staff: one for academic related duties and the other for scientific work. The P&A award is to recognize the excellent performance of a member of the Professional and Academic staff. We hope you will nominate someone from your unit whose service to the College of the University has been exemplary. Nominations should be sent to Jean Kucera, 277 Coffey Hall, by May 7, 1999. For a description of the criteria and procedures for the award see Jeanne Davy.

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## SEMINARS/DISCUSSIONS

April 26 Agronomy Seminar, Kristen Corselius, "Food Allergens: Public Perceptions of Biotechnology," 3:30 p.m., 306 Borlaug.

April 27 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Dr. Qin Qin Liu, "Why Study Wild Rice Flower Development - A Model System for Sex Determination in Aquatic Plants," 3:30 p.m., 335 Borlaug.

Entomology Seminar, Naomi Pierce, Dept. of Biology, Harvard University, "Ants, Plants and Blue Butterflies," 3:00 p.m., 490 Hodson.

April 28 Horticultural Science Seminar, Dr. Mary Meyer, "Grasses and Gardens of Germany," 3:30 p.m., 415 Alderman.

Soil, Water & Climate Seminar, Brad Berger, "Music in the North Woods - Scales and Turbulent Kinetic Energy in a Great Lakes Forest Ecosystem," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: What's Up in Sustainable Agriculture? (WUSA), Open, 12:00 noon, 408 Hayes.

May 3 Agronomy Seminar, Ray Kirsch, "Bt Resistance Management Plans for Corn - Why Folks You Know Are Suing the EPA," 3:30 p.m., 306 Borlaug.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

### PURDUE UNIVERSITY

Soils and Land Use Specialist, Assistant Professor, Dept. of Agronomy, West Lafayette, IN. Ph.D. in Soil Science or closely related discipline required.

Closing date: July 1, 1999

**UNIVERSITY OF ARKANSAS**

Assistant or Associate Professor - Turfgrass Management, Dept. of Horticulture, Fayetteville, AK. Ph.D. in soil science, horticulture, plant science, or related field required.

**USDA**

National Program Leader, Interdisciplinary: Ecologist, Plant Pathologist, Soil Scientist, Research Agronomist, Beltsville, Maryland. Please see posting for qualification requirements.

Closing date: July 16, 1999

**NORTHEAST LOUISIANA UNIVERSITY**

Assistant Professor, Dept. of Agriculture - Agronomy/Horticulture, Monroe, LA. Ph.D. in agronomy, horticulture or plant science required.

Closing date: June 1, 1999

**OREGON STATE UNIVERSITY**

Postdoctoral Research Associate - Plant Molecular Genetics, Dept. of Crop & Soil Science, Corvallis, OR. Ph.D. in molecular biology, biochemistry, botany, genetics, plant breeding, or a related field.

Closing date: April 30, 1999

**OREGON STATE UNIVERSITY**

Faculty Research Assistant - Plant Molecular Genetics, Dept. of Crop & Soil Science, Corvallis, OR. M.S. in molecular biology, biochemistry, botany, genetics, plant breeding, or a related field.

Closing date: April 30, 1999

**ALABAMA COOPERATIVE EXTENSION**

County Extension Agent, Russell County, Phoenix City, AL. Bachelor's degree in animal science, pest management, agronomy, horticulture, natural resources, or a related field, Master's preferred.

Closing date: May 14, 1999

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
May 3, 1999

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## ANNOUNCEMENTS

St. Paul Campus Heating Plant Shutdown—Saturday, May 8, 1999 from 6:00 a.m. to 4:00 p.m., there will be a steam service shutdown on the entire St. Paul campus. This steam service shutdown is required by Foster Wheeler to upgrade their equipment. There will be no steam service to the campus during this time. Please call the zone office listed below if you have any questions or concerns about potential effects of this scheduled maintenance work. We apologize for any inconvenience to building occupants.

The 1999 Tyler Prize for environmental achievement was presented to Dr. T.T. Chang, a 1959 Ph.D. graduate of the Department of Agronomy and Plant Genetics, for his plant breeding and genetics resources work with rice. T.T. Chang developed the model for others to follow in preserving the biodiversity of crop plants at the International Rice Research Institute in the Philippines. His knowledge of rice biodiversity was instrumental in the use of semi-dwarfness for breeding breakthrough rice varieties that led to the Green Revolution in Asia.

T.T. Chang donated his entire share of the prize money, \$100,000, to the University of Minnesota in the name of Dr. Charles R. Burnham, an admired plant genetics professor of T.T. Chang in the Department of Agronomy and Plant Genetics.

Dr. Ron Phillips attended the award ceremony in Los Angeles on April 16 and accepted the check on behalf of the University.

COAFES Student Day—Students, Faculty, and Staff are invited to celebrate the 83<sup>rd</sup> Annual Minn Royal and the spirit of agriculture at a COAFES sponsored breakfast held in conjunction with Minnesota Royal 1999, Friday, May 7, 7:30 – 9:30 a.m., Atrium, VoTech Building.

Agronomy Shape-Up Challenge—The winner of the \$20 gift certificate for the third week was Jen Schmidt from the Alfalfa team. Congratulations! The top 5 teams after the third week are:

Alfalfa (Keith Henjum)	788 pts.
Forageurs (Eric Barberg)	630 pts.
Wheaties (Gary Linkert)	524 pts.
Swanson's Swans (Jean Swanson)	381 pts.
1.5% Agarose Gels (Jeff Roessler)	351 pts.

Please remember to get your points into Jim Halgerson ([halge001@tc.umn.edu](mailto:halge001@tc.umn.edu)) on Mondays so you are included in the drawing. This week's drawing will be for a \$20 gift certificate to the Olive Garden.

Agronomy Mile Walk—Also, today (Monday, May 3<sup>rd</sup>) is the day for the Agronomy Mile Walk. You will get double points for this walk, so be sure to meet in front of Hayes Hall at 12 noon. This is the only time for double points this week! See you there!

Notice to all Former Civil Service Liaison Committee Members—If you have any old folders or papers with information about duties of the Liaison committee, please let Kathleen Storey or Kate Plaisance know or put it into one of their mailboxes. We have been told that there was a binder with all the information in it and we have never seen it. We would like to get all the information into one folder to pass on to future members. Thank you, Kathleen Storey.

## \*REMINDERS\*

Distinguished Lecturer Announcement—“Agriculture: What’s Ahead” given by Dr. William F. Hueg, Jr., Monday, May 3, 1999 from 1:30-2:30 p.m. at The Theater, St. Paul Campus Student Center. Dr. Hueg will discuss where we were in agriculture when he arrived as extension specialist in Minnesota 42 years ago and where we are today, as well as where we need to go in the future for the agricultural enterprise to survive.

Project Review Seminars—“Small Grains Management and Production” seminar will be given by Dr. Jochum Wiersma on Tuesday, May 11 at 12:00 noon in 306 Borlaug, followed by a special seminar at 12:45 p.m. by Dr. Steve Simmons, “A Professional Perspective.” Also, there is an additional project review seminar on Thursday, May 13 from 12:00-1:00 p.m. in 306 Borlaug given by Dr. Elizabeth Dyck, “A Research Agenda in Organic Farming Systems.”

Spring Jam Events on the St. Paul Campus—The 1999 Spring Jam celebration will be held Monday, May 17 through Saturday, May 22. This year’s theme, “Sunshine Daze”, will include many outdoor events throughout the Twin Cities campuses. On Tuesday, May 18, and Friday, May 21, there will be a series of events on the St. Paul Campus. Please check out postings for a list of the events. All events are free and open to the public. If you have any questions, please call Jason Hancock, Program Coordinator, at 612-625-8266. Thank you for your support of Spring Jam.

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## SEMINARS/DISCUSSIONS

May 3 Agronomy Seminar, Ray Kirsch, “Bt Resistance Management Plans for Corn - Why Folks You Know Are Suing the EPA,” 3:30 p.m., 306 Borlaug.

May 4 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Dr. Virginia Walbot, Stanford University, “RescueMu Transposition in Maize: A New Tool to Answer Questions about Mutator Elements and to Tag Maize Genes Efficiency,” 3:30 p.m., 335 Borlaug.

Entomology Seminar, Bob Haack, Michigan State Univ., “The Asian Longhorned Beetle: Biology, Eradication Efforts, and Trade,” 3:00 p.m., 490 Hodson.

May 5 Soil, Water & Climate Seminar, Martha Mamo and Paul Conklin, “Winter Wastewater Irrigation Impacts on Nutrient and Water Movement,” 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: What’s Up in Sustainable Agriculture? (WUSA), Lori Pommeranke, “Agriculture in the Woods: Ideas from Foraging Practices of Northeastern Thai Villagers,” 12:00 noon, 408 Hayes.

May 10 Agronomy Seminar, Philippe Seguin, “Molecular Communication Between Rhizobia and Legumes: Potential Application for Agriculture,” 3:30 p.m., 306 Borlaug.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

### UNIVERSITY OF MINNESOTA

Assistant Professor, Forage Management and Utilization, Dept. of Agronomy & Plant Genetics, St. Paul, MN. Ph.D. required in agronomy or related field by date of appointment.

Closing date: August 1, 1999

### NORTH DAKOTA STATE UNIVERSITY

Plant Scientist in Weed Science Genetics and Molecular Biology, Dept. of Plant Sciences, Fargo, ND. Ph.D. in genetics, plant breeding, molecular biology, or closely related area.

Closing date: May 1, 1999

### UNIVERSITY OF MINNESOTA

Summer Research Assistant, Center for Urban and Regional Affairs, Improved Farming Practices in the Blue Earth River Basin, June 14 to August 29. Must be registered U of MN graduate student for duration of appointment.

### UNIVERSITY OF MINNESOTA

Summer Research Assistant, Center for Urban and Regional Affairs, "Low Input Lawn Care Practices - Protection of Local Aquifers," June 14 to August 29. Must be registered U of MN graduate student for duration of appointment.

### UNIVERSITY OF MINNESOTA

Summer Research Assistant, Center for Urban and Regional Affairs, "Chatfield Nature Area Inventory and Planning," June 14 to August 29. Must be registered U of MN graduate student for duration of appointment.

### PIONEER HI-BRED INTERNATIONAL, INC.

Research Manager, Product Development Late Maize, Delmas, South Africa. Ph.D. or equivalent in plant breeding, genetics, or related field with a strong background in molecular and whole plant genetics and supporting sciences.

### COLORADO STATE UNIVERSITY

Assistant Professor, Biological Control of Weeds, Department of Bioagricultural Sciences and Pest Management, Fort Collins. Ph.D. in entomology, weed science, plant pathology, biological control, or a related field.

Closing date: June 1, 1999

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J Agler

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

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May 10, 1999

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## ANNOUNCEMENTS

COAFES Lecture and Fellowship Award: The Phillip Hamm Memorial Lecture will be held on Wed., May 12, 4:00 p.m. at 135AC Earle Brown Center. Dr. Winslow Briggs will talk about "Signal Transduction in Phototropism: The Decades-long Pursuit of an Elusive Plant Photoreceptor". Dr. Briggs comes from the Department of Plant Pathology, Carnegie Institution of Washington. Just before the lecture (3:30) there will be a reception, and one of our Graduate Students, Cristine Handel, will be receiving one of the two Phillip Hamm Memorial Fellowships for 1999.

Seminar Announcement--On Wednesday, May 12 there will be a seminar, "Integrating Soil, Crop and Weed Management in Low-External-Input Farming Systems," by Dr. Matt Liebman, Iowa State University, at 9:00 a.m. in 306 Borlaug. The seminar will be followed by an informal discussion (10:30 - 12:00) in room 408 Hayes. Dr. Liebman will be meeting with graduate students at 1:00 p.m., but is free to meet with others after 2:00. Please email Deborah Allan (dallan@soils.umn.edu) if you would like to schedule a visit.

COAFES Faculty: Hello! Do you or your students have a message about global topics such as food, agriculture and the environment that you would like shared across our University and around the world WITHOUT leaving St. Paul?? If so, we have an opportunity for you! We are seeking posters to be on display July 6-8 during the conference part of the Global Summit at the Radisson Hotel, downtown St. Paul. Please use this information and feel free to pass it on to exceptional students or organizations. If you have any questions, feel free to contact me. Please stop by 411 Borlaug for more information. Please note May 20th poster application deadline. Thank you. Sarah Iverson, Poster Coordinator

Workshop: "Getting Started as a Successful Grant-Writer," presented by Dr. Stephen Russell on May 12-20, time and place to be determined.

## \*REMINDERS\*

Spring Jam Events on the St. Paul Campus--The 1999 Spring Jam celebration will be held Monday, May 17 through Saturday, May 22. This year's theme, "Sunshine Daze", will include many outdoor events throughout the Twin Cities campuses. On Tuesday, May 18, and Friday, May 21, there will be a series of events on the St. Paul Campus, please check out postings for a list of the events. All events are free and open to the public. If you have any questions, please call Jason Hancock, Program Coordinator, at 612-625-8266. Thank you for your support of Spring Jam.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

## SEMINARS/DISCUSSIONS

May 10 Agronomy Seminar, Philippe Seguin, "Molecular Communication Between Rhizobia and Legumes: Potential Application for Agriculture," 3:30 p.m., 306 Borlaug.

May 11 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Joel Tallaksen, "Plant Community Responses to Soil Amendments at a Prairie Restoration," 3:30 p.m., 335 Borlaug.



Entomology Seminar, Lana Barkawi,  
"Pheromone Biosynthesis in  
Dendroctonus spp. Bark Beetles,"  
3:00 p.m., 490 Hodson.

Project Review Seminar, Dr. Jochum  
Wiersma, "Small Grains  
Management and Production," 12:00  
noon, 306 Borlaug.

Special Seminar, Dr. Steve  
Simmons, "A Professional  
Perspective," 12:45 p.m., 306  
Borlaug.

May 12 Soil, Water & Climate Seminar,  
Terry Cooper, "Teaching Basic Soils  
in the Next Millennium," 2:30 p.m.,  
375 Borlaug.

Sustainable Agriculture Study  
Group: What's Up in Sustainable  
Agriculture? (WUSA), Robert  
Hurling, "A Survey of Successful  
Mechanical Weed Control in  
Minnesota," 12:00 noon, 408 Hayes.

May 13 Project Review Seminar, Dr.  
Elizabeth Dyck, "A Research  
Agenda in Organic Farming  
Systems," 12:00 noon, 306 Borlaug.

May 17 Agronomy Seminar, Emily Pullins,  
"The Use of Transgenically  
Modified Crops for Ecophysiological  
Field Research," 3:30 p.m., 306  
Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

**HEARTLAND ORGANIC MARKETING COOP**  
Marketing Director, Harlan, IA. Experience in  
marketing required.

**UNIVERSITY OF WISCONSIN - EXTENSION**  
Horticulture Agent, Kenosha County, WI. Master's  
Degree required in field directly related to  
Horticulture.

Closing date: June 2, 1999

**MONTANA STATE UNIVERSITY**  
Professor of Horticulture, Dept. of Plant Sciences,  
Bozeman, MT. Ph.D. in horticulture or related  
discipline.

**OREGON STATE UNIVERSITY**  
Faculty Research Assistant, North Willamette  
Research and Extension Center, Dept. of  
Horticulture, Aurora, OR. M.S. degree in  
horticulture or related field required.  
Closing date: June 1, 1999

**UNIVERSITY OF CALIFORNIA**  
Farm Advisor - Dairy, Cooperative Extension,  
Stanislaus & Merced counties, Modesto, CA.  
Master's degree in dairy or animal sciences required.  
Closing date: June 30, 1999

**SOUTH DAKOTA STATE UNIVERSITY**  
Graduate Research Assistant (M.S.), Plant Science  
Dept., Brookings, SD. Bachelors degree in  
agronomy or related field.

**UNIVERSITY OF MINNESOTA**  
Temporary Lecturer Positions, College of Biological  
Sciences, Genetics & Cell Biology/Genetics, Cell  
Biology & Development. Ph.D. or equivalent  
required.

**SOUTH DAKOTA STATE UNIVERSITY**  
Research Associate/Research Assistant, Plant  
Physiology and Molecular Biology Research in Plant  
Dormancy, Brookings, SD. M.S. (Research  
Associate) or B.A. or B.S. (Research Assistant) in  
biology, horticulture, plant science or related area.

**TEXAS A&M UNIVERSITY SYSTEM**  
Technician II, Texas Agricultural Research and  
Extension Center, Vernon, TX. B.S. in agronomy,  
range science or related fields.  
Closing date: May 21, 1999

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
May 17, 1999

*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 resources upon which agriculture depends.*

## ANNOUNCEMENTS

Congratulations--to Cristine Handel on receiving the Hamm Graduate Scholarship for 1999.

Shape-Up Challenge--The winner of the \$20 gift certificate to Olive Garden for week 4 was Sheldon Norton of the Eddy Oatlies. The winner of a \$20 gift certificate to Rainbow for week 5 was Doug Swanson of the Forageurs.

Team Leaders at this point:

Alfalfa	303
Forageurs	602
Wheaties	494
1.5% Agarose Gels	383
Swanson's Swans	381

There is still one drawing for a \$20 gift certificate to the Olive Garden for the 6th Week. If you want to be included you must get your points in to Jim Halgerson by 4:30 today. Also, the final drawing will be among the top 5 teams and will be announced next week. Be watching for the announcement of the Grand Finale Party in the coming weeks.

H.K. Hayes Memorial Lecture and Hayes Award--"Edible Vaccines: From Concept to Human Clinical Trials" presented by Charles J. Arntzen, President and CEO of Boyce Thompson Institute for Plant Research, Inc. The lecture and award will be presented on Monday, May 24, 1999 in room 135, Earle Brown Continuing Education Center on the St. Paul Campus. From 3:00-3:30 p.m. will be the H.K. Hayes Graduate Student Award, 3:30-4:00 p.m. there is a reception in the upper lobby, and from 4:00-5:00 p.m. is the Hayes Memorial Lecture.

### Mark Your Calendars:

June 22 - Waseca Summer Field Day  
June 23 - Lamberton Summer Field Day  
June 30 - Waseca Field Tour at Potsdam  
July 8 - Morris Summer Field Day  
August 10-12 - Waseca Fall Ag Drainage Field Day  
TBA - Crookston Summer Field Day

## \*REMINDERS\*

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## SEMINARS/DISCUSSIONS

May 17 Agronomy Seminar, Emily Pullins, "The Use of Transgenically Modified Crops for Ecophysiological Field Research," 3:30 p.m., 306 Borlaug.

May 18 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Timothy Conner, Monsanto Company, "The New Era of Biology: Data Overload and Tempered Optimism from Informatics Solutions," 3:30 p.m., 335 Borlaug.

Entomology Seminar, Lee French, "An Entomology Degree, Can You Use It in a Non-Traditional Occupation?" 3:00 p.m., 490 Hodson.

May 19

Soil, Water & Climate Seminar, Bill Larson, "Can We Feed 10 Billion People in the Next Century," 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: What's Up in Sustainable Agriculture? (WUSA), G. Edward Schuh, "International Monetary Issues and Agriculture," 12:00 noon, 408 Hayes.

Special Seminar, Mary Palm, USDA-APHIS, "Fungi, Science and Politics: Karnal Bunt," 3:30 p.m., 491 Borlaug.

May 20

Plant Biology (Special Seminar), Jerry Cohen, USDA-ARS, "Auxin Conjugates," 10:00 a.m., 491 Borlaug.

#### **POSITIONS AVAILABLE**

(Positions in notebook in 411 Borlaug Hall)

##### **MONSANTO GLOBAL SEED GROUP**

Full Time Research Assistant, Soybean Pathology, Waterman, Illinois. B.S. in life sciences or agriculture required.

##### **PIONEER HI-BRED INTERNATIONAL, INC.**

Senior Research Associate, Research & Product Development, Early/Mid Maize, Willmar, MN. Ph.D. or M.S. degree in plant breeding, plant physiology, plant genetics or related field.

##### **IOWA STATE UNIVERSITY**

Director, Leopold Center for Sustainable Agriculture, Ames, Iowa. For a comprehensive description of this position, visit the web site: [www.ag.iastate.edu/news/leopold.html](http://www.ag.iastate.edu/news/leopold.html).

##### **UNIVERSITY OF IDAHO**

Extension Educator, Crops, Twin Falls County, Idaho. Masters degree in agronomy, crop sciences, plant science, horticulture or a related field is required.

##### **UNIVERSITY OF IDAHO**

Extension Educator, Crops, Jerome County, Idaho. Masters degree in agronomy, crop sciences, plant science, horticulture or a related field is required.

##### **SOUTH DAKOTA STATE UNIVERSITY**

Assistant Professor of Plant Science - Winter Wheat Breeding/Genetics, Brookings, SD. Ph.D. in agronomy, or related discipline required.

Closing date: July 1, 1999

##### **CLEMSON UNIVERSITY**

Assistant Professor - Crop and Soil Environmental Science, Pee Dee Research and Education Center, Florence, SC. Ph.D. in agronomy, soil science, or closely related field required.

Closing date: May 25, 1999

##### **KENT STATE UNIVERSITY**

Assistant or Associate Professor, Weed Science/Weed Ecology, Manhattan, KS. Ph.D. in agronomy, plant science or closely related discipline.

Closing date: July 30, 1999

##### **COLORADO STATE UNIVERSITY**

Assistant Professor - Biological Control of Weeds, Dept. of Bioagricultural Sciences and Pest Management. Ph.D. in entomology, weed science, plant pathology, biological control, or a related field is required.

##### **STEARNS COUNTY SOIL & WATER CONSERVATION DISTRICT**

Soil Conservationist - Manure Management Specialist, Waite Park, MN. Bachelor's degree in soil science, agronomy, hydrology or related field is required.

Closing date: May 28, 1999

MW  
2/4/86

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu

May 24, 1999

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## ANNOUNCEMENTS

Summer Workshop--Molecular Biology Techniques Workshop, June 14 to 24, 1999. This course provides participants with a general understanding of the theory of molecular biology and recombinant DNA technology as well as an opportunity to personally experiences a variety of methodologies in the laboratory working closely with the instructors. This course is designed for academic and corporate researchers and managers in biomedical, agricultural and veterinary fields. Pre-registration is required by June 4. Call Outreach Programs at (612)624-3434/800-380-8636 or visit the website at <[www.cvm.umn.edu/outreach/](http://www.cvm.umn.edu/outreach/)> and click on the dates on our calendar.

Shape-up Challenge-6th Week--The winner of a \$20 gift certificate to the Olive Garden was Dave Matteson of the Forageurs team. The five teams with the highest averages for the 6 weeks are:

Alfalfa	758pts/wk
Forageurs	613pts/wk
Wheaties	470pts/wk
Tony Nose...OOF!	455pts/wk
1.5% Agarose Gels	378pts/wk

Shape-Up Challenge Grande Finale Party!!!--

Thursday May 27th is the date for the Grand Finale Party. It will be held in 408 Hayes Hall. A variety of muffins with coffee and fruit punch will be served. Drawings for prizes! Every one with an average of 200 minutes per week or better will be entered in a drawing for 10 grand prizes:

- five \$10 gift certificates to Target
- three \$25 gift certificates to Target
- two \$50 gift certificates to Target

Also, there will be a drawing from the five teams with the highest weekly averages for Lunch at Nelson's Cheese and Deli. Surprise winners will be announced in special categories, as well. Mark your calendars and come to celebrate your healthy start on the summer!

## \*REMINDERS\*

H.K. Hayes Memorial Lecture and Hayes Award--"Edible Vaccines: From Concept to Human Clinical Trials" presented by Charles J. Arntzen, President and CEO of Boyce Thompson Institute for Plant Research, Inc. The lecture and award will be presented on Monday, May 24, 1999 in room 135, Earle Brown Continuing Education Center on the St. Paul Campus. From 3:00-3:30 p.m. will be the H.K. Hayes Graduate Student Award, 3:30-4:00 p.m. there is a reception in the upper lobby, and from 4:00-5:00 p.m. is the Hayes Memorial Lecture.

Pizza for Sale--The Gopher Crops and Soils Club is having a fund-raiser for the Undergraduate Club. They will be selling pizza and soda from 11:30 a.m. to 1:00 p.m. every Wednesday in 302 Borlaug. Pizza is \$1.50 per slice and soda is \$.50 per can.

## SEMINARS/DISCUSSIONS

- May 24 Hayes Award, no Agronomy Seminar.
- May 25 Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Tong-Seung Tseng, "Analyzing the Functional Domains of the SPY Proteins," 3:30 p.m., 335 Borlaug.

May 26

Soil, Water & Climate Seminar, Ken Davis, "Are the Forests of the Upper Midwest Sinks of Carbon Dioxide?" 2:30 p.m., 375 Borlaug.

Sustainable Agriculture Study Group: What's Up in Sustainable Agriculture? (WUSA), Jack Kloppenberg, Associate Professor, Rural Sociology, Univ. of Wisconsin-Madison, "Food Sheds and Farming Systems: Perspectives from Wisconsin," 12:00 noon, 408 Hayes.

### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### LIMAGRAIN GENETICS CORP.

Molecular Marker Laboratory Manager, North American Research Headquarters, Lebanon, IN. Ph.D. in plant breeding/genetics, quantitative genetics, or biometrics is preferred.

#### MICHIGAN STATE UNIVERSITY

Director, Center for Integrated Plant Systems (CIPS), East Lansing, MI. Ph.D. in plant science/pathology, entomology, agricultural/resource economics, or a closely related field is required.

#### MONSANTO COMPANY

Various positions: Ph.D. Molecular Biologists/Biochemists, BS/MS Applied Geneticists, BS/MS Analytical Chemists, BS/MS Molecular Biologists/Biochemists, BS/MS/Ph.D. Patent Scientist, Ph.D. Functional Plant Genomics Team Leader, Biostatistics/Bioinformatics, Group Leader/Protein Enhancement Program, Bioinformatics Team Leader, Gene Expression Project Leader, Biochemist/Molecular Biologist, Biostatistician, and Analytical Chemist. The positions are located in various locations including: Davis, CA, Mysitic, CN, and St. Louis, MO. Please check the job book for descriptions and qualifications for particular positions.

#### UNIVERSITY OF CALIFORNIA

Bay Area Natural Resource Advisor - Housed in Santa Clara County. Master's degree in natural resources management, watershed management, ecology, range management, environmental science or a closely related field is required.

#### UNIVERSITY OF CALIFORNIA

Irrigation/Water Resources Management Advisor, Tehama, Glenn, Shasta and Colusa Counties, CA. Master's degree in soil and water science, agricultural science, or a closely related field is required.

Closing date: July 16, 1999

#### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent, Adams County, WI. Master's degree required with at least one degree in agriculture or agriculture education.

Closing date: June 16, 1999

#### UNIVERSITY OF WISCONSIN - EXTENSION

Dairy & Livestock Educator, Trempealeau, Jackson, Monroe & La Crosse Counties, WI. Bachelor's degree required, Master's preferred in field related to dairy science or animal science.

Closing date: June 23, 1999

#### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent, Iowa County, WI. Master's degree required with at least one degree related to agriculture or agriculture education.

#### UNIVERSITY OF NEBRASKA - LINCOLN

Postdoctoral Research Associate, Integrated Weed Management Implementation Coordinator, Dept. of Agronomy, Lincoln, NE. Ph.D. in weed science or closely related field is required.

#### UNIVERSITY OF KENTUCKY

Research Specialist, Tobacco Breeding Program, Dept. of Agronomy, Lexington, KY. M.S. degree in agronomy, plant and soil science, plant breeding or closely related area.

# Agronomy Gleanings

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June 1, 1999

mw  
7-2-99

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## ANNOUNCEMENTS

### Shape-up Challenge Grand Finale Party--

At the Grand Finale Party we recognized all the teams and their captains because it seemed that those participants on teams kept their averages up better than the individuals. There were 95 of our 108 participants that maintained 200pts per week or better for the 6weeks of the Challenge. Their names went into a drawing for Target Gift certificates. The winners were:

- \$10 Certificates David Matteson (Forageurs), Lee Ann Matheson (Wheaties), Alvaro Rivera (Beans '99) Doreen Murray (Feds) and Anna Marie Procopiuk (Wheaties).
- \$25 Certificates Craig Sheaffer (Forageurs), Debra Elias (MISA), and John McLaughlin (Random Artifacts).
- \$50 Certificates Pat Kessler (Swanson's Swans) and Aurora Young (Swanson's Swans).

The team that won the drawing for the lunch at Nelson's Deli was the Alfalfa Team: Captain Keith Henjum, Tina Albrecht, Micah Brachman, Caryn Countryman, Rich Miller, Don Ralston, Jen Schmidt, Jessica Walus, and Tracy Yuan.

Shape-Up Challenge T-shirts were awarded to the following individuals for special recognition:

John McLaughlin(Random Artifacts)- "Most Consistent" for maintaining exactly 200 pts for all six weeks! Kevin Cavanaugh (Tony Nose...Oof!)- "Biggest Range or Highest Standard Deviation" with a weekly low of 342pts. and a high of 2165pts. Incidentally, their team name stems from the correct positioning of the toe, knee, and nose while cross country skiing. Rich Miller- "Postal Award" Neither rain, nor sleet, nor dark of night... with a whopping weekly average of 1112pts--the highest of all participants. Jen Schmidt(Alfalfa)-"Iron Woman"

with an average of 958pts per week and the highest average of all female participants. Don Ralston(Alfalfa)-"Snow on the Roof Top-Still Fire in the Furnace" with an average of 948pts per week. Alvaro Rivera-"Good Effort Award" for losing two weeks of points (because he briefly left the U) and still coming back with 4 weeks worth of points to average over 200 pts per week over the 6 week period.

Some special Team Awards were also given to: Eddy's Oatlies-"Most Consistent Team" with a weekly team average of 312 pts and a standard deviation of 24pts. Random Artifacts-"Stopped to Smell the Roses" for the lowest team average of 228pts, yet a very respectable average.

Thanks, again, to all the team captains for their prompt reporting of scores. It really went smoothly this year and we hope that everyone enjoyed it. Keep up the healthy lifestyles and we hope to do it again next year! Thanks for waiting for me each week!  
Kathleen Storey

Symposium--The University of Minnesota, in conjunction with the National Institutes of Health (NIH) will be presenting a symposium entitled, "Responsible Research and Society's Expectations" on June 8, 1999, in Coffman Memorial Union. The Symposium is open to everyone involved in the conduct and administration of sponsored research but was developed particularly for faculty. For more information or to register, contact Dee Anne Bonebright at d-bone@tc.umn.edu or call 612-624-6550.

Faculty, Staff, Grad Students--The undergrad club will hold their annual steak fry on Wednesday, June 2 at 5 p.m. on the patio of Borlaug Hall and all of you are invited to join them. The cost is \$3 for faculty, staff, grad students and \$1 for club members. Sign up with Lynne in 302 Hayes by Tuesday, June 1 if you would like to attend.

Research Project on Mutational Analysis of Root Characters-- The International Atomic Energy Agency is organizing a new FAO/IAEA Coordinated Research Project (CRP) on "Mutational analysis of root characters in annual food plants related to plant performance." The objective of the CRP is to assist Member States in the application of mutation techniques and related biotechnology to generate and utilize mutants for the identification of root properties and genes for improvement of productivity and sustainability of crop plants. Potential crops to be included: barley, maize, rice, sorghum, teff, wheat, bean, chickpea, faba bean, pea, soybean and tomato. Expected research outputs: selection, evaluation and genetic analysis of promising mutants with desired root types and altered soil penetration habits; development of a strategy to determine the nutritional impact of mutants; determination of the genetic basis of architectural and functional changes in roots; identification of important ontogenetic checkpoints in architectural development; development of efficient screening systems for a variety of root functions; development of strategies for utilization of genetic traits to enhance the plant benefit from the symbiotic association with arbuscular mycorrhizal fungi; development of strategy for the use of root system mutants in cross breeding programs; development of a root network for exchange of information between root laboratories in developed and developing countries by generation of a data base for the identification and naming of mutants. Scientists interested in participation, should inform the Plant Breeding and Genetics Section of the Joint FAO/IAEA Division by email or fax. We will send you a form "Proposal for Research Contract" (developing countries) or for "Research Agreement". The Proposal should be filled in and sent to us by express mail before 2 July 1999. The first Research Co-ordination Meeting is expected to be held in November 1999 or February 2000 in Vienna. Ten to fifteen scientists from developing countries (Research Contract holders) and three to five from advanced labs (Research Agreement holders) usually participate in our CRPs. Contact: M. Maluszynski, Plant Breeding and Genetics Section, P.O. Box 100. Vienna Austria. Email: M.Maluszynski@iaea.org; Fax: +43 1 26007; Phone: +43 1 2600 21619.

Staff Day Food Drive--In conjunction with June 2nd Staff Day to benefit the Naomi Family Center c/o Union Gospel Mission, St Paul, MN. Donation boxes are located in department offices prior to June 2nd and outside the St Paul Student Center on Staff Day. Suggested Donations: Non-perishable food, and non-food items such as personal care items or items for kids!

Pizza for Sale--Wednesday, June 2, 1999 will be the last day for the pizza sale.

Public Forums--Candidates for the position of Vice President for Agricultural Policy, Dean of the College of Agricultural, Food, and Environmental Sciences, and Director of the Minnesota Agricultural Experiment Station.

John C. Nye

Thurs, June 3, 1999 from 1:30-3:00 in 42 Earle Brown Center. 3:00-5:00 there will be a reception in the lower lobby.

Lawrence B. Schook

Thurs, June 10, 1999 from 1:30-3:00 in 133B-D Earle Brown Center. 3:00-5:00 there will be a reception in the upper lobby.

Charles C. Muscoplat

Thurs, June 17, 1999 from 1:30-3:30 in 42 Earle Brown Center. 3:00-5:00 there will be a reception in the lower lobby.

Harald von Witzke

Mon, June 21, 1999 from 1:30-3:00 in 155 Earle Brown Center. 3:00-5:00 there will be a reception in the upper lobby.

## SEMINARS/DISCUSSIONS

June 1

Plant Biological Sciences & Plant Molecular Genetics Institute Colloquium, Bruno Sobral, National Center for Genome Research, "Systems Approaches to Biological Knowledge," 3:30 p.m., 335 Borlaug.

Ph.D. Defense Seminar, Mike Olsen, "Genetic Analysis of Whole Kernel Methionine in Maize," 10:00 a.m., 408 Hayes.

June 3 Biotechnology Seminar, Dr. Teh-hui Kao, Professor, Penn State Univ., "How Flowering Plants Discriminate Between Self and Non-Self Pollen to Prevent Inbreeding - A Ribonuclease Story," 3:30 p.m., 335 Borlaug.

Soil, Water, & Climate Seminar, Carolyn McCullough, "Use of Cesium-137 as a Tracer in Erosion Studies," 2:30 p.m., 375 Borlaug.

June 7 Plant Biology Special Seminar, Dr. Hector Flores, Pennsylvania State University, "Thinking Like a Root: Integrating Underground Plant Biology with Indigenous Plant Knowledge," 10:00 a.m., 335 Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF WISCONSIN - EXTENSION

Agriculture Agent, Langlade County (Specializing in Grains & Vegetable Crops). Master's degree required with at least one degree in a field related to agriculture or agriculture education.

#### MONTANA STATE UNIVERSITY

Assistant/Associate Professor, Plant Biochemistry, Bozeman, MT. Doctoral degree in biochemistry, plant physiology or a closely related field is required.

#### SOUTHEAST MISSOURI STATE UNIVERSITY

Chairperson of the Department of Agriculture, Cape Girardeau, MO. Ph.D. in an agricultural or horticultural discipline required.

#### IOWA STATE UNIVERSITY

Assistant/Associate Professor, Extension Soil Management and Environmental Soil Scientist, Dept. of Agronomy, Ames, IA. Ph.D. in soil science or closely related field required, post-doctoral experience in environmental soil science and soil management is preferred.

Closing date: September 30, 1999

#### IOWA STATE UNIVERSITY

Assistant/Associate Professor of Plant Breeding (Quantitative Geneticist), Dept. of Agronomy, Ames, IA. Ph.D. in plant breeding or a related discipline is required.

Closing date: September 30, 1999

#### UNIVERSITY OF MINNESOTA

Youth Development Evaluation Educator and Researcher, Center for 4-H Youth Development. Ph.D. or equivalent is required

Closing date: July 1, 1999

#### SOUTH DAKOTA STATE UNIVERSITY

Extension Educator - Agronomy, Butte County, Belle Fourche, SD. Bachelor's degree in agriculture with a major in an agricultural field including coursework and/or experience in agronomy.



Min  
E. Ag. Soc.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

June 7, 1999

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## ANNOUNCEMENTS

Seminar and Methodological Workshop--The Farming Systems Group and The Minnesota Institute for Sustainable Agriculture present the last in a series of seminars and workshops examining the state-of-the-art in the systems approach as applied to agriculture and natural resource management. The seminar will be presented by Roger Samson, Executive Director, Resource Efficient Agriculture Production - Canada, "Biomass Cropping Systems Research and Development From Conceptualization to Commercialization," on Wednesday, June 9 at 9:00 am in 306 Borlaug Hall (Refreshments will be served). Roger Samson will also be available for individual appointments during the afternoon of June 9, please contact Nick Jordan (5-3754, [jorda020@tc.umn.edu](mailto:jorda020@tc.umn.edu)) if you are interested in speaking with Mr. Samson. The workshop entitled, "On-Farm Participatory Research Methods in Sustainable Agriculture: Our 14 Year Experience at REAP-Canada," will follow the seminar from 10:30 to noon in 408 Hayes.

Simplified Student Hiring Process--As part of an effort to streamline procedures for employing students at the University, the Office of Human Resources will implement a new student hiring process effective June 1, 1999. The changes simplify the hiring process as well and allow you additional options when hiring student employees. The information will be available for viewing on the web from the OHR home page at [www1.umn.edu/ohr/ohrpolicy/Student/](http://www1.umn.edu/ohr/ohrpolicy/Student/). The changes to the current hiring process include: the elimination of the posting requirement if there is an identified student that

a supervisor wishes to hire (student no-post SNP), students will be able to view the hiring department contact information from the job posting and apply directly for vacancies without initial screening from the Job Center, and the Quick Hire Form will be used in place of student referrals. If you have a current student position posted at the UofM Job Center, please note that as of June 1, we will begin displaying the first name, phone number and/or email address of the hiring authority on open positions displayed on the web. Students will be directed to contact the hiring authority to discuss the position and set up an interview. If you would like us to close your position, please call the UofM Job Center at (612) 625-2000. The new forms are available in 408 BH. See Marilyn if you need assistance.

Volunteer Opportunities in Agriculture--The Farmer-to-Farmer Program at the Bureau of Applied Research in Anthropology (BARA), University of Arizona, is working with Volunteers in Overseas Cooperative Assistance (ACDI/VOCA) in recruiting highly experienced, short-term (5 to 6 weeks, possibly up to 3 months depending upon assignment) volunteer technical consultants to assist in improving agricultural activities in Ethiopia, Kenya, Uganda and Tanzania. Project efforts are on-going over a 5-year period, and we are in need of experts in all areas of agriculture. Please check the job postings book in 411 Borlaug for the current positions available and additional information.

Dr. Arntzen and Dr. Kloppenburg Discussion Change--To avoid conflicts with Roger Samson's visit next week, we're going to move our discussion of the messages presented by Drs. Arntzen and Kloppenburg to Friday, June 11 from 12:00-1:00 p.m. in 408 Hayes Hall. Hope to see you there, Ray Kirsch.

**\*REMINDERS\***

Public Forums--Candidates for the position of Vice President for Agricultural Policy, Dean of the College of Agricultural, Food, and Environmental Sciences, and Director of the Minnesota Agricultural Experiment Station.

Lawrence B. Schook

Thurs, June 10, 1999 from 1:30-3:00 in 133B-D Earle Brown Center. 3:00-5:00 there will be a reception in the upper lobby.

Charles C. Muscoplat

Thurs, June 17, 1999 from 1:30-3:30 in 42 Earle Brown Center. 3:00-5:00 there will be a reception in the lower lobby.

Harald von Witzke

Mon, June 21, 1999 from 1:30-3:00 in 155 Earle Brown Center. 3:00-5:00 there will be a reception in the upper lobby.

**POSITIONS AVAILABLE**

(Positions in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**

Associate Professor - Woody Ornamental Plant Materials, Dept. of Horticulture, Forestry and Recreation Resources, Manhattan, KS. Ph.D. in horticulture is required with an emphasis in Woody Plant Materials.

Closing date: September 1, 1999

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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
June 14, 1999

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*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 resources upon which agriculture depends.*

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## ANNOUNCEMENTS

Waseca Summer Field Day--June 22, 1999.

Lamberton Summer Field Day--June 23, 1999.

Summer Access to Buford Ave--Parking and Transportation Services will reconstruct Buford Ave. in St. Paul during the summer. Project extends from the west leg of upper Buford Circle to Gortner Ave. Completion is anticipated before the beginning of fall semester, Sept. 7. Access to upper Buford Circle will always be available from Cleveland Ave. via the west leg of upper Buford Circle. See bulletin board for details or call Gayle Gedstad at 612-625-4312 with questions.

Field Days '99--  
Pipestone County, June 14, 1999:  
Introduction of Feed Peas and Feed Barley into Whole Farm Planning.  
Ken Winsel, Route 1, Box 172, Woodstock, MN 56186.  
Time: 2:00 p.m.  
Directions to Tour: From Woodstock go three miles north, one mile west, three-fourths mile north. Watch for signs!  
Additional Information: Lunch will be available.

Scott County, June 16-17, 1999:  
Native Minnesota Medicinal Herb Production Feasibility Study.  
Renne Soberg, PO Box 254 22100 Penn, Lakeville, MN 55044  
Time: 3:00-6:00 p.m. on June 16 and 1:00-6:00 p.m. on June 17.  
Directions to Tour: From I-35 travel to County 70 exit (Lakeville). Turn east off the exit, then turn south on County Road 5. Travel south about two miles, then turn west on County Road 29. Travel west about one mile to Penn Avenue. Turn north and go about one-half mile. The Soberg farm is on the west side of the road.

Additional Information: Small-Farm Herb Tour.  
There will be a guest lecturer on June 16, Joyce Wardwell who will speak about, "Medicinal Herbs and Integrating Them into the Landscape." If you are interested in attending please RSVP by calling Renne Soberg at 612-469-2527. On June 17, there will be a Grower Tour.

Crops and Soils Field Day--Tuesday, June 22, 1999.  
Registration begins at 7:30 am, Field Day hours are from 8:00 am to 2:30 p.m., Lunch is served from 11:00 am to 1:00 p.m.. The following is a list of the field tours (departing continuously from 8:00 to 11:30 am and from 12:45 to 2:00 p.m.):  
Tour I - Weed Management  
Tour II - Soybean Management  
Tour III - Crop Production  
Tour IV - Soil & Fertility Management  
Tour V - Horticulture/Master Gardener  
Tour VI - Livestock Events

At 12:15 p.m., Mike Yost, President, American Soybean Association, will be giving a presentation entitled, "GMOs and Trade Issues."

AGRO 5310--The AGRO 5310 trip to the Red Cardinal Farm is Tuesday, June 15, to depart shortly before 1:00 p.m. from the third floor street entrance of Borlaug Hall and return at 4:00 p.m.. Anyone is welcome to go along, please notify Jean Swanson (5-2740) if you would like to go.

### \*REMINDERS\*

Public Forums--Candidates for the position of Vice President for Agricultural Policy, Dean of the College of Agricultural, Food, and Environmental Sciences, and Director of the Minnesota Agricultural Experiment Station.

Charles C. Muscoplat

Thurs, June 17, 1999 from 1:30-3:30 in 42 Earle Brown Center. 3:00-5:00 there will be a reception in the lower lobby.

Harald von Witzke

Mon, June 21, 1999 from 1:30-3:00 in 155 Earle Brown Center. 3:00-5:00 there will be a reception in the upper lobby.

Volunteer Opportunities in Agriculture--The Farmer-to-Farmer Program at the Bureau of Applied Research in Anthropology (BARA), University of Arizona, is working with Volunteers in Overseas Cooperative Assistance (ACDI/VOCA) in recruiting highly experienced, short-term (5 to 6 weeks, possibly up to 3 months depending upon assignment) volunteer technical consultants to assist in improving agricultural activities in Ethiopia, Kenya, Uganda and Tanzania. Project efforts are on-going over a 5-year period, and we are in need of experts in all areas of agriculture. Please check the job postings book in 411 Borlaug for the current positions available and additional information.

#### SEMINARS/DISCUSSIONS

June 14 Plant Biology Special Seminar, Dr. Michael P. Timko, Univ. of Virginia, "The Bewitching Problem of Witchweed: Molecular Approaches to Understanding Striga-Host Interactions," 10:00 am, 335 Borlaug.

June 17 Plant Biology Special Seminar, Dr. James Anderson, Univ. of Toronto, "Evolution of Drug Resistance in the Yeast *Candida Albicans*," 10:00 am, 335 Borlaug.

#### POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

##### USDA-ARS

Multidisciplinary Plant Physiologist, Agronomist or Horticulturist, Vegetable and Forage Crop Production Research Unit, Prosser, WA.

##### NORTH DAKOTA STATE UNIVERSITY

Postdoctoral Research Fellow, Wheat Genetics and Breeding, Dept. of Plant Sciences, Fargo, ND. Ph.D. in genetics or plant breeding required.

##### MONTANA STATE UNIVERSITY

Postdoctoral Research Associate, Integrated Weed Management, Northwestern Agricultural Research Center, Kalispell, MT. Ph.D. in weed science, agronomy, plant ecology or closely related field is required.

##### ETH ZURICH

Professor in Grassland Science.

##### UNIVERSITY OF WISCONSIN

Associate Dean for Agriculture and Natural Resource Extension, College of Agricultural and Life Sciences, Madison, WI. Ph.D. and qualifications necessary to be tenured in a college department are required.

Closing date: June 15, 1999

##### UNIVERSITY OF CALIFORNIA

Assistant/Associate Specialist Agricultural Experiment Station - Cotton Agronomy/Genetics, Dept. of Agronomy and Range Science. Ph.D. or equivalent level of experience in agronomy and genetics or plant breeding.

##### UNIVERSITY OF MINNESOTA

Extension Educator and Instructor - On-site Sewage Treatment, Dept. of Biosystems and Agricultural Engineering. Bachelor's degree with an emphasis in a water resources related field required, master's preferred.

Closing date: July 7, 1999

miw  
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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
June 21, 1999

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## ANNOUNCEMENTS

Independence Day holiday observed Monday, July 5. Classes excused and University offices closed.

Summer Station Day at West Central Research & Outreach Center, Morris, Minn., Thursday, July 8. Registration starts at 7:00 a.m. Tours starting at 7:30 a.m. For details, see bulletin board outside 411 Borlaug Hall.

1999 Distinguished Staff Awards -- Doug Miller has been awarded the Civil Service/Bargaining Unit Staff Award (scientific category) along with Sharon Kill, Applied Econ (administrative category). Please join in honoring the achievements and contributions of our colleagues at a reception on Friday, June 25, 11:00 - 12:00 noon, B45 Classroom Office Building. (Announcement during Faculty Assembly at 10:45 - 11:00 a.m.)

-- The College of Agricultural, Food, and Environmental Sciences

1999 Promotions in Academic Rank -- For those who may not have already heard, congratulations are due to the following individuals who will be promoted in academic rank effective July 1, 1999:

To Professor --  
Roger Becker, Extension Agronomist - Weed Science  
Jeff Gunsolus, Extension Agronomist - Weed Science

To Associate Professor with Tenure --  
Greg Cuomo, Agronomist - Pasture Research

Newly elected Grad Club officers:

President -- Kristen Corselius  
Vice President -- Kristin Mercer  
Secretary -- Sheri Babb  
Treasurer -- Juan Diaz

U Housing and Residential Life has efficiency and 1- and 2-bedroom furnished apartments available in Wilkins Hall for rent to visiting faculty and guests of the University. Units are available on a temporary basis from June 15 until mid-August. Call (612) 624-4476 for more information.

Reminder to students that are graduating from our department -- Sign up for a one-year FREE membership in the college's Alumni Society/University of Minnesota Alumni Association. This is a great opportunity to learn more about the activities of our alumni programs and is available to both undergrad and graduate students. Graduates must activate the free membership by completing an application form which is available from Mary Buschette, Alumni Relations, 277 Coffey Hall or by calling UMAA at 624-2323.

1999-2000 Holidays (Total: 11)  
July 5, 1999, Monday, Independence Day observed  
September 6, Monday, Labor Day  
November 25, Thursday, Thanksgiving holiday  
\*\*November 26, Friday, Floating holiday  
December 24, Friday, Christmas Day observed  
\*\*December 27, Monday, Floating holiday  
December 31, Friday, New Years Day observed  
January 17, 2000, Monday, Martin Luther King holiday  
\*\*March 31, Friday, Floating holiday  
May 29, Monday, Memorial Day  
\*\*Unassigned, one personal floating holiday

\*\* Applies to the civil service and non-academic bargaining unit employees.

Window Screens -- Two window screens for Hayes Hall were found and are in the Extension Office. If you are missing your screens, please check with Pat Kessler.

Minnesota Department of Agriculture, Energy and Sustainable Agriculture Program -- Field Days '99. See bulletin board outside 411 Borlaug Hall or [www.misa.umn.edu](http://www.misa.umn.edu) for detailed information regarding numerous field days and tours held by farmers and researchers who have received grants from the Minnesota Sustainable Agriculture Grant Program.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MINNESOTA**

Postdoctoral position, Department of Plant Biology.  
Strong background in plant molecular genetics needed.

**UNIVERSITY OF MISSOURI**

Agronomy Specialist, Outreach and Extension, Marion County, Palmyra, MO. Earned Master's of Science degree or beyond in a field of study in agriculture, preference given to a concentration of course work and/or experience in agronomy and/or soil science.

Closing date: July 16, 1999

**AUBURN UNIVERSITY**

County Extension Agent, Lawrence County, Moulton, AL. Bachelor's degree in Agronomy or a related field is required. Master's degree preferred.

Closing date: July 9, 1999

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# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
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June 28, 1999

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## ANNOUNCEMENTS

Independence Day holiday observed Monday, July 5.  
Classes excused and University offices closed.

Congratulations to Polly and Dan Froehlich, the proud parents of a baby girl, Sarah Lynn, born on Sat., June 12th, at 3:05 p.m., 5 lbs, 19 inches. Her big sisters are Amy and Julie.

Tours scheduled at Northwest Experiment Station, Crookston, Minn., start from North Agronomy Farm, located one mile north from the junction of Hwy 2 and 75.

- Monday, July 12, 9:30 a.m., Small Grain and Sugarbeet Weed Control Tour, Dr. Bev Durgan, U of M, St. Paul and Dr. Alan Dexter, NDSU/UM, Fargo.

- Tuesday, July 20, 9:00 to 10:30 a.m. and 11:00 to 12:30 p.m., Small Grain Varieties Field Tour, Drs. Don Rasmusson, Jim Anderson, Ruth Dill-Macky, Kevin Smith and Bob Busch, U of M, St. Paul.

Window screens--Four window screens are missing from 408 Hayes Hall. Please check your offices for extra screens.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF NEBRASKA-LINCOLN  
Research Technologist, Department of Agronomy.  
Minimum qualifications: Bachelor's in range science, agronomy, biology or closely related field plus two years' experience in field research or related agricultural setting required. Master's preferred.

Closing date: July 2, 1999

## UNIVERSITY OF MINNESOTA

Head, West Central Research & Outreach Center, Morris, Minn. Minimum preparation: A Ph.D. degree in an agricultural or related science with a minimum of 8 years' experience in research.

Closing date: October 15, 1999

## P.T. LAZARUS & COMPANY

Plant breeder (corn). Report to Director of Hybrid Research located in Indiana. Prefer Ph.D. in plant breeding, but will consider an M.S. and solid field experience.

## ST. OLAF COLLEGE

Instructor or Assistant Professor of Biology, Northfield, Minn. Ph.D. or A.B.D. (all but degree) and demonstrated experience and ability in teaching.

## MISSISSIPPI STATE UNIVERSITY

Assistant Forage Specialist/Scientist, Department of Plant and Soil Sciences. Ph.D. in agronomy with emphasis in forages and grazing lands from an accredited institution of higher learning is required. Experience in Extension education and research focusing on forages and grazing lands is preferred.

Closing date: July 15, 1999

## UNIVERSITY OF WISCONSIN - EXTENSION

Horticulture Agent, Kenosha County, in Bristol, Wisc. Master's Degree required by start date, with academic preparation in a field directly related to horticulture.

Closing date: July 30, 1999

## UNIVERSITY OF ARKANSAS

Assistant/Associate Professor, System Agronomist, Northeast Research & Extension Center, Keiser, Arkansas. Ph.D. degree in crop production, plant physiology, plant breeding, soil fertility or other related discipline may be qualified, if they have strong computer, statistical, and field plot skills to address systems level problems.

Closing date: Until suitable applicant

**UNIVERSITY OF ARKANSAS**

Assistant or Associate Professor, Floriculture Physiology/Post-Harvest Management, Department of Horticulture, Fayetteville, Arkansas. Ph.D. in Horticulture, Plant Science, or related field with specialized training in floriculture and greenhouse management.

Closing date: August 15, 1999

**UNIVERSITY OF ARKANSAS**

Assistant or Associate Professor, Landscape Horticulture, Fayetteville, Arkansas. Ph.D. in Horticulture, Plant Science, or related field with specialized training in landscape horticulture required.

Closing date: August 15, 1999

**THE SUSTAINABLE FARMING ASSOCIATION OF MINNESOTA (SFA)**

Part-time Regional Coordinators needed for the SFA of MN's Dairy Diagnostic Team project.

Closing date: July 1, 1999



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# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
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July 6, 1999

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## ANNOUNCEMENTS

Internship Opportunity—Researching private incentives for wildlife and biodiversity with the Institute for Agriculture and Trade Policy (IATP). For more information about the internship, qualifications, and applying, please see the posting in the notebook in 411 Borlaug Hall or contact John Vickery at (612) 870-3430. For further information about other internship opportunities at IATP, contact Ms. Ven Mai Tran at (612) 870-3411 or [vtan@iatp.org](mailto:vtan@iatp.org).

House for Rent—Lovely, four bedrooms, furnished home in St. Anthony Park neighborhood (2186 Doswell Avenue), two blocks from UofMN St. Paul Campus. Available August 1<sup>st</sup>, eleven month lease (negotiable). The house is ideal for faculty or visiting professor with family. Please call (651) 649-0793 for more information.

Women in Agricultural Science—Bring your lunch and join us from 12:00-1:00, Thursday, July 8<sup>th</sup> in 491 Borlaug as we get together to discuss career issues facing women in science. All (men too!) students, staff, and faculty are welcome. For further information, contact Rhoda Burrows at 5-1949 or [rhodab@puccini.crl.umn.edu](mailto:rhodab@puccini.crl.umn.edu). Thanks!

Employee Career Enrichment Program—Work has changed at the University of Minnesota; Departments are reorganizing, new technology is blossoming, changes are occurring rapidly. How do you keep up – or even flourish? The Employee Career Enrichment Program can help! For more information about the workshops available and to register, please see the posting outside 411 Borlaug or visit [www.umn.edu/ohr/ecep](http://www.umn.edu/ohr/ecep).

Northwest Experiment Station—Crookston, MN – The NWES, UofMN, Crookston, will be hosting several tours in the coming weeks. Both tours will

originate from the North Agronomy Farm located one-mile north from the junction of Hwy 2 and 75. The first tour, “Small Grain and Sugarbeet Weed Control,” is scheduled for Monday, July 12, beginning at 9:30 am. The second tour, “Small Grain Varieties Field Tour,” is scheduled for Tuesday, July 20 with one tour running from 9:00-10:30 am and another from 11:00-12:30 am. For further information about the tours please contact Dr. Jochum Wiersma (218) 281-8629 or Dr. Larry Smith (218) 281-8602.

## \*REMINDERS\*

Morris Summer Field Day—Thursday, July 8<sup>th</sup>.

## POSITIONS AVAILABLE

(Positions in notebook in 411 Borlaug Hall)

UNIVERSITY OF MINNESOTA – EXTENSION  
Extension Educator, Agroforestry Development, Staples Agricultural Center, Central Lakes College, Staples, MN. Bachelor’s degree in a natural resources or agricultural field required; master’s degree preferred.

OREGON STATE UNIVERSITY  
Tree Fruit Scientist, Assistant or Associate Professor, Mid-Columbia Agriculture Research and Extension Center, Dept. of Horticulture, Hood River, OR. Ph.D. in horticulture or closely related field required with emphasis on plant physiology and/or integrated cropping systems management.

UNIVERSITY OF MINNESOTA  
Post-Doctoral Associate, Dept. of Soil, Water, and Climate, St. Paul, MN. Ph.D. required in related field.

# Agronomy Gleanings

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July 12, 1999

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## ANNOUNCEMENTS

Congratulations--Agustina Diaz, daughter of Juan and Valeria was born on July 3. She weighed 6 lb 6 oz and measured 19 inches. Baby and mom are doing well. Santiago, their 3-year old son, received the baby with great joy, too.

Horticulture Night--West Central Research and Outreach Center and Extension Service, Morris, July 22, 5:00 - 9:00 p.m. Will include tours and special demonstrations, plus a farewell salute to Gary Lemme at 7:30.

Faculty Representative for the Department of Women's Intercollegiate Athletics. The University of Minnesota Twin Cities Campus seeks applications and nominations for the appointment of a Faculty Representative for the Department of Women's Intercollegiate Athletics. This Faculty Representative, in concert with the representative for the Department of Men's Intercollegiate Athletics, has, as her/his principal duty, the representation of the University of Minnesota - Twin Cities at all athletics governing organizations of which the institution is a member. This position involves attending established meetings both on and off campus. The President of the University of Minnesota appoints the Faculty Representative for a term of six years, beginning Sept. 1, 1999. Nomination deadline is August 2, 1999 and application deadline is August 16, 1999. For a complete position description or additional information, call Vickie Courtney at 612-625-4805 or email (courtney@mailbox.mail.umn.edu).

## SEMINARS

July 19 M.S. Thesis Defense Seminar, "The effects and interactions of plant density and nitrogen topdressing on a cultivated wild rice crop" by Ray Kirsch, 1:00 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF CALIFORNIA

Licensing Associate/Officer, Office of Technology Transfer. A bachelor's degree or equivalent, preferably an advanced degree, in the agricultural sciences such as pomology, agronomy, horticulture, etc. Knowledge of licensing and plant patent and plant breeder's rights.

### UNIVERSITY OF MINNESOTA

Research and database manager. The Industrial Relations Center at the Carlson School of Management seeks a Coordinator to serve as research and database manager for its new Institute for Research on Work Systems and Human Resources. Advanced degree in Business, Economics, Psychology, or Statistics or relevant field with at least 3 years of relevant work experience required. Ph.D. preferred.

Closing date: July 19, 1999

### UNIVERSITY OF IDAHO

Camas County Extension Educator, Fairfield, Idaho. A Master's degree is required in Agronomy, Crop Science, Plant Science, Horticulture, Agricultural Education, Animal Science, or a related area.

Closing date: August 20, 1999

### OKLAHOMA STATE UNIVERSITY

Postdoctoral Research Fellow, Department of Entomology and Plant Pathology. Project Title: Grazing winter wheat for aphid, disease, and weed management. Ph.D. in Entomology, Animal Science, Agronomy, or related field required. Experience with field crop research, and knowledge of grazing systems preferred.

#### KANSAS STATE UNIVERSITY

Research Associate - Environmental Chemistry, Department of Agronomy, Manhattan, KS. Ph.D. in environmental or analytical chemistry or related discipline by start date, training and experience with NMR and <sup>14</sup>C-labeled compounds, and effective communication and interpersonal skills.

Closing date: October 1, 1999

#### NORTH DAKOTA STATE UNIVERSITY

Postdoctoral Research Fellow, Department of Plant Sciences, Fargo, ND. Weed physiologist to determine the mechanism of weed resistance to herbicides, with initial emphasis on selectivity in wild oat. Required qualifications include a Ph.D. in weed physiology, plant physiology, or closely related area; knowledge of herbicide mode of action and of plant growth regulation and reproduction.

Closing date: September 1, 1999

#### KONA GROWN GREENHOUSE

Assistant Farm Manager Internships in Agricultural Sciences and Ag - Product Market Development, Roy Y. Honda Farm, Captain Cook, Hawaii. B.S. Degree or higher in Horticulture or Agriculture-related sciences.

# Agronomy Gleanings

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July 26, 1999

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## ANNOUNCEMENTS

Women in Agricultural Science, Thursday, August 5, 12:00-1:00 p.m., 491 Borlaug Hall. Bring your lunch and join us for a discussion with Deb Martin and Bruna Bucciarelli regarding their experiences teaching at private colleges, and their insights into two-career marriages. All (men too!) students, staff, and faculty are welcome. For further information, contact Rhoda Burrows at 5-1949 or [rhodab@puccini.crl.umn.edu](mailto:rhodab@puccini.crl.umn.edu).

Farewell Coffee for Ray Kirsch, Friday, July 30, 10:00 a.m., 306 Borlaug Hall.

Farewell Reception for Virginia Engle, Thursday, July 29, 3:00 - 4:30 p.m., Minnesota Commons, St. Paul Student Center. Virginia will retire after 23 years of service to the University of Minnesota: 10 years with Anoka County Extension Service and 13 years with the U of M Extension Service and the College of Agricultural, Food, and Environmental Sciences. For questions, contact Stephanie Hencir, 625-7089.

International Plant Resistance to Insects (IPRI)-14<sup>th</sup> Biennial Workshop, Feb. 29 - Mar. 2, 2000, Fort Collins, Colorado. Graduate Student Research Symposium invites submissions of written abstracts for a 10-minute graduate student paper competition. The competition is open to students conducting research in all areas of host plant resistance to insects. Prizes will be awarded for first through fourth place: 1<sup>st</sup> place - \$400, 2<sup>nd</sup> place - \$300, 3<sup>rd</sup> place - \$200, 4<sup>th</sup> place - \$100. Enrollment will be limited, thus eligibility will be competitive and based on the submission of an abstract. Abstracts should be no more than 300 words and include a tentative title, the names and addresses of all authors, and a description of the topic and/or research finding the presentation would cover. Please submit abstracts and requests for additional information to: Dr. Cathy Sue Katsar ([csk11@cornell.edu](mailto:csk11@cornell.edu)) by August 1, 1999.

Obituary-Ralph Comstock, the first head of the University of Minnesota's genetics department, died Tuesday in Sun City, Ariz. He was 86. Comstock, who retired in 1981 as a Regents Professor Emeritus, was a pioneer in the field of quantitative genetics, a topic he cherished. He earned his bachelor's degree in agriculture from the University of Minnesota in 1934, a master's degree in animal husbandry in 1936 and a doctorate in animal breeding in 1938. He was appointed head of the genetics department after the formation of the College of Biological Sciences in 1965. Ralph was also a major contributor to our Plant Breeding Program. He is survived by his wife, Helen; children Mary Sue and John; and two grandchildren. Memorials may be sent to: Amnesty International, USA, Member Services, 322 - 8th Ave., New York, NY 10001. -St. Paul Pioneer Press

Housing Needed-Hakima Bahri is a visiting scientist in the Department of Agronomy and Plant Genetics. She is looking for housing for her and her family from August 15 to September 29, 1999. If you have any leads, please call Hakima at 625-5793.

## SEMINARS

July 28      PhD Defense, "Feasibility of Breeding Soybean for High Weed Suppressive Ability" by Jean-Luc Jannink, 9:00 a.m., 306 Borlaug Hall.

MISA & The Institute for Agriculture and Trade Policy & WUSA present "Payments to Farmers-Tools for Transition?" by Leo Joosten, 1:00 - 2:30 p.m., 306 Borlaug Hall.

July 29      PhD Defense, "Development of a marker-assisted selection program for nematode resistance in soybeans" by Joann Mudge, 9:00 a.m., 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MINNESOTA**

Communications Manager, Twin Cities Student Unions. Bachelor's Degree in Mass Communication, journalism or related field and a minimum of 2 years experience in communications, public relations, and editing required.

Closing date: 4:00 p.m., July 30, 1999

**OREGON STATE UNIVERSITY**

Vegetable Crops Extension Specialist, Assistant or Associate Professor level, Department of Horticulture, Corvallis. Ph.D. in horticulture or closely related field with experience/interest in vegetable production and physiology.

Closing date: August 15, 1999

**UNIVERSITY OF NEBRASKA-LINCOLN**

Research Technologist I, Department of Agronomy. Bachelor's with major in agronomy or closely related field plus one year experience in field research required.

Closing date: July 30, 1999

**UNIVERSITY OF NEBRASKA-LINCOLN**

Research Technologist I, Department of Agronomy. Bachelor's with major in agriculture, computer science, geography, or related field, plus one year of research experience required.

Closing date: July 30, 1999

**MCGILL UNIVERSITY**

Assistant Professor, Department of Plant Science, Quebec, Canada. Conduct research and teach in the area of agriculture and the environment. Ph.D. in a relevant field.

Closing date: October 1, 1999

**UNIVERSITY OF ILLINOIS**

Assistant Professor of Plant Pathology, Department of Crop Sciences, Urbana-Champaign. Ph.D. in plant pathology or a related discipline is required.

Closing date: October 1, 1999

**NOVARTIS AGRICULTURAL DISCOVERY INSTITUTE, INC. (NADI)**

Two research associate positions (San Diego, CA) are available to develop and apply efficient approaches to genome mapping, including large insert cloning, physical mapping, and positional cloning. BS or MS degree is required depending on experience.

**NORTH DAKOTA STATE UNIVERSITY**

Postdoctoral Research Fellow, Department of Plant Sciences, Fargo. Ph.D. in weed physiology, plant physiology or closely related area.

Closing date: September 1, 1999

**AGRICULTURAL MISSIONS, CHURCH WORLD SERVICE AND WITNESS** (based in New York) seeks an Agricultural Specialist/Network Liaison for Central and South America to carry responsibility for providing programmatic and technical assistance, training and information in agricultural and rural development to Agricultural Missions' partners in Central and South America. Master's degree in rural development discipline, agricultural expertise, and experience in rural development and working with peoples' organizations. Fluency in Spanish and English is required.

Closing date: September 15, 1999

**UNIVERSITY OF MINNESOTA**

Coordinator of Budget Services, College of Liberal Arts, Fiscal Administration, Minneapolis campus. Required Baccalaureate degree and five years of relevant work experience. Review of applications will begin July 26, 1999 until position is filled.

**BEARDEN & ASSOCIATES**

Executive Search Firm located in St. Louis, Missouri, is conducting several searches for qualified candidates for the opportunities listed below:

- Team Leader - Bioinformatics
- Bioinformatic Scientists
- Biostatisticians
- Analytical Chemists
- Molecular Biologists
- Scientific Programmer

**UNIVERSITY OF MINNESOTA**

Post-Doc Position in Soil Science. Opening for a Post-Doctoral Research Associate to conduct field research on land application of sugar beet waste. The position is for two years and involves monitoring of leachate and surface runoff after land application of sugar beet pulp at various rates. Minimum requirement: Ph.D. Degree in Soils, Agronomy or other related fields. Contact Carl Rosen (612-625-8114; crosen@soils.umn.edu) or Satish Gupta (612-625-1241; sgupta@soils.umn.edu) in the Department of Soil, Water, and Climate, University of Minnesota, 439 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108.

**PURDUE UNIVERSITY**

Soybean Breeding and Genetics Professional, Non-Tenured Position, Department of Agronomy, West Lafayette, Indiana. Ph.D. in plant breeding and genetics with experience in conducting a field breeding program.

Closing date: September 20, 1999

**USDA, ARS**

Research Geneticist (plants), U.S. Agricultural Research Station, Salinas, California. Lettuce research program. Ph.D. in horticulture, agronomy or genetics.

Closing date: August 9, 1999

MW  
S. Agblax

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
August 2, 1999

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Farewell Coffee for Silvia Maquiera and Flavio Capettini on Wednesday, August 4th at 3:00 p.m. in 306 Borlaug Hall. They have been here for seven years and have completed the M.S. and Ph.D. degrees, respectively. They plan to return to Uruguay August 5th.

Wedding Anniversary--Jerry and Carolyn Johnson invite you to please join with them in celebrating the 75<sup>th</sup> Wedding Anniversary of Iver and Bluebell Johnson, Saturday, August 14 at St. John's Social Hall, 434 Cleveland, Woodland, between 2:00 & 5:00 p.m. No gifts please. Dr. Iver Johnson was presented the Univ. of Minnesota's Outstanding Achievement Award on March 4, 1972. His career included positions at the University of Minnesota, Iowa State University and Cal/West Seeds.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**  
Extension Assistant - Crop Production, Dept. of Agronomy, Manhattan. B.S. in Agronomy or related discipline by start date, training and experience with field equipment and Microsoft FrontPage<sup>™</sup>.  
Closing date: September 1, 1999

**MICHIGAN STATE UNIVERSITY**  
Endowed Professorship, the John A. Hannah Professorship in Plant Genomics. The departmental home for this position is open and will be finalized based on the interests and expertise of the successful candidate; possibilities include the Departments of Biochemistry, Botany and Plant Pathology, Crop and Soil Sciences, Forestry, and Horticulture.  
Closing date: September 30, 1999

**KANSAS STATE UNIVERSITY**  
Assistant Scientist, Manhattan. Extension program designed to limit the spread and enhance the management of sericea lespedeza in Kansas. B.S. or M.S. degree in agriculture or biology.  
Closing date: August 23, 1999

**UNIVERSITY OF MINNESOTA**  
Part-time Senior Laboratory Technician position open (Civil Service Requisition number 836406) to grow, maintain and harvest oat plants grown in growth chambers and greenhouse. Other responsibilities include data recording and assistance with oat tissue culture initiation and maintenance. Please contact Kim Torbert or Dave Somers for more information.

**KANSAS STATE UNIVERSITY**  
Assistant Scientist/WEB Administrator, Dept. of Agronomy, Manhattan. M.S. in Engineering, Computer Science or related discipline.  
Closing date: August 19, 1999

**DELTA AND PINE LAND COMPANY**  
Cotton breeder. Ph.D. in plant breeding or related field and experience in running an aggressive conventional plant breeding program.  
Closing date: August 31, 1999

**DELTA AND PINE LAND COMPANY**  
Associate cotton breeder. Ph.D. in plant breeding or related field. Basic understanding of the newest breeding tools and how they can effectively be incorporated into a cotton breeding program.  
Closing date: August 31, 1999

**KANSAS STATE UNIVERSITY**  
Postdoctoral Research Associate, Manhattan. Study herbicide-resistant gene flow and fitness in *Helianthus* species. Ph.D. in genetic ecology, plant science, weed science, or related fields.  
Closing date: November 15, 1999

**MICHIGAN STATE UNIVERSITY**  
Assistant/Associate Professor in Turfgrass Management, Dept. of Crop and Soil Sciences, East Lansing. Ph.D. in Agronomy, Soil Science, Plant Science, Horticulture, or related field with specialized training in turfgrass science.  
Closing date: September 15, 1999

MW  
3Ag82a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu

August 9, 1999

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## ANNOUNCEMENTS

Greetings Agronomy Department! I have just returned from a week in the Chiapas highland community of Poconichim, located in the heart of the Zapatista conflict zone, 2 km from where 46 indigenous campesinos were massacred in December, 1997. I went to conduct interviews with coffee producers who are members of an organization called Union Majomut, a cooperative whose name means "place of birds" in Tzotzil, a Mayan dialect. It was a fascinating experience, and I thought that some of you might be interested in what I learned.

Chiapas is the most active coffee producing Mexican state in number of producers, land used in coffee production and tons of coffee produced annually. Typically, the geography of coffee growth is in a tropical 25-degree latitude belt on both sides of the equator. *Arabica* coffee, the most popular export species, grows best at altitudes between 3000 and 6000 feet. This means that the coffee regions are crisp and cool, with a surrounding flora of pine and other native tree species. Of Mexico's 280,000 coffee producers, 92% farm less than five hectares and the majority are resource-poor indigenous peoples, including those with whom Majomut works. The family's house where I lived had no running water and dirt floors where they slept at night side-by-side on coffee sacks. The family had very little food – they ate beans from last year's harvest, tortillas from their own ground corn, and eggs if they were available. The children (7) went barefoot for lack of shoes, and when there were no clothes at hand for growing children they ran around naked.

Majomut's growers live in the middle of a virtual war zone, where Zapatista Indian rebels and the Mexican military have been locked in an uneasy truce since an armed uprising in 1994. Venturing into this region I am stopped at military roadblocks and wait as the soldiers copy down the information in my research visa. The farmers in the region claim that they live in fear of their lives, and the military is highly visible as they roll by in green hummers and jeeps. The year of the massacre, many farmers lost their entire crop because they fled to nearby villages, or were too terrified to venture into their parcels to harvest the coffee. Unfortunately, these

conditions have not changed significantly. For a farmer who supports a family of 7 on the \$688 he earns each year (400 kg of organic coffee), this loss is a pretty big hit. Farmers who grow conventional coffee using agrochemicals and few soil conservation techniques make about 40 cents less per kg than organic growers, or an average of \$530 annually for the same 400 kg. I was told that the conflict still weakens production. Last year it cost Majomut more than 50 percent of its anticipated yield. Nevertheless, farmer's interest in organic production is increasing. In 1991, only 80 members were organic growers. Today, 700 out of 1,300 are growing coffee by certified organic means. I have found that the farmers have a good understanding that the organic methods they use are not only good for their pocketbooks, but are preserving their own health and that of their soil. I remain optimistic that as long as they have the support of the organic consumer, these farmers will continue to farm organically with an unequalled determination and competence.

See you all in September. – Julie Grossman

Agro 5310 Summer Tour—Please note there are spaces available. Contact Deon Stuthman if you would like to participate.

Fall Field Day, Thursday, August 12, 1999, Waseca, Minn.

Beef Forage Day, September 2, 1999, 9:30 - 1:00 p.m., Beef Forage Research Farm, Grand Rapids, Minn. For more information, call Russ Mathison 218-327-4352.

A vendor from Sweetheart Cup Company will be here August 18, 1999, from 10:00 - 11:00 a.m. in 306 Borlaug Hall. Bob Barry will be demonstrating various food supply plastic containers that can be used in the labs. If you have any need for plastic deli containers, storage containers, or any other type of food container (he has containers for use in tissue culture), please attend this demo.

SARE - Research and Education Grant Program call for proposals. Deadline is Sept. 10, 1999. See Jeanne Davy for instructions.

**POSITION ANNOUNCEMENTS**  
**(Posted in notebook in 411 Borlaug Hall)**

**KANSAS STATE UNIVERSITY**

Assistant or Associate Professor, Wheat Breeding and Genetics, Department of Agronomy, Manhattan, KS. Ph.D. in agronomy, genetics or closely related discipline with emphasis on cereal breeding and genetics.

Closing date: October 15, 1999

**THE CENTER FOR RURAL AFFAIRS**

Project Leader for Agriculture Policy Project located in Walthill, Nebraska. Experience with agriculture or agricultural policy, or environmental policy as it relates to agriculture is desirable.

**UNIVERSITY OF MINNESOTA**

Graduate Research Assistant, Center for Urban and Regional Affairs, "Developing an Educational Demonstration Farm and Curriculum: Eagle Bluff-CURA for RDC."

Closing date: August 13, 1999

**UNIVERSITY OF MINNESOTA**

Postdoctoral position, Center for Immunology, Department of Medicine. A strong background in molecular/cellular biology is desirable.



MW  
JAG/SLA

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
August 16, 1999

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## ANNOUNCEMENTS

Farewell Coffee for Jean-Luc Jannink today, August 16 at 3:00 p.m. in 306 Borlaug Hall.

Mohamed Oussible will be visiting the department, due to arrive sometime around Sept. 6<sup>th</sup>. Details to follow.

### \*\*REMINDER\*\*

A vendor from Sweetheart Cup Company will be here August 18, 1999, from 10:00 - 11:00 a.m. in 306 Borlaug Hall. Bob Barry will be demonstrating various food supply plastic containers that can be used in the labs. If you have any need for plastic deli containers, storage containers, or any other type of food container (he has containers for use in tissue culture), please attend this demo.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF WISCONSIN - EXTENSION

Natural Areas Management specialist, Wehr Nature Center, Milwaukee County Parks located in Franklin. Bachelor's degree required, Master's degree preferred in natural resources management, ecology, environmental science, conservation biology, restoration ecology, or related field.

Closing date: September 1, 1999

### UNIVERSITY OF MINNESOTA

Graduate Research Assistant. The Minnesota Center for Survey Research (MCSR) is a full service survey organization specializing in telephone and mail surveys for improving public policy in Minnesota.

Closing date: August 20, 1999

### DARTMOUTH COLLEGE

Assistant Professor - Tenure Track, Geography and Environmental Studies. Ph.D. in Geography, Environmental Studies, Sociology, Anthropology, or a related field.

Closing date: November 1, 1999

### THE MICHIGAN INTEGRATED FARMING SYSTEMS (MIFFS)

Project Coordinator for the new Marketline Project. Marketline is a pilot project providing technical assistance to expand market capabilities of entrepreneurial food-based ventures in Michigan. Bachelor's degree or equivalent competence in marketing, agriculture communications or related fields.

Closing date: August 20, 1999

### THE INSTITUTE FOR AGRICULTURE AND TRADE POLICY (IATP)

Program Director for Environment and Agriculture Program. Minimum of five years' experience in management of an agricultural, forestry or environmental program or organization.

Closing date: September 15, 1999

### LAND STEWARDSHIP

Project Coordinator, White Bear Lake, MN. Multiple Benefit Analysis Project with farmers, university and government agency researchers and others that crosses disciplinary boundaries between natural sciences, economics and sociology.

Closing date: August 18, 1999

### THE UNIVERSITY OF GEORGIA

Assistant Professor/Extension Agronomist - Forages, Department of Crop and Soil Sciences, Tifton. Ph.D. in Agronomy, Crop Science, Range Management, or related field with emphasis on forage production, management and utilization.

Closing date: November 30, 1999

### WYFFELS HYBRIDS, INC.

Product Development Research Scientists responsible for corn product identification and characterization through replicated hybrid testing, other related research, and data analysis/interpretation. Position 1: Ph.D. in Plant Breeding, Position 2: M.S. in Plant Breeding or Agronomy, both with experience in corn preferred.

**UNIVERSITY OF IDAHO**

Assistant Professor - Biological Control of Weeds,  
Department of Plant, Soil, and Entomological Sciences  
within the Division of Entomology, Moscow, ID. Ph.D.  
in entomology, insect ecology, or related field, with an  
emphasis on Biological Control.

Closing date: October 1, 1999

**UNIVERSITY OF IDAHO**

Assistant Professor - Weed Science, Department of Plant,  
Soil and Entomological Sciences within the Division of  
Plant Sciences, Moscow, ID. Ph.D. in weed science or  
closely related field with primary emphasis in weed  
science.

Closing date: October 1, 1999

# Agronomy Gleanings

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August 23, 1999

MIA  
9/15/99

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## ANNOUNCEMENTS

College seniors, first-year graduate students, and others who have completed some graduate study in science, mathematics, or engineering should consider applying for National Science Foundation Graduate Research Fellowships. Fellowships are for 3 years and are awarded for study and research leading to master's or doctoral degrees in the mathematical, physical, biological, engineering, and behavioral and social sciences, including the history of science and the philosophy of science, and for research-based Ph.D. degrees in science education. Additional awards will be offered to encourage women to undertake graduate study in the sciences. The application deadline is Nov. 4, 1999. Additional information regarding the program and the application process is available in the main office.

The dates for the 1999 MN State Fair are Thurs., Aug. 26 – Mon., Sept. 6. For security reasons, the campus access points at the following intersections will be closed during off-work hours: Larpenteur and Gortner, Roadway between Ag. Engineering and Classroom Office Bldg., Commonwealth and Gortner, Commonwealth and Boyd, and Cleveland and Carter. The entrances at the Folwell/Cleveland and Buford/Eckles intersections will be open after hours to those with a valid U of MN I.D. Call Lt. Listul, 4-3550, Campus Police, with questions.

## SEMINAR

Dept. of Biosystems & Agricultural Engineering  
"Development of the Connection between Education, Research, and Demonstration in On-Site Sewage Treatment Education Programs." Presented by candidates for the position of Ext. Educator and Instructor. 225 BioAgEng Bldg., SPC.

Thurs., Aug. 26: 10:45-11:30, Christine Voigt  
2:15-3:00, Sara Heger  
Fri., Aug. 27: 10:45-11:30, Keith Anderson  
2:15-3:00, Mark Wespetal

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF MINNESOTA

The MISA office has a Principal Secretary position available. An application may be obtained at the office for Human Resources, 170 DonhoweB. For further questions, please call the MISA office (5-8235).

### OREGON STATE UNIVERSITY

Postdoctoral/Research Associate – Cereal Genetics Research, Corvallis, OR. Ph.D. in plant breeding, genetics, or related discipline, previous experience with introgression, germplasm, DNA-based markers, and QTL mapping preferred.

Closing date: August 23, 1999

### UNIVERSITY OF CALIFORNIA RIVERSIDE

Assistant Professor – Biochemistry. Teaching (undergrad and graduate) and appointment in Agricultural Experiment Station (research in plant molecular biology). Ph.D. and postdoctoral experience required.

Closing date: October 1, 1999

J.C. ROBINSON SEED CO., GOLDEN HARVEST  
Agronomy Research Site Manager, Waterloo, NE.  
MS with 3-5 years experience, or a Ph.D. Evaluation of hybrids and soybean varieties in response to different agronomic practices, as well as project budget management.

# Agronomy Gleanings

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August 30, 1999

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## ANNOUNCEMENTS

Congratulations to Dave and Robin Plank, whose baby girl, Kaelyn Elizabeth, was born August 11. Kaelyn weighed 7 lbs. 13 oz. and was 19.5 inches long at birth, and both she and Robin are doing fine.

Yanping Zhu and Jim Ong are the proud parents of a new baby boy. Brandon Joel Ong was born Tuesday, August 24 and weighed 8 lbs. 7.2 oz. and was 21" long. Congratulations to Yanping and Jim.

The USDA CSREES National Research Initiative Competitive Grants Program (NRI) is pleased to announce that its Program Description for FY 2000 is now available on the NRI home page at <http://www.reeusda.gov/nri>. Among the programs described therein are the following new programs: Biology of Weedy and Invasive Plants (November 15 deadline), Biology of Plant-Microbe Associations (January 15 deadline), and Agricultural Plant Biochemistry (February 15 deadline). In addition, the Epidemiological Approaches to Food Safety Program, which was announced in a supplemental program description in FY 1999, is now included in this document with a January 15 deadline (Note: this is a change from FY 1999). Please read the Program Description for information on these and other NRI programs.

Questions regarding NRI documents or programs can be directed to the NRI at (202) 401-5022 or [nricpg@reeusda.gov](mailto:nricpg@reeusda.gov).

Bulletin from U of M Addressing and Mailing Services: UPS can't deliver packages to a Post Office Box due to U.S. Postal Service rules. Beginning September 8, an address correction charge will be assessed for each P.O. Box address that UPS must search and forward. If UPS finds a forwarding address, a correction charge will be applied whether or not UPS is able to complete the delivery. If UPS cannot find an address for the consignee, the package will be returned at no additional charge. For ground packages, the address correction charge is \$5; for air

and international packages, the cost is \$7.50. Most rural addresses that once had a box number for an address have now been converted to street/highway addresses.

The St. Paul Campus Bowling Association has room for a few more teams or individual bowlers who would like to join a team. The Student Center Gopher Spot will host a pre-season open house, complete with free bowling and free treats, on September 9 at 5:30 p.m. If you have ever thought of fielding a team, if your department is not represented, or if you are just curious, come, get to know some of the veterans and have some free fun.

The league is open to SPC faculty, support staff, and grad students. You don't have to have four bowlers who bowl every week - most teams have eight-ten members from which four bowlers are rounded up each week. There are some very good bowlers in the league but most are amateurs. Bowling happens on Wednesday or Thursday nights from September 22 - mid April. If you have questions, contact Sylvia Holtberg (625-1296, [holtberg@tc.umn.edu](mailto:holtberg@tc.umn.edu)) or Dale Nordquist (625-6760, [dalenordquist@cffm.agecon.umn.edu](mailto:dalenordquist@cffm.agecon.umn.edu)).

College seniors, first-year graduate students, and others who have completed some graduate study in science, mathematics, or engineering should consider applying for National Science Foundation Graduate Research Fellowships. Fellowships are for three years and are awarded for study and research leading to master's or doctoral degrees in the mathematical, physical, biological, engineering, and behavioral and social sciences, including the history of science and the philosophy of science, and for research-based Ph.D. degrees in science education. Additional awards will be offered to encourage women to undertake graduate study in the sciences. The application deadline is November 4, 1999. Additional information regarding the program and the application process is available in the main office.

The dates for the 1999 MN State Fair are Thursday, August 26 – Monday, September 6. For security reasons, the campus access points at the following intersections will be closed during off-work hours: Larpenteur and Gortner, Roadway between Ag. Engineering and Classroom Office Bldg., Commonwealth and Gortner, Commonwealth and Boyd, and Cleveland and Carter. The entrances at the Folwell/Cleveland and Buford/Eckles intersections will be open after hours to those with a valid U of MN I.D. Call Lt. Listul, 4-3550, Campus Police, with questions.

The Department has received a copy of "The Wisconsin Integrated Cropping Systems Trial" for 1997 and 1998. If you would like to review the report, please check in 411 Borlaug Hall.

Beef Forage Day will be held at Grand Rapids Research Farm from 9:30 a.m. to 1:00 p.m. on September 2. For more information, please call Russ Mathison at 218-327-4352.

Southwest Research & Outreach Center Fall Field Day will be Wednesday, September 8 from 8:00 a.m. to 2:30 p.m. in Lamberton.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

##### UNIVERSITY OF MINNESOTA

The MISA office has a Principal Secretary position available. An application may be obtained at the office for Human Resources, 170 DonhoweB. For further questions, please call the MISA office (5-8235).

##### UNIVERSITY OF MINNESOTA

Assistant to the Head, Dept. of Family Social Science. Administrative and budgeting duties, bachelor's degree required, master's preferred.  
Closing date: September 13

##### UNIVERSITY OF MINNESOTA

Assistant to the Director, Twin Cities Student Unions. Administrative and budgeting duties, bachelor's degree and 3 years experience required.  
Closing date: September 7

##### UNIVERSITY OF CALIFORNIA, RIVERSIDE

Assistant Professor of Biochemistry. Research in plant molecular biology, graduate and undergraduate teaching.

Closing date: October 1

##### LOUISIANA STATE UNIVERSITY

Assistant Professor, Department of Experimental Statistics, College of Agriculture. 40% teaching, 30% research in theory and methods of applied statistics, 30% collaborative research and consulting.

Closing date: October 1

##### WASHINGTON STATE UNIVERSITY

Assistant Scientist, Weed Science, Irrigated Agriculture Research and Extension Center (Prosser, WA). Research in weed management and sustainable approaches to agriculture.

Closing date: January 31, 2000

##### WASHINGTON STATE UNIVERSITY

Assistant Soil Scientist/Extension Specialist, Dept. of Crop and Soil Sciences, Pullman, WA. Research on nutrient availability, cycling, and management.

Closing date: January 31, 2000

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

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September 7, 1999

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## ANNOUNCEMENTS

Levi James Anderson was born August 27 to Jim and Janet Anderson, 7 lbs., 10 oz., 20.5 inches long. Mom and baby are doing great. Levi has two 2-year-old brothers, Evan and Isaac. Congratulations!

### Ph.D. Thesis Defense

Clara Pritsch, "Early molecular responses of wheat spikes to *Fusarium graminearum* infection and histology of the infection process," Wednesday, September 8 at 10:00 a.m. in 491 Borlaug Hall.

### Computer Lab

We will be changing the keypad combination for the computer lab on Thursday, September 9. We will be doing this once every semester in order to limit unauthorized users and reduce the chance of theft. In order to enter the lab after Sept 8th you will need to register as a computer lab user. There will be sign-up sheets in both the Agronomy/Plant Genetics (411 Borlaug) and Plant Pathology (495 Borlaug) offices. You can start signing up and learning the new password on Wednesday, September 1.

### Public Lecture

The Freeman Center for International Economic Policy, Hubert H. Humphrey Institute of Public Affairs and the U.S. Department of Agriculture are pleased to invite you to a public lecture by His Excellency Jacques Diouf, Director-General, United Nations Food and Agriculture Organization on "The State of World Agriculture," Friday, September 10, 1999, 2:30 p.m. to 4:00 p.m., 3M Auditorium, Carlson School of Management, University of Minnesota, Minneapolis campus. Introductory remarks by The Honorable August Schumacker, Jr., U.S. Under Secretary of Agriculture for Farm and Foreign Agricultural Services. Reception following. For more information, please contact Ms. Leah Johnson (612) 626-0564.

### Undergraduate Internship Program

The Supercomputing Institute for Digital Simulation and Advanced Computation at the University of Minnesota is pleased to announce they are able to provide an Undergraduate Internship Program for Summer 2000 for undergraduate students (national, state, and University of Minnesota). The program's objective is to promote undergraduate involvement in ongoing and new research in scientific computing, digital technology, and visualization in the physical, medical, and social sciences and engineering and in new software development efforts for scientific computing and graphics support for such research with the main goal being to carry out useful and interesting research. This program provides an opportunity for a challenging and enriching educational experience for undergraduate students interested in pursuing graduate or professional education and research in scientific computing and/or graphics. Summer appointments will be full-time, ten-week appointments. The 2000 program will run from June 12 through August 18, 2000. Undergraduates will work with faculty from various disciplines on a wide variety of projects. To obtain more information and an application form and project list, access their World Wide Web site at [www.msi.umn.edu/general/Programs/uip/uip.html](http://www.msi.umn.edu/general/Programs/uip/uip.html) or phone (612) 626-7620. DEADLINE FOR APPLICATIONS IS FEBRUARY 28, 2000.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### AUBURN UNIVERSITY

Assistant Professor, Turfgrass Management. Ph.D. in plant or soil sciences. Closing date: November 15, 1999.

### BIODIAGNOSTICS, Inc.

Manager of DNA Technologies. Ph.D. or M.S. with a minimum of five years experience in biochemistry, molecular biology, genetics, or related field.

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
September 20, 1999

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## WELCOME

We welcome Dr. Scott Jackson and his family (wife Julie and daughter Emily) to the Department of Agronomy and Plant Genetics. Scott is working as a postdoctoral scientist with Ron Phillips and Raymie Porter on wild rice molecular genetics. Scott comes from the University of Wisconsin where he worked with J. Jiang in the Department of Horticulture. He brings extensive experience in using the latest techniques in chromosome and DNA analysis.

We also welcome Dr. Vladimir Portyanko, recently arrived Research Associate in the labs of Ron Phillips and Howard Rines. He will be working on oat molecular marker associations for crown rust resistance and seed quality traits. Vlad most recently was a visiting scientist at Iowa State University with much of his career spent as an oat geneticist at the Ukrainian Academy of Agricultural Science in Kiev.

## ANNOUNCEMENTS

Heidi Carol Mickelson, a Ph.D. candidate with the wheat breeding project, died September 12, 1999, at her home in St. Paul, MN. She began pursuing a Ph.D. in advance of moving to Mexico with her husband, Hal. In Mexico, she worked on the research component of her Ph.D. program, conducting a collaborative study involving the wheat breeding program from the U of M and the wheat program at CIMMYT Int. Her hope was that wheat varieties tracing to her research would have higher protein content and better quality, improving the diet of people living in third world countries. Memorial services for Heidi were held Thursday, September 16 at Rose Hill Alliance Church, Roseville, MN and funeral services were Saturday, September 18 at Hillside Baptist Church in Dickinson, ND.

Sincere Thanks to the Agronomy Department--Thanks to everyone in the Department for their support and friendship. The azalea plant is absolutely stunning. We greatly appreciate how kind everyone has been during this period. --Bob and Mavis Busch

Congratulations to Roger Caspers, research plot coordinator on the oat breeding project. On Friday, Roger will be presented a "Rising Star Award" from the University of Minnesota Alumni Association for outstanding service to the alumni association including serving as co-chair of this year's Homecoming breakfast. Roger would like to see you all at the breakfast!

The North Central Soybean Research Program (NCSRP) is seeking research preproposals for fiscal year 2000. The Board is requesting preproposals that develop solutions to problems that are common to soybean growers in the North Central states. Preproposals will be accepted until Friday, October 22, 1999. See Jeanne Davy for more information.

### ATTENTION GREENHOUSE USERS:

Everyone needs to do their own watering Wednesday, Thursday, and Friday, September 22, 23 and 24.

Kuehnast Lecture Series, Dept. of Soil, Water, and Climate, Friday, September 24, 1999, 3:30 p.m., 335 Borlaug Hall. This year's lecture will be presented by Dr. John Norman, Univ. of Wisconsin-Madison, "Evapotranspiration: From Canopies to Continents."

COAFES Health and Safety Training Session, Chemical Hygiene/Lab Safety, presented by Dawn Errede, Department of Environmental Health and Safety (DEHS), Tuesday, September 28, 10:30-12:00 noon, B35 Classroom Office Building. All students, staff and faculty are invited to attend.

## SEMINARS

- Sept. 21 Forage Management Position, Dr. Marvin Hall, "The Role of the University Forage Management Specialist in Shaping the Minnesota Forage Industry of the 21<sup>st</sup> Century," 9:00 a.m., 306 Borlaug Hall.
- Sept. 24 Brown Bag, Greg Lefebvre, MN Dairy Producers, 12 noon, 306 Borlaug Hall.
- Sept. 27 Applied Plant Sciences, "Experiential Learning from the Inside-Out: The Case of the Agroecosystems Analysis Field Course," Dr. Steve Simmons and student panel, 3:30 p.m., 306 Borlaug Hall.

## THE MINNESOTA DEPARTMENT OF AGRICULTURE

Student Worker/Intern, Integrated Pest Management. Must be a college/university junior, senior or graduate student with course work in plant biology, entomology, plant pathology, agronomy, public policy related to agriculture and/or other agriculturally related fields of study.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF CALIFORNIA, DAVIS

Post Graduate Researcher, Sustainable Agriculture Research and Education Program, Biologically Integrated Farming Systems (BIFS) and Alternatives to Methyl Bromide. Ph.D. or M.S. in an agricultural or related science.

### NORTH DAKOTA STATE UNIVERSITY

Tenure track, Potato Breeding, Department of Plant Sciences, Fargo. Ph.D. in plant breeding or related discipline with demonstrated expertise in plant breeding, genetics, and germplasm enhancement. Closing date: November 15, 1999.

### BIODIAGNOSTICS, INC.

Manager of DNA Technologies, Ellsworth, WI. MS degree required with a minimum of 5 years of experience in Biochemistry, Molecular Biology, Genetics, or a related field.

### SEWAGE SLUDGE FERTILIZER AND FARMER LIABILITY

Paid Internship to investigate the liability implications (including liability from potentially contaminated crops; ground/surface water contamination; soil degradation) for farmers and food producers who use sewage sludge as a fertilizer product, as well as potential legal options for farmers who feel they have been adversely impacted by sludge use.



# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
September 27, 1999

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Sunflowers are ripe and ready for bird seed, decorations, etc. Help yourself in Field X12 (off Fairview Avenue).  
Mike

Agronomy and Plant Genetics FALL SOCIAL, Friday, October 1<sup>st</sup>, 2:30 - 4:30 p.m., 306 Borlaug Hall. Everyone is invited to attend this annual event. This is a great opportunity to get together with your colleagues and meet new members of the department. Delicious refreshments will be served. Cost is \$2.00 per person. FREE for new staff, students, and faculty.

Fall Social Decorations--For the Fall Social on Friday, October 1<sup>st</sup>, we invite/request/urge all interested Agronomy members to bring in flowers, crops, or other interesting harvest items (even giant vegetables or seed art!). Items can be from your field work or your own garden. All contributions will be arranged and displayed in 306 Borlaug for the festivities. You can bring your items to 306 Borlaug Friday morning (labeled Fall Social and your name) and we will take care of the rest. If you have questions, call Ruby Larson (5-5215). Let's see what you've been growing this summer!

NOTE: Graduate School Grants-in-Aid Research Proposals are due Oct. 4, 1999. See Jeanne Davy for further info.

**\*\*REMINDER\*\***

COAFES Health and Safety Training, Chemical Hygiene/Lab Safety, Dawn Errede, Dept. of Environmental Health and Safety (DEHS), Tuesday, September 28, 10:30-12:00 noon, B35 Classroom Office Building.

Biological Sciences, Special Symposia, "Developmental and Evolutionary Perspectives in Plant Anatomy and Morphology," Tuesday, September 28, 1:00-4:15 p.m., Earle Brown Center.

- 1:00 p.m., Judy Jernstedt, Department of Agronomy and Range Science, University of California, Davis, "Meristems, Merophytes, and Morphogenesis: Shoot Development in *Selaginella*."

- 2:00 p.m., Andrew Douglas, Department of Biology, University of Mississippi, "The Developmental and Evolutionary Basis of Novel Floral Morphologies."

- 3:15 p.m., Nancy Dengler, Department of Botany, University of Toronto, "Kranz Anatomy: Structure, Development, and Evolution."

- 4:15 p.m., College of Biological Sciences alumna Shirley Tucker will receive the Outstanding Achievement Award.

## SEMINARS

October 1      Brown Bag, Cristine Handel, Ph.D. Student, Agronomy and Plant Genetics, "Back Home Program," 12 noon, 306 Borlaug Hall.

October 4      Applied Plant Sciences, Dr. James Luby, Dept. of Horticultural Science, "Marker-assisted Selection in Perennial Crops - Can it Make Dollars and Sense?," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF ARKANSAS  
Assistant/Associate Professor, Environmental Impact of Organic Chemicals, Fayetteville. Ph.D. in an environmental or agricultural science with research experience in pesticide or other organic residues in water, soil, and plants. Closing date: December 3, 1999.

UNIVERSITY OF MINNESOTA

Program Coordinator - Regional Sustainable Development Partnership, Statewide Coordinating Committee, College of Agricultural, Food, and Environmental Sciences, St. Paul. Master's degree required. Closing date: November 1, 1999

THE LAND STEWARDSHIP PROJECT

Organizing and Communications Intern, White Bear Lake, MN. General knowledge and interest in a sustainable food system and healthy communities. Closing date: October 3, 1999.

UNIVERSITY OF MISSOURI

Agronomy Specialist, Outreach & Extension, Palmyra, MO. Master's of Science degree in a field of study in agriculture. Closing date: November 15, 1999.

# Agronomy Gleanings

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October 4, 1999

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## ANNOUNCEMENTS

Greenhouse Users--Starting today, the first Mondays of the month will be designated as clean-up/watering day. Thanks for your help.

Thank you for the lovely fall bouquet of flowers sent in memory of Dennis. During a time like this we realize how much our friends really mean to us. Your expression of sympathy will always be remembered.  
--Evelyn Warnes and Family

Birth Announcement--Michael J. Pineda was born Sept. 26th (7 pounds, 21 inches). Proud parents are Renan Pineda, corn physiology project, and Marlene Pineda, resident in dental school. Michael's brother Erick is 6 ½ years old and in first grade and his sister Joyce is 5 and in kindergarten.

## SEMINARS

October 5 Forage Management Position, Dr. Vance Owens, South Dakota State Univ., "The Role of the University Forage Management Specialist in Shaping the Minnesota Forage Industry of the 21<sup>st</sup> Century," 9:00 a.m., 306 Borlaug Hall.

Plant Biological Sciences, Dr. Dorothy Shippen, Texas A&M Univ., "Telomeres and Telomerase in Plants," 3:30 p.m., 335 Borlaug Hall.

October 7 Forage Management Position, Dr. Paul Peterson, Virginia Tech, "The Role of the University Forage Management Specialist in Shaping the Minnesota Forage Industry of the 21<sup>st</sup> Century," 9:00 a.m., 306 Borlaug Hall.

WUSA, Dr. Luis Garcia-Barrios, "Problems Present in Marginal Indigenous Agricultural/Forestry Systems in the Chiapas Highlands," 11:30 a.m.-12:30 p.m., 306 Borlaug Hall.

October 8 Brown Bag, Dr. Stan Stevens, Dept. of Applied Economics, 12 noon, 306 Borlaug Hall.

October 11 Small Grains Pathology Position, Dr. Hala Toubia-Rahme, North Dakota State Univ., "Wheat and Barley Diseases in West Asia and North Africa Region: Relevance and Management Strategies," 11:00 a.m., 491 Borlaug Hall.

Applied Plant Sciences, Dr. Gregg Johnson, Southern Research & Outreach Center, Waseca, "Integrated Weed Management: What is Next?," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF ARKANSAS  
Research Specialist in Pedology, Dept. of Crop, Soil & Environmental Science, Fayetteville. B.S. in soil science or equivalent.

Closing date: October 10, 1999

UNIVERSITY OF GUELPH  
Assistant Professor, Dept. of Plant Agriculture, Horticultural Research Institute of Ontario. Ph.D.  
Closing date: November 15, 1999

UNIVERSITY OF ALBERTA

The Department of Agricultural, Food and Nutritional Science, Edmonton, is seeking applications from qualified individuals for three academic positions related to plant research and teaching.

Closing date: November 30, 1999

MW  
Ag Bio

# Agronomy Gleanings

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October 11, 1999

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## ANNOUNCEMENTS

### Gopher Crops and Soils Club annual pumpkin and gourd sale.

Will deliver or you can pick your own. Large-\$4; medium-\$3; small-\$2; gourds-3/\$1; small mini pumpkins-\$0.50. Order forms in 411 Borlaug Hall.

Greenhouse Users: Since the participation in the last clean-up day was so poor, we are going to have another one this Friday. ALL greenhouses should be swept. Users are responsible for weed control on benches and in pots. Clean up broken pots, including ones you have thrown outside. Please dispose of soil in pots which plants have not germinated. All garbage should be dumped in the dumpsters. THESE THINGS ARE A CRITICAL COMPONENT OF INSECT AND RODENT CONTROL!! Thanks for your help and cooperation. Don't forget to water when you are done.

### American Society of Agronomy Meeting Presenters- Contributed Talk and Poster Practice Dry Runs.

Our department has a reputation for making excellent presentations at the ASA meetings. Yes, it is that time again already. I am pleased to invite all authors presenting at the ASA meeting in Salt Lake City to present their talk or poster in a DRY RUN Session. Please inform me at [somers@biosci.cbs.umn.edu](mailto:somers@biosci.cbs.umn.edu) when during Monday, October 18, 8:00 am - noon; Tuesday, October 19, 8:00 am - 2:00 pm; or Wednesday, October 20, 8:00 am - 5:00 pm you would like to present your talk or poster. Departmental personnel are expected to participate in the dry runs. This is an excellent and convenient way to learn about research in the department and your input is a great help. The more feedback the presenters can get at this stage, the better their presentation will be at the ASA meeting.

-Dave Somers

## SEMINARS

October 12 Plant Biological Sciences, Nevin Young, Depts. of Plant Pathology and Plant Biology, "Deciphering the Language of Disease Resistance Genes," 3:30 p.m., 335 Borlaug Hall.

October 13 COAFES Health and Safety Training, "Hazardous Waste," Andy Phelan, Dept. of Environmental Health and Safety, 2:00 p.m., 197 McNeal Hall.

Soil, Water, and Climate, Francis Zvomuya, SWAC, "Nitrogen Use Efficiency in Crop Production: Achievements and Challenges," 3:00 p.m., 375 Borlaug Hall.

October 15 Brown Bag, Dick Levins, "Farm Programs," 12 noon, 306 Borlaug Hall.

October 18 Plant Molecular Genetics Institute Discussion, Bob Brambl, 12 Noon, 239 Gortner Lab.

Applied Plant Sciences, Paul Porter, Southwest Research and Outreach Center, Lamberton, "Questioning the Corn-Soybean Rotation," 3:30 p.m., 306 Borlaug Hall.

October 19 Soil, Water and Climate, Dr. Matthew McCallum, visiting post-doctoral fellow, CSIRO Plant Industry, Canberra, Australia, "The Use of Alfalfa to Sustain Crop Productivity on Australian Farms," 10:30 a.m., 375 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MINNESOTA**

Temporary Research Fellows (masters degree) and/or Research Associates (doctorate degree), Dept. of Soil, Water, and Climate.

**UNIVERSITY OF MINNESOTA**

Assistant Professor, Dept. of Horticultural Science, St. Paul. Ph.D. or equivalent in Horticulture, Agronomy, Plant Science, or related discipline with specialization in turfgrass science.

Closing date: November 30, 1999

**MONTANA STATE UNIVERSITY**

Research Associate in Pea Genetics, Plant Sciences Dept., Bozeman. M.S. degree in plant molecular biology or related field.

Closing date: October 22, 1999

**SOUTH DAKOTA STATE UNIVERSITY**

Program Leader for Agriculture, Natural Resources, and Field Operations, Cooperative Extension Service, Brookings. M.S. and 10 years of experience or an earned doctorate in agriculture or related discipline plus three years of previous Extension or related experience.

Closing date: November 1, 1999

**THE FOOD ALLIANCE**

Program Director and Office Manager. Full job descriptions are posted at [www.thefoodalliance.org](http://www.thefoodalliance.org).

**THE FOOD PROJECT**

Urban Agriculture Production Manager and two Grower's Assistants. Full job descriptions are posted at [www.thefoodproject.org](http://www.thefoodproject.org).

# Agronomy Gleanings

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October 18, 1999

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## ANNOUNCEMENTS

Gopher Crops and Soils Club annual pumpkin and gourd sale. Will deliver or you can pick your own. Large-\$4; medium-\$3; small-\$2; gourds-3/\$1; small mini pumpkins-\$0.50. Order forms in 411 Borlaug Hall.

ScienceWorks! U of M scientists are wanted to participate in the 3<sup>rd</sup> year of ScienceWorks!, an NSF-supported, 5-year reform project in K-8 science in the Minneapolis Public School System. An orientation session for scientists and engineers interested in learning how they can participate in ScienceWorks! will be held on Tuesday, October 26, from 3:15-5:15 p.m. in the President's Room, 320 Coffman Union. Please RSVP by Friday, October 22 to Jody Martin at 626-0214 or [jmartin1@uc.umn.edu](mailto:jmartin1@uc.umn.edu).

University of Minnesota Outstanding Achievement Award honoring Kenneth J. Kasha. On Tuesday, October 26, 1999, at 3:00 p.m. in room 335 Borlaug Hall, The Board of Regents of the University of Minnesota and the College of Agricultural, Food, and Environmental Sciences will honor Kenneth J. Kasha. "Development of Haploid Systems in Cereals" will be presented by Dr. Kasha at 3:30 p.m., followed by a reception in room 306 Borlaug Hall. Please RSVP to Karen King at 612-624-4285 by October 19.

Horace T. Morse-University of Minnesota Alumni Association Awards for Outstanding Contributions to Undergraduate Education. Each year since 1965, the University of Minnesota has recognized a select group of faculty members for their outstanding contributions to undergraduate education. This honor is awarded to exceptional candidates nominated by colleges in their quest to identify excellence in undergraduate education. In addition to honoring individual faculty members, the award contributes to the improvement of undergraduate education at the University by

publicizing their work to serve as a resource for the whole faculty. Nominees will be evaluated in 5 categories: teaching, advising, research and artistic activities, academic program development, and educational leadership. More information is available in 411 Borlaug Hall. Deadline is January 28, 2000.

Award for Outstanding Contributions to Postbaccalaureate, Graduate, and Professional Education. Each year since 1998, the University of Minnesota recognized a select group of faculty members for their outstanding contributions to postbaccalaureate, graduate, and/or professional education. Nominees will be evaluated in 4 categories: excellence in instruction; involvement with students in research, scholarship, and professional development; development of postbaccalaureate, graduate, and/or professional instructional programs; advising and mentoring of students. More information is available in 411 Borlaug Hall. Deadline for nominations is January 28, 2000.

Medical and Dental Plans. Open enrollment for changes in medical and dental plans runs from October 16 through November 15, 1999. See Jeanne Davy for carrier information brochures and provider directories. This year you can: Select a new medical or dental plan (if you have Medica Primary or Prudential DMO you MUST choose a new plan); add or cancel family coverage for medical or dental; add or increase long-term disability insurance; enroll in dependent care or health care reimbursement accounts; increase additional employee life and spouse life insurance; increase short-term disability insurance. Watch for details of the Employee Health and Benefits Fairs being held on October 26 in Minneapolis and October 27 in St. Paul.

## SEMINARS

- October 19 Soil, Water and Climate, Dr. Matthew McCallum, visiting post-doctoral fellow, CSIRO Plant Industry, Canberra, Australia, "The Use of Alfalfa to Sustain Crop Productivity on Australian Farms," 10:30 a.m., 375 Borlaug Hall.
- Entomology, Ian MacRae, "Site Specific IPM—Coming Soon to a Field Near You!," 3:00 p.m., 490 Hodson Hall.
- Plant Biological Sciences, Tina Thornton, "The SPY who O-GlcNAc'd me," 3:30 p.m., 335 Borlaug Hall.
- October 21 Agronomy and Plant Genetics, Rex Bernardo, Purdue Univ., candidate for corn breeding and genetics position, "Selection for a Quantitative Trait: What if We Knew All the Genes in Corn?," 2:00 p.m., 306 Borlaug Hall.
- October 22 Brown Bag, Pierre Robert, Soil, Water and Climate, "Precision Agriculture," 12 noon, 306 Borlaug Hall.
- October 25 Applied Plant Sciences, Ryan Hayes, Grad. Student, Horticultural Science, "Reduction of Phytate-P in Feed Crops," 3:30 p.m., 306 Borlaug Hall.
- October 27 Plant Pathology, Dr. Malcolm C. Shurtleff, E.C. Stakman Award Recipient, "Expanding the University to the Public," reception at 3:15 p.m., lecture at 4:00 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Agricultural Officer, Seed and Plant Genetic Resources. Advanced university degree in agricultural or biological sciences, seven years of progressively responsible professional experience in technical and policy work related to plant genetic resources conservation and use. Closing date: December 1, 1999.

### UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Associate Professor of Soybean Systems Management. Ph.D. in crop science or a closely related discipline. Closing date: December 15, 1999.

### KANSAS STATE UNIVERSITY

Graduate Research Assistantship, Soil Physics. B.S. or M.S. in Soil Science, Water Science, Hydrology, Agronomy, or related discipline.

### UNIVERSITY OF KENTUCKY

Assistant/Associate Professor of Agronomy. Ph.D. in Soil Science, Agronomy, Geochemistry, or a closely related discipline. Closing date: November 12, 1999.

### UNIVERSITY OF MISSOURI, LINCOLN OUTREACH & EXTENSION

Agronomy Specialist. M.S. or beyond in agronomy and/or soil science, with college level courses in production agriculture. Closing date: November 11, 1999.

### SOUTH DAKOTA STATE UNIVERSITY

County Extension Educator-Agronomy. Bachelor's Degree in Agriculture with a major in an agricultural field including course work and/or experience in agronomy. Closing date: October 29, 1999.



MW  
Jag86a

# Agronomy Gleanings

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October 25, 1999

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## ANNOUNCEMENTS

**PLEASE KEEP ALL GREENHOUSE DOORS LOCKED!!**

Congratulations to David LeGare on receiving the University of Minnesota, Crookston (UMC) Outstanding Alumni Award. This award is in recognition of his outstanding achievement, personally and in his profession.

Employee Health and Benefits Fair, Wednesday, October 27, 10:00 a.m. to 3:00 p.m., North Star Ballroom, St. Paul Student Center.

Fourth Annual Harvest - Bowl Farmer's Share Breakfast, only \$0.50, Saturday, October 30, 1999, 7:00 - 9:30 a.m., St. Paul Student Center, 2017 Buford Ave. Also: Silent and Live Auction, Children's Activities, and Little Red Oil Can Award.

Beautiful U Clean-out for 1999 is Wednesday, October 27. Two carts will be outside of 411 Borlaug Hall for disposal of the following material:

1) Files and Office Paper. Loose office papers and manila folders are acceptable. Some newspaper clippings, glossy paper (magazine articles, glossy brochures, post-it notes, adhesive labels) are acceptable. DARK or BRIGHTLY colored papers, TRANSPARENCIES, 3-RING BINDERS, PLASTIC REPORT COVERS and GREEN HANGING FOLDERS are NOT ACCEPTABLE.

2) Electronics, Re-usables and Scrap Metal. One bin will be provided for disposal of small electronic equipment such as computer components, computer monitors, calculators, small laboratory equipment, printers, small office equipment, etc. Generally if it's electric in any way it is acceptable. Place only items in this container that can be easily lifted in and out. If any of the equipment has an inventory number on it, the number must be turned in to JUDY. If you have questions, please let me know.

-Jeanne Davy

Outstanding Achievement Award Ceremony for Dr. Kenneth J. Kasha, Univ. of Guelph, Tuesday, October 26 at 3:00 p.m., 335 Borlaug Hall. Seminar at 3:30 p.m. in 335 Borlaug Hall and reception at 4:30 p.m. in 306 Borlaug Hall.

Dept. of Plant Pathology E.C. Stakman Award Lecture, "Expanding the University to the Public," Dr. Malcolm C. Shurtleff, E.C. Stakman Award Recipient, Wednesday, October 27, 3:15 p.m. reception, 4:00 p.m. lecture, 306 Borlaug Hall, St. Paul campus.

Free Campus Parking After Hours is available on the Univ. of Minnesota Twin Cities campus Monday through Friday evenings and all day Sunday (Saturdays not included). Enter after 8:00 p.m. and exit before 8:00 a.m. at the following locations and park free: Gortner Ave Ramp (when completed in Fall, 2000); Fourth Street Ramp; Oak Street Ramp; Washington Ave Ramp (nights only, no Sundays); Nineteenth Ave Ramp; Twenty First Ave Ramp. The program is not in effect during special events; call 626-7275 for event dates. The free weeknight and Sunday parking program is intended to facilitate students returning to campus in the evening and on Sundays to study or conduct research and also to welcome the public to see historic buildings, visit museums and tour the campus. And, for people heading downtown for an event (like at the Metrodome), park free at the University and ride downtown on a Metro Transit bus.

There has been and will continue to be free parking after the attendant leaves from those lots on the St. Paul campus that are staffed by an attendant. This includes lots 101 and 104, free parking from 8:00 p.m. until midnight M-F and all day Sunday. Lots 106 and 109 have an attendant on duty until 10:30 p.m., M-F, but if someone stayed until after 10:30 there would be no charge. If you have questions or comments, please contact Scott Anderson, U of M Parking and Transportation Services, 624-5001.

## SEMINARS

- October 26 Special Applied Plant Sciences, Dr. Kenneth J. Kasha, Univ. of Guelph, "Development of Haploid Systems in Cereals," 3:30 p.m., 335 Borlaug Hall.
- October 27 WUSA, Kristen Nelson, Departments of Forest Resources, and Fisheries and Wildlife: "Struggling Toward Sustainability: Participatory Science and Sustainable Development in Mexico," 11:30 a.m., 408 Hayes Hall.
- October 29 Brown Bag, No Seminar.
- November 1 Applied Plant Sciences, No Seminar. ASA Meeting.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### COLORADO STATE UNIVERSITY

Director/Seed Analyst Colorado Seed Laboratory, Instructor, Dept. of Soil and Crop Sciences. B.S. required with emphasis on seed physiology, seed technology or a related science. AOSA/SCST certificate preferred.

Closing date: November 15, 1999

### UNIVERSITY OF ARKANSAS

Assistant/Associate Professor, Environmental Impact of Organic Chemicals, Dept. of Crop, Soil and Environmental Sciences, Fayetteville, AR. Ph.D. in an environmental or agricultural science with research experience in pesticide or other organic residues in water, soil and plants is required.

Closing date: December 3, 1999

### UNIVERSITY OF ARKANSAS

Research Specialist in Soil Microbiology, Dept. of Crop, Soil and Environmental Sciences, Fayetteville, AR. B.S. or M.S. degree in an area directly related to soil microbiology such as soil science, microbiology, agronomy, or biology.

Closing date: December 4, 1999

### UNIVERSITY OF ARKANSAS

Research Specialist in Wheat Breeding, Dept. of Crop, Soil and Environmental Sciences, Fayetteville, AR. B.S. or M.S. in agronomy or related field.

### AMERICAN SOCIETY OF AGRONOMY

Candidates for 2000-2001 Congressional Science Fellowship Program. Information available at [www.agronomy.org](http://www.agronomy.org).

Closing date: March 1, 2000

### THE NATIONAL RESEARCH COUNCIL

Applications sought for postdoctoral and senior research associateship awards for 2000. Deadlines for application: January 15, April 15, and August 15, 2000.

### ILLINOIS STEWARDSHIP ALLIANCE

Sustainable Ag Executive Director, Rochester, IL. Bachelor's degree.

Closing date: Nov. 19, 1999

### RICE UNIVERSITY

Faculty positions, Dept. of Biochemistry and Cell Biology, Houston, TX. Must have completed a doctoral degree and have postdoctoral training.

Closing date: November 1, 1999

### WESTERN ILLINOIS UNIVERSITY, USDA, ARS

Assistant Professor of Agriculture in plant breeding/alternative crops, Macomb, IL. Earned doctorate in agronomy/plant breeding or closely related discipline is required.

Closing date: January 10, 2000

7/10  
EAGLE

# Agronomy Gleanings

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November 1, 1999

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## ANNOUNCEMENTS

**ATTENTION GREENHOUSE USERS:** The cleanup/watering days are going to CHANGE from Monday's to Friday's. It seems like everyone needs the week to see the Gleanings. I will be gone this Friday so I thought this would be a good time to begin. The cleanup/watering days will be as follows: Friday, November 5th, December 3rd, January 7th, February 4th, March 5th, April 2nd, May 7th, June 4th and so on. Please be sure to sweep, dispose of garbage (to dumpsters), clean up any benches that aren't being used, dirty pots and containers all go on the dirty pot rack in the head house and don't forget to pull weeds in the pots and on the bench tops. This all helps considerably for insect and rodent control. Thanks for your help and cooperation!!! Pam

**The Dodge Caravan**, # 2273, lease has expired and will not be replaced at this time. Only the blue pickup # 3660 will be available for checkout. You can rent vehicles at St. Paul Fleet Services for any length of time as needed. Call 5-5730 for reservations. Mike

**Fulbright Award**—Julie Grossman, a graduate student in our department, has been awarded a Fulbright grant to investigate nitrogen fixation in organic coffee systems in Chiapas, Mexico. Julie is one of approximately 2000 U.S. grantees who will travel abroad for the 1999/2000 academic year through the Fulbright Program.

**The 19th Annual Crop Pest Management Short Course** will be held on November 22-23 at the Earle Brown Continuing Education Center located on the St. Paul campus. This program is designed for agricultural professionals, such as private crop consultants, agronomists, agrochemical representatives, soil conservationists, seed company sales/agronomists, and extension educators. This two-day program provides in-depth, high quality coverage of contemporary issues in crop pest management and crop production. The morning

general session of November 22, entitled "Agriculture Biotechnology: From Seed to the Global Supermarket Shelf" will address several GMO topics including seed biotechnology, identity preservation at the elevator, marketing, and food labeling. Four breakout sessions will run concurrently in the afternoon of November 22. The four breakout sessions will be grouped under four headings: 1) Soybean Cyst Nematode, 2) The Changing Rural Economy: What will be its Impacts?, 3) Diagnostic Procedures for Nutrient Management, and 4) Farmland Drainage. On November 23, concurrent sessions will cover a variety of topics such as weed resistance to herbicides, soil fertility management, soybean diseases, tillage systems, transgenic development in corn rootworm control, economic assessment of Bt corn, plus several others related to pest management and crop production. Undergraduate and graduate students may find attending this program enlightening as to what happens to research based information that is transferred to agriculture professionals. Students who wish to attend this program will be allowed a price break from the normal \$120 fee. Currently enrolled University of Minnesota students interested in attending the program can attend for a fee of \$50 (includes two lunches, refreshment breaks, proceedings). Those who wish to attend can contact Kevin Cavanaugh, IPM & Ag Professional Program Coordinator at 625-2778; 203A Hayes Hall. Brochures will be available at department offices. If you plan to attend, you must indicate "special student fee \$50" on the registration form to take advantage of the reduced fee. You may register in advance or at the door for the special rate. **SPECIAL DEAL:** If you find that you would like to attend just a certain session but not the entire program, please contact Kevin Cavanaugh to make arrangements. Seating is limited and seating priority is given to those who have paid.

## SEMINARS

- November 3 WUSA, Perry Aasness, Assistant Commissioner, Minnesota Department of Agriculture, "Federal Dairy Policy and Its Impact on Minnesota Dairy Farmers," 11:30 a.m., 408 Hayes Hall.
- November 5 No Brown Bag Discussion.
- November 8 Applied Plant Sciences, David Zlesak, "Incongruity and the Potential of Congruity Backcrossing," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### WESTERN ILLINOIS UNIVERSITY

Assistant Professor of Agriculture, Macomb, IL. Earned doctorate in agronomy/plant breeding or closely related discipline required. Closing date: January 10, 2000.

### USDA, ARS

Physical Science Technician, Watkinsville, GA. Closing date: November 22, 1999.

### USDA, ARS

Biological Science Technician, Microbiology, Watkinsville, GA. Closing date: November 22, 1999.

### KANSAS STATE UNIVERSITY

Graduate Research/Teaching Assistant, Soil Fertility, Dept. of Agronomy, Manhattan, KS. B.S. or M.S. degree in Soil Science, Agronomy or closely related discipline.

### UNIVERSITY OF MINNESOTA

Graduate Student or Undergraduate Assistant for Rural Environmental Decision-Making Study sought by Sociologists in Endowed Chair in Agricultural Systems.

### NATIONAL CAMPAIGN FOR SUSTAINABLE AGRICULTURE

Organizer to work on a variety of policy advocacy activities, Pine Bush, NY.

### COLUMBIA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Agricultural Conservation Specialist, Ghent, NY. Minimum requirement: Assoc. degree and 5 years experience in Natural Resources, Agriculture or closely related field. Closing date: December 10, 1999.

### KANSAS STATE UNIVERSITY

Assistant Scientist, Southwest Research-Extension Center, Tribune, KS. B.S. in Soil Science, Agronomy, or related field with a strong background in the application of science principles and technology to agricultural production problems. Closing date: December 1, 1999.

### UNIVERSITY OF ARKANSAS

Research Specialist, Cotton Germplasm Enhancement, Fayetteville, AR. B.S. (M.S. preferred) with specialization in a biological science and a strong interest in plant science. Closing date: December 1, 1999.

### WASHINGTON STATE UNIVERSITY

Extension Leader for Small Scale and Urban Agriculture, Research and Extension, Puyallup, WA. Master's degree with a combination of education and experience in agricultural sciences, biological sciences, public policy, land use/land conservation, geography, rural sociology, agricultural anthropology, agricultural economics, adult education, business, sustainable agriculture, or related fields. Closing date: February 2, 2000.

MW  
8-19-86

# Agronomy Gleanings

Department of Agronomy and Plant Genetics -- University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
November 8, 1999

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## ANNOUNCEMENTS

### **Congratulations to Dave and Sue LeGare!**

On November 2, at 8:25 a.m., Katie Rose LeGare was born. She weighed 9 lb 8 oz and was 21.5 in long. Two and a half year old Laura is excited to have a baby sister. Both mother and baby were expected to go home from the hospital on Friday.

**Congratulations to Dr. JoAnn Lamb**, who has been promoted to a GS-13, Research Geneticist.

**Condolences to Ruby Larson and family** on the death of her father, Victor Larson.

### **SSU-UM Teaching and Research Position Interviews.**

The following individuals will be interviewing on the St. Paul Campus for the SSU-UM teaching and research position:

- November 12: Phil Copeland
- November 17: Byron Sleugh
- November 19: Deb Muenchrath

**Minnesota Corn Growers Association** has moved to a new location: Jenny Eldredge, Communication and Research Manager, Minnesota Corn Growers Association, 738 First Ave. E., Shakopee, MN 55379; ph: 612/233-0333, fax: 612/233-0420; <http://www.mncorn.org>.

### **Sloppy Joe Lunch and Turkey Raffle.**

The annual Grad Club-sponsored Sloppy Joe Lunch and Turkey Raffle will be held Thursday, November 18.

## SEMINARS

November 9 Plant Biological Sciences, Keith Walker of Kimeragen Inc., "Chimeraplasty in Plants," 3:30 p.m., 335 Borlaug Hall.

Brown Bag, Wynne Wright, "Is the Game Over? Family Farms in Advanced Capitalism," 12:00 noon, 306 Borlaug Hall.

November 10 Corn Breeding and Genetics Position, Dr. Albrecht Melchinger, University of Hohenheim, Germany, "Genetic Basis and Breeding for Resistance Against Sugarcane Mosaic Virus in European Maize," 9:00 a.m., 306 Borlaug Hall.

WUSA, Tom Walsh and Gabriela Flora, Internship Presentation, "Public Perceptions of Genomic Technology," 11:30 a.m., 408 Hayes Hall.

November 11 BPTI, Anthony Strauss, Acting Assistant Vice President of Patents and Technology Marketing, "Intellectual Property and the Academic Researcher," 3:30 p.m., 102 Mechanical Engineering, Minneapolis Campus.

November 12 SSU-UM Teaching and Research position, Philip Copeland, 9:00 a.m., 306 Borlaug Hall.

Brown Bag, Tom Anderson, Minnesota Wheat Research and Promotion Council, 12:00 noon, 306 Borlaug Hall.

November 15 Applied Plant Sciences, Lynn Litterer, "Paramutation and Transgene Silencing: Two Sides of the Same Coin," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (posted in 411 Borlaug Hall)

### UNIVERSITY OF GUELPH

Assistant Professor - Plant Bioinformatics, Department of Plant Agriculture. Ph.D. degree in an appropriate discipline and postdoctoral experience preferred. Closing date: January 28, 2000.

### UNIVERSITY OF GUELPH

Assistant Professor - Plant Genomics, Department of Plant Agriculture. Ph.D. degree in an appropriate discipline and postdoctoral experience preferred. Closing date: January 28, 2000.

### WASHINGTON STATE UNIVERSITY

Director, Center for Precision Agricultural Systems, College of Agriculture and Home Economics. Ph.D. in a field related to precision agricultural systems. Closing date: January 3, 2000.

### MONSANTO

Research Associate, Corn Research Station, Evansville, IN. MS in Agronomy/related field and three years ag research experience or a BS and 5 years experience.

# Agronomy Gleanings

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November 15, 1999

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## ANNOUNCEMENTS

### Thank You

My family and I would like to express our thanks to the department and all who have offered their support after the death of my father. The plant basket that was sent to my mother was greatly appreciated. It is good in a difficult time to have such friendship and support. Ruby Larson

Congratulations to Zhang Xiaoguo and his wife on the birth of their daughter, Ainen, 8 lbs. 4 oz. on Monday, November 8.

### SSU-UM Teaching and Research Position Interviews

The following individuals will be interviewing on the St. Paul Campus for the SSU-UM teaching and research position:

November 17: Byron Sleugh  
November 19: Deb Muenchrath

### Sloppy Joe Lunch and Turkey Raffle

The annual Grad Club-sponsored Sloppy Joe Lunch and Turkey Raffle will be held Thursday, November 18 from 11:45-1:00 in 306 Borlaug Hall. Buy your raffle tickets from the graduate students for \$1.00. Lunch is \$3.00. Everyone is welcome.

**University of Minnesota - Graduate Minor in Bioethics** for Doctoral and Masters Students. The Graduate Minor in Bioethics is designed for University of Minnesota graduate students interested in deepening their knowledge of the ethical

issues surrounding science. For more information, contact the Center for Bioethics Site, N504 Boynton, 410 Church Street SE, Minneapolis, MN 55455-0346; Ph.: 612-624-9440; E-mail: [bioethx@tc.umn.edu](mailto:bioethx@tc.umn.edu); Web: <http://www.med.umn.edu/bioethics/>

**Sponsored Projects Administration** (along with Sponsored Financial Reporting and Patents and Technology Marketing) have moved. New address is: University Gateway, 200 Oak Street SE, Suite 450, Minneapolis, MN 55455-2070. Telephone numbers, fax numbers, and e-mail addresses have not changed.

**Coffman Union** will be closed for renovation November 15.

**The University of Minnesota** will be closed Thursday, November 25 and Friday, November 26 for the Thanksgiving Holiday.

## SEMINARS

November 16 Plant Biological Science, Douglas Cook, What's New with Symbiotic Nitrogen Fixation: The Use of Comparative Biology to Understand the Rhizobium - Legume Symbiosis, 3:30 p.m., 335 Borlaug Hall.

November 16 COAFES Health and Safety,  
Respiratory Protection - Mike  
Austin, Department of  
Environmental Health and  
Safety, 10:30-11:30 am, 45  
Classroom Office Building.

November 17 WUSA, Julie Grossman,  
What You Should Know  
About Your Joe: Organic  
Coffee Production in  
Chiapas, Mexico, 11:30 a.m.,  
408 Hayes Hall.

Horticulture, Dr. Nigatu  
Tadesse, Farm Incubator  
Program at the University of  
Minnesota, 3:30 p.m., 415  
Alderman Hall.

November 19 Brown Bag, Mike  
Youngerberg, MN Soybean  
Growers, 12:00 noon, 306  
Borlaug Hall.

November 22 Applied Plant Sciences,  
Kristin Mercer, TBA, 3:30  
p.m., 306 Borlaug Hall.

### **POSITION ANNOUNCEMENTS (posted in 411 Borlaug Hall)**

#### **CAROLINA FARM STEWARDSHIP**

Executive Director to coordinate board activities, implement policy, and execute other activities on behalf of the Association.

#### **KANSAS STATE UNIVERSITY**

Assistant Scientist, Department of Agronomy. B.S. or B.A. degree in chemistry, environmental chemistry, or closely related field. Closing date: January 3, 2000.

#### **MICHIGAN STATE UNIVERSITY**

Assistant/Associate Professor in Soybean Genetics, Department of Crop and Soil Sciences. Ph.D. in plant genetics and have experience in plant breeding.

#### **IMMIGRATION TASK FORCE OF MINNESOTA**

Coordinator. Conduct outreach to inform potential members of the work being done, compile information on immigration trends and immigration policy issues, assist the steering committee with writing grants proposals, etc. Closing date: December 3, 1999.

#### **OREGON STATE UNIVERSITY**

Extension Horticulturist, Department of Horticulture. M.S. in horticulture and technical skills in orchards, vegetable crops, vineyards, and landscape settings. Closing date: November 19, 1999



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November 22, 1999

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## ANNOUNCEMENTS

LCMR Request for Proposal for funding beginning July 2001 has been received. Due date for proposals is February 1, 2000. For information, see Jeanne.

Minnesota Soybean Research and Promotion Council Research proposals are due in the College office on December 3, 1999. For information, see Jeanne.

Minnesota Soybean Research and Promotion Council FY'00 Extension, Education and Applied Research Projects are due in the College office on December 17, 1999.

The University of Minnesota will be closed November 25 and November 26 for the Thanksgiving Holiday.

House for Sale: Three + bedrooms, 2700 + sq. feet finished. Contact Bill Lueschen at 651-490-0983.

## SEMINARS

November 22 Applied Plant Sciences, Kristin Mercer, Increasing the Micronutrient Content in Crop Plants: Vitamin E, Iron, and Genomics, 3:30 p.m., 306 Borlaug Hall.

November 23 Plant Biological Sciences, Zigang Cheng, Temperature-Regulated and Tissue-Specific Expression of Arabidopsis Tubulin Genes, 3:30 p.m., 335 Borlaug Hall.

December 3 Brown Bag, Will Anthony, Farming From Different Perspectives, 12:00 noon, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (posted in 411 Borlaug Hall)

### BIODIAGNOSTICS, INC.

Supervisor of ELISA Testing Laboratory. M.S. in biochemistry, molecular biology or genetics. Laboratory experience in ELISA testing protocols, and educational background in basic and applied genetics.

### UNIVERSITY OF KENTUCKY

Assistant Professor, Department of Agronomy. Ph.D. in weed science, plant physiology, or agronomy. Tenure-track, 12-month appointment. Closing date: February 20, 1999.

### OHIO STATE UNIVERSITY

Turfgrass Science Management, Department of Horticulture and Crop Science. Ph.D. in horticulture, agronomy, plant science, or plant physiology. Closing date: February 1, 2000.

### PURDUE UNIVERSITY

Head, Department of Agronomy. Ph.D. and tenure rank of professor. Excellent interpersonal, communication, decision-making, and administrative skills.

### UNIVERSITY OF TENNESSEE

Dean, College of Agricultural Sciences and Natural Resources and Agricultural Experiment Station. Ph.D. and appointment as professor with tenure.

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# Agronomy Gleanings

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December 13, 1999

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## REMINDER

Department Holiday Potluck featuring favorite holiday dishes and food drive donations, Thursday, December 16 (Note: day has been changed), Noon - 2:00 p.m., 306 Borlaug Hall. The price is \$2.00 or \$1.00 with a food shelf donation. Potluck receiving is from 8-9:00 a.m., 302 Borlaug Hall. Join us for the festivities!

## ANNOUNCEMENTS

University offices closed Friday, December 24; Monday, December 27; and Friday, December 31.

Department Cookie Party—The office staff will hold their annual cookie party on Monday, December 20, from 9:00 a.m. to 12 noon in the main office (411 Borlaug Hall). Everyone is welcome.

Toys for Tots Drive began Monday, December 6 and ends Friday, December 17 at 4:00 p.m. The department will be joining with the St. Paul Student Center and the U.S. Marines to collect toys to be distributed during the holiday season. A box is located in 411 Borlaug Hall. Please consider making a donation to this worthwhile cause. Thank you.

Forestry Club has a tree lot on the corner of Cleveland and Larpenteur. They have trees, garlands, wreaths and more. Open from 10:00 a.m. to 8:00 p.m. Monday through Friday and 7:00 a.m. to 9:00 p.m. on the weekends until Christmas.

Funeral—Martha Smith, wife of former forage breeding project technician Duane Smith, passed away Sunday, Dec. 12. A funeral is tentatively scheduled for 2:00 p.m., Wed., Dec. 15, at St. Dunstan's Anglican Church located at 4241 Brookside Avenue South, St. Louis Park. The church is located near Excelsior Blvd. and Hwy. 100. Please check the Star Tribune newspaper for a definite time, or call the church (phone: 612-920-9122).

Mark your calendars! Bob Busch, ARS wheat geneticist, will be retiring next June. A retirement dinner celebration is being planned for Bob and his wife, Mavis, on May 19, 2000. We realize this is a long way off, but we wanted everyone to know the date as soon as possible because the spring gets so busy.

Gopher Crops and Soils Club elected new officers for 2000 at their meeting December 8:

President - Adam Hart

Vice President - Chris Lee

Treasurer - James Christenson

Recording Secretary - Kris Overbo

Corresponding Secretary - Nathan Winter

Historian - Julie Schuch

Ag-board Rep - Sean Collins

Crops Kit Co-chairs - Nathan Winter, Adam Jones

Club Advisor - Vernon Cardwell

Suggestions of sites to include in the Student Activities Subdivision of ASA Tour of Minnesota Agri-businesses during the 2000 ASA meeting are invited. Send suggestions to Vernon Cardwell or Adam Hart.

ROOM FOR RENT—Four bedroom house with two male graduate students (Landlord stays there 1 week/month), rent is \$210/month + 1/3 utilities, month-to-month lease, two showers, large basement, washer/dryer, hardwood floors, lots of storage, must see! Contact departing roommate for tour: Steve at 651-647-0010 (Home), 612-624-1224 (Office), or [friedman@gis.umn.edu](mailto:friedman@gis.umn.edu).

## SEMINARS

December 14 Plant Biological Sciences, Michael Sadowsky, Dept. of Soil, Water, and Climate and Biological Process Technology Institute, "The Microbial Degradation of Atrazine: From Genes to the Field and Back Again," 3:30 p.m., 335 Borlaug Hall.

- December 15 MISA, the Farmers' Summit, and Visions for Change, Dr. Phil Rice, Sustainability Institute, "Computer Simulations of Agricultural Systems," 11:30 a.m., 306 Borlaug Hall.
- December 17 Brown Bag, Tom Payne, Southern Minnesota Sugarbeet Co-op, 12:00 noon, 306 Borlaug Hall.
- December 20 Applied Plant Sciences, Ryan Hayes, Graduate Student, Horticultural Science, "Reduction of Phytate-P in Feed Crops," 3:30 p.m., 306 Borlaug Hall.
- December 21 Ph.D. Defense, Ana Maria Procopiuk, "Early Generation Bulk Testing to Evaluate the Introgression of Unadapted Wheat (*Triticum aestivum* L.) Germplasm into Adapted Spring Wheat," 8:30 a.m., 306 Borlaug Hall.
- December 22 MS Thesis Defense, Lynn Litterer, "Regulation of UDP-Glucose Dehydrogenase in Developing Soybean Seeds," 1:00 p.m., 408 Hayes Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**GOLDEN HARVEST RESEARCH**

Three month internship, Platteville, WI. This job involves working in all projects associated with a corn breeding research program.

**GOLDEN HARVEST RESEARCH**

Six month research assistant internship, Platteville, WI. Assist research staff and technically support a comprehensive inbred line development and hybrid yield testing program in all aspects of a corn breeding program.

**INSTITUTE FOR AGRICULTURE AND TRADE POLICY (IATP)**

Paid temporary internship, Management of Large Floodplain Ecosystems: featuring the Upper Mississippi River, with some reference to the Red River of the North and Missouri River. Develop case study materials and prepare conference proceedings document. Closing date: December 20, 1999.

**UNIVERSITY OF NEBRASKA, LINCOLN**

Cereal Chemist/Biochemist, Assistant Professor, Department of Agronomy. Ph.D. degree in Cereal or Food Science, Biochemistry, Plant Science or closely related discipline. Closing date: March 15, 2000.

**UNIVERSITY OF KENTUCKY**

Research Specialist, Tobacco Breeding Program, Princeton, KY. M.S. degree in agronomy, plant and soil science, plant breeding or closely related area. Field and curing experience with dark fire-cured tobacco production is essential.

**WASHINGTON STATE UNIVERSITY**

Assistant Crop Scientist (Cereal Chemist/Biochemist), Department of Crop and Soil Sciences, Pullman, WA. M.S. or Ph.D. in Cereal Chemistry, Food Science, Agronomy, Plant Breeding, Biochemistry or related fields. Closing date: January 31, 2000.

**NORTH DAKOTA STATE UNIVERSITY**

Postdoctoral research fellow, Wheat Genomics Research, Department of Plant Sciences, Fargo. Ph.D. with extensive experience in molecular genetics or genomics.

**NORTH DAKOTA STATE UNIVERSITY**

Research Center Scientist-North Central Research Extension Center, Agricultural Experiment Station, Minot, ND. M.S./ Ph.D. in plant or crop science. Closing date: December 23, 1999.

**UNIVERSITY OF MINNESOTA**

Personnel Assistant, College of Human Ecology, College Budget and Operations Office.

**UNIVERSITY OF MINNESOTA**

Office Supervisor, College of Human Ecology, College Budget and Operations Office.

**OREGON STATE UNIVERSITY**

Faculty Research Assistant, North Willamette Research and Extension Center, Aurora, OR. M.S. degree in horticulture or related field, with experience or training in berry crops. Closing date: December 31, 1999.

**THE UNIVERSITY OF ARIZONA, TUCSON**

Assistant Professor/Plant Development, Department of Plant Sciences. Ph.D. degree in an appropriate field with a research emphasis in developmental biology. Closing date: January 14, 2000.

**THE NEW YORK BOTANICAL GARDEN**

Director, Plant Molecular Biodiversity Studies, Bronx, NY. Ph.D. and fully conversant with modern genomic approaches as applied to plant systematics or economic botany. Closing date: January 1, 2000.

**UNIVERSITY OF NEBRASKA, LINCOLN**

Coordinator, Center for Rural Community Revitalization and Development. Bachelor's with major in agribusiness, agricultural economics, business or related field plus relevant experience required.

MW  
9.19.86

# Agronomy Gleanings

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December 20, 1999

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## ANNOUNCEMENTS

University offices closed Friday, December 24; Monday, December 27; and Friday, December 31. Happy Holidays!!

Holiday Social--Sixty-two pounds of food and \$115.00 in monetary donations were collected at the departmental holiday potluck last week. The food and money were given to the Ralph Reeder Food Bank in New Brighton. Thanks to all who brought food for the potluck and to all for their generous donations to the food bank.

## SEMINARS

December 21 Ph.D. Defense, Ana Maria Procopiuk, "Early Generation Bulk Testing to Evaluate the Introgression of Unadapted Wheat (*Triticum aestivum* L.) Germplasm into Adapted Spring Wheat," 8:30 a.m., 306 Borlaug Hall.

December 22 MS Thesis Defense, Lynn Litterer, "Regulation of UDP-Glucose Dehydrogenase in Developing Soybean Seeds," 1:00 p.m., 408 Hayes Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**CENTER FOR RURAL AND REGIONAL STUDIES**  
Rural and regional fellowships, Southwest State Univ., Marshall, MN. Applications for the spring 2000 semester must be received by February 1; applications for the fall 2000 semester must be received by April 30.

**KANSAS STATE UNIVERSITY**  
Graduate Research Assistant, Nutrient Management/Water Quality. B.S. or M.S. degree in Soil Science, Agronomy, or closely related discipline.

**KANSAS STATE UNIVERSITY**  
Graduate Research/Teaching Assistant, Weed Ecology. B.S. or M.S. degree in Agronomy, Weed Science, Plant Ecology or related discipline.

**KANSAS STATE UNIVERSITY**  
Assistant Scientist, Crop Simulation. M.S. degree in Agronomy Crop Science, or a related area with experience in plant breeding plus demonstrated computer literacy. Closing Date: January 9, 2000.

**SOUTH DAKOTA STATE UNIVERSITY**  
Assistant Professor of the Plant Science-Winter Wheat Breeding/Genetics. PhD degree in agronomy, or related discipline, with emphasis on plant breeding/genetics. Closing Date: February 1, 2000.

**UNIVERSITY OF KENTUCKY**  
Research Specialist in Weed Science. M.S. degree in agronomy, plant and soil science, or a closely related agricultural discipline. Closing Date: March 1, 2000.

**UNIVERSITY OF MANITOBA**  
Assistant Professor Soil Scientist in Soil Chemo-Dynamics/Soil Physics. Ph.D. in soil science with specialization in soil chemo-dynamics/soil physics required. Closing Date: January 31, 2000.

**UNIVERSITY OF MISSOURI- COLUMBIA**  
Research Assistant Professor; Project Manager. Ph.D in Agronomy, Agricultural Engineering, Soil Science, or related field required. Closing Date: January 15, 2000.

M110  
J. Agelino

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
November 29, 1999

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## ANNOUNCEMENTS

Alan T. Waterman Award, the National Science Foundation's highest honor, is accepting application packets for the 2000 award. This award is bestowed upon individuals demonstrating exceptional individual achievement in scientific or engineering research. Application packets can be obtained at [www.nsf.gov/nsb/awards/waterman](http://www.nsf.gov/nsb/awards/waterman). Application deadline: December 21, 1999.

4-H Center for Youth Development Office has moved to the University of Minnesota Gateway on the Minneapolis Campus. Check the website at [www.fourh.umn.edu](http://www.fourh.umn.edu) for new address and phone numbers.

The Sugarbeet Research and Education Board has changed the deadline for project proposals to December 20.

Minnesota Cultivated Wild Rice Council is requesting research proposals for cultivated wild rice research projects. More information is available in 411 Borlaug. Deadline: December 23, 1999.

Graduate Writing Course for Non-Native Speakers of English will be offered spring semester. For more information on the class or to receive a permission number, contact Sheryl Holt at 624-4524 or [holtx001@umn.edu](mailto:holtx001@umn.edu).

AURI's Pesticide Reduction Options program is looking for projects that reduce the use and impact of petroleum-based pesticides on Minnesota farms. Grants for research, demonstration or technology transfer projects are available. For more information and an application contact Edward Wene at (218) 281-7600.

House for Sale: Three + bedrooms, 2700 + sq. ft. finished. Contact Bill Lueschen at 651-490-0983.

The Center for Spirituality and Healing announces an interdisciplinary graduate minor program in Complementary Therapies and Healing Practices. For more information contact Mariah Snyder at [snyde002@tc.umn.edu](mailto:snyde002@tc.umn.edu) or 624-2686.

## SEMINARS

November 30 Plant Biological Sciences, Scott Jackson, Research Assoc., Dept. of Agronomy and Plant Genetics, "Cytogenomics: Cytogenetics in a Genomic Era," 3:30 p.m., 335 Borlaug Hall.

December 1 WUSA, Ray Kirsch and Emily Pullins, "Sustainable Agriculture and Biotechnology: Report from the 11<sup>th</sup> Annual NABC Conference," 11:30 a.m., 306 Borlaug Hall.

Horticultural Science, Steve Poppe, Research Plot Coordinator, West Central Experiment Station, Morris, "Morris Outreach Center Update," 3:30 p.m., 415 Alderman Hall.

December 2 Biological Process Technology Institute, Gary M. Dunny, "Lactococcal Group II Introns: From Applied Biotechnology to Basic Molecular Genetics," 3:30 p.m., 239 Gortner Lab.

December 3 Brown Bag, Will Anthony, "Farming From Different Perspectives," 12 noon, 306 Borlaug Hall.

December 6 Applied Plant Sciences, Lee DeHaan, "Evaluation of Diversity in *Amorpha fruticosa* and *Desmanthus illinoensis*," 3:30 p.m., 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**

Graduate Research Assistantship, Wind Erosion Prediction System, Department of Agronomy, Manhattan. B.S. or M.S. in Engineering, Computer Science or related discipline.

Closing date: November 30, 1999.

**MICHIGAN STATE UNIVERSITY**

Chairperson, Department of Botany and Plant Pathology, East Lansing.

Closing date: February 15, 2000.

**MICHIGAN STATE UNIVERSITY**

Assistant/Associate Professor, Soybean Genetics, Dept. of Crop and Soil Sciences, East Lansing. Ph.D. degree in plant genetics and have experience in plant breeding.

Closing date: January 31, 2000.

**COLORADO STATE UNIVERSITY**

Field Inspector, Potato Certification Service, San Luis Valley Research Center, Dept. of Horticulture and Landscape Architecture. B.S. in Plant Pathology, Horticulture, Agronomy or closely related plant science discipline.

Closing date: December 31, 1999

**LOCKHEED-MARTIN REAC**

Physiologist/Ecologist, Edison, NJ. U.S. EPA contract.

**USDA NATIONAL ARBORETUM**

Research Leader, Floral and Nursery Plants Research Unit, Beltsville, MD.

**LOUISIANA STATE UNIVERSITY**

Assistant Professor, Contemporary Plant Anatomy/Morphology, Baton Rouge, LA. Ph.D. or equivalent degree and interest in teaching a course in plant anatomy.

**UNIVERSITY OF KANSAS**

Assistant/Associate Professor, Mycology, Lawrence, KS. Ph.D. in appropriate discipline that provides a strong background in botany or the biological sciences.

**UNIVERSITY OF KANSAS**

Assistant/Associate Professor, Plant Systematics and Assistant/Associate Curator. Ph.D. in appropriate discipline that provides a strong background in systematics and plant biology.

**UNIVERSITY OF ARIZONA-TUCSON**

Curatorial/Museum Specialist, Herbarium, Dept. of Ecology and Evolutionary Biology.

**UNIVERSITY OF ARIZONA-TUCSON**

Assistant Professor, Functional Ecology, Dept. of Ecology and Evolutionary Biology.

**THE FIELD MUSEUM**

Boyd Postdoctoral, Evolutionary Biology, Chicago, IL.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
December 6, 1999

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## ANNOUNCEMENTS

Department Holiday Potluck featuring favorite holiday dishes and food drive donations to be held Friday, December 17<sup>th</sup> in 306 Borlaug Hall from Noon-2:00 p.m. The price is \$2.00 or \$1.00 with a food shelf donation. Potluck receiving is from 8-9:00 a.m. in 306 BH. Join us for a full fare of food, friendship, fun and festivities!

The Outdoor Store's Annual Holiday Sale, December 9 & 10 offers 25% off everything in the store. (This is a members-only sale.) Purchase a one-year membership--\$3 for students and \$6 for faculty/staff.

Greenhouse Users: Following are some quotes from a paper titled, Greenhouse IPM: Sustainable Thrips Control-Pest Management Technical Note: "Sanitation is key for controlling pests in greenhouses. The goal of sanitation is to eliminate all possible sources of the pest. Plant debris from previous crops can also be a source of both immature and adult pests. Clean up all debris from previous crops and dispose of infested plants, or any infested growth." The user plays as critical a role in pest management as the sprayer. Please help us out. Some of you still need to do clean up in the greenhouses. This includes sweeping and discarding trash, broken pots, old plant material, etc. There is a charge of \$50/hour if the greenhouse staff has to do the clean up. Pamela Altermatt

## SEMINARS

December 7 Plant Biological Sciences, Ben Bowen, Lynx Therapeutics, Inc., Haywood, CA., "Bead-based Genomics at Lynx," 3:30 p.m., 335 Borlaug Hall.

December 8 WUSA, Kindi Harla and Brenda DeMarco, "Growing Up in the Garden," 11:30 a.m., 408 Hayes Hall.

Horticultural Science, Dr. Neil Anderson, "AES Project: Flower Breeding Genetics Directions for the 21<sup>st</sup> Century," 3:30 p.m., 415 Alderman Hall.

December 10 Brown Bag, Al Cotter, MN Corn Growers, Assoc., 12 noon, 306 Borlaug Hall.

December 13 Applied Plant Sciences, Julie Grossman, "Use and Nitrogen Fixation of *Inga* sp. Used to Shade Coffee Agroecosystems in Chiapas, Mexico," 3:30 p.m., 306 Borlaug Hall.

Plant Molecular Genetics Discussion, Carroll Vance, 12 noon, 239 Gortner Lab.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### PURDUE UNIVERSITY

Associate or full professor, Plant Genetics, Dept. of Biological Sciences. Review of candidates will begin February 15, 2000, and continue until the position is filled.

### SOUTHERN ILLINOIS UNIVERSITY

Plant Breeder/Agronomist. Ph.D. in plant breeding with a strong background in statistics and agronomy. Screening will begin January 15, 2000, and continue until the position is filled.

### UNIVERSITY OF MINNESOTA

Associate Director of the Office of Sponsored Projects Administration. Must hold a baccalaureate degree, but an advanced degree is preferred. Minimum of five years of grants administration required. Review of applications will begin on December 17, 1999, and continue until the position is filled.

### UNIVERSITY OF SAN FRANCISCO

Fletcher Jones Professor, Endowed Chair, Dept. of Biology. The successful applicant will be appointed to a tenure-track position at the rank of Associate or Full Professor. An earned doctorate required.

Closing Date: January 10, 2000.

MW  
8 Ag 86a

# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
January 3, 2000

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## ANNOUNCEMENTS

Congratulations! The first McKnight Presidential Endowed Chair at the University of Minnesota has been awarded to Dr. Ronald Phillips. Dr. Phillips is internationally known for pioneering work in plant tissue culture, molecular cytogenetics, and plant genomics. Endowed chairs, each funded by \$1 million, allow professors to draw on endowment earnings for research and other academic endeavors.

### Applied Plant Sciences Graduate Students

1)--If you are planning to take the Advanced Topics course AGRO 8280, please respond ASAP to Jean (swans008@tc.umn.edu or stuth001@tc.umn.edu).  
2)--There is space for two or three people to go to the Seminar Series at Iowa State University, Thursday a.m. to Friday noon of this week, Jan. 5-7. See Jean or Stuthman ASAP. Vehicle will leave early Wednesday afternoon. --Deon Stuthman

Retirement Party. Delores Huebner is retiring January 14, 2000 after 34 years with the Univ. of Minnesota and 15 years of service to the Dept. of Plant Pathology. Everyone is invited to a reception Wednesday, January 12th, 3:00-4:30 p.m., 491 Borlaug Hall.

## **\*\*REMINDERS\*\***

GREENHOUSE USERS: This Friday is a clean up/watering day. All users please take the time to do some clean up and sweeping in your greenhouse sections. --Pam Altermatt

No private parking in 388 Crops Service Building. Any private vehicles parked in the Crops Service Building will be subject to ticketing or towing. Like any U of M No Parking Zone, this building is for project use only and is not a private parking garage. This will go into effect on Monday, January 3, 2000.  
--Mike McClellan

Agricultural Crops 2000 Pesticide Applicator Workshop will be January 19 in St. Paul. Those of you who attended the workshop in January 1997 need to attend to renew your license.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

J.C. ROBINSON SEED COMPANY  
Research Agronomist, Waterloo, NE. All aspects of agronomy field research, including work looking at hybrid and inbred response to herbicide programs and cultural practices. M.S. degree and experience or Ph.D.

OHIO STATE UNIVERSITY  
Assistant/Associate Professor, Nursery and Landscape, Dept. of Horticulture and Crop Science, Columbus Campus. Ph.D. in landscape horticulture, horticulture, or related discipline. Closing date: February 15, 2000.

UNIVERSITY OF ILLINOIS  
Postdoctoral Research Associate, Plant Biotechnology, Maize Transformation to Prevent Mycotoxin Formation. Ph.D. in plant biology or related field.



# Agronomy Gleanings

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January 10, 2000

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## ANNOUNCEMENTS

Martin Luther King holiday, January 17, 2000.  
University offices closed.

Spring semester classes begin January 18, 2000.

Winter Crops Days: January 19th at Kasson and Rushford; January 20th at No. Mankato. --Southern Research and Outreach Center, Waseca.

### \*\*REMINDER\*\*

Retirement Party for Delores Huebner, Plant Pathology Dept., Wednesday, January 12, 3:00-4:30 pm, 491 Borlaug Hall.

## SEMINARS

January 18 Plant Biological Sciences, Dr. Stephen Wolniak, Univ. of Maryland, "Centrin Synthesis and Basal Body Formation During Spermiogenesis in *Marsilea vestita*," 3:30 pm, 335 Borlaug Hall.

January 19 Plant Biology, Candidate for Vascular Plant Systematist, Dr. Diane Ferguson, Michigan State, "Phylogenetics and Evolutionary Patterns in Hydrophyllaceae and Paeoniaceae: Integrating Molecular Markers, Morphology, and Collections-based Approaches," 3:00 pm, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### COMMUNITY INVOLVED IN SUSTAINING AGRICULTURE (CISA)

1) Director of Marketing and 2) Executive Director in Amherst, MA.

### CARGILL HYBRID SEEDS

Assistant Corn Breeder/Pathologist, Mt. Vernon, IN research station. MS degree in plant breeding or plant pathology or BS degree in agronomy with experience in both pathology and plant breeding.

### CARGILL HYBRID SEEDS

Research Assistant, St. Peter, MN research station. BS degree in agronomy or related fields.

### UNIVERSITY OF FLORIDA

Assistant Professor, Environmental Agronomist, Gainesville. Ph.D. in Agronomy or a closely related area of crop science with some expertise in soil science and crop physiology/ecology. Closing date: February 25, 2000.

### PIONEER HI-BRED INTERNATIONAL, INC.

Research Scientist, Applied Functional Genomics, Johnston, Iowa. Ph.D. in genetics or plant breeding with 3-5 years research experience in both whole plant and molecular genetics.

# Agronomy Gleanings

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JANUARY 18, 2000

MW  
8/17/86a

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## Seminar

January 24 **Applied Plant Sciences,**  
Seminar Overview/  
Computer Projection  
System Orientation,  
Dave Somers and Mark  
Galatowitsch, 3:30 p.m.,  
306 Borlaug Hall.

Agracetus Campus, Monsanto Life Science  
Company, MIDDLETON, WI.  
Ph.D./Integrated Protein Technologies team.  
Lead efforts to develop and manage a plant  
analysis team producing valuable proteins in  
plants. Ph.D. in one of the major plant science  
disciplines. People management and  
communication skills. Multi-site team based  
environment. Closing date: March 15, 2000.

## Position Announcements (Posted in 411 Borlaug Hall)

BRAMBLE HILL FARM  
ENTRY SUSTAINABLE FARMING PROJECT  
Part-time position/Internship  
Tufts University, Medford, MA.  
Background in outreach/organizing; Good  
writing ability; computer skills/database  
management; knowledge of agriculture; vehicle  
for statewide travel. Develop opportunities for  
disadvantaged persons to practice agriculture in  
Massachusetts and adjacent areas.

UNIVERSITIES SPACE RESEARCH  
ASSOCIATION & NASA/GSFC.  
Post-doctoral Research Scientists. Observe,  
measure, analyze, model ocean and ice  
processes, ocean biology, global distribution of  
water in various states, exchange of water  
between soil, the biosphere and atmosphere.  
Relevance to NASA missions. Also see  
<http://neptune.gsfc.nasa.gov>.

UNIVERSITY OF MINNESOTA, SOUTHWEST  
RESEARCH & OUTREACH CENTER.  
Student Plot Technician (Agronomy &  
Soils)/Summer position. Interest in crops or  
soils. Current college student in Agronomy,  
Soils, Environmental Science or related fields. Or  
High School student w/interest in agricultural  
research. Prepare, plant, care for, sample, harvest  
crops, collect research data.

MW  
2/2/00

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
January 24, 2000

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## ANNOUNCEMENTS

Winter Crops and Soils Day will be held on Wednesday, February 2, 2000, from 9:30 a.m. to 3:00 p.m. Several sessions will be held throughout the day focusing on Soil Water & Nitrogen, Manure as a Crop Production Resource, Alternative Marketing Strategies, and Weed and Pest Management. Registration, coffee and rolls will be at 9:30 a.m. and a complimentary lunch will be served at 12:15 p.m.

Gas Reimbursement for personal mileage has gone up from \$0.31 to \$.0325.

Congratulations to Dr. Ron Phillips for his acceptance of the inaugural McKnight Presidential Endowed Chair.

Twin Cities Regional Science Fair will be held March 10, 2000. They are seeking volunteers to serve as science fair judges for grades 6-12, in the metro area and the 4 counties of Ramsey, Hennepin, Washington and Dakota. Anyone interested should contact Karin Ostrand at 651-484-4843 for details.

## SEMINARS

January 24 Weeds Discussion Group, Jeff Gunsolus, "The Development of an Interactive CD-ROM on Herbicide Mode of Action," Noon, 306 Borlaug Hall.

January 27 COAFES Health and Safety, Neil Carlson, Department of Environmental Health and Safety, "Office Ergonomics," 8:00 a.m., 106 BioAgEng.

January 31 Plant Molecular Genetics Institute, Carroll Vance, Noon, 239 Gortner Lab.

Applied Plant Sciences, Russel Gesch, USDA-ARS, Morris, MN, "Photosynthetic Acclimation to Elevated Atmospheric CO<sub>2</sub> Involves Rapid Changes in Gene Expression," 3:30 p.m., 306 Borlaug Hall.

Plant Molecular Genetics Institute, Carroll Vance, Noon, 239 Gortner Lab.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

### THE ALTERNATIVE ENERGY RESOURCES ORGANIZATION (AERO)

Executive Director of a grassroots, nonprofit organization, working in the areas of sustainable agriculture. Based in Helena, Montana. Candidate must possess the skills to work in the areas of sustainable agriculture, local food systems, Smart Growth, transportation, sustainable community development. Closing date: January 28, 2000.

### BADGERSETT RESEARCH CORPORATION

Research Associate to work in woody agriculture crop development of hybrid hazelnuts and chestnuts. Master's degree or equivalent experience in plant breeding, horticulture, agriculture, or related field required. Closing date: February 15, 2000.

### UNIVERSITY OF CALIFORNIA

Staff Research Associate, Department of Agronomy & Range Sciences. Manage and conduct field and greenhouse operations for a large and complex wheat breeding program. Knowledge of basic concepts, principles, and conduct of agricultural research required. Closing date: January 27, 2000.

**UNIVERSITY OF MINNESOTA EXTENSION SERVICE.**

Extension Summer Intern. Assist county staff with the Extension program in selected counties in Minnesota. Work with ongoing Extension programs, along with related activities such as assisting with the design, development, implementation, teaching, and evaluation of educational programs. This classification is restricted to undergraduate students. Also required are a valid driver's license and access to a personal vehicle for job travel. Closing date: March 1, 2000.

**UNIVERSITY OF MISSOURI, COLUMBIA**

Assistant Professor; Research Agronomist. A 100% research, non-tenure track, full-time position in the Agronomy Department. Ph.D. in Agronomy or related discipline with a strong background in corn, soybean, and wheat production are required. Initial screening of candidates will commence on March 1, 2000.

**UNIVERSITY OF WISCONSIN-MADISON**

Assistant Superintendent, Research Program Manager I. MS Degree in Plant Sciences, Soils, Natural Resources or related field required. Closing date: February 17, 2000.

**WEST TEXAS A&M UNIVERSITY**

Assistant/Associate Professor of Integrated Pest Management, Division of Agriculture. Ph.D. in entomology or weed science with demonstrated expertise in integrated pest management required. Closing date: March 1, 2000.

miw  
2/28/00

# Agronomy Gleanings

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January 31, 2000

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## ANNOUNCEMENTS

Winter Crops and Soils Day will be held February 9, 2000 from 8:30 a.m. to 12:30 p.m. at the West Central Research & Outreach Center, Morris, Minnesota. Several sessions will be held throughout the day focusing on Soil Water & Nitrogen, Manure as a Crop Production Resource, Alternative Marketing Strategies, and Weed & Pest Management. Please contact the West Central Research & Outreach Center at 320-589-1711 with any questions.

Missing Airfare Receipts: Whenever a CUF# pays for your airfare to travel you are required to turn in a receipt showing the cost of your travel. This can be either the itinerary/receipt you receive with the actual ticket OR the last section of your ticket which is labeled "receipt." You account for this prepaid expense on your travel reimbursement request form under "PREPAID EXPENSES." Whether you request additional expense reimbursement or not, you must turn in your airfare receipt.

The Office for University Women invites faculty, staff, and student to submit proposals for projects which further the goal of improving and enhancing the campus climate for women. Examples include projects which provide opportunities for networking and support among women, provide support for University women with families, or celebrate University women's achievements. Application deadlines are 4:00 p.m. Friday, February 25, 2000 and 4:00 p.m. Friday, April 28, 2000. For more information or to request an application call 612-625-2385 (x3) or e-mail [women@tc.umn.edu](mailto:women@tc.umn.edu).

Notice: I'm trying to locate video tapes #3, 4, and 5 of Dr. Phillips' Cytogenetics lecture series. These cover lectures 4 through 10 and I need to make copies of the entire set. If you borrowed these, please return them to Suzanne Livingston, 513 Borlaug Hall.

## SEMINARS

- February 1 Weeds Discussion Group, Carmen Fernholz, "Organics in the 21<sup>st</sup> Century," Noon, 306 Borlaug Hall.
- February 2 Plant Biology Candidate for Vascular Plant Systematist, Dr. Eric Knox, Department of Biological Sciences, Rutgers University, "Adaptive Speciation of the Giant Senecios and Giant Lovelias on the Mountains of Eastern Africa," 3:00 p.m., 306 Borlaug Hall.
- February 3 Biological Process Technology Institute, Computation Biology, Dr. Philip Judson, LHASA Limited, Leeds, UK, "Computer Prediction of Metabolism: METEOR," 3:30 p.m., Mechanical Engineering 102, Minneapolis Campus.
- February 7 Applied Plant Sciences, Richard Swanson, Assistant Dean and Director Office of International Agricultural Programs, "International Opportunities for Research and Education in the Developing World," 3:30, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

### THE UNIVERSITY-MIGRANT PROJECT

A two-credit paid summer internship offered to junior, senior, and graduate U of MN students. Must have taken a course relevant to the purpose of the summer internship. Information sessions will be held February 8 & 9.

### UNIVERSITY OF MINNESOTA

Assistant to the Executive Director, Office of the Board of Regents. Baccalaureate degree plus a

minimum of five years professional experience that demonstrate strong skills in managing multiple projects. Closing date: February 4, 2000.

UNIVERSITY OF WISCONSIN-EXTENSION  
Commercial Horticulture Educator,  
Milwaukee/Waukesha Counties. Bachelor's degree in  
a field that relates to the responsibilities of this  
position, such as horticulture, Master's preferred.  
Closing date: March 1, 2000.

M/W  
G. A. Johnson

# Agronomy Gleanings

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February 7, 2000

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## ANNOUNCEMENTS

Come enjoy St. Valentine's Day with coffee and treats! The first year 2000 Departmental Coffee will be held on Monday, February 14<sup>th</sup>, in Borlaug 306 from 9:30 to 10:30. The Weed Ecology Group will serve up some treats and drinks—so bring your cup and join us!

Volunteers are needed to work for an exception organization in Costa Rica. If you are interested in learning Spanish while living on a farm, off the "gringo-trail" and integrated in a rural community, this is the place for you. For more information contact Helen Murray at [murra021@maroon.tc.umn.edu](mailto:murra021@maroon.tc.umn.edu).

Graduating Seniors: If you have been thinking about Peace Corps service, now is the time to apply. There are over 500 environmental and agricultural positions with departure dates between mid-May and early September. This is a unique opportunity, but you need to act now if you want to enter one of these upcoming programs. To qualify you must have a BA/BS in any major and 3 months gardening experience. If you are interested in serving as a volunteer please contact the International Institute at 612-647-0191.

Take Our Daughters to Work 2000 "The Future is Me." This is the University of Minnesota's eighth year of participation. All our encouraged to invite daughters, nieces, granddaughters, little sisters, neighborhood girls, or any girl between the ages of 8 and 15 to a welcoming work environment.

## SEMINARS

February 8 Plant Biology, Candidate for Plant Developmental Biology Position Special Seminar, Dr. Chen Rujin, Laboratory of Genetics University of Wisconsin-Madison, "Molecular Genetic Analysis of Polar Auxin Transport and Plant Development," 3:30 p.m., 335 Borlaug Hall.

Southern Research and Outreach Center, Feeder School, Ellendale.

February 14 Weeds Discussion Group, Kelley Belina, "Using Genetic Tools to Study Weed Population Structure: AFLP and

Quackgrass," Noon, 306 Borlaug Hall.

Applied Plant Sciences, Gary Beil, President/CEO Minnesota Crop Improvement Association, "Certification of Non-GMO and Other Identity Preserved Crops," 3:30 p.m., 306 Borlaug Hall.

Plant Molecular Genetics Institute, Lynn Litterer, "Regulation of UDP-Glucose Dehydrogenase in Developing Soybean Seed," Noon, 239 Gortner Lab.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**  
Research/Extension Faculty appointment in Woody Ornamental Plant Material, John C. Pair Research/Extension Center/Wichita, Kansas. Ph.D. in Horticulture with an emphasis in Woody Plants. Closing date: April 15, 2000.

**OREGON STATE UNIVERSITY**  
Cropping Systems Agronomist, Columbia Basin Agricultural Research Center. Ph.D. in agronomy, crop science, or closely related discipline. Closing date: March 1, 2000.

**OREGON STATE UNIVERSITY**  
Research Center Superintendent. Ph.D. in agronomy, crop science, or closely related discipline. Closing date: February 15, 2000.

**PURDUE UNIVERSITY**  
Soils and Land Use Specialist, Department of Agronomy, Purdue University. Ph.D. in Soil Science or closely related discipline. Closing date: May 1, 2000.

**SOUTH DAKOTA STATE UNIVERSITY**  
Research Associate I - Soybean Breeding/Genetics. Masters degree in Agronomy or related area with emphasis in plant breeding/genetics. Closing date: February 15, 2000.

**UNIVERSITY OF MISSOURI-COLUMBIA**  
National Needs Graduate Fellowships in Plant Biotechnology, Functional Genomics & Physiology. Interdisciplinary Graduate Study & Research. Applications due by February 15, 2000.

MW  
8 Ag 8600

# Agronomy Gleanings

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February 14, 2000

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## ANNOUNCEMENTS

Greenhouse Users: Pam Altermat will be gone March 8<sup>th</sup> through the 22<sup>nd</sup>. Everyone needs to do their own watering. She will take care of watering on the 3<sup>rd</sup>, which is the scheduled cleanup/water day. Everyone will have two weeks to do their cleanup. If you need to make other arrangements, please let her know.

Short-term Housing Needed for German Student. Rainer Saedler is a 24-year-old German student who will visit the University of Minnesota from March 1 through May 21, 2000, to participate in an ongoing research project and to learn new techniques. He needs to find housing, and he will pay going rates to share a house or apartment. He is single, has a great sense of humor, is fluent in English, and is very responsible. If you can help, please contact Robert Brmabl at 625-7080, or [<brambl@biosci.cbs.umn.edu>](mailto:brambl@biosci.cbs.umn.edu).

Principle Investigator Educational Requirements. The Board of Regents policy, *Principle Investigator Eligibility on Sponsored Projects* requires PIs to participate in an educational program on the Responsible Conduct of Research (RCR). New Faculty or current PIs who have not attended the workshop must attend both parts of the RCR workshop, Current PIs and faculty who attended an RCR workshop in the past few years, must attend RCR part 2 prior to receipt of additional external funds. *RCR-part 2* will be offered about three times each month and *RCR-part 1* will be offered about once a month. Locations and time can be found at <http://research.umn.edu/training>.

## SEMINARS

February 15 Plant Biology, Candidate for Plant Developmental Biology Position, Dr. Zhen-Ming Pei, Department of Biology, University of California/San Diego, "Ion Channel-Mediated ABA Signaling in Arabidopsis Guard Cells," 3:30 p.m.,

335 Borlaug Hall.

Southern Research and Outreach Center, Basic Dairy Nutrition, Waseca, MN.

February 16 WUSA, Julie Ristau & Karen Lehman, "From Sustainable Agriculture to Sustainable Food Systems," Noon, 408 Hayes Hall.

February 17 Plant Biology, Candidate for the Plant Genomics Position, Dr. Doug Cook, Department of Plant Pathology & Microbiology, Texas A&M University, "*Medicago truncatula*, A New Model for Legume Biology," 3:30 p.m., 306 Borlaug Hall.

Soil, Water, and Climate, Deborah De Luca, Supervisor, Braun Intertec Corporation, "Regulatory Framework for the Investigation and Cleanup of Soils at Minnesota Brownfield Sites, 2:30 p.m., 415 Soils.

February 18 Department of Biosystems & Agricultural Engineering, Nigatu Tadesse, Extension Educator, Rosemount Research and Outreach Center University of Minnesota, "University of Minnesota Farm Incubator Program," 2:00 p.m., 106 BioAgEng Building.

February 21 Applied Plant Sciences, Richard Broeker Executive Director, Southwest Minnesota Experiment in Rural Cooperation Regional Sustainable Development Partnership of the University of Minnesota, "The Applied University," 3:30 p.m., 306 Borlaug Hall.



Weeds Discussion Group, Liz Stahl,  
Golden Harvest, "Crop Response to  
Various Herbicide Programs, Noon, 306  
Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**TEXAS A&M UNIVERSITY - KINGSVILLE**

Graduate Assistantship. B.S. in an Agriculture field,  
minimum undergraduate G.P.A. of 3.0/4.0, minimum  
G.R.E score of 850.

**UNIVERSITY OF MINNESOTA-COLLEGE OF  
HUMAN ECOLOGY**

Information Technology Specialist. One or two years of  
any combination of relevant post High School computer  
technical education and/or training.

**LISTING OF VOLUNTEER OPPORTUNITIES ALSO  
AVAILABLE IN 411 BORLAUG.**

new  
JAGS

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
February 21, 2000

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Please mark Friday, June 23 for a campus event recognizing Erv Oelke's contributions to the University and his pending retirement. Additional details will be provided later.

U of M Itasca Forestry and Biological Station is offering several Summer Session Biology courses, including 4824, Field Ornithology. Please check out the posters on campus or call the Lake Itasca Office at 624-6734 for further information.

Congratulations! to Don and Michelle Ide on the birth of their son, Alex Donald. Alex was born in Glencoe on February 15, 2000 and weighed 7 pounds, 10 ounces.

The next COAFES Health and Safety Training session is Wednesday, February 23. Other sessions scheduled for this semester can be found at <http://www.coafes.umn.edu/safety/training.html>.

Congratulations! to Cristine Handel for being chosen as the recipient of the H.K. Hayes Graduate Student Award. She is in the Applied Plant Sciences graduate program and advised by D.D. Stuthman. Cristine is also pursuing a minor in Business and Administration at the Carlson School of Management. The award will be presented at the Hayes Memorial Lecture and Graduate Student Award event to be announced soon.

Notice: Suzanne Livingston is trying to locate video tapes #3 - 5 of Dr. Phillips' Cytogenetics lecture series. These cover Lectures 5 - 10 and copies need to be made of the entire set. If you borrowed the tapes, please return them to Suzanne in 513 Borlaug Hall.

The Weed Discussion Group scheduled for Monday will be re-scheduled at a later date. Liz Stahl will not be able to attend due to personal reasons.

Civil Service Excellence Award. Nominations for this

year's Civil Service Excellence Award are due to be submitted by February 29, 2000. This is a good opportunity to renominate an Excellent Civil Servant who was passed over in previous years, or to nominate someone that has previously won the award more than five years ago. The honoree is presented with a check for \$1500, minus taxes. Please submit your nomination and support letters to Dave Plank in 411 Borlaug Hall by Tuesday, February 29, 2000.

## SEMINARS

February 22 Plant Biology, Candidate for the Plant Developmental Biology And Plant Genomics Positions, Dr. Varma Penmetsa, Department of Plant Pathology & Microbiology Texas A&M University, "Genetic Analysis of Plant-Rhizobial Symbiosis in the *Medicago truncatula*," 3:30 p.m., 335 Borlaug Hall.

February 23 Plant Biology, Dr. Varma Penmetsa "Chalk-Talk," 1:30 - 2:15 p.m., 239 Gortner Lab.

Soils, Water, & Climate, Professor H.H. Cheng, "The Three Gorges Dam Project and its Human and Environmental Impacts," 3:30 - 5:30 p.m., 140 Nolte Center, 315 Pillsbury Drive SE, Minneapolis Campus.

February 24 Plant Biology, Candidate for Plant Developmental Biology Position, Dr. Susan Christensen, Salk Institute, La Jolla, California, "Regulation of Auxin Signaling by PINOID," 3:30 p.m., 335 Borlaug Hall.

February 25 Plant Biology, Dr. Susan Christensen, "Chalk-Talk," 1:30 - 2:15 p.m., 239 Gortner Lab.

February 28 Applied Plant Sciences, JoAnn DeVries  
Associate Librarian McGrath Library  
Reference Service, "On-Line Literature  
Searches," 3:30 p.m., 306 Borlaug Hall.

Weeds Discussion Group, Eric Spandel,  
Cenex, "Herbicide Efficacy Ratings,  
How Valuable are They?" Noon, 306  
Borlaug Hall.

Plant Molecular Genetics Institute, Pete  
Snustad, Noon, 239 Gortner Lab.

#### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

##### **IOWA STATE UNIVERSITY**

Assistant/Associate Professor—Soil Science. Ph.D. in soil  
science required. Closing date: June 1, 2000.

##### **MICHIGAN STATE UNIVERSITY**

Assistant Professor and Extension Specialist: Soil  
Fertility Management/Sugar Beet and Dry Bean Cropping  
Systems. Ph.D. in Soil Science or Agronomy required.  
Closing date: April 30, 2000.

##### **OAK PRAIRIE FARM**

Wildflower Production Specialist. Drivers' License  
required. Closing date: February 29, 2000.

# Agronomy Gleanings

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February 28, 2000

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## ANNOUNCEMENTS

Faculty: A meeting has been set with representatives of the police department to discuss and assess security issues for the department. Please attend (or have someone from your project attend) if you have any concerns about security for research and personnel. The meeting will be February 29 from 10:00 to 11:30 a.m. in 306 Borlaug Hall.

Greenhouse Users: Pam Altermat will be gone March 8<sup>th</sup> through the 22<sup>nd</sup>. Everyone needs to do their own watering. She will take care of the watering on Friday the 3<sup>rd</sup>, which is the scheduled cleanup/watering day. Everyone will have two weeks to do their own cleanup. If arrangements need to be made, please let her know.

To ensure the timely pickup of your UPS packages and other large campus mailings please leave them by your Campus Mail Pickup Spot and call Campus Mail at 5-6560 so arrangements can be made to pick them up.

6 Billion People & 60 Billion Mosquitoes. Take 3807 Ecology (and explore the reason why) at the U of M Lake Itasca Forestry and Biological Station Summer Biology Program. Call the Lake Itasca Office at 624-6743 for more information.

## SEMINARS

February 29 Plant Biology, Candidate for Plant Developmental Biology Position, Dr. Albrecht von Arnim Department of Botany University of Tennessee/Knoxville, "Cellular Events Mediating the Light Regulation of Plant Development," 3:30 p.m., 335 Borlaug Hall.

Chalk Talk, Dr. Albrecht von Arnim, 1:30 - 2:15 p.m., 239 Gortner Lab.

Entomology, Dr. Jacintha Ellers, Postdoctoral Research Fellow Center for Conservation Biology Stanford University, "Fat or eggs? The Role of Habitat Characteristics in the Evolution of Reproductive strategies of Parasitoids," 3:00 p.m., 490 Hodson Hall.

March 2 Biotechnology, TBA, 3:30 p.m., Eustis Amphitheater D230 Mayo, Minneapolis Campus.

March 3 WUSA, Cornelia Flora, Endowed Chair in Agricultural Systems, "Farm Community Partnerships for Sustainability," Noon, 306 Borlaug Hall.

March 6 Applied Plant Sciences, Dr. Beverly Durgan, Dept. of Agronomy and Plant Genetics, "Agricultural Professional Education in Minnesota," 3:30 p.m., 306 Borlaug Hall.

Genetics, Cell Biology, and Development, Christine A. Rushlow, Ph.D., Department of Biology, New York University, "Regulation of Downstream Target in Genes in TGF- $\beta$  Signaling in Drosophila," 3:30 p.m., B45 Classroom Office Building.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**AGRACETUS CAMPUS OF MONSANTO**  
Technical Team Leader to coordinate our multidisciplinary plant discovery research programs. Ph.D. with at least ten years of research experience in plant molecular biology, plant genetics, or related discipline required. Closing date: March 10, 2000.

Molecular biologist, WI-based programs in soybean transformation. Ph.D. with a minimum of two years postdoctoral experience and a strong background in Agrobacterium/host plant interactions required. Closing date: March 10, 2000.

THE HUNGER ACTION COALITION OF MICHIGAN  
1) Development coordinator; 2) Advocacy/Education Coordinator; 3) Youth Coordinator. More information available by contacting The Hunger Action Coalition.

INSTITUTE FOR AGRICULTURE AND TRADE POLICY (IATP)  
Paid Internship in the area of Farmworker Safety. Closing date: March 16, 2000.

UNIVERSITY OF CALIFORNIA, DAVIS  
Assistant Professor and landscape Ecologist in the Agricultural Experiment Station. Ph.D. or equivalent level of experience in ecology, range science or related field. Closing date: May 1, 2000.

Mina  
G. J. H.

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

February 6, 2000

March 7

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Congratulations to Don and Bev Wyse for being the proud grandparents of a 7 lb, 2 oz, baby boy. Hayden Allen was born on March 1<sup>st</sup> to the proud parents Todd and Dawn Pester.

Looking for a good home for an eight year old Llasa Apsa dog named Sammy. Sammy is a very nice dog, but has not been around children much. He has a kennel and all necessary equipment. Since his owner is moving into senior housing, it is imperative that she find him a good home. He would be free to anyone that is willing to take him and give him a good home. Anyone interested please contact Kathy Donahue at 624-6252.

## SEMINARS

March 7 Chalk-Talk, Dr. John Ward, 1:30-2:15 p.m., 306 Borlaug Hall.

Entomology, Phil Price, Graduate Student: *"Interactions Between Tillage and Other Cultural Practices and IPM."* 3:00 p.m., 490 Hodson Hall.

Southern Research Outreach Center, *"Transition Cow Workshop,"* Southwest Minnesota. *"Feeder School,"* Cannon Falls.

March 8 Southern Research Outreach Center, *"Basic Dairy Nutrition,"* Waseca.

WUSA, Paul Wymar and Amy Bacigalupo, Forest Resources Graduates and former Peace Corps Volunteers: *"Farming Sustainability: Lessons and Challenges from Farmers in Paraguay."* Noon, 408 Hayes Hall.

Rhetoric Department, Candidate for the

position of Department Head, Dr. Jeanne Fahnestock, Professor, Department of English Language and Literature, University of Maryland, College Park: *"The Future of Rhetoric and Scientific and Technical Communication and the Land Grant University."* 4:30 p.m., 120 Coffey Hall.

March 9 Rhetoric Department, Dr. Jeanne Fahnestock: Open Forum. 2:15 p.m., 8 Magrath Library.

Biological Process Technology Institute, Dr. Ronald C. McGlennen, Laboratory Medicine and Pathology, U of M: *"Subtle Biological Weapons: A White Paper Study from the Institute of Defense Analysis."* 3:30 p.m., 239 Gortner Labs.

Plant Biology, Candidate for the Plant Genomics Position, Dr. Surinder Chopra, Department of Zoology and Genetics Iowa State University: *"Comparative Genetic and Functional Analysis of MYB Transcription Regulators in Sorghum and Maize and its Utility in Metabolic Engineering of Anti-Fungal Flavonoid Compound."* 3:30 p.m., 306 Borlaug Hall.

March 10 Chalk-Talk, Dr. Surinder Chopra, 1:30-2:15 p.m., 239 Gortner Lab.

March 13 Plant Molecular Genetics Institute, Alan Smith, Noon, 239 Gortner Lab.

Genetics, Cell Biology, and Development, Allan Bradley, Ph.D. Cullen Professor of Human & Molecular Genetics, Howard Hughes

Medical Institute Baylor College of  
Medicine, Houston, Texas: "*Uncovering  
Recessive Oncongenes by Inducing  
Segmental haploidy and Elevating  
Mitotic Recombination Rates in Mice.*"  
3:30 p.m., B45 Classroom Office  
Building.

Applied Plant Sciences, Susan Switras:  
"*Pre-treatment of 'Montaigne' Lilac  
and White Fringetree Stock Plants to  
Improve Adventitious Rooting.*" 3:30  
p.m., 306 Borlaug Hall.

Weeds Discussion Group, Kristin  
Mercer: "*Genetic Variation in  
Quackgrass Populations.*" Noon, 306  
Borlaug Hall.

Plant Pathology, Candidate for  
Extension Soybean Pathologist, Dr.  
Dean Reynolds, Ames, Iowa, 11:00 a.m.,  
491 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**NORTH DAKOTA STATE UNIVERSITY**  
Research Specialist, Plant Pathology. B.S. degree in  
agronomy, plant pathology, plant science, or related field  
required. Closing date: March 13, 2000.2

Research Specialist, North Central Research Extension  
Center, Minot, ND. B.S. degree in an agricultural  
discipline required. Closing date: March 15, 2000.

Research Specialist, Plant Sciences. B.S. degree in plant  
sciences or related biological science area or equivalent.  
Closing date: March 15, 2000.

**UNIVERSITY OF MINNESOTA**  
Assistant Professor, Department of Plant Pathology or  
Entomology. A Ph.D. or equivalent in Entomology,  
Plant Pathology, or closely related field required.  
Closing date: May 15, 2000.

MW  
3/13/00

# Agronomy Gleanings

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[March 12] 2000

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## ANNOUNCEMENTS

The Annual Soup Lunch is approaching and we need soups! This is a fund-raiser for the St. Paul Second Harvest Food Bank. This year the lunch will be Friday, March 24, from 11:45-1:00 in 306 Borlaug Hall. If you can make a soup, email your name to [dmbalum@coafes.umn.edu](mailto:dmbalum@coafes.umn.edu) as soon as possible.

Departmental Coffee, sponsored by the Northrup King Development Committee, will be on Wednesday, March 15, from 9:30-10:30 a.m. in 306 Borlaug Hall. At this time Jim Halgerson and Kathleen Storey will provide information and a sign-up sheet for the Shape Challenge beginning April 3<sup>rd</sup>. Join or organize a team and plan to participate this year. All persons participating will receive a T-Shirt.

Notice: The departmental recruitment display has been finished and is available (on display) on the bulletin boards outside 301 Hayes Hall. This is the display developed by Mary Brakke which you had an opportunity to give input. Come and see the final product!

Each year the Minnesota Beef Council funds research projects that increase the potential demand for beef. This research is funded with producer generated dollars from the Beef Checkoff. Research programs are conducted in four primary areas: nutrition/diet and health; new product development; food safety and market research. Research proposals for consideration for Fiscal Year 2000/01 must arrive at the Minnesota Beef Council office by March 20, 2000. See Jeanne Davy for further information.

## SEMINARS

March 13 Department of Genetics, Cell Biology, and Development, Allan Bradley, Ph.D., Cullen Professor of Human & Molecular Genetics, Howard Hughes Medical Institute Baylor College of Medicine, Houston, Texas: "*Uncovering Recessive*

*Oncogenes by Inducing Segmental Haploidy and Elevating Mitotic Recombination Rates in Mice.*" 3:30 p.m., B45 Classroom Office Building.

March 14 Southern Research and Outreach Center: "*Feeder School.*" Cannon Falls. "*Transition Cow Workshop,*" Southwest Minnesota.

Entomology, Patrick O'Rourke, Graduate Student: "*Monitoring Transgenic Sweet Corn for Helicoverpa Zea Resistance to Bacillus thuringiensis.*" 3:00 p.m., 490 Hodson Hall.

March 15 Southern Research and Outreach Center, "*Basic Dairy Nutrition.*" Waseca.

WUSA, Carolyn Carr: "*Patents, Agricultural Biotechnology and Public Interest at the University of Minnesota.*" Noon, 306 Borlaug Hall.

March 16 Department of Rhetoric, Candidate for the position of Department Head, Dr. Steve Jones, Professor and Head, Department of communication, University of Illinois at Chicago: "*The Future of rhetoric and Scientific and Technical Communication and the Land Grant University.*" 9:30 a.m., 120 Coffey Hall.



March 17 Plant Biological Sciences, Dr. Venkatesan Sundaresan, Institute of Molecular Agrobiolgy, The National University of Singapore, "*Functional Genomics with Transposons in Arabidopsis*." 3:00 p.m., 335 Borlaug Hall.

March 20 Plant Pathology, Candidate for the position of Extension Soybean Pathologist, Dr. Laura Sweets, Columbia, Missouri. 11:00 a.m., 491 Borlaug Hall.

Weeds Discussion Group, Kevin Betts: "*Cover Crops and Weed Control*." Noon, 306 Borlaug Hall.

Applied Plant Sciences, Laura Perry: "*Wetlands and Agricultural Runoff: The Benefits, Limits and Costs of Relying on Wetlands as Nutrient Sinks*." 3:30 p.m., 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**AUGSBURG COLLEGE**

Biology faculty positions for the fall term 2000. Closing date: April 11, 2000.

**NORTH CAROLINA STATE UNIVERSITY**

Assistant/Associate Professor of Crop Science in Tobacco Genetics and Breeding. Ph.D. in Genetics, Plant Breeding, Crop Science, or related field is required. Closing date: May 15, 2000.

**PURDUE UNIVERSITY**

Assistant Professor of Agronomy, Soybean Geneticist. Ph.D. and postdoctoral or comparable experience in plant genetics. Closing date: May 1, 2000.

Assistant Professor of Agronomy, Maize Geneticist. Ph.D. in genetics or related field. Closing date: May 1, 2000.

**UNIVERSITY OF FLORIDA**

Molecular Physiologist-Assistant Professor. Ph.D. in plant physiology, plant biochemistry, genetics and/or plant molecular biology or closely related area is required. Closing date: May 30, 2000.

**UNIVERSITY OF NEBRASKA LINCOLN**

Nutrient Management Specialist. Ph.D. in agronomy, soil science, or a closely related discipline. Closing date: May 15, 2000.

Lecturer in the Department of Agronomy. M.S. in Soil Science, agronomy, or related filed. Closing date: May 15, 2000.

**WESTERN SUSTAINABLE AGRICULTURE WORKING GROUP**

Half to 3/4 time coordinator. Closing date: March 24, 2000.

11/20  
J. Stahl

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
March 20, 2000

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## ANNOUNCEMENTS

If you borrowed the red wheel barrow from the agronomy teaching lab, please return it ASAP.

Jurg Hiltburnner, a visiting student from Switzerland, is looking for housing from the last week in April through the middle of September, preferably a single room. If you know of anything that may be available please contact Roger Becker at 624-3288, or [becke003@tc.umn.edu](mailto:becke003@tc.umn.edu).

Reminder: the next COAFES Health and Safety Training session will be on Wednesday, march 22. Tractor/PTO Safety, presented by Craig Moody, Department of Environmental health and Safety, will be from 9:00-10:30 a.m. All faculty, staff, and students are invited and encouraged to attend appropriate sessions. For more information please visit the web site at <http://www.coafes.umn.edu/safety/training.html>.

Notice to all Civil Service Staff: The Civil Service Employee Spring Elections meeting has been scheduled for Monday, march 27 at 9:30 a.m. in 306 Borlaug Hall.

Grass is Green. Frogs are Green. Why? Take 2822: General Botany or the Ecology of Amphibians and Reptiles (or both!), or Assess Your Environment! Take 4850: Practical Environmental Assessment, at the U of M Lake Itasca Forestry and Biological Station Summer Biology Program. Please call the Lake Itasca Office at 624-6743 for a current summer bulletin, or see the website at <http://biosci.cbs.umn.edu/itasca/>.

## SEMINARS

March 21 Weed Discussion Group, Liz Stahl. Noon, 306 Borlaug Hall.

Plant Biology, Candidate for the Plant Genomics Position, Dr. Frans Tax, University of Arizona: "Genetic

*Approaches to Understanding Intercellular signaling via Receptor Kinases in Arabidopsis.* 3:30 p.m., 335 Borlaug Hall.

March 22 CHALK-TALK-Dr. Frans Tax. 1:30 p.m., 205 Gortner Lab.

WUSA, Gunner Liden and perdita Butler: "Youth Farms: Developing Strong Communities Through Youth and Gardens." Noon, 306 Borlaug Hall.

Soil, Water, and Climate, Irene Christiansen, SWAC: "Phosphate Solubilizing Microorganisms and Their Effect on Plant Growth." 3:00 p.m., 375 Borlaug Hall.

March 23 Biological Process Technology Institute, Isaac Fruchey, Graduate Student Microbial Engineering: "Cloning Purification of Cyanuric Acid Amidohydrolase, A Key Enzyme in Atrazine Biodegradation." 3:30 p.m., 239 Gortner Lab.

Horticultural Sciences, Dr. Jeffrey Kahn, Director Center for Bioethics: "Frankenstein Food or Better Living Through Chemistry? The Ethics of Genetically Modified Plants." 4:30 p.m. St. Paul Student Center Theater.

Rhetoric, Candidate for Department Head Position, Kathleen Welch, Professor, Department of English, University of Oklahoma, Norman: "The Future of Rhetoric and Scientific and Technical Communication and the Land Grant University." 9:00 a.m.,

120 Coffey Hall.

March 27 Plant Molecular Genetics Institute,  
Carolyn Silflow. Noon, 239 Gortner  
Lab.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**MICHIGAN STATE UNIVERSITY**

College of Agriculture and Natural Resources Assistant  
Professor. Ph.D. degree in a plant science discipline  
and/or Applied Statistics with a specialization in spatial  
statistics or a related field. Closing date: May 15, 2000.

**SAMUEL ROBERTS NOBLE FOUNDATION, INC.**

Soil Fertility & Crops Specialist. MS degree in  
Agronomy or Soil Fertility & Crops Science, or closely  
allied discipline. Closing date: Open until a suitable  
candidate is hired.

**UNIVERSITY OF CALIFORNIA**

Division of Agriculture & Natural Resources North Coast  
& Mountain Region, Watershed Management Advisor.  
Master's degree in Watershed Management, Natural  
Resources Management, Ecology, Range Management,  
Environmental Science, fisheries or a Closely related  
field is required. Closing date: May 1, 2000.

11/10  
9 Ag 86a

# Agronomy Gleanings

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March 27, 2000

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## ANNOUNCEMENTS

Floating Holiday, Friday, March 31, 2000. University offices closed.

Obituary: Philip C. Kunkel died Tuesday, March 21. His wife, Avis, was a former administrator in the department. Children are daughters, Karla, Lori Perry and husband Kevin; son, Charles; grandchildren, Amber and Sam Perry, Charles Gendron and Tyler Kunkel.

Call for research grant proposals--Title: "Biology Risk Assessment Research Grants Program for FY 2000; Proposals and Input Requests." Sponsor: USDA: Agricultural Research Service, Cooperative State Research, Education, and Extension Service. Deadline: April 10, 2000. Brief Description: To support science-based biotechnology regulation, thereby helping to address concerns about the effects of introducing genetically modified organisms into the environment and helping regulators to develop policies regarding such introduction. Please see Jeanne Davy for further details.

## SEMINARS

April 1 Southern Research and Outreach Center: "Horticulture Day," Waseca High School.

April 3 Applied Plant Sciences, Peter Imle, "Nutritional Genomics," 3:30 p.m., 306 Borlaug Hall.

Genetics, Cell Biology, and Development, Ronald Ellis, Ph.D., Department of Biology, University of Michigan, Ann Arbor, "Control of Sexual Fate in Germ Cells," 3:30 p.m., B45 Classroom Office Building.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

OREGON STATE UNIVERSITY  
Area Extension Faculty, Berry Crops (Assistant Professor). Master of Science degree with at least one degree in horticulture or a closely related field required. Closing date: April 17, 2000.

Postdoctoral Research Associate, Plant Genomics and Molecular Breeding, Department of Crop and Soil Science, Oregon State University, Corvallis, Oregon. Ph.D. degree in plant breeding, molecular genetics, or a related field required. Closing date: March 31, 2000.

UNIVERSITY OF FLORIDA  
Molecular Physiologist-Assistant Professor. Ph.D. in plant physiology, plant biochemistry, genetics and/or plant molecular biology or closely related area is required. Closing date: May 30, 2000.

UNIVERSITY OF MINNESOTA  
Assistant Professor Department of Animal Science in the area of poultry production. Ph.D. in Poultry Science, Animal Science or closely related field. Closing date: May 15, 2000.

UNIVERSITY OF MISSOURI LINCOLN  
Agronomy Specialist, outreach and extension. Master's of Science degree or beyond in a field of study in agriculture and/or soil science with college level courses in production agriculture required.

NORTH DAKOTA STATE UNIVERSITY  
Research Specialist, Central Grasslands Research Center, Streeter, ND. MS degree in Range/livestock related field or adequate experience. Closing date: May 1, 2000.

Alia  
Gly86a

# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
April 3, 2000

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## ANNOUNCEMENTS

The Ms. Foundation for Women has launched its 8<sup>th</sup> annual "Take Our Daughters To Work" day on Thursday, April 27, 2000, as a public education campaign to promote self-confidence in young women. The University of Minnesota, St. Paul Campus has planned an event to welcome daughters, granddaughters, nieces, and friends into our workplace where they can learn about opportunities at the University. This program is for all ages but geared specifically for those from ages 9 to 15. Guests 8 years and under require a host during the entire event. Please direct any questions to [tratz001@umn.edu](mailto:tratz001@umn.edu).

The family of Richard Meronuck would like to thank the department for your expression of sympathy and the beautiful flowers.

Please welcome Adrianus Vrolijk, from the Netherlands, to the department. Ad will be with us through July 1 working on mapping slow crown rusting genes in oats.

A Cell Wall of Glass is Class! Take 4850 Freshwater Algae to learn about diatoms and other plant-like critters at the U of M Lake Itasca Forestry and Biological Station Summer Biology Program. For more information, call the Lake Itasca Office at 624-6743 or see the website at <http://biosci.cbs.umn.edu/itasca>.

## SEMINARS

April 5 Southwest Experiment Station - Lamberton, Elizabeth Dyck, Assistant Professor: "An Update of Programs at the Southwestern Outreach and Research Center at Lamberton." 3:30 p.m., 415 Alderman Hall.

Soil, Water, and Climate, Becky Thusty, SWAC: "The Application of the Geographic Mosaic Theory of Coevolution to Rhizobia and its Hosts."

3:00 p.m., 375 Borlaug Hall.

WUSA, Eric Streed, Extension for CINRAM, "Can Growing Hybrid Poplar Fit in With the Sustainable Agriculture Movement?" Noon, 306 Borlaug Hall.

April 6

Biological Process Technology Institute, Richard A. Gross, Professor and Herman F. Mark Chair, Polytechnic University Brooklyn, NY: "In-Vitro Enzyme Catalyzed Polymer Synthesis: Natural Catalysts Doing Non-Natural Things." 3:30 p.m., Eustis Amphitheatre D230 Mayo, Minneapolis Campus.

April 10

Department of Rhetoric, Department Head Candidate Dr Edward Schiappa, Professor Department of Speech Communication and Associate Dean of the Graduate School, University of Minnesota: "The Future of Rhetoric and Scientific and Technical Communication and the Land Grant University." 9:00 a.m., 125 Coffey Hall.

Plant Molecular Genetics Institute, Janet Schottel. Noon, 239 Gortner Lab.

Applied Plant Sciences, Nadiya Al-Saady, "Analysis of the Sugarcane Bacilliform Virus Promoter in both Monocots and Dicots." 3:30 p.m., 306 Borlaug Hall.

Department of Genetics, Cell Biology, and Development, Mario R. Capecchi, Ph.D., Departments of Biology

Oncological Services, Human Genetics,  
and the Howard Hughes Medical  
Institute, University of Utah, Salt Lake  
City: "*How Do Hox Genes Specify Our  
Body Plan?*" 3:30 p.m., B45 Classroom  
Office Building.

**POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

**MONTANA STATE UNIVERSITY**

Research Associate in Weed Science/Agronomy,  
Northwestern Agricultural Research Center, Montana  
State University. M.S. in Weed Science, Agronomy, or  
closely related discipline required. Closing date: June 1,  
2000.

**NORTH DAKOTA STATE UNIVERSITY**

Production of High Value Crops, Department of Plant  
Sciences. Ph.D. in plant sciences, horticulture,  
agronomy, or related discipline required. Closing date:  
May 25, 2000.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

April 10, 2000

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

The Twenty-seventh annual H.K. Hayes Memorial Lecture and Hayes Graduate Student Award will be held on Thursday, April 27, 2000. The H.K. Hayes Graduate Student Award will be presented from 4:00-4:30 p.m. in 306 Borlaug Hall, with a reception to follow from 4:30-5:00 p.m. The Hayes Memorial lecture, "Role of Modern Biotechnology for Food Security in Developing Countries," by Dr. Per Pinstrup-Anderson, Director General International Food Policy Research Institute, Washington, D.C., will be held from 7:00-8:00 p.m. in Room 135AC, Earle Brown Continuing Education Center.

The Civil Service Excellence Award Presentation has been rescheduled for Wednesday, April 12. It will be held in 306 Borlaug Hall at 3:00 p.m. Please join us in honoring this year's winner! Refreshments will be provided and longevity awards presented.

'The New Language of Farm Policy: Engaging Consumers, Labor, Environmentalists and Farmers in Shaping the Future of Food and Agricultural Systems' Symposium will be held at the St. Paul Student Center Theater on April 12, 2000, from 9:00a.m. - 12:00 p.m. Several lecturers will be addressing agricultural policy and related issues.

The Institute for Agriculture and Trade Policy and the Science and Environmental Health Network put together a publication called "Genetic Engineering and the Precautionary Principle - Information for Extension." Anyone who would like a copy can pick one up in the MISA office. A limited number are available.

Attention Shape-Up Challenge participants! Please report all of your points to your team captain by Monday. Jim Halgerson needs to hear from all team captains and individuals each Monday. Everyone who earns 200 points or more for a week will be entered into a drawing for that week. We will announce the winners in the

Gleanings or by email. Next week's drawing will be for a \$20 gift certificate to Rainbow Foods, so start earning points today to enter the drawing! Wednesday, April 12 you can earn double points by walking or exercising with a coworker at noon. Have fun earning points!

Reminder: The next COAFES health and Safety Training session is on Wednesday, April 12. All faculty, staff, and students are encouraged to attend appropriate sessions. For more information see the web site at <http://www.coafes.umn.edu/safety/training.html>.

The Cooperative State Research, Education, and Extension Service (CSREES) is announcing a new program entitled "The Initiative for Future Agriculture and Food Systems (FAFS)." The purpose of this initiative is to support research, extension, and education across topic areas defined in Section 401 of the Agricultural Research, Extension, and Education Reform Act of 1998. The request for proposals is clearly outlined in the CSREES web page You may access it via [www.reeusda.gov/ifafs](http://www.reeusda.gov/ifafs). The initiative has \$113 million available for competitive grants in 2000 in six priority areas: agricultural genomics; agricultural biotechnology; food safety, food technologies and human nutrition; new uses for agricultural products; natural resource management, including precision agriculture; farm efficiency and profitability.

## SEMINARS

April 11 Plant Biology, Dr. Allison Snow, Ohio State University: "Gene Flow from Transgenic Crops to Weeds." 3:30 p.m., 335 Borlaug Hall.

April 12 Horticultural Science, Bruce Cunliffe - Graduate Student, Horticulture: "Propagation and Porosity Study of Ornamental Grasses." 3:30 p.m., 415 Alderman Hall.

April 13 Biological Process Technology Institute, John Aunins, Merck Research Laboratories. 3:30 p.m., 239 Gortner Labs.

April 14 Special Seminar, Dr. Roy Fuchs, Director Scientific Outreach and Regulatory Science Monsanto: "*Status and Safety of Plant Biotech Products.*" 3:00 p.m., St. Paul Student Center Theater.

April 17 Applied Plant Sciences, Lynn Litterer: "*Functional Genomics of UDP-Glucuronic Acid Biosynthesis in Soybean.*" 3:30 p.m., 306 Borlaug Hall.

Genetics, Cell Biology, and Development, Mary Ellen Conley, M.D., Department of Immunology, St. Jude Children's Research Hospital, Memphis, Tennessee: "*Defects in Early B Cell Development.*" 3:30 p.m., 2-101 BS&BE, 312 Church Street SE, Minneapolis Campus.

The Agricultural Retirees' Club, Cornelia Flora: "*Our Rural Social Landscape What's Ahead?*" 1:30 p.m., St. Paul Student Center Theater.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

##### PURDUE UNIVERSITY

Research Geneticist, Small Grains. Ph.D. in Genetics and Plant Breeding or related area required. Closing date: June 1, 2000.

##### UNIVERSITY OF CALIFORNIA

County Director and Livestock/Watershed Advisor, North Coast & Mountain Region. A Master's degree in agricultural science, natural resources, or a closely related field is required. Closing date: May 15, 2000.

##### UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION

Viticulture Advisor. A Master's Degree in biological, agricultural, or plant science, preferable specializing in viticulture, is required. Closing date: June 1, 2000.

##### UNIVERSITY OF MINNESOTA

College of Human Ecology-Undergraduate Student Services Support Assistant. Education and experience totaling five years required.



MW  
E. Johnson

# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
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April 17, 2000

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## ANNOUNCEMENTS

Note corrected times—The Twenty-seventh Annual H.K. Hayes Memorial Lecture and Hayes Graduate Student Award will be held on Thursday, April 27, 2000. The H.K. Hayes Graduate Student Award will be presented from 3:00-3:30 p.m. in 306 Borlaug Hall, with a reception to follow from 3:30-4:30 p.m. The Hayes Memorial Lecture, "Role of Modern Biotechnology for Food Security in Developing Countries" by Dr. Per Pinstrup-Andersen, Director General, International Food Policy Research Institute, Washington, DC, will be held from 7:30-8:30 p.m. in Room 135AC, Earle Brown Continuing Education Center, St. Paul Campus.

Friends—The flower basket is beautiful! It is so nice to be remembered. Love, Avis

Congratulations to Ed Schiefelbein and Ross Daml for being elected to the Civil Service Liaison Committee.

The 2000 Civil Service Excellence Award was presented to Jean Swanson.

### Civil Service Longevity Awards—

Five Years—Eric Boehlke, Sheri Huerd, Art Killam

Ten Years—Kate Plaisance

Fifteen Years—Lynne Medgaarden, Jayanti Suresh, Jean Swanson

Twenty Years—Eric Ristau, Jeff Roessler, Teresa Schoeder-Sheaffer

Twenty-Five—Mike McClellan, Donn Vellekson

Thirty Years—Jim Halgerson

Shape-Up Challenge—This past week's winner of the \$20 Olive Garden certificate was Lynn Litterer. The top three individuals were David Matteson(1530pts), Charlie Gustus(1023pts), and Leanne Matthiesen(1010pts). The top three teams were The Wheaties(663pts), Quack Malter (603pts) and Alfa Pro Breeders(552pts).

The Institute for Agriculture and Trade Policy and The Science and Environmental Health Network put together a publication called "Genetic Engineering and the Precautionary Principle—Information for Extension." Anyone who would like a copy can pick it up at the MISA office. A limited number are available.

## SEMINARS

April 19 The Guy Stanton Ford Memorial Lecture, by historian and author, Stephen E. Ambrose, 10:15 a.m., Ted Mann Concert Hall, West Bank Campus.

April 20 FS&N, "Protein Research and the Basis of Cereal Functionality," by Jerry Bietz, 2000 Geddes Memorial Lecturer, 10:30 a.m., Room 23, Department of Food Science and Nutrition. Refreshments will be served at 10:30; seminar will follow.

BPTI, "Principles of Computational Gene-Finding," Dr. John Crow, Computational Biology Center, Academic Health Center, Univ. of Minnesota, 3:30 p.m., Eustis Amphitheater D230 Mayo, Minneapolis Campus.

April 21 Interview Seminar, Southwest State Univ./Univ. of Minnesota Teaching/Research position, David Fischer, 9:00 a.m., 306 Borlaug Hall.

April 24 Applied Plant Sciences, "The Genetic Diversity and Specificity of Native Legumes and Their Associated Rhizobia Bacteria," Krista James, 3:30 p.m., 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**MICHIGAN STATE UNIVERSITY**

Industry/University Liaison Specialist in potato, Department of Crop and Soil Sciences, E. Lansing. B.S. (M.S. preferred) in agronomy or related field along with 5 years experience in potato production. Closing date: May 15, 2000

**UNIVERSITY OF ARKANSAS**

Assistant/Associate Professor, Soil Testing, Soil Testing Diagnostic Laboratory, Fayetteville. Ph.D. in soil science with experience in soil and plant analytical techniques. Closing date: June 1, 2000 and will continue until suitable candidate identified.

**ALABAMA COOPERATIVE EXTENSION**

Multi-County Extension Agent, Monroeville. Bachelor's degree in agriculture economics, pest management, agronomy, or a related field. Master's degree preferred. Closing date: May 12, 2000 or until qualified applicant is found.

**CHIPPEWA NATIONAL FOREST**

Two temporary Biological Technician (Botany) positions, Blackduck, MN. See the Usajobs web site for full details and instructions on how to apply <http://www.usajobs.opm.gov/wfijic/jobs/IK1586.H> TM.

# Agronomy Gleanings

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April 24, 2000

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## ANNOUNCEMENTS

The Twenty-Seventh Annual H.K. Hayes Memorial Lecture and Hayes Graduate Student Award will be held on Thursday, April 27, 2000. The H.K. Hayes Graduate Student Award will be presented from 3:00-3:30 p.m. in 306 Borlaug Hall, with a reception to follow from 3:30-4:30 p.m. The Hayes Memorial Lecture, "Role of Modern Biotechnology for Food Security in Developing Countries" by Dr. Per Pinstrup-Andersen, Director General, International Food Policy Research Institute, Washington, DC, will be held from 7:30-8:30 p.m. in Room 135AC, Earle Brown Continuing Education Center, St. Paul Campus.

The 8<sup>th</sup> Annual Take Our Daughters To Work Day will be held on Thursday, April 27, 2000. The Ms. Foundation for Women has launched the campaign to promote self-confidence in young women. A University of Minnesota, St. Paul Campus event has been planned to welcome daughters, granddaughters, nieces, and friends into our workplace where they can learn about some of the opportunities at the University. This program is for all ages but geared for girls ages 9 to 15. Guests 8 years and under require a host during the entire event. Please direct any questions to [trat2001@tc.umn.edu](mailto:trat2001@tc.umn.edu).

Agronomy Shape-Up Challenge: The sun is out this week, so everyone should get their 200 point to get into the drawing! Week two's drawing for a \$20 gift certificate to Rainbow Foods went to Josh Larson of the Beans R Us team. Week three's drawing for the Olive Garden (\$20) has yet to happen. Get your points in to your captain early on Monday so they can report them to Jim Halgerson before the winner is drawn. Week four's drawing will be for another \$20 gift certificate to Rainbow Foods.

Week Two Team leaders are the Forageurs (452), the Wheaties (432), and the Alfa Pro Breeders (381). Our individual leaders for week two were David Matteson (1230), Melissa Huhn (765) and Gary Linkert and Don Ralstonboth (680).

The masseuse, Coca, was quite a hit. She worked from about 11:00 a.m. when she arrived until 2:00 p.m. and there were still people hoping to sign up. This week double points day is Friday if you walk with a coworker (or two or three...). The next week will be the Agronomy mile, so be prepared to walk with your coworkers. We will have a route mapped out through the St. Anthony neighborhood if that appeals to you more than the field route.

## SEMINARS

April 25 M.S. Thesis Defense Seminar, Kristin Mercer: "*Genetic Variation of Quackgrass (Elytrigia repens) Populations From Three Farming Systems.*" 9:00 a.m., 306 Borlaug Hall.

April 27 Biological Process Technology Institute, Dr. John Crow, Computational Biology Center Academic Health Center, University of Minnesota: "*Principles of Computational Gene-Finding.*" 3:30 p.m., Eustis Amphitheater D230 Mayo, Minneapolis Campus.

May 1 Applied Plant Sciences, Rachel Mann: "*Arabidopsis Get Your Gun: Investigating the mechanism(s) of Microprojectile Bombardment-mediated Transgene Integration in a Model Plant.*" 3:30 p.m., 306 Borlaug Hall.

Genetics, Cell Biology, and Development, Maximilian Muenke M.D., National Human Genome Research Institute, NIH: "*Genetic Approaches to Understanding Brain Development.*" 3:30 p.m., 2-101 BS&BE Minneapolis Campus.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE**

Landscape Ecologist/Geographer. Ph.D. degree in ecology, geography, agriculture or a related field required. Closing date: April 30, 2000.

**KANSAS STATE UNIVERSITY**

Research/Extension Faculty appointment in Food Crops (Primary emphasis - Fruit). A Ph.D. in horticulture with an emphasis in food crops in required. Closing date: July 1, 2000.

**NORTH DAKOTA STATE UNIVERSITY**

Carrington Research Extension Center, Research Specialist. Bachelors of Science degree in agronomy or related field required. Closing date: May 8, 2000.

**OREGON STATE UNIVERSITY**

Extension horticulturist. Master's degree required, with at least one degree in horticulture or a closely related field. Closing date: May 19, 2000.

**OGBA**

Certification Committee Activity Leader. Background in organic food production/processing, audit trail documentation, and detail orientation ideal.

**PURDUE UNIVERSITY**

Weed Science Research/Teaching Assistant Professor. Candidates must have a Ph.D. in Weed Science or in a closely related discipline plus experience in Weed Science. Closing date: June 30, 2000.

**UNIVERSITY OF CALIFORNIA**

Forest Advisor-Forest Management & Ecology. A minimum of a Master's Degree in forest management, forest ecology, resource management or closely related field with a sound understanding of applied forest management is required. Closing date: May 8, 2000.

Pomology/Horticulture/Specialty Crops Advisor. A minimum Master's Degree in plant science, pomology, horticulture, or a closely related field is required. Closing date: May 22, 2000.

**YOUNG WOMEN IN SUSTAINABLE AGRICULTURE SUMMER PROGRAM**

Program Coordinator. Horticultural/Agricultural skills and knowledge, especially related to sustainable agriculture and organic farming. Closing date: May 12, 2000.

MU  
gAgSba

# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
May 1, 2000

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## ANNOUNCEMENTS

The Board of Regents of the University of Minnesota, upon recommendation of the faculties, award Dr. Takumi Izuno the University of Minnesota Outstanding Achievement Award, to be awarded on Sunday, May 7, 2000 at the College of Agricultural, Food, and Environmental Sciences Commencement Ceremony in Northrup Auditorium.

Reminder that the St. Paul Campus Retirement lunch is coming up on May 16. Tickets are \$7.25 for a hot turkey lunch and should have been purchased by Friday, April 28 at the post office in the student center.

### Applied Plant Science Program Update:

In February we had a big recruiting event for the Applied Plant Science Graduate Program (combined Agronomy, Horticulture, Plant Breeding). We want to thank everyone who participated and report that as of this date we have 13 new graduate students starting during the summer and fall and we are waiting for replies from three more offers. Two of the new students were awarded fellowships from the Graduate School, Chris Herman and Jessica Hess. Jessica will also receive a MacArthur Fellowship. We are also pleased to report that Philippe Seguin, Plant Breeding Ph.D. Candidate, has been selected to receive the Hamm Scholarship from the U of M. These are the students who are joining the APS Grad Program: Ben Also - B.S. from U of Maryland (Muehlbauer); David Bowe - B.S. from Brigham Young U (J. Anderson); Federico Condon - B.S. College of Ag/Uruguay (J. Anderson); Nicole Gardner - B.S. from Brigham Young U (Open RA in Hort); Kristine Giese - B.S. U of M (Galatowitsch in Hort); Nadalia Gomez - B.S. from U of Panama (N. Anderson in Hort); Gretchen Hatch - B.S. from U of M (Markhart); Chris Herman - B.S. from Macalester College (Ehlke/Sheaffer); Jessica Hess - B.S. from Brigham Young U (Stuthman/Jordan); Karin Kettenring - B.S. from Oberlin College (Galatowitsch in Hort); Neil Mattson - B.S. from U of M Morris (Erwin in Hort); Bill Wingbermuehle - B.S. from

U of Missouri (K. Smith); Iona Dinu - B.S. from Romania (C. Thill in Hort).

M.S. Thesis Defense Results: Kristin Mercer, Kristen Corselius, and Mary Ann Start have all successfully defended their Master's degrees. Congratulations.

### Agronomy Shape-Up Challenge:

We have already completed more than half of the Shape-Up Challenge. You will be reporting your 4th week of points to your team captains today. The winner of the \$20 gift certificate to The Olive Garden for week three was Gosia Bury of the Forageurs. Please report your points each week so you can be entered in this drawing. Week four's gift certificate is to Rainbow Foods. There will be several Target gift certificates given at the end of the 6 weeks, so get all your points in before the end of the Challenge to be eligible for that drawing.

Week three's top individuals were David Matteson with 1530 points, Charlie Gustus with 1254 points, Leanne Matthiesen with 835 points, Art Killam with 830 points, and Kari Mc Gowan with 810 points.

I have been asked about the names of teams, the number of teams, and the teams in general, so here is a list of the teams and their weekly average for the first 3 weeks of the Challenge.

Wheaties	574
Forageurs	480
Alfa Pro Breeders	439
Quack Malters	394
Beans R Us	342
2% Agarose Gels	301
Soybean-Oat Hybrids	292
Eddy Oatlies	279
Chickadees	268
The Feds	267
Buffet Lovers	252
Tres Tortugas	247
Bad Seeds	246
Cytogenetics	242
Elite 8+2	228
Dungeon Rats	189

There are six individual participants, as well. Your double point day is Monday for this week. You get double points for the Agronomy Mile!

### SEMINARS

- May 3 WUSA, Dana M. Blumenthal: "*The New Immigrant Agriculture Project: An Intern's View.*" Noon, 306 Borlaug Hall.
- Horticultural Sciences, Karen Jeannette. 3:30 p.m., 415 Alderman.
- May 5 Biosystems & Agricultural Engineering, John Shutshk, Associate Professor and Extension Agricultural Safety and Health Specialist: "*What Do Rapid Changes in Technology, Genetic Engineering, Communications, and Demographics Mean for Our Work in BAE and COAFES?*" 2:00 p.m., 106 BioAgEng Building.
- May 8 Genetics, Cell Biology, and Development, Caroline S. Hill, Ph.D., Laboratory of Developmental Signaling Imperial Cancer Research Fund, London, United Kingdom: "*Signaling by the TGF- $\beta$  Superfamily in Early Vertebrate Development.*" 3:30 p.m., 2-101 BS&BE, Minneapolis Campus.
- May 9 Phillip C. Hamm Memorial Lecture, Dr. Seppo Kellomäki, Faculty of Forestry, University of Joensuu, Finland: "*Impacts of Climate Change on Boreal Forest Ecosystems: Challenges and Opportunities for Science and Forest Management.*" 3:30 p.m. Reception, Earle Brown Center Lobby, Upper Level; 4:00 p.m. Lecture, 135AC Earle Brown Center.

### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**THE DREAM OF WILD HEALTH NETWORK**  
Graduate or undergraduate research assistant. Applicant must be a registered graduate or undergraduate student for duration of appointment. Closing date: May 9, 2000.

**EQUITABLE ALTERNATIVE FOOD SYSTEM PROJECT**  
Graduate Research Assistant. Applicant must be a registered graduate student for the duration of appointment. Closing date: May 9, 2000.

**OREGON STATE UNIVERSITY**  
Nursery Crops Researcher. Minimum of a Ph.D.

degree with at least one degree in horticulture or related field required. Closing date: May 30, 2000.

**PURDUE UNIVERSITY**  
Weed science Research/teaching at the Assistant Professor rank. A Ph.D. in weed science required. Closing date: June 30, 2000.

Department of Botany and Plant Pathology weed science extension position. Candidates with graduate degrees in weed science are preferred. Closing date: July 1, 2000.

# Agronomy Gleanings

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May 8, 2000

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## ANNOUNCEMENTS

Please e-mail Gleanings announcements to Jean Swanson at [swans008@tc.umn.edu](mailto:swans008@tc.umn.edu).

Phillip C. Hamm Memorial Lecture, Dr. Seppo Kellomäki, Faculty of Forestry, University of Joensuu, Finland, "Impacts of climate change on boreal forest ecosystems: challenges and opportunities for science and forest management," Tuesday, May 9, 2000. Reception at 3:30 p.m., Earle Brown Center Lobby, Upper Level, refreshments served. Lecture at 4:00 p.m., 135AC Earle Brown Center, St. Paul Campus. Philippe Seguin will receive the Hamm Scholarship for Graduate Students.

Grant Resource Seminar -- The Northrup King Development Committee would like to invite faculty and staff to a grant resource seminar Wednesday, May 17, 9:00 a.m. to 2:00 p.m. in 306 Borlaug. This seminar will concentrate on the available resources offered by the University. This is not a grant writing seminar but rather a grant informational and organizational seminar. Invited speakers are: Edward Wink, Sponsored Projects Admin. and Winifred Schumi, Oversight Analysis and Reporting, 9:00 a.m.; Ron McDonald, U of M grant writing specialist, 10:00 a.m., and Edward Welsch, grants coordinator, Food Science and Nutrition, 11:00 a.m. Box lunches will be provided at 12 noon (RSVP Jean 625-2740). Open discussion, 1:00-2:00 p.m. Invited speakers will share their expertise and welcome questions from you.

Reminder: Bob Busch's retirement party is Friday, May 19. Dinner sign-up and memory book letters are due to Ginger Walker (403 Hayes Hall) by next Monday, May 15th.

Congratulations -- Ron Phillips will receive an honorary doctorate degree from Purdue Univ. at their May 13 commencement. In a letter from President Beering, it states that "This is the highest honor the University bestows upon individuals of exceptional attainment and merit." Judy will accompany Ron to Purdue as will his son from Houston, Brett, and daughter, Angela, from San Diego.

Visiting Student -- Jurg Hiltbrunner arrived last week from Switzerland. Jurg is studying at the Swiss Federal Institute of Technology Zurich (ETH). He will be here through the beginning of September to work on biological control of Canada thistle, focusing on *Pseudomonas syringae* pv. *tagetis* (PST), to complete a thesis requirement for his degree at ETH. Please join me in welcoming Jurg. Roger Becker

Birth -- Alyssa Lea Jackson was born to parents Scott and Julie on Friday, May 5. Alyssa weighed 7 lbs, 5 oz and was 20 1/4 inches long. Her older sister, Emily, is 2 1/2 years old.

Marriage -- Susan Eldredge and Dula Parkinson were married on May 5. Susan was a graduate student in our department during fall semester.

The Graduate and Professional Student Assembly (GAPSA) needs your help! If you are a graduate or professional student, you can make a difference in the U of M by serving on a committee for the 2000-2001 school year. This is your chance to make sure that your concerns and the needs of the graduate and professional student community are addressed! Want more information? Go to <http://gapsa.stu.umn.edu> or call 612-625-2982.

Agronomy Shape-Up Challenge -- The winner of the drawing for week 4 was Ruby Larson of The Bad Seeds. She will receive a \$20 gift certificate for Rainbow Foods. Next week's drawing is for a \$20 gift certificate to The Olive Garden, so get those points in to Jim Halgerson by Monday afternoon. The Team Leaders for week 4 were the Alfa Pro Breeders (573 pts.), Wheaties and Quack Malters (563 pts) and The Feds (524 pts). The individual leaders in week 4 were Keith Henjum (Alfa Pro Breeders) and Charlie Gustus (Wheaties) with 1420 pts, David Matteson (Forageurs) with 1310 pts, and Lloyd "Buzzard" Cruickshank (Alfa Pro Breeders) with 870 pts. The overall individual leaders are David Matteson with 1380 pts, Gary Linkert with 843 pts, and Melissa Huhn with 838 pts. This week the double point day is Tuesday, May 9th. You get double points for the whole day.

#### SEMINARS

May 9      COAFES Symposium, "A Scientific Assessment of the Ecological Impacts of Transgenic Plants and Microbes: Potential Benefits and Risks," 8:30 - 12:00 noon, St. Paul Student Center Theater.

Dissertation Defense, Emily E. Pullins, "Photomorphogenic Responses and Shade Avoidance Syndrome of Soybean Genotypes Under Field Conditions," 1:00 p.m., 306 Borlaug Hall.

May 11      Plant Biology Candidate for Headship, Scott Rogers, State University of New York, "Time Passages Through Modern and Ancient Specimens," 11:00 a.m., 306 Borlaug Hall.

May 16      Project Revision Discussions, Steve Simmons and Paul Porter, 9:00 to 10:30 a.m., 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF MINNESOTA  
Dairy Extension Educator and Assistant Professor, Dept. of Animal Science and the College of Agricultural, Food, and Environmental Sciences, St. Paul. A minimum of a Masters degree in an agricultural science or Doctor of Veterinary Medicine and at least 2 years additional university or industry experience in educational program development. Closing date: June 30, 2000

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
Assistant/Associate Professor, Plant Pathology, Department of Crop Sciences. Ph.D. in plant pathology or a related discipline is required. Closing date: July 1, 2000

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
Assistant/Associate Professor, Soybean Cyst Nematode Management. Ph.D. in nematology or in pest management or related discipline with extensive training and experience in nematology required. Closing date: September 1, 2000

THE OHIO STATE UNIVERSITY  
Assistant/Associate Professor, Wheat Genetics and Breeding, Department of Horticulture and Crop Science, Wooster. Ph.D. degree in Plant Breeding or Genetics with post-doctoral experience preferred. Closing date: June 15, 2000

DELTA AND PINE LAND COMPANY  
Assistant Molecular Cotton Breeder, Scott, MS. M.S. degree in Molecular Biology, Genetics or Plant Breeding, or a B.S. degree in Biology or related field with at least one year of experience in a molecular biology laboratory. Closing date: May 31, 2000

UNIVERSITY OF NEBRASKA-LINCOLN  
Postdoctoral Research Associate, C Sequestration in Irrigated Maize Systems. Ph.D. in crop or soil science, or a related field and experience in use of simulation models and ability to modify existing models based on research results. Closing date: June 20, 2000



MW  
J. Agosta.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

May 15, 2000

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Please e-mail Gleanings announcements to Jean Swanson at [swans008@tc.umn.edu](mailto:swans008@tc.umn.edu).

Reminder that the St. Paul Campus Retirement lunch is today Tuesday, May 16.

Reminder: Bob Busch's retirement party is Friday, May 19.

Open house on Tuesday, May 23<sup>rd</sup> at the St. Paul Student Center in the Minnesota Commons Room from 3:00 p.m. to 7:00 p.m. about the design standards for exterior development of our Twin Cities campus. Feel free to stop in at any time to discuss and give feedback about what is happening around campus.

Birth - Craig and Teresa are delighted to announce the arrival of Lewis Maddock Sheaffer, born Tuesday, May 9<sup>th</sup> at 6:20 p.m. and weighed 7 pounds 15 oz., 20 inches long. Proud big brothers are Mitchell, 8 years old, and Parker, 5 1/2 years old. Congratulations!!

Shape up Challenge Participants: This is the last chance to get all your points to Jim Halgerson. If you get all your 6 weeks points in today, you can still qualify for the drawings for the Target gift certificates that will be awarded at the Grand Finale on Thursday.

Week five's winner of the Olive Garden gift certificate was Keith Henjum. The week five team leaders are Soybean-Oat Hybrids (695pts), Alfa Pro Breeders (615pts) and Beans R Us (576pts). Where are the Forageurs and Wheaties?? The overall team leaders going into the 6<sup>th</sup> week were Forageurs (462pts), Wheaties (446pts) and Alfa Pro Breeders (417pts). The individual leaders for week 5 are Keith Henjum

(1625pts), Kim Torbert (1330pts), and Joachim Schultze (1170pts). It's great to see some new names for leaders!

The Grand Finale is planned for Thursday May 18<sup>th</sup> from 2:30-3:30 in 306 Borlaug. There will be treats and prizes. We hope everyone can make it!

## SEMINARS

May 16 Project Revision Discussions, Steve Simmons and Paul Porter, 9:00 to 10:30 a.m., 306 Borlaug Hall.

May 17 Grant resource seminar, The Northrup King Development Committee, 9:00 a.m. to 2:00 p.m. in 306 Borlaug Hall.

"Comparing Online and Inclass Learning in Hort 1003," Karen Jeannette, 3:30 p.m. to 4:30 p.m. in room 415 Alderman Hall.

May 22 Thesis Defense Seminar, "The Effect of Time of Day of Application, Rate and Adjuvant on Annual Weed Control with Glyphosate and Glufosinate," Krishona Martinson, 9:00 a.m. in 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**University of Minnesota**

Summer job available as an office assistant, USDA-ARS-St. Paul. Duties include answering the phone, copying, simple word processing, mailing, and other office assignments. Pay would be \$7.25/hour for a high school student (at least 16 years of age) and from \$8.15 to \$9.99/hour for a college student depending on experience and qualifications. Contact Doreen Murray (5-9270) or Ginger Walker (4-0763).

**Oregon State University**

An Oregon State University Integrated Tree Production faculty member to be located in Hood River County and appointed in the Department of Horticulture or other appropriate department. The position is available at the Assistant/Associate Professor level. Will be expected to provide leadership, needs assessment, and direction in the planning, development and evaluation of educational programs. For full consideration, all materials must be received by: May 12, 2000.

**Extension**

Spoooner area agriculture agent for Burnett, Sawyer & Washburn counties in northwestern Wisconsin. Must have a master's degree with at least one degree in a field that relates to the responsibilities of the position such as agriculture economics. Closing date: June 14, 2000.

**North Carolina State University**

Assistant Professor - Natural Resource Management/Land Use Planning. 60% research - 40% teaching. 12-month appointment, tenure track, Department of Soil Science. Must have a Ph.D. in Soil science or related area. Closing date: January 1, 2001.

# Agronomy Gleanings

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May 22, 2000

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## ANNOUNCEMENTS

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The Annual Gleanings 2000 can now be viewed at the following web site: [http://www.agro.agri.umn.edu/gleanings/annual/2000\\_annual\\_gleanings.pdf](http://www.agro.agri.umn.edu/gleanings/annual/2000_annual_gleanings.pdf). I would especially like to thank Lee Hardman and Lynne Medgaarden for their excellent work in getting both the hard copy and the electronic version (a first) completed. Burle

Reminder: Monday, May 29 is Memorial Day holiday and offices will be closed. Enjoy the long weekend!

Open house on Tuesday, May 23<sup>rd</sup> at the St. Paul Student Center in the Minnesota Commons Room from 3:00 p.m. to 7:00 p.m. about the design standards for exterior development of our Twin Cities campus. Feel free to stop in at any time to discuss and give feedback about what is happening around campus.

Graduate Student Recognition Day: Department of Entomology on Thursday, June 1, 2000 at the St. Paul Student Center in the Minnesota Commons Room with the reception beginning at 2:00 p.m. The introduction of Hodson Alumni lecturer and presentation of Hodson Alumni award will begin at 3:00 p.m. "From Deterministic Models to Fuzzy Logic: Forecasting Outbreaks of the Russian Wheat Aphid...Maybe!" Dr. David Legg will be the lecturer.

### Agronomy Shape-Up Challenge Participants

Congratulations to all 116 participants of this year's Shape-Up Challenge. We had seventy-seven qualify

for the grand prize drawings. That means 66 percent of the participants kept a 200 pt or better average for the six weeks. Our sixth week winner of the \$20 Rainbow Foods gift certificate was Paulo Canci.

The winners in the grand prize drawings were: \$50 gift certificates to Target: Meagen Wyckoff and Juno Choi \$25 gift certificates to Target: Don Eide, Kelly Belina and Kim Torbert \$10 gift certificates to Target: Judy Slyter, Renan Pineda, Lynn Medgaarden, Ann Carlson, and Farial Karimian

The top three male finishers were Dave Matteson(1197pts), Charlie Gustus(1133pts), and Keith Henjum(1058pts). The top 3 female finishers were Leanne Mathiesen(791pts), Melissa Huhn(742pts), and Sue Miller(668pts).

The five teams with the highest averages were Wheaties(607pts), Alfa Pro Breeders(503pts), Quack Malters(479pts), Forageurs(472pts) and Beans R Us(396pts). One team was drawn from these five to win the free lunch at Nelson's Cheese factory. The winners were the Alfa Pro Breeders who declined because they had won it last year. The second team drawn were the Quack Malters who will be going to lunch.

We would like to say thanks to Lynne Medgaarden, Marilyn Swanson and Judy Slyter for their help in planning and organizing this year's Challenge. Also, a special thanks to Salli Weston for all of her help with the individual and team scores and the many other things she did this year. A big thanks to the Northrup King Committee for sponsoring it again this year and hope to see everyone signed-up next year! Jim Halgerson and Kathleen Storey

Second annual Staff Day will be held on Thursday, June 1, 2000 on the East End of the Washington Avenue Bridge in Minneapolis and the Student Center Terrace in St. Paul from 11:30 a.m. to 1:00 p.m. There will be entertainment, a free lunch, information tables, a short program with speakers, and a T-shirt for all CS/BU employees. **You must bring your letter as a voucher to receive your t-shirt.**

University News – Robert Jones, a professor of agronomy and plant genetics, is also currently vice provost for faculty and academic personnel, will serve as interim vice president for student development. Congratulations!!

Congratulations to Bill and Mary Jane Lueschen, first-time grandparents of Ryan, born Monday, May 15. Although Ryan was 3 months premature, weighing in at 2 pounds, 10 ounces, and 15 inches long, he is healthy and doing very well. Proud parents are Steve and Angie Lueschen of Blaine.

#### SEMINARS

May 25                    “Genetic Diversity of *Fragaria virginiana* in the Rocky.” Grey Horton, Horticulture Graduate student, 12:00 noon to 1:30 p.m. in Room 310 Alderman Hall.

May 30                    Project Review Seminars. Kevin Smith “Barley Breeding and Genetics” and Jim Orf “Soybean Breeding and Genetics,” 12:00 noon until 1:30 p.m. in 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

#### University of Minnesota

Summer job available as an office assistant, USDA-ARS-St. Paul. Duties include answering the phone, copying, simple word processing, mailing, and other office assignments. Pay would be \$7.25/hour for a high school student (at least 16 years of age) and from \$8.15 to \$9.99/hour for a college student

depending on experience and qualifications. Contact Doreen Murray (5-9270) or Ginger Walker (4-0763).

#### Oregon State University

Post-harvest physiology of horticultural crops at the assistant professor level. Must have a minimum of a Ph.D. degree in biochemistry, chemistry, horticulture, or closely related field. For full consideration, all materials must be received by September 1, 2000. Position is available October 1, 2000.

#### University of Minnesota-The Carlson School of Management

Applications are being accepted for the position of Associate Education Specialist. The position includes responsibilities such as coordination/administration/facilitation of Minnesota Mutual Honors Leadership Program, coordinates and delivers the career development components of a “for academic credit” and provides services to undergraduates. Must have a master’s degree, three years’ professional experience, and one year teaching/counseling experience. Closing date: May 30, 2000.

UW  
Ag86a

# Agronomy Gleanings

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May 30, 2000

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Celebrate, Reflect, and Congratulate: Please join us in celebrating Gerald Miller's 36 years of service at his retirement reception on Tuesday, June 6, 2000 from 3:00 p.m. until 5:00 p.m. with the program beginning at 3:45 p.m. The celebration will be held in North Star Ballroom at the St. Paul Student Center.

You are invited to a reception honoring Professor Ervin Oelke as he nears retirement from the University of Minnesota Friday, June 23 from 3:30 p.m. to 5:30 p.m. with the program at 4:00 p.m. in the Northstar Ballroom at the St. Paul Student Center. We will assemble a collection of letters, notes, photos or other remembrances to present to Dr. Oelke. If you wish to contribute to this collection, please send your item(s) by June 15. Also if you would like to make a nominal donation toward a retirement gift for Erv, please send it by June 15. Checks should be made out to Jean Swanson.

## SEMINARS

June 5 Defense Seminar, "The effects of spontaneous mutation on fitness and plant responses to shading in *Arabidopsis thaliana*" Christina Kavanaugh, Graduate Assistant in Plant Biological Sciences, at 1:00 p.m. in 306 Borlaug Hall.

June 14 Responsible Conduct for Research (RCR) Workshop, 1:00 p.m. - 4:00 p.m. in 239 Gortner Lab. Those who attended the workshop Part 1 in 1997 are only required to take Part 2. December 31, 2000 is the target date for all COAFES PI and co-Investigators to have taken both Parts 1 and 2.

## **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

### **University of Illinois**

Assistant Professor of Agroecology. Teaching position with emphasis on innovative approaches to diversify Illinois cropping systems, improve their sustainability, and profitability, and decrease their off-site effects by provision of environmental services to protect water, soil, biotic, and atmospheric resources.

### **Kansas State University**

Assistant Scientist, 1.0 time. Digital soil survey information from the Soil Survey Geographic (SSURGO) data base will be used to determine the value of agricultural lands for taxation. Must have at least an M.S. degree in Agronomy, Soil Science, Earth Sciences, or a related area with experience in geographic information systems plus demonstrated computer literacy. Starting date is July 1, 2000. Application deadline is June 15, 2000.

### **Natural Resource Specialist**

Primarily responsible for performing technical duties associated with the conservation of natural resources for the Columbia County Soil and Water Conservation District according to written and established policies. Must have graduated from a regionally accredited college or university with a bachelor's or associates's degree in conservation, natural resources, agriculture, agronomy, forestry, or closely related field and two years or five years of experience in agriculture, soil and water conservation work, or a closely related field. Closing date: July 1, 2000.

MIW  
Ag86a

# Agronomy Gleanings

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June 5, 2000

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## ANNOUNCEMENTS

**Buford Avenue Reconstruction: June 6 - August 25, 2000.** Buford will be closed from Cleveland Avenue to west Buford Circle. Eckles will be closed from Buford Avenue to the driveway south of Coffey Hall. The SPSC Campus Connector and St. Paul Campus Circulator bus stops are temporarily relocated to the east side of the Student Center on west Buford Circle. Also Metro Transit's Route 4U will stop on Carter at Eckles during construction. If there are any questions, call Steve Jordan at 612-625-8853.

**Celebrate, Reflect, and Congratulate:** Please join us in celebrating Gerald Miller's 36 years of service at his retirement reception on Tuesday, June 6, 2000 from 3:00 p.m. until 5:00 p.m. with the program beginning at 3:45 p.m. The celebration will be held in North Star Ballroom at the St. Paul Student Center.

**COAFES Awards RECEPTION:** The College of Agricultural, Food, and Environmental Sciences is proud to announce the winners of the 2000 Distinguished Staff Awards. Susan Miller will be receiving the Civil Service/Bargaining Unit Staff Award (scientific category). Watch her receive her award on Friday, June 16, 2000 from 2:30 p.m. to 3:00 p.m. in the Minnesota Commons of the St. Paul Student Center.

**Reception:** Please join us in honoring the achievements and contributions of our colleague, Susan Miller who is the recipient of the 2000 Distinguished Staff Award, on Tuesday, June 27, 2000 from 2:30 p.m. to 3:30 p.m. in the Minnesota Commons, St. Paul Student Center.

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**Reminder: Summer Field Days 2000**  
June 20 – SROC, Waseca  
June 21 – SWROC, Lamberton  
July 13 – WCROC, Morris

## SEMINARS

June 5      **Defense Seminar**, "The effects of spontaneous mutation on fitness and plant responses to shading in *Arabidopsis thaliana*" Christina Kavanaugh, Graduate Assistant in Plant Biological Sciences, at 1:00 p.m. in 306 Borlaug Hall.

June 7      "Non-Targeted Metabolic Profiling by FTMS and its Application to Functional Genomics Research" Dayan Goodenowe, Yol Bosum Inc. at 10:00 a.m. in 306 Borlaug Hall.

June 14 Responsible Conduct for Research (RCR) Workshop, 1:00 p.m. - 4:00 p.m. in 239 Gortner Lab. Those who attended the workshop Part 1 in 1997 are only required to take Part 2. December 31, 2000 is the target date for all COAFES PI and co-Investigators to have taken both Parts 1 and 2.

June 19 "Integrated Weed Management in Western Australian Farming Systems" Vanessa Stewart at 1:00 p.m. in 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**Pioneer Hi-Bred International, Inc.**

Research Scientist in the Research and Product Development -Associative Genetics in Johnston, Iowa. Must have a M.S. in a biological science or agriculturally related field with two to four years of directly related field experience with plant breeding and/or field evaluation procedures. Candidates with a B.S. and more extensive experience will be considered.

**Pioneer Hi-Bred International, Inc.**

Research Scientist in the Trait Development and Integration department in Woodland, CA. Must have a Ph.D. in crop physiology or physiological genetics. A solid understanding of plant breeding and molecular biology is also desired.

**University of Minnesota - St. Paul**

Assistant or Associate Professor in the Department of Horticultural Science. Responsibilities will be 70% research and 30% teaching. Must have a Ph.D. or equivalent in Plant Breeding, Plant Genetics, Horticulture, or related discipline with demonstrated expertise in plant genetics by date of appointment. Effective written and oral communication skills. For tenured appointments, the applicant must meet tenure criteria. Closing date: September 30, 2000.

**University of Arkansas-Division of Agriculture**

Post-Doctoral Research Associate. Must have a Ph.D. degree in plant sciences or molecular biology with substantial experience in recombinant DNA/RNA research methodologies, plant transformation techniques such as tissue culture, and molecular analysis of transformed plants. Position is available June 15, 2000 or until a suitable candidate is found.

**University of Illinois**

Assistant Professor of Agroecology. A faculty position with emphasis on conceiving and implementing sustainable, diversified, and profitable cropping systems for Illinois that provide important environmental services in the context of an urban state. Will be 60% research and 40% teaching in the Department of Crop Sciences. Closing date: September 1, 2000.



M100  
7/9/86a

# Agronomy Gleanings

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June 12, 2000

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You are invited: to help celebrate Delane Welsch's outstanding career at a Retirement Dinner and Dance. It will be held June 29, 2000 beginning at 5:30 p.m. at the University Club of St. Paul Downtown Clubhouse. Cost is \$32.00 per person. RSVP by June 20<sup>th</sup> and send payment to: Melissa Sullivan in the Department of Applied Economics.

Retirement party: A retirement party honoring Jerry Miller for his 36 years of service to the University of Minnesota will be held during the upcoming Summer Field Day at the Southwest Research and Outreach Center. A steak fry and program recognizing Jerry's contributions will be held Tuesday, June 20 starting at 5:30 p.m. Looking for interesting and/or unusual photos of Jerry as well as other materials or anecdotes. Please confirm your attendance with Molly at 507-752-7372.

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## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### University of Minnesota

Post-Doctoral Associate or Research Associate in the area of biochemistry or immunology or related field. This person will aid in research. Must have a Ph.D. in biochemistry or immunology or related field, and/or a combination of chemistry or biochemistry or immunology education and experience, to include laboratory experience. Closing date: June 30, 2000.

### University of Georgia

Assistant Professor/Extension Agronomist - Forages (2 positions available). These two positions are 100% Extension, 12-month tenure-track positions in the Department of Crop and Soil Sciences. Must have a Ph.D. in plant, soil or animal sciences with knowledge of forage production, management and utilization. Closing date: August 31, 2000.

### The Ohio State University

Director, Ornamental Plant Germplasm Center in the Department of Horticulture and Crop Science. Will formulate and implement policies, plans and programs necessary for the direction of all service, research and training/educational activities associated with the OPGC's mission. Must have a Ph.D. in an appropriate area of plant science and experience in the field. Closing date: August 1, 2000.

### Portage County Agriculture Agent

Is responsible for developing educational programs that provide information and create awareness of University of Wisconsin and other research findings, primarily in the commercial vegetable production area. Must have a Master's degree with at least one degree in a field that relates to the responsibilities of this position such as horticulture, agronomy, or soil science. Closing date: July 12, 2000.

### Michigan State University

Turfgrass Environmental Stewardship Program Specialist for the Department of Crop and Soil Sciences. Job responsibilities will be to conduct site visits at golf course properties and assist property managers in completing the environmental assessment process of the program. Must have a degree in turfgrass management or related field. Closing date: June 13, 2000.

### University of Maryland, College Park

The center for Scientific Computation and Mathematical Modeling is looking for a director. The director will have responsibility for the selection of the scientific foci of the center, the hiring of faculty and the administration of a graduate program in scientific computation and applied mathematics. Must have an established international reputation in applying computation to one of the scientific disciplines or in the development of algorithms which facilitate such computation.

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June 19, 2000

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(Posted in notebook in 411 Borlaug Hall)

### Washington State University

Assistant Agronomist/Assistant Professor - Weed Scientist/Crop Ecologist. Annual appointment, tenure track, 75% research and 25% teaching. Successful candidate will conduct research on crop/weed interactions and ecology with the goal of understanding and managing problem weeds in the dryland cropping systems of eastern Washington. Must have a Ph.D. in weed science, agronomy, genetics, weed ecology or an allied discipline. Closing date: September 29, 2000.

### Pioneer Hi-Bred International, Inc.

Research Scientist (corn) located in North Platte, NE. Purpose will be to lead and manage a team of agricultural researchers responsible for the evaluation, characterization, and delivery of new corn hybrids to Sales. Must have a Ph. D. in crop research with a strong background in plant breeding, agronomy, and statistics, or MS degree with equivalent experience.

## **University of Georgia**

Assistant Professor/Extension Agronomist - Forages (2 positions available). These two positions are 100% Extension, 12-month tenure-track positions in the Department of Crop and Soil Sciences. Must have a Ph.D. in plant, soil or animal sciences with knowledge of forage production, management and utilization. Closing date: August 31, 2000.

## **Pioneer Hi-Bred International, Inc.**

Research Associate located in Johnston, Iowa. Purpose will be to deliver to Supply Management and seed growers sound, research-based information and technology to improve seed production efficiency, maintain seed quality and enhance supply reliability. Will be responsible for the management of small plot research locations and for implementing and coordinating selected seed field, production plant, and laboratory studies. Must have a B.S. degree in a Agronomy/Plant Sciences or related life Science with 3 or more years experience.

214  
Ag86a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
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June 26, 2000

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

**It's Independence Day!** On July 4, 2000, U of MN offices will be closed. Enjoy the day with your family and friends!

**Reception:** Please join us in honoring the achievements and contributions of our colleague, Susan Miller who is the recipient of the 2000 Distinguished Staff Award, on Tuesday, June 27, 2000 from 2:30 p.m. to 3:30 p.m. in the Minnesota Commons, St. Paul Student Center.

**You are invited:** to help celebrate Delane Welsch's outstanding career at a Retirement Dinner and Dance. It will be held June 29, 2000 beginning at 5:30 p.m. at the University Club of St. Paul Downtown Clubhouse. Cost is \$32.00 per person. RSVP by June 20<sup>th</sup> and send payment to: Melissa Sullivan in the Department of Applied Economics.

**For Sale:** 1993 Chevy Lumina APV mini van. 90,000 miles, loaded with options, excellent condition. Would like \$4000 or best offer. If interested, contact Jayanti Suresh at 625-1208 or email her at [sures001@tc.umn.edu](mailto:sures001@tc.umn.edu).

### **Attention!**

#### **Key Dollar Thresholds for Purchases Effective July 1, 2000**

**Any Amount:** Contracts for Professional Services (CFPS) must be forwarded to Payroll. Original copy of CFPS on sponsored funds must go to SPA for retention.

**\$200:** Limit for employee reimbursement for emergency purchases.

**\$1000 and up:** Certified Approver (CA) approval required for sponsored fund purchases.

**\$2000 and up:** SPA must approve Contracts for Professional Services on sponsored accounts.

**\$2,499:** Purchasing Card single purchase limit. Limit is \$1,000 on sponsored fund purchases.

**Under \$10,000:** Departmental Small Order Process (POT) may be used. Need CA approval for purchases \$1000 and up on sponsored fund purchases.

**\$10,000 and up:** Forward RX to Purchasing Services with CA approval on purchases over \$1000 on sponsored accounts. Purchasing Services will attempt to obtain at least three bids in an open, public process.

**\$25,000 and up:** Contracts for Professional Services not executed on the University's standard form (BA 1384) must be reviewed by the Office of the General Counsel. Contracts for Professional Services must be accompanied by evidence of a competitive proposal process or documentation showing (1) Basis For Contractor Selection, (2) Basis for Price and (3) Assurances of Reasonable Price.

**\$0-\$99,999:** Departments may use Departmental Small Order Process to place an order directly with a contract vendor for most U-wide Contracts. (Orders off U-Wide Contracts for \$100,000 and over, forward RX to Purchasing.) CA approval required on sponsored fund purchases \$1000 and over.

**\$250,000 and up:** Regents Approval Required.

Please Welcome Jessica Hess to the department. She will be co-advised by Nick Jordan and Deon Stuthman and comes to us from BYU. She will be assessing the ecological impacts of the successful recurrent selection for grain yield in oats.

Reminder: Summer Field Day 2000  
July 13 – WCROC, Morris

### SEMINARS

July 3 “Biosynthesis of  $\beta$ -Glucans and Related Polysaccharides” Dr. Bruce A. Stone, La Trobe University, at 10:30 a.m. in 306 Borlaug Hall.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### **Northeastern Illinois University**

Part-time instructor to teach a course in Engineering Geology in the Fall, 2000 semester. Should have a Ph.D. or M.S. in geology or earth science. Applications will be considered as they are received.

#### **The University of North Carolina at Chapel Hill**

Searching for a new Provost. The Provost is the chief academic officer of the University, and reports directly to the Chancellor. Seeking for a person with experience in academic administration, but who is also of some considerable stature in her or his discipline.

#### **Forage Genetics International (FGI)**

Opening in the FGI biotechnology lab for a B.S. or M.S. level research technician. Degree should be in plant biology, molecular biology, biochemistry, or a related field, with at least two years of research experience in an academic or industrial laboratory.

#### **County Extension Agent**

Position available in Colbert County in Tuscumbia, AL. The primary duties of this position will be oriented toward Sustainable Agricultural Systems, water quality and livestock production. Must have a B.S. degree and a M.S. degree is preferred in areas such as agricultural economics, animal science, and related fields. Closing date: July 12, 2000.

#### **County Extension Agent**

Position available in Dane County located in southern Wisconsin. Must have a M.S. degree; preferably at least one degree in a field that relates to education, youth development or other related areas. Closing date: July 26, 2000.

#### **BioDiagnostics, Inc.**

Supervisor of ELISA testing laboratory. Specific duties will include directing workload flow, training and managing department staff, reporting test results, aiding customers in interpretation of test results, marketing testing services to potential customers, procuring necessary supplies and material, and identifying equipment needs. Must have a M.S. degree in biochemistry, molecular biology, genetics, plant pathology or a related field. Position open immediately.

#### **COAFES-U of MN-Twin Cities**

Take an opportunity to express your ideas, work with faculty and administrators, and make an important contribution to the college. Both Civil Service and student representatives are needed for various committees.

#### **University of Minnesota-TC**

Communications manager/editor for the Coffman Memorial Union and St. Paul Student Center. Specific duties include: developing communications plans; coordinating multiple communications projects and writing/editing a wide variety of communication pieces and various other duties. Must have a B.S. in mass communication, journalism or related field, and a minimum of 2 years experience in communications, public relations, and editing.

#### **Washington State University**

Assistant agronomist/assistant professor-Weed scientist/crop ecologist. 75% research and 25% teaching. Must have a Ph.D. in weed science, agronomy, genetics, weed ecology or an allied discipline. Closing date: September 29, 2000.

M1w  
8/2/00

# Agronomy Gleanings

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July 3, 2000

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## ANNOUNCEMENTS

It's Independence Day! On July 4, 2000, U of MN offices will be closed. Enjoy the day with your family and friends!

Summer Station Day will be held Thursday, July 13, 2000 at the WCROC. Registration is at 7:00 a.m. and tours begin at 7:30 a.m. For further tour details check the board outside of 411 Borlaug hall.

**Reimbursement Rates for Business Meals Change Effective July 1, 2000** employees traveling on University business will now be reimbursed for actual meal expenses up to but not exceeding the Federal State Department Domestic Per Diem daily amounts. This replaces the University's current three-tier rate structure that was based on city populations. The Federal Domestic Per Diem rates range from \$30-\$46 daily depending on the city. These reimbursement rates are designed to provide consistency with IRS requirements.

**After July 1, travelers may access University of Minnesota meal reimbursement rates at:**

<http://purchasing.umn.edu/travelstuff/PerDiemRates.html>

**Click on your destination state and it will bring you directly to the cities in that state.**

Maximum amounts/day include tax and tip. Expenditures for alcoholic beverages are not reimbursable. If a meal is prepaid as part of the cost of lodging or a conference registration and you choose to dine elsewhere, the cost is not reimbursable.

**Frederick L. Kirschenmann**, President of a 3,500-acre North Dakota organic farming operation has been appointed the director of the Leopold Center for Sustainable Agriculture at Iowa State University. Dr. Kirschenmann will assume responsibilities at the center on July 1 on a partial appointment until after crops on his farm are harvested. Martin L. Jischke, ISU's president, noted that Kirschenmann's broad experience includes service as a faculty member and administrator in four colleges; positions of leadership in state, national and international agricultural organizations; and more than 20 years of hands-on experience in putting theories of sustainability into practice on his own farm

Congratulations! Ben Weers passed his Master's exam!

Congratulations to Cristian and his wife Angela Vladutu! His wife gave birth to a healthy, strong boy. He was born on the birthday of Saint John the Baptist.

Note: Last pick-up for Federal Express on July 3 is at 4:00 p.m.

## SEMINARS

July 6 "Quantification and Characterization of Kura Clover (*Trifolium ambiguum* M.B.) Dinitrogen Fixation." Philippe Sequin, thesis defense, at 9:00 a.m. in 306 Borlaug Hall.

July 6 "Characterization of Late Blight Resistance and Unilateral Incompatibility in Diploid Solanum Species" Dr. Joseph C. Kuhl, University of Wisconsin-Madison, at 12 noon in 408 Hayes Hall.

#### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

##### **Pioneer Hi-Bred International, Inc.**

Research associate in Garden City, Kansas. Will serve as an active team member of the Garden City Research Center team by providing winter and summer nursery support. Must have a B.S. degree with experience or an M.S. degree in Agronomy, plant breeding, genetics, entomology, plant pathology or a related field.

##### **Pioneer Hi-Bred International, Inc.**

Research associate in Marion, Iowa and Garden City, Kansas. Will serve as an active team member for a comprehensive product development, characterization, and commercialization program at the Corn Research Center. Must have a B.S. degree in Agronomy, crop production, plant physiology, plant breeding, weed science, or other relevant majors.

##### **Dryland Farming Systems**

Dryland Farming Systems specialist: integrated, sustainable systems. Located in Lincoln County of Washington. The specialist will provide leadership for a field-based research and extension program to determine the suitability of new/alternative crops for dryland conditions in the Inland Pacific Northwest. The overall objective is to identify rotations that will diversify wheat-based cropping systems and improve the economic and environmental sustainability of the region. Must have a Ph.D. in an agricultural discipline or related field with agricultural experience. Screening of applications will begin July 1, 2000 and continue until the position is filled.

##### **University of Minnesota-TC**

Associate administrator in the department of Wood/Paper Science. Must have a B.S. degree in business administration or a related field and one year of administrative experience. Should be familiar with various accounting programs such as CUFS and PeopleSoft.



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# Agronomy Gleanings

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July 10, 2000

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## ANNOUNCEMENTS

**St. Paul Campus Agricultural Open House** -- The Minnesota Agricultural Experiment Station, and the College of Agricultural, Food, and Environmental Sciences will be hosting an Open House for the local community on Saturday, July 15 from 9:30 am - 12:30 pm. This Open House will include tours of the research plot fields and the livestock facilities on the St. Paul Campus, and numerous exhibits. Faculty, staff, students, and your family are welcome to attend and learn more about the research being conducted on the St. Paul Campus, and to meet our neighbors in the community. Thanks and I hope to see you on July 15<sup>th</sup>. --Bev Durgan

**Plot Areas** -- Please make sure all plot areas on the St. Paul Campus are clean, mowed and weeded, and non-essential items removed because of the Open House on Saturday, July 15. Thanks. --Mike McClellan

**Campus Security** -- Beginning July 7, the St. Paul campus will be secured with barricades evenings and weekends, and security monitors will only allow those with official business to enter campus (similar to the State Fair procedures). When the barricades are up, all traffic must enter the campus at the Folwell and Cleveland entrance.

**Summer Station Day** will be held Thursday, July 13, 2000 at the WCROC. Registration is at 7:00 a.m. and tours begin at 7:30 a.m. For further tour details check the board outside of 411 Borlaug Hall.

**Main Modem Pool** -- As of July 11, the main modem pool dial-up number will be 612-627-4250, and Networking and Telecommunication Services will turn off all alternative modem pool access numbers. Those using other numbers can get instructions for change at [www.umn.edu/adcs/info/announce/areacode.html](http://www.umn.edu/adcs/info/announce/areacode.html). For help call ADCS Help Line at 626-4276.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**University of Wisconsin-Madison**  
Assistant Professor, weed ecology. With a 75% research emphasis and 25% teaching emphasis on weed science principles and practices. Information about the position and application procedures have been posted on the WeedJobs web site <http://www.NRCan.gc.ca/~bcampbel/>.

**Texas A&M University**  
Professor and Head for the Department of Soil and Crop Sciences. Applicants must have an earned doctorate in soil science, plant science, or a closely related field, be nationally and internationally recognized in their discipline, and qualify for tenure at the rank of professor in the Department. The deadline for receiving applications is July 15, 2000. However, if someone is seriously interested and notifies in writing prior to that date, the application will be accepted as late as August 1, 2000.

**University of Wisconsin-Extension**  
Communications specialist. Must have a degree in journalism, communications, marketing or related field and at least two years of professional writing experience. Closing date: August 9, 2000.

**Environmental Management and Law  
Association (EMLA)**

Program Administrator, Budapest, Hungary. Recent graduate with a broad range of skills and at least one year commitment. Full job description at <http://www.emla.hu/ProgAdmin/index.html>. Closing date: July 15, 2000.

**Garst Seed Company**

Team Leader Plant Physiologist, Slater, IA. MS in plant physiology, biochemistry, genetics or plant breeding.

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# Agronomy Gleanings

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July 17, 2000

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## ANNOUNCEMENTS

Please welcome Rex Bernardo to our department. He has joined the faculty (July 2000) as an associate professor conducting corn genetics and breeding research. Rex earned the Ph.D. from the University of Illinois at Urbana-Champaign in 1988. He will teach a graduate course, Plant Breeding Principles II.

Congratulations! Long time faculty members of the Department of Agronomy and Plant Genetics were recognized for their contribution to the Red River Valley and the State of Minnesota during the Field Day 2000 on Wednesday, July 12. The Northwest Research and Outreach Center, Crookston, dedicated research ranges to Dr. Don Rasmusson and Dr. Robert Busch. Representatives of the Center, as well as the Minnesota Association of Wheat Growers and Minnesota Barley Research and Promotion Council, were on hand and spoke during the ceremony.

Let's welcome Federico Condon to the department. Federico comes to us from Uruguay where he is a researcher in the Genetic Resources Unit of INIA-La Estanzuela. Germplasm from the breeding programs of INIA and other institutions in Uruguay are stored in this unit. Federico will be working toward the Ph.D. with Jim Anderson on the wheat breeding project. He is married with two children.

Welcome David Bowen to the Department. David recently completed the B.S. degree at Brigham Young University in Plant Genetics and Breeding. He will work toward the M.S. degree in Applied Plant Sciences with Jim Anderson on the wheat breeding project. David is originally from Burley, Idaho. He completed an internship at the University of Idaho Research and Extension Station in Aberdeen.

## SEMINARS

July 18 "Isolation of genes involved in epigenetic regulation and the inheritance of an aneuploid syndrome in maize. Nathan M. Springer, graduate assistant, Plant Biological Sciences Graduate Program. At 9:00 a.m. in 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**University of Wisconsin-Stevens Point**  
Lecturer in biology for one year. Must have a broad training in plant biology with emphasis in plant physiology. Dissertation and/or publications in plant physiology. Ph.D. preferred. Starting date is August 27, 2000.

**The Pennsylvania State University**  
Biology visiting faculty, one year appointment. Responsible for teaching introductory biology courses for majors and non-majors. A Ph.D. is preferred with required teaching experience. Closing date: July 26.

## Iowa Farmer's Union

The Iowa Farmer's Union is accepting resumes and inquiries for the position of Associate Director. A background in agricultural or environmental education and/or policy development is helpful. Responsibilities include member services, as well as coordination of special events. Must be proficient in basic office software; advanced computer skills a plus. The position is in Ames, and requires occasional travel.

### **University of Wisconsin-Madison**

Associate or Full Professor for the Department of Biochemistry. Must be experienced in structure and mechanism of action of bio-active small molecules and research interests should include vitamin D. Closing date: September 15, 2000.

### **Minnesota Academy of Mathematics & Sciences**

Instructor of Chemistry and Biochemistry for the 2000-2001 academic year. Ph.D. in biochemistry is required. Person appointed will be responsible for chemical & biochemical education of gifted & motivated high school students from around the world. Closing date: July 17, 2000.

### **The University of Pennsylvania**

Research Assistant Professor in the Department of Biochemistry & Biophysics in the area of molecular functions of the SMN protein, the product of the spinal muscular atrophy disease gene. Closing date: July 31, 2000.

### **University of New Mexico**

Senior Postdoctoral/Assistant Research Professor in the Department of Biochemistry and Molecular Biology. Must have a Ph.D. or M.D. or equivalent degree and experience in biochemistry, molecular biology or related field. Closing date: July 17, 2000.

### **Chemical Abstracts Service**

Chemical Abstracts Service invites students to consider employment opportunities in Editorial Operations division. Must have B.S., M.S., or Ph.D. in chemistry or related field.

### **Augustana College**

Visiting Faculty position in Biochemistry during its 2<sup>nd</sup> and 3<sup>rd</sup> terms, 2000-2001 beginning 11/27/00. Teaching duties will include biochemistry lecture and lab as well as some general chemistry classes and labs. Must have a Ph.D. in biochemistry or molecular biology and preference will be given with teaching experience. Closing date: August 15, 2000.

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# Agronomy Gleanings

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July 24, 2000

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## ANNOUNCEMENTS

To Faculty and Staff: Dependent Care and Health Care Reimbursement Account Claim Forms are now available in the Agronomy Office. You no longer have to obtain these from Employee Benefits.

North Central Integrated Pest Management Request for Proposals. A letter of intent is due to Eldon E. Ortman at Purdue University by August 15, 2000. See Jeanne for detailed information.

### Department of Agronomy Annual Corn Feed

Thursday, August 3, 2000 at noon in 306 Borlaug Hall. The cost \$3.00 for hotdogs, cucumbers, tomatoes, and all the corn you can eat plus coffee and lemonade. Pass the word on to all Agronomy Personnel!

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### **University of Minnesota**

Information Technology Specialist for the College of Human Ecology. Must have one of more years of any combination of relevant post high school computer technical education, training and/or experience.

### **University of California**

Assistant/Associate Cooperative Extension Vegetable Specialist. This academic position has 100% Cooperative Extension responsibilities. Applicants must hold a Ph.D degree in a plant science discipline with expertise in one or more of the following areas: horticulture, agronomy, soil science, plant nutrition, water science, plant physiology, botany, or closely related field. Closing date: September 30, 2000.

### **University of Wisconsin-River Falls**

Part-time teaching positions are available for the 2000-01 academic year in the Biology Department. M.S. degree or equivalent in Biology required.

### **University of Arkansas**

Assistant or Associate Professor for Plant Tissue Culture and Transformation. The successful candidate will apply tools of plant molecular biology toward improving tissue culture and plant transformation techniques and to further the understanding of gene expression. Teaching responsibilities include a course in plant transformation and tissue culture. Must have a Ph.D. in a plant, molecular biology, or closely related discipline. Closing date: September 1, 2000.

### **University of Arkansas**

Assistant or Associate Professor in Plant Genomics. The successful candidate will be expected to apply state-of-the-art methods of plant genome analysis and genetics to develop an externally funded, nationally competitive research program. Must have a Ph.D degree in a plant or molecular biology discipline with expertise in methods and applications of genomic analysis, and demonstrated evidence of excellence in research, grant-writing and other scholarly activities. Closing date: September 1, 2000.

### **Miami University, Oxford, OH**

Postdoctoral position in the Department of Microbiology to perform cloning, sequencing, and molecular investigation of the novel lysine genes of the pathogenic yeast candida albicans. Research experience in these areas is required.

**Max-Planck Institut**

Several open positions open for Postdoctoral Fellows in the Department of Developmental Biology.

**R&D Systems, Inc.**

Research Associate positions in the Departments of Protein Purification and Murine Assays.

**Lexicon Genetics**

Open positions for people who have a Ph.D in science field at all levels of experience, Bachelor's degree in science field, or a Master's degree in science field.

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# Agronomy Gleanings

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August 7, 2000

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## ANNOUNCEMENTS

**Greenhouse Users:** Thanks for your help in keeping the greenhouse space clean. I will be gone Monday, August 7<sup>th</sup> through Friday, August 11<sup>th</sup> and Friday, August 18<sup>th</sup>. All users need to do their own watering. For any greenhouse related questions or problems during that time call Dann Adair 5-3779, and for watering problems see Mike McClellan. Incoming users please remember to clean up behind yourself. It is your responsibility to maintain the cleanliness of your assigned space. This includes weed control on benches and in pots, disposal of trash, sweeping up behind yourself, etc. Thanks for your cooperation!!  
Pam Altermatt.

Fourteenth Annual Summer Crop Improvement and Production Tour will be August 22-24, 2000 (two nights on the road. If you would like to participate, please contact Deon Stuthman or Jean Swanson in 411 Borlaug Hall for more information.

The USDA's North Central Region SARE program is requesting preproposals for research and education/demonstration activities. The pre-proposals are due September 8, 2000. Selected project coordinators will be asked to develop full proposals, due in late January 2001 for funding in fall 2001. Please see Jeanne for detailed information.

**IMPORTANT!** Do you still have departmental keys? We have many keys signed out to former students and staff. If you still have them, please send them back to the department, 411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, Mn 55108, Attention: Marilyn Swanson. Thanks!

## SEMINARS

August 9 "Regulation of Calcium Influx, Free Radical Production, and Alternative Pathway Activity is Associated with Abscisic Acid-Improved Chilling Tolerance in Maize (*Zea mays* L.) Cultured Cells." Wen-Ping Chen, graduate assistant of the Plant Biological Sciences Graduate Program. Seminar is at 9:00 a.m. in 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**Pioneer Hi-Bred International, Inc.**  
Senior Research Associate located in Moorhead, MN. Duties entail assisting research managers to organize, plan, and conduct field experiments. Must have a M.S. degree in Agronomy, Plant Science, or related discipline, or B.S. with at least five years of field research experience.

**North Dakota State University**  
Tenure track position in potato breeding, Department of Plant Sciences. Position is 90% research, 10% teaching as assistant professor. Must have a Ph.D. in plant breeding or related discipline with demonstrated expertise in plant breeding, genetics, and germplasm enhancement. Closing date: October 2, 2000

### **The Ohio State University**

Assistant/Associate Professor in the Floriculture Germplasm Enhancement Program in the Department of Horticulture and Crop Science. Position is 85% research and 15% Extension. Must have a Ph.D. in horticulture, plant biology, genetics, or plant-related field required with post-doctoral experience preferred. Closing date: October 15, 2000.

### **NC State University**

Extension Assistant/Associate (Pesticide Training Center Coordinator). Basic responsibilities include managing the Southern Region Pesticide Safety Education Center located at NC State University. Must have a BA/BS degree with strong organizational, written, and oral communication skills. Closing date: August 15, 2000.

### **University of Minnesota**

Executive Director located within the Northwest Region of Minnesota. The executive director will support the work of the Regional Board in creating a partnership between the University and the people of northwestern Minnesota to direct research, educational, and outreach funds to advance the region's sustainable development. Must have a Bachelor's degree (Master's degree preferred). Closing date: August 30, 2000.

### **The University of Louisiana-Monroe**

Assistant Professor, tenure track, 9 month appointment. Teaching responsibilities may include undergraduate courses in Soils, Soil and Water Resources, Farm Crops, Agriculture Chemicals, Weed Science and Plant Pathology; depending on area of expertise. Must have a Ph.D. in Agronomy, Horticulture or Plant Sciences with a background in row crops preferred. Closing date September 1, 2000.

### **Northeast MN Food Systems Assessment**

Graduate Research Assistant. The research assistant will work with a food systems task force to collect information on the food system in NE Minnesota. Must be a registered graduate student for duration of appointment. Closing date: August 28, 2000.

### **Muck Crops Branch Research Station-Ohio Agricultural and Development Center**

Manager of the Muck Crops Branch located near Willard, Ohio. The manager has complete responsibility for implementation of the muck vegetable research program at this 15-acre branch. Must have a B.S. degree in a plant sciences area.

### **Kansas State University**

Extension Assistant in the Department of Horticulture, Forestry, and Recreation Resources. Will assist faculty in operation of a riparian buffer monitoring project. It will also be possible for the person to pursue a Master's degree part-time, during employment. Must have a BS degree in forestry, agronomy or a related field. Closing date: September 15, 2000.

### **Food and Agriculture Organization of the United Nations**

Plant Production Officer in Cairo, Egypt for a fixed term of 3 years. The officer will study the plant production system in the Near East and identify procedures and actions required for improving production and productivity of cereals, fruits, vegetable and industrial crops. Must have a University degree in Agriculture, preferably supplemented by specialized courses in agronomy and/or crop production. Closing date: October 3, 2000.

### **Food and Agriculture Organization of the United Nations**

Senior Agricultural Officer in Rome for a fixed-term of 3 years. Must have ten years of progressively responsible professional experience in research and/or development of major cereal crops, including developing countries, with major emphasis on crop breeding and working knowledge of two of the following languages: English, and French or Spanish. Closing date: October 2, 2000.



### **The University of Arizona**

Assistant/Associate Professor in Controlled Environment Agriculture, Department of Plant Sciences. Position is 80% research and 20% teaching. The successful candidate is expected to conduct an independent research program that will contribute to the improvement of production systems of horticultural crops in controlled environment agriculture, especially as related to hydroponic/soil-less crop production. Must have a Ph.D. in any of the plant science and experience in controlled environments. Closing date: August 31, 2000.

### **The University of Arizona**

Assistant/Associate Specialist in Vegetable crops, Department of Plant Sciences. Position is 75% extension and 25% research. The individual is expected to develop an extension education and applied research program that addresses the needs of the vegetable crops industry. Must have a Ph.D. degree in horticulture, crop sciences or a closely related field with an emphasis in the physiology of vegetable crops. Closing date: October 1, 2000.

### **NC State University**

Research Assistant for the Department of Soil Science. The research assistant will work on a 7-year research project that will be conducted on a Carolina Bay in Robeson County, NC that is being restored to a wetland. Must have a BS degree in preferred fields of soil science, environmental, natural resources, biological and agricultural engineering, forestry, hydrology, or a biological science. Closing date September 1, 2000.

### **University of California - Davis**

Assistant/Associate Cooperative Extension Vegetable Specialist. This position has 100% Cooperative Extension responsibilities, which include research, outreach and education. Must have a Ph.D. degree in a plant science discipline with expertise in one or more of the following areas: horticulture, agronomy, soil science, plant nutrition, water science, plant physiology, botany, or closely related area. Closing date: September 30, 2000.

MW  
July 31, 2000

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
July 31, 2000

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## ANNOUNCEMENTS

North Central Integrated Pest Management Request for Proposals. A letter of intent is due to Eldon E. Ortman at Purdue University by August 15, 2000. See Jeanne for detailed information.

### Department of Agronomy Annual Corn Feed

Thursday, August 3, 2000 at noon in 306 Borlaug Hall. The cost \$3.00 for hotdogs, cucumbers, tomatoes, and all the corn you can eat plus coffee and lemonade. Pass the word on to all Agronomy Personnel!

Get well wishes—Dr. Herb Johnson, a former Agronomy and Plant Genetics department head, is not feeling well and is undergoing extensive medical evaluation. Dr. Johnson was 80 years old on July 3<sup>rd</sup>

### The USDA's North Central Region SARE program

is requesting preproposals for research and education/demonstration activities. The preproposals are due September 8, 2000. Selected project coordinators will be asked to develop full proposals, due in late January 2001 for funding in fall 2001. Please see Jeanne for detailed information.

## SEMINARS

August 3 "Temperature-regulated and Tissue specific Expression of *Arabidopsis* Tubulin Genes" Zigang Cheng, Plant Biological Sciences Graduate Program. Thursday, August 3, 1:00 p.m. in 375 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### **Pioneer Hi-Bred International, Inc.**

Senior Research Associate located in Moorhead, MN. Duties entail assisting research managers to organize, plan, and conduct field experiments. Must have a M.S. degree in Agronomy, Plant Science, or related discipline, or B.S. with at least five years of field research experience.

### **NC State University**

Extension Associate (Training Coordinator). The Extension Associate will work closely with faculty members in Soil Science, other departments on campus, and various groups outside the university to develop new educational programs and manage existing ones. Must have a M.S. or M.A. in preferably education, business management, public health, or other related field and at least five years' experience in developing and managing professional training programs. Closing date: August 15, 2000.

### **University of Wisconsin-Extension**

Portage County Agriculture Agent (specializing in commercial vegetable production). Is responsible for developing educational programs that provide information and create awareness of University of Wisconsin and other research findings, primarily in the commercial vegetable production area. Must have a Master's degree with at least one degree in a field that relates to the responsibilities of this position such as horticulture, agronomy, or soil science. Closing date: August 23, 2000.

## **University of Guelph**

Assistant Professor - Turfgrass. Research opportunities will include management studies in turf grasses for golf courses, urban landscapes, sports fields and sod production. Research specializations may include plant physiology, production, plant ecology or plant-soil relationships. Must have a Ph.D. in horticulture, agronomy, plant science/ecology or related discipline with demonstrated specialization in the turfgrass science. Closing date: October 31, 2000.

## **NC State University**

Extension Assistant/Associate (Pesticide Training Center Coordinator). Basic responsibilities include managing the Southern Region Pesticide Safety Education Center located at NC State University. Must have a BA/BS degree with strong organizational, written, and oral communication skills. Closing date: August 15, 2000.

## **NC State University**

Extension specialist. Project coordinator for a basin-wide project to demonstrate specific best management practices on commercial farms. Must have a Ph.D. in soil science or agronomy and at least five years' experience working in Cooperative Extension. Closing date: August 15, 2000.

MIW  
gAg86a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
August 14, 2000

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## ANNOUNCEMENTS

Fourteenth Annual Summer Crop Improvement and Production Tour will be August 22-24, 2000 (two nights on the road. If you would like to participate, please contact Deon Stuthman or Jean Swanson in 411 Borlaug Hall for more information.

The USDA's North Central Region SARE program is requesting preproposals for research and education/demonstration activities. The preproposals are due September 8, 2000. Selected project coordinators will be asked to develop full proposals, due in late January 2001 for funding in fall 2001. Please see Jeanne for detailed information.

IMPORTANT! Do you still have departmental keys? We have many keys signed out to former students and staff. If you still have them, please send them back to the department, 411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, Mn 55108, Attention: Marilyn Swanson. Thanks!

DEPARTMENT meeting rescheduled for August 28. Note this was changed from an earlier email. Due to the conference on Molecular Biology, Crop Production and Crop Protection scheduled for August 21-23 in Minneapolis, the department meeting originally set for August 21 will be postponed until Aug. 28, 1:00 pm in 306 Borlaug. We probably will have fewer conflicts with the State Fair than with the conference. Burle

Looking: I am looking for boxes that could be used for mailing books. Please contact Peggy Egli at 5-5215 or 416/517 Borlaug.

## FACULTY AND STAFF:

The College is looking for volunteers for the State Fair. The shifts for volunteers are: 9-12, 12-3, 3-6 and 6-9. Each volunteer will receive 2 tickets to the Fair and a COAFES bandana. Dates available are August 24, 27, 28, 29, 31 and September 1, 2, 3, and 4. If you would like to volunteer, please let me know what date and time works for you and I will pass the information on to the College.  
Jeanne Davy

FAREWELL COFFEE for Sheila Lutz Prigge on Thursday, August 17 at 9:30 am in 306 Borlaug Hall.

THANK YOU. THANK YOU. Special thanks to Dr. Robert Hodson and family for their generous donation of unused clay greenhouse pots. Bob is now in the Biology Department at the University of Delaware, but in the late 50's and 50's was an undergraduate student worker in our Department. He worked on the Alfalfa project among others and says he has fond memories of those days. Stuthman.

Agronomy 5310 class members: Today is the last day of sign-up preference for class members for the tour next week. Again lodging and transportation are provided and we will depart early (before 7 am) on Tuesday, August 22 and return about 7 pm on Thursday, August 24. Wednesday, August 23 we will be on the Madison campus all day. Please see or email Jean Swanson or Stuthman. Thank you.

## SEMINARS

August 15 "Characterization of the maize genes encoding ACCase and the insertions of two non-LTR elements, Colonist1 and Colonist2 and a MITE-like element, TIC." Sheila Lutz Prigge from the Department of Agronomy and Plant Genetics at 3:00 pm in 306 Borlaug Hall.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF ARKANSAS

Research Specialist in Environmental Chemistry of Pesticides Organic Pollutants. Duties include laboratory, and possibly field and greenhouse studies of environmental chemistry of pesticides and other organic pollutants in soils, crops, water or other environmental components. Must have a BS degree in chemistry, soil science, water science, or a closely related field, and be a part-time graduate student working toward an MS degree

#### MINNESOTA DEPARTMENT OF AGRICULTURE.

The Minnesota Department of Agriculture is searching for an experienced weed scientist that can fulfill the following responsibilities: 1)Minnesota's state and federally required Pesticide Management Plan; 2)facilitation of the Common Detection Committee; 3)collection and interpretation of pesticide usage and associated management practices4)designing and implementing educational programs in conjunction with the University of Minnesota and other closely related duties.

#### DELTA and PINE LAND COMPANY

Plant Breeder to establish and maintain a progressive cotton breeding program in Brazil. Person's applying should have a Ph.D. in Plant Breeding or related and speak Portuguese and/CR. Resumes will be accepted will accepted August 1 - September 15, 2000.

## AGRICULTURAL RESEARCH and EXTENSION CENTER at VERNON

Assistant professor-Forage Crop Systems Scientist-Agroecologist. The successful applicant will develop and conduct an integrated, team-oriented cropping and grazing systems research program with emphasis on forages in the Rolling Plains of Texas. Must have a Ph.D. in Agronomy, Crop Science, Range Science or a closely related field. Closing date: November 1, 2000.

#### IOWA STATE UNIVERSITY

Program assistant II (Sustainable Agriculture) for the office of Henry A. Wallace Chair for Sustainable Agriculture. Will coordinate program activities and assist with development and administration of education and applied research programs primarily in the human and social dimensions of sustainable agriculture. Must have a Bachelor's degree in a social or behavioral science, Agroecology or related science. Also one year experience in related program. Closing date: September 11, 2000.

M/W  
gAgBlea

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
August 21, 2000

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Department meeting rescheduled for August 28. Note this was changed from an earlier email. Due to the conference on Molecular Biology, Crop Production and Crop Protection scheduled for August 21-23 in Minneapolis, the department meeting originally set for August 21 will be postponed until Aug. 28, 1:00 pm in 306 Borlaug. We probably will have fewer conflicts with the State Fair than with the conference. Burle

### FACULTY AND STAFF:

The College is looking for volunteers for the State Fair. The shifts for volunteers are: 9-12, 12-3, 3-6 and 6-9. Each volunteer will receive 2 tickets to the Fair and a COAFES bandana. Dates available are August 24, 27, 28, 29, 31 and September 1, 2, 3, and 4. If you would like to volunteer, please let me know what date and time works for you and I will pass the information on to the College. Jeanne Davy

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

### IOWA STATE UNIVERSITY

Program assistant II (Sustainable Agriculture) for the office of Henry A. Wallace chair for Sustainable Agriculture. Will coordinate program activities and assist with development and administration of education and applied research programs primarily in the human and social dimensions of sustainable agriculture. Must have a Bachelor's degree in a social or behavioral science, Agroecology or related science. Also one year experience in related program. Closing date: September 11, 2000.

### OREGON STATE UNIVERSITY

Faculty Research Assistant for the Department of Horticulture. Major duty includes planning, establishing, and maintaining plots; propagating plant material; data collection and analysis. Must have a B.S. degree in horticulture or a related field.

### UNIVERSITY OF NEBRASKA

Postdoctoral Research Associate. The person in this position is expected to perform independently in conducting research on gene expression in transgenic soybeans. Must have a Ph.D. in the plant sciences or related discipline. Closing date: September 15, 2000.

### UNIVERSITY OF MINNESOTA

Assistant or Associate Professor, Animal Functional Genomics, Molecular Biology. 75% Research and 25% Teaching. Must have a Ph.D in Biomedical or biological Sciences, or closely related field. Closing date: October 1, 2000.

## **UNIVERSITY OF WISCONSIN- EXTENSION**

Crops and Soils Agent-Dane County. Responsible for developing educational programs that provide information and create awareness of University of Wisconsin and other research findings in plant sciences, agriculture economics, and natural resources. Must have a Master's degree with at least one degree in a field such as agriculture or agriculture education. Closing date: September 20, 2000.

## **DELTA AND PINE LAND COMPANY**

Plant Breeder based in Scott, Mississippi to lead a well established and highly successful transgenic cotton breeding program. Must have a Ph.D. in Plant Breeding or related field. Closing date: September 30, 2000.

MW  
8/2/00

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
August 28, 2000

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## ANNOUNCEMENTS

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FedEx Request-Please deposit ALL packages outside drop box in front of 3<sup>rd</sup> floor Borlaug. Exceptions-Dangerous Goods, Ground Shipments, dry ice packages (empty/return dry ice containers do fit in drop box), or packages that are too large to fit through the drop box opening. - FedEx Courier

Congratulations-Don and Bev Wyse are the proud grandparents of grandson No. 2, Cameron Matthew Wyse. He was born Saturday, August 19, 8:30 p.m. and weighed 8 pounds, 8 ounces and was 22 inches long. Parents are Ryan and Mary from Ramsey, Minn.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**Pioneer Hi-Bred International, Inc.**  
Senior Research Associate-Corn (SRA) located in New Holland, Pennsylvania. The SRA will serve as an active team member to develop and characterize corn inbreds and hybrids for grain and silage yield and reaction to plant diseases. Must have a M.S. degree in plant breeding, agronomy, plant pathology, or plant sciences, or B.S. with at least five years of field research experience.

### **Pioneer Hi-Bred International, Inc.**

Research manager located in Woodstock, Ontario. Job purpose is to lead and manage a team of agricultural researchers responsible for the evaluation, characterization, and delivery of new corn hybrids to Sales. Must have a Ph.D. in crop research with strong background in plant breeding, agronomy, and statistics, or M.Sc. Degree with equivalent experience. Closing date: October 20, 2000.

### **Pioneer Hi-Bred International, Inc.**

Senior Research Associate (SRA) located in Chatham, Ontario. Job purpose is to serve as an active team member for a comprehensive characterization, and commercialization program at the multi-crop Research Center. Must have a M.Sc. Degree in agronomy, plant science, or related discipline, or B.Sc. With at least five years of field research experience. Closing date: October 20, 2000.

### **University of Wisconsin - Extension**

Horticulture educator - Dane County. Responsible for developing educational programs that provide information and create awareness of University of Wisconsin and other research findings in horticulture, plant sciences, natural resources and agricultural economics. Must have a bachelor's degree. Closing date: September 27, 2000.

### **Hefty Seed Company**

Seed and Pesticide Sales Agronomist. As an agronomist with Hefty Seed Company you will: work with farmers, be involved in educational workshops, process seed, etc.



### **The Texas A&M University**

Research appointment in the Texas Agricultural Experiment Station, with a faculty appointment in the Texas A&M University Soil and Crop Science Department in College Station. Responsible for developing a nationally recognized research program in small grains improvement for irrigated and rainfed agriculture in the Texas High plains and Rolling Plains. Must have a Ph.D. in plant breeding, genetics, or related plant sciences with emphasis on small grains breeding. Experience in dryland or irrigated cropping systems, cropping/livestock systems, and plant sciences is required. Closing date: October 15, 2000.

### **Waterfowl Production Area Survey**

Currently looking for people to drive survey routes along the Waterfowl Production areas of Western Minnesota. People are need now for the weekend of September 9-10. Drivers are paid a \$50/day stipend plus per-diem (meals and hotel) for the weekend. Vehicles will be provided. Drivers will also be needed for the weekends of Sept. 30-Oct. 1, Oct. 14-15, Nov. 4-5, and Nov. 11-12.

MIW  
gAg8ba

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

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September 11, 2000

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## ANNOUNCEMENTS

National Science Foundation Graduate Research Fellowship Program: Applications for the 2001-2002 competition for the National Science Foundation (NSF) Graduate Research Fellowship Program are now available. The NSF will award approximately 900 new Graduate Research Fellowships to support graduate study in science, mathematics, and engineering. The deadline for applying in the 2001 competition is November 7, 2000. Awards will be announced in March 2001. Each three-year fellowship provides a stipend of \$16,800 for 12-month tenure, and a cost-of-education allowance of \$10,500 per tenure year. See Jeanne Davy for further information.

Birth Announcement—Lee and Sheila DeHaan are the proud parents of 6lb, 12oz, 19.5 inch Alicia Joy DeHaan. She was born on September 3, 2000. Congratulations!

"Come 'Scope It Out'" at the University Stores 14<sup>th</sup> Annual Open House Wednesday, September 20 from 10:00am to 3:00pm at the Radisson Hotel Metrodome. Lunch will be served from 11:30 to 1:00. All are welcome.

Thomas Payne, a former graduate student in the department, has recently returned to CIMMYT Headquarters in Mexico after spending nearly 10 days posted in outreach positions in Turkey, Syria, Zimbabwe and Ethiopia. He will be working to sort out a back log in data distribution and cooperators relations in the International Wheat Nurseries division at CIMMYT upon returning to Mexico.

Gleanings Deadline—Please remember that all Gleanings Announcements must be turned in to 411 Borlaug Hall or emailed to [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu) by 10:00am on Mondays.

## SEMINARS

September 11 "AGRO 5310: 'Wisconsin Tour Report by Participants. Discussion to Follow.'" Deon Stuthman, Department of Agronomy and Plant Genetics, 3:30pm, 306 Borlaug Hall.

September 12 "Trials to Screen Gibberellin Binding Proteins and their cDNAs," Professor Isomaro Yamaguchi, Laboratory of Plant Growth Substances, Department of Applied Biological Chemistry, University of Tokyo. 3:30pm, 335 Borlaug Hall.

September 13 "WUSA's Welcome Back Luncheon," 12:00-1:00pm, 408 Hayes Hall.

September 14 "Consulting as a Career Option: Does It Work?" Elizabeth Lund, DVM, Ph.D., & Becky Johnson, Ph.D., MPH, EpiCenter, Inc, and Jeff Hertzberg, MD, MS Medformatics, Inc. 3:30pm, 2-101 BSBE, Minneapolis Campus.

September 15 "Ag Seminar for Clergy," University of Minnesota Souther Research and Outreach Center, Waseca, Minnesota.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**CIMMYT**

Wheat Post-Doctoral Fellow. Ph.D. in plant breeding, with an extended knowledge of qualitative, quantitative and molecular genetics required. Closing date: September 20, 2000 or until position is filled.

**MICHIGAN STATE UNIVERSITY**

Assistant Professor and Extension Specialist: Soil Fertility Management in Cropping Systems Involving Sugar Beets and Dry Beans. A Ph.D. in Soil Science or Agronomy with training in applied soil chemistry and crop production management required. Closing date: December 1, 2000, or until the position is filled.

**NEBRASKA CROP IMPROVEMENT ASSOCIATION**

Field Services Supervisor. B.S. degree in Agronomy or a related field required. Closing date: October 20, 2000.

**NORTH DAKOTA STATE UNIVERSITY**

Potato Breeder. For more information, see [http://www.ndsu.nodak.edu/humanresources/employment/emp\\_opp.shtml](http://www.ndsu.nodak.edu/humanresources/employment/emp_opp.shtml)

**THE PENNSYLVANIA STATE UNIVERSITY**

Assistant Professor of Physiological Genetics. Ph.D. in Plant Genetics, Plant Physiology, Horticulture, or a closely related plant science discipline required. Closing date: May 1, 2001.

**UNIVERSITY OF CALIFORNIA**

Division of Agriculture & Natural Resources, Horticulture/Small Farms Advisor. A minimum of a Master's degree in horticulture, plant science, pomology, or a related field is required. Closing date: October 15, 2000.

miw  
8/AgEla

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
September 5, 2000

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## ANNOUNCEMENTS

Birth Announcement -- Paul and Danielle Peterson along with big sisters, Kirsten, Andrea and Kate, wish to announce the arrival of Andrew Donald, born Friday, August 25, 5:20 a.m., weighing 8 lbs 6 oz, 21 1/2 inches long. Congratulations!

Congratulations to Carroll Vance who has been promoted to the Senior Executive Service in USDA/ARS.

Farewell Coffee for Peggy Egli on Wednesday, September 6th, 9:30 a.m., 306 Borlaug Hall.

New Student Orientation: APS will have an orientation program for the new students on Thursday, Sept. 7th at 3 p.m. in 310 Alderman Hall (Horticulture). Please remind new students to attend this event! A party for all Graduate students (new and not so new) will follow (4 p.m.).

### Fall Field Days

- Sept. 7 -- Prairie Plant, 6:30 pm-8:30 pm, Rushford, Minn. (directions posted outside 411 Borlaug Hall)
- Sept. 13 -- Southwest Research/Outreach Center, Lamberton
- Sept. 14 -- Southern Research/Outreach Center, Waseca

Fleet Services is moving to its new facility. By Friday, Sept. 8, 2000 all vehicles and employees will be located at: 901-29th Avenue SE, Minneapolis, MN 55414. Call (612) 625-3033 for rental vehicle reservations.

The Graduate School fall Grant-in-Aid program deadline is Sept. 25, 2000. Contact Jeanne Davy for further information.

Independent Professional Seedsmen Association (IPSA) request for cooperative research project pre-proposals. Deadline for submission: October 1, 2000. See Jeanne for further information.

## SEMINARS

September 8 "Using transgenic and mutant mouse models to investigate polyamine functions," Caroline Mackintosh, Pennsylvania State University, College of Medicine, 3:00 pm, 408 Hayes.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

NORTH CAROLINA STATE UNIVERSITY  
Assistant Professor of Weed Science, Dept. of Crop Science, Raleigh. PhD in Weed Science, Crop Science, Horticultural Science, Botany or related field. Closing date: October 15, 2000

CIMMYT  
Post-doctoral Fellow, Bread Wheat Breeding. Closing date: September 30, 2000

LUTHER COLLEGE  
Botanist/Ecologist, Assistant Professor, Decorah, Iowa. PhD required. Closing date: November 1, 2000

UNIVERSITY OF MINNESOTA  
Full-time temporary position to assist in field plot work in the Soil, Water and Climate Dept., during fall field season (beginning of Sept. to middle of Nov.).

MIW  
gAgB...

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
September 18, 2000

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## ANNOUNCEMENTS

Two visiting faculty and their four-year old daughter are looking for a home, preferable near the St. Paul Campus, or east side of the Minneapolis Campus (around University Avenue). They will be visiting from the University of Tasmania from January-June 2001. They would prefer furnished accommodations. If you have a lead on housing, please leave a message at ISEES< 624-7723.

Exterior Design Standards Open House: On Wednesday, September 27<sup>th</sup> from 11:00am to 1:00pm outside the St. Paul Student Center or Thursday, September 28<sup>th</sup> from 11:00am to 1:00pm on the Washington Avenue Pedestrian Bridge, design consultants and University staff will be available to discuss proposed exterior design standards. You will have the chance to view sample designs for 14 test sites across campus and provide feedback. You may attend at any time during the open house. If you have further questions please call Jennifer Schulz at 612-625-3466.

Greenhouse Users: There was very little cleanup done last Friday. You will have the remainder of this week for cleanup. Next week the greenhouse staff will go in to do the cleanup. The fee is \$50.00/hour. Also, everyone must do their own watering October 4th-6th, Pam will be gone. Thank you!

Two Latino farmers working with the Minnesota Food Association with to buy some land for farming vegetables purposes. They are thinking about a 5 to 10 acre plot size and desire no more than 2 hours driving distance from Minneapolis to the site. If you can help or know someone who can, please email, or call Alvaro Rivera at 612-597-5878.

Agronomy and Plant Genetics Fall Social: Everyone is invited to attend this annual event. This is a great opportunity to get together with your colleagues and meet new members of the department. Delicious refreshments

will be served. Cost is \$2.00 per person, FREE to new staff, students, and faculty. It will be held Friday, October 6, from 2:30-4:30 in 302/306 Borlaug Hall.

ScienceWorks! Needs scientists to serve on instructional teams leading short workshops for teachers, and/or to be science mentors for teachers during workshop sessions. For more information, please call 612-625-1855 or visit [www.astro.umn.edu/ScienceWorks](http://www.astro.umn.edu/ScienceWorks).

Announcing a new Journal Club! The plant molecular biology journal club will be meeting every other Monday from Noon to 1:00 in 408 Hayes. We will be discussing cutting edge papers from the literature on topics of interest to the participants. Come to the organizational meeting on Monday, September 25<sup>th</sup> in 408 Hayes to get your favorite topic on the agenda. If you have questions, please contact Lynn Litterer at 625-7714.

"Workshop on Bioninformatics" will be held in conjunction with the ASA meetings on Sunday, November 5. Registration for the workshop must be made with you ASA registration, onsite registration will not be available.

## SEMINARS

September 19 Plant Biological Sciences Colloquium Series: "Negative Regulation of Trichome Development," M. David Marks, Dept. of Plant Biology, 3:30p.m., 335 Borlaug Hall.

September 20 WUSA: "Biological Control of Potato Aphids," Ted Redcliff, Noon, 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**FOOD AND AGRICULTURE ORGANIZATION OF  
THE UNITED NATIONS**

Senior Agriculture Officer. Advanced University degree in Plant Breeding required. Closing date: October 2, 2000.

**KANSAS STATE UNIVERSITY**

Graduate Research Assistant, Weed Ecology. B.S. degree in Agronomy, Weed Science, Plant Ecology or related discipline required. Closing date: January, 2001.

Teaching/Research Faculty appointment in Turfgrass. Ph.D. in horticulture, agronomy or plant science is required. Closing date: November 17, 2000.

**MINNESOTA AGRICULTURAL EXPERIMENT  
STATION**

Head, Southern Research and Outreach Center, Waseca, Minnesota. Ph.D. in agricultural sciences is desirable but consideration will be given for a M.S. or M.B.A. with a strong agricultural leadership background. Closing date: December 1, 2000.

**USDA**

Biological Science Laboratory Technician (Plants). Bachelor's degree in biology, chemistry, statistics, entomology, animal husbandry, botany, physics, agriculture, or mathematics desired. Closing date: September 25, 2000.

**WALT DISNEY WORLD CO.**

The Epcot Science Internship Program. College student or recent graduate with applicable background and/or major in agriculture, food crops, biology, horticulture, botany, biotechnology, biological engineering, science communication, or related field.

MIN  
9/29/00

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
September 25, 2000

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Birth Announcement: Iris Tzafir and Jonathan Shaver are the proud parents of Ariel Tzafir Shaver. She was born on September 17 and weighed 7 pounds and 13 ounces. All are happy and healthy.

There will be a Department Meeting on Friday, September 29 at 3:00pm in 408 Hayes Hall.

Holiday Decorations and accessories are being sold by the Boy Scouts. Several sizes of wreaths and garland are available. If interested contact Jayanti Suresh by October 25.

Beautiful U Day 200 will be September 27-28. Wednesday events will include breakfast at 11 locations, open house and free car washes at the new fleet services building, ribbon cutting at the new Gortner Avenue Ramp, and tree planting on Nicollet Island. Thursday activities will include cleanup at Sarita Wetlands, St. Pau; installation of sesquicentennial flags and banners; and lunch on the Washington Avenue Bridge and in the St. Paul Student Center; Recycling of electronic waste such as computers, fax machines, telephones, etc., on Upper Buford Circle in St. Paul, as well as various locations in Minneapolis. For information, visit <http://www.facm.umn.edu/bud/BUDay.htm>. To volunteer, call Julie Cavender at 612-626-8124.

## SEMINARS

September 26 Plant Biological Sciences, "Structural Organization of Transgene Loci in Hexaploid Oat," Sergei Svitashv, PostDoc Research Associate, Department of Agronomy & Plant Genetics, 3:30pm, 335 Borlaug Hall.

NOM Seminar Series, "Evolution of Methods of Extraction of Humic and Fulvic Acids from Soil and Water," Paul R. Bloom and C. Edward Clapp, Department of Soil, Water, and Climate;

and Patrick Brezonik, Department of Civil Engineering. 4:00pm, Rm 19 Green Hall.

September 27 WUSA, "Agroecology of Mutualism Between Plants and Mycorrhizal Fungi," Nick Jordan, Noon, 306 Borlaug Hall.

Department of Soil, Water, and Climate, "Runoff Loss of Pesticides and Soil From Fresh-Market Vegetable Production: A Comparison of Plastic Mulch Versus Vegetative Mulch," Dr. Pam Rice, USDA-ARS Beltsville, MD.

October 2 Plant Molecular Genetics Institute, Gary Malzer, Noon, 239 Gortner Lab.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

NORTH DAKOTA STATE UNIVERSITY  
Seedstocks Director Position. M.S. degree in agronomy, plant sciences, horticulture, or related area required. Closing date: October 25, 2000.

Position in Weed Ecology, Department of Plant Sciences. Ph.D. in weed science, crop production, plant ecology and biology or closely related field required. Closing date: November 1, 2000.

OREGON STATE UNIVERSITY  
Organic Environmental Chemist. Ph.D. in chemistry, environmental chemistry, soil chemistry, or closely related field required. Closing date: November 15, 2000.

UNIVERSITY OF KENTUCKY  
Assistant/Associate Professor of Agronomy, Agricultural Soil Management. Ph.D. in Agronomy, Soil Science, or closely related discipline required. Closing date: November 17, 2000.

MIN  
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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
October 2, 2000

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## ANNOUNCEMENTS

Greenhouse Users: A great job on the greenhouse cleanup. Thanks for your cooperation! DON'T FORGET: Pam will be gone on Wednesday, Thursday, and Friday, October 4-6. Everyone needs to do their own watering.

Fall Social! Agronomy and Plant Genetics will be holding a Fall Social on Friday, October 6<sup>th</sup>, from 2:30 to 4:30 in 306 Borlaug Hall. Everyone is welcome, come and enjoy delicious treats and meet staff, students, and faculty new to the department since last fall.

Our condolences to Hans Jung, whose mother passed away on October 1. A Private service will be held by the family.

## SEMINARS

October 2 Applied Plant Science, "Corn Breeding and Research at the University of Minnesota," Rex Bernardo, 3:30pm, 306 Borlaug Hall.

Biological Process Technology Institute, Faculty Candidate Seminar, "Genomics and the Renaissance of Aminoacyl-tRNA Synthesis," Michael Ibba, Ph.D., Associate Research Professor, Center for Bimolecular Recognition, the Panum Institute, Copenhagen, Denmark, 3:30pm, 239 Gortner Lab.

October 3 Plant Biological Sciences, TBA, 3:30pm, 335 Borlaug Hall.

October 4 WUSA, "Grazing Dairy Cattle in Minnesota," Dennis Johnson, Noon, 306 Borlaug Hall.

October 6 Eighth Annual Keuhnast Lectureship in Climatology, "Beyond Global Warming Yes or No," Dr. Roger Pielke, Jr, 3:30pm, 335 Borlaug Hall. Refreshments will be served at 3:00.

Weeds Discussion Group, "Creating a 4' x 4' Professional or Educational Poster Using Power Point," Krishona Martinson, 1:00pm, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF WISCONSIN EXTENSION  
Commercial Horticulture Educator, Waukesha/Milwaukee Counties. Bachelor's degree in a field that is related to the responsibilities of the position, such as horticulture, required. Closing date: October 25, 2000.

UNIVERSITY OF MINNESOTA-TWIN CITIES  
Assistant/Associate Director, Honors Program, College of Biological Sciences. Completed Masters' degree required with at least one degree in biological sciences. Position open until filled.



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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
October 9, 2000

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## ANNOUNCEMENTS

It's a Boy! Congratulations to Dr. Ronald Phillips who is a second time grandfather to Jacob Lee Phillips. Jacob was born on September 19, 2000 to Brett and Diane Phillips. He weighed 7 pounds 9 ounces and was 21-1/2 inches long.

## SEMINARS

- October 9 "Creating a 4' X 4' Professional or Educational Poster Using Power Point," Krishona Martinson, 2:30 p.m. in 306 Borlaug Hall.
- October 10 "Usefulness--or Lack Thereof-of Genomics Information in Selection for a Quantitative Trait in Corn," Dr. Rex Bernardo, 3:30 p.m. in 335 Borlaug Hall.
- October 16 Plant Molecular Genetics, "*Double agent* is similar to *SPY* but does it work in the same pathway?" Dr. Lynn M. Hartweck, 12:00 Noon in 239 Gortner Lab.
- October 17 Plant Biological Sciences, Functional genomics of the model legume *Medicago truncatula*: analysis of ESTs associated with plant-microbe interactions," Maria Fedorova, 3:30 p.m. in 335 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### University of California

Farm Advisor-Manure Management and Dairy Science in Merced County, Merced, California. Must have a Master's Degree in Dairy or Animal Science. Course work or training in dairy manure management is essential. Position is open until filled but to assure full consideration, application packets must be received by October 31, 2000.

### University of California

Farm Advisor-Livestock/Natural Resources located in Solano County, Fairfield, California. Must have a Master's degree in range management with knowledge and documented experience in livestock production. Position is open until filled but to assure full consideration, application packets must be received by October 31, 2000.

MW  
8/1/80

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

October 16, 2000

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## ANNOUNCEMENTS

The Diversity Council of the Federal Executive Board is asking for your support in conducting our first "Eyeglass Drive." The drive will kick off on Thursday, October 12 and run through Tuesday, October 31. All types of eyeglasses for children and adults are accepted. Please help us make our first eyeglass drive a "spectacular" event. Your continued support is greatly appreciated. For additional information or questions, please call Doreen Murray at 612-625-9270. Glasses can be dropped off in Borlaug Hall, room 454, through Tuesday, October 31.

Pumpkins for Sale—The Undergrad Club is selling pumpkins: \$3 (large), \$2 (medium), \$1 (small). This is a fund raising project for the club. Please contact the Main Office (411 Borlaug) to place your order.

The Employee Health and Benefits Fair will be held in the St. Paul Student Center on October 25 from 10am to 3pm. Available will be Benefits Counseling from 11:30am to 1pm and appearances all day by various Wellness and Benefits representatives.

## SEMINARS

October 17 Plant Biological Sciences Colloquium Series: "*Functional genomics of the model legume Medicago truncatula: analysis of ESTs associated with plant-microbe interactions.*" Maria Fedorova, Post Doc Res. Associate, Dept. of Agronomy & Plant Genetics, 3:30pm, 335 Borlaug Hall.

October 18 What's Up in Sustainable Agriculture (WUSA): "*Preserving Biological and Cultural Diversity—The Dream of Wild Health Network.*" Craig Hassel, Paul Red Elk & Sally Auger; Noon, 306 Borlaug Hall.

Department of Soil, Water, & Climate: "*A View From the Pits.*" Dr. Dick Rust, SWAC, 3:00pm, 375 Borlaug Hall.

October 19 Candidate for the Extension Educator and Assistant Professor Position, Sponsored by Department of Plant Pathology: "*Communicating the Science of Urban Plant Health Care to the Public.*" Bruce E. Paulsrud, Extension Specialist in Pesticide Applicator Training & Plant Pathology, University of Illinois; 9:00am, 491 Borlaug Hall.

Biological Process Technology Institute, Health Information Seminar: "*Hidden Markov Models for dioxygenase Folds.*" Edward Bryan, Ph.D. National Library of Medicine Postdoctoral Trainee, University of Minnesota; 3:30pm, 2-101 BSBE, Minneapolis Campus.

October 23 Applied Plant Sciences Seminar Series: TBA. Dr. John Erwin, Department of Horticultural Science, 3:30pm, 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**ASA, CSSA, & SSSA SCIENCE FELLOWSHIP PROGRAM**

Applications are currently being accepted for the 2002 Congressional Science Fellowship Program, which could begin any time from September 2001 to early January 2002. Applications will be accepted until the position is filled, however, the Selection Committee will screen all applications received as of March 2001.

**UNIVERSITY OF MISSOURI, OUTREACH & EXTENSION**

Agronomy Specialist. Masters Degree in agronomy and/or soil science required. Closing date: October 30, 2000.

**UNIVERSITY OF WISCONSIN EXTENSION**

Agriculture Agent, Rusk County. Master's Degree with at least one degree in a field that relates to the responsibilities of this position such as agriculture or agriculture education. Closing date: November 15, 2000.

MIN  
9/28/00

# Agronomy Gleanings

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October 23, 2000

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The Employee Health and Benefits Fair will be held in the St. Paul Student Center on October 25 from 10 am to 3 pm. Available will be Benefits Counseling from 11:30 am to 1 pm and appearances all day by various Wellness and Benefits representatives.

Apartment Available- 2082 Como Avenue at corner of Cleveland and Como. One bedroom, 3<sup>rd</sup> floor, \$550/month. Ideal for student or postdoc in need of housing. Contact Carroll Vance for further information.

2000 Harvest Bowl Farmer's Share Breakfast & Auction is Saturday, October 28 at 7 am until 9:30 am in the St. Paul Student Center.

Halloween at Eastcliff: President Mark Yudof and Judy Yudof invite neighborhood children and children of University staff, faculty, and students to visit Eastcliff from 3-5:30 pm on Tuesday, October 31 (recommended for children up to age 10). Please come in costume and bring a camera. To attend, respond by Thursday, Oct. 26 to 612-627-6800 or [eastclif@umn.edu](mailto:eastclif@umn.edu)

## SEMINARS

October 23 Applied Plant Sciences Seminar Series: "To Flower, or not to Flower? That is the Question! Studies on the Effect of Temperature and Light on Flowering." Dr. John Erwin, Department of Horticultural Science, 3:30 pm, 306 Borlaug Hall

October 24 Plant Biological Sciences Colloquium: "Population genetics of obligate pollination mutualisms." Dr. Jason Nason, Plant Population Structure, Iowa State University. 3:30 pm in 335 Borlaug Hall.

Department of Soil, Water, & Climate Seminar: "Soybean Research and EMBRAPA: Opportunities for Collaboration." Dr. Caio Vido, EMBRAPA Soybean Center, 4:00pm, 491 Borlaug Hall.

October 25 WUSA "From Land to Mouth" Making the Link Between Nutrition and Sustainable Agriculture," Lynn Mader, Noon, 413 Hayes Hall.

October 26 "Design of a User Interface for a BioRepository" Scott T. Hickman, Program Manager, BioRepository Gen Logic, Inc. 3:30 pm in 2-101 Basic Sciences and Biomedical Engineering, Minneapolis campus.

"Minnesota High School Graduation Standards and University Science Education," Michael Minnema, Minnesota Department of Children, Family, and Learning, 3:30 pm - 4:30 pm in 415 Soils.

Department of Plant Pathology,  
Candidate for the Extension Educator  
and Assistant Professor Position:  
"Communicating the Science of Urban  
Plant Health Care to the Public," Janna  
L. Beckerman, Postdoctoral Fellow,  
Department of Genetics, Cell Biology  
and Development, University of  
Minnesota. 9:00am, 491 Borlaug Hall.

October 27 Department of Plant Pathology,  
Candidate for the Extension Educator  
and Assistant Professor Position:  
"Communicating the Science of Urban  
Plant Health Care to the Public."  
Monica Wallace, Technical Writer, 3M  
Microbiology Products Department,  
9:00am, 491 Borlaug Hall.

October 30 Plant Molecular Genetics Seminar: "A  
complete series of oat-maize  
chromosome addition lines: a novel  
tool for maize genomics and genetics,"  
Dr. Ralf Kynast, Noon in 239 Gortner  
Lab.

Gender, Development & Population:  
"How Great Our Sin: The Political  
Ecology of Rainforest Destruction."  
Arthur F. Thurnau, Professor of  
Biology, University of Michigan,  
3:30pm, St. Paul Student Center  
Theater.

KANSAS STATE UNIVERSITY  
Research/Extension Faculty in Food Crops (primary  
emphasis - fruit) with a rank of assistant  
professor/tenure-track at John C. Pair  
Research/Extension Center at Wichita, Kansas. Must  
have a Ph.D. in horticulture with an emphasis in fruit  
crops. Application deadline is March 1, 2001.

OREGON STATE UNIVERSITY  
Assistant Professor in the Department of Forest  
Science, Corvallis, OR. Must have a Ph.D. in plant  
genetics or breeding, or a closely related discipline.  
Application closing date is December 15, 2000.

CEREAL CROPS RESEARCH UNIT, MADISON, WI  
Biological Science Laboratory Technician, USDA,  
ARS. The primary responsibility is to assist in  
molecular genetics research to improve barley and oat  
quality. Degree is desirable with strong experience in  
molecular biology laboratory techniques and operation  
of laboratory instruments. Closing date: October 31,  
2000.

SUNSEEDS  
An assistant scientist position is immediately available  
in the biotechnology laboratory. Emphasis of the  
position will be on molecular marker systems, DNA  
fingerprinting, RAPDs and AFLPs. Master's,  
bachelor's, or equivalent experience is needed.

UNIVERSITY OF NEBRASKA-LINCOLN  
Assistant, Associate, or Full Professor positions in  
Plant Sciences. Ph.D. required. Closing date:  
November 20, 2000.

### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

#### OFFICE HELP

The USDA-Agricultural Research Service on the St.  
Paul Campus is looking for office help. The job duties  
would include filing, typing, basic accounting,  
answering phones & greeting visitors. Knowledge of  
computer software packages such as Word Perfect or  
Word. Please contact Pam Groth at 651-649-5047 or  
email groth005@tc.umn.edu for more information.

#### WATERFOWL PRODUCTION AREA SURVEY

Currently looking for people to drive occasional  
midweek and weekend survey routes along the  
Waterfowl Production Areas of Western Minnesota.  
Drivers are paid a ~\$55/day stipend plus per-diem  
(meals and hotel) while in the field. Vehicles are  
provided. Schedules are flexible. DRIVERS ARE  
NEEDED IMMEDIATELY! Please contact David  
Fulton (612-625-256) or Samantha Hayes (612-624-  
1224).

# Agronomy Gleanings

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October 30, 2000

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## ANNOUNCEMENTS

Conference/Meeting Space Rental Requires Agreement Review: The use of non-University conference facilities and meeting rooms (e.g., hotels, conference centers, resorts, etc.) Requires that a lease agreement be reviewed and approved by the University's Real Estate Office.

As part of the planning process for your conferences or meetings, you need to send to the Real Estate Office, for review and approval, any lease agreement and/or other materials (maps, floor plans, etc.) You've received from the facility selected for the event. If the selected site does not use a standard agreement form, you may obtain a University standard use and lease agreement from the Real Estate Office.

Note: Hotel room reservations for short stays that do not require advance payment of evidence of liability insurance do not require a lease agreement.

For more information, see Financial Policy 3.14.2, Using & Leasing Non-University Real Estate at [http://www.fpd.finop.umn.edu/groups/ppd/documents/policy/Using\\_NonU\\_Real\\_Estate.cfm](http://www.fpd.finop.umn.edu/groups/ppd/documents/policy/Using_NonU_Real_Estate.cfm) or contact Ginger DeRosier, Leasing Manager, at (612) 626-2231 or [derosier@tc.umn.edu](mailto:derosier@tc.umn.edu)

No Tax on Meals Catered On Site: Remember that any meals or prepared food served on University "school premises" are not subject to Minnesota sales tax or city sales tax. This exemption applies even when the meals are prepared or provided by a private food service company or caterer.

So, the next time you order a pizza delivered or a department lunch meeting or the next time you arrange for a caterer to provide mid-afternoon refreshments during a conference, remember to advise the caterer of the University's sales tax exemption on catered meals and prepared food.

Please note this sales tax exemption does not apply when the University purchases meals at a restaurant or some other establishment that is not on school premises.

If anyone knows of a Larbi Belkouch, please let someone

in 411 know. We have international mail for this person and have not been able to determine who it is.

The University of Minnesota will confer upon Mr. Norman Berg the Honorary Doctor of Laws Degree. This is the highest honor that the University bestows. Mr. Berg (Norm) is a graduate of the U of MN and was nominated for this honor by Bill Larson of the Soil, Water, and Climate Department. The formal Ceremony granting Norm this honor will be held at the Gateway Center at about 4:00pm on Sunday, November 5. This will be a part of the annual Minnesota Get-Together at ASA. All are invited to attend this ceremony.

Many people have requested William R. Luellen's book "Fine-Tuning Your Writing." If anyone is planning on ordering one or more copies of the book, and can afford to prepay, please do so. If 200 or more orders are submitted, each person will receive an autographed copy.

## SEMINARS

October 31 Plant biological Sciences Colloquium: "Fungal Pathogenicity to Plants, From Head to Foot." Dr. Corby, Kistler, USDA-ARS/Fungal Geneticist, Cereal Disease Lab, St. Paul Campus. 3:30pm, 335 Borlaug Hall.

November 1 Department of Plant Pathology, E.C. Stakman Award Lecture: "Powdery Mildew of Barley: A Model System for Host-parasite Interaction." William, R. Bushnell, E.C. Stakman Award Recipient. 3:15 Refreshments, 4:00 Lecture, 306 Borlaug Hall.

Department of Soil, Water, & Climate: ASA Practice Seminars. 3:00pm, 375 Borlaug Hall.

WUSA: "Climate Change, Agriculture, and Conservation." Ann Lewandowski. Noon, 306 Borlaug Hall.

- November 2    **Biological Process Technology Institute, Health Informatics Seminar: "The UM Center for Microbial and Plant Genomics."** Dr. Ronald Phillips, Director of CMPG University of Minnesota. 3:30pm, 2-101 BSBE, Minneapolis Campus.
- November 3    **Special Seminar/Discussion: "An Overview of the Biology and Agriculture Program at Brigham Young University."** Kent Crookston. Noon, 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**AGRI-GROWTH, INC.**

Technical Editor, Agronomic Trainer, Business and Market Development. All positions currently available, if interested please contact them.

**COLORADO STATE**

Research Associate, Alternate/New Crops. B.S. required, M.S. Degree preferred in Agronomy/Crops, or a closely related field. Closing date: December 1, 2000.

**KANSAS STATE UNIVERSITY**

Graduate Research Assistant. B.S. or M.S. in range science, weed science, or related discipline. Closing date: January 2001.

**PIONEER HI-BRED INTERNATIONAL, INC.**

Senior Research Associate, TDI Greenhouses. A Masters degree in Plant Sciences, Agronomy or related subject and at least two years of greenhouse or field experience.

Research Associate (IT). A BS or MS degree in biology, agronomy, crop production or a related degree focused on agriculture required.

**UNIVERSITY OF MINNESOTA-COAFES**

Program Associate in the COAFES Administrative Office.

MIN  
BAGS

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
November 7, 2000

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## ANNOUNCEMENTS

New Rental Unit Available: As of December 1, 200, a bedroom, furnished apartment at 1666 Coffman will be available. For further details, please contact Donna at 651-644-4541.

## SEMINARS

November 7 Plant Biological Sciences Colloquium: "Molecular Mechanisms of Floral Patterning." Dr. Detlef Weigel, Salk Institute, San Diego, CA. 3:30pm, 335 Borlaug Hall.

November 8 WUSA: "The Use of Green Manures to Enhance Indigenous Antagonists and Control Plant Diseases," Linda Kinkel. Noon, 306 Borlaug Hall.

Horticultural Science: "Antitranspirants as Pre-Treatment for Stock Plants to Promote Adventitious Rooting," Susan Switras. 3:30pm, 305 Alderman Hall.

November 9 Biological Process Technology Institute: "Ammonia, Butane and Toluene Metabolism and Role in Bioremediation, Daniel J. Arp, Ph.D., Botany & Plant Pathology, Oregon State University. 3:30pm, 239 Gortner Labs.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

Assistant Professor/Associate Professor, Soil Physics. A Ph.D. in agronomy, soil science, or an equivalent discipline required. Closing date: December 1, 2000.

Assistant Professor, Forage Systems Agronomy. A Ph.D. in plant and soil sciences, agronomy or a closely related discipline required. Closing date: January 4, 2000.

Assistant Professor, Systems Agronomy. Ph.D. in agronomy or closely related discipline required. Closing date: November 15, 2000.

Research Assistant/Associate, Department of Plant and Soil Sciences. B.S./M.S. degree in the field of agronomy, plant and soil science, or closely related field required. Closing date: December 1, 2000.

### UNIVERSITY OF NEBRASKA-LINCOLN

Cereal Chemist/Food Scientist. Ph.D. Degree in Cereal or Food Science, Biochemistry, Plant Science or a closely related field required. Closing date: January 10, 2001.

Soil Fertility and Nutrient Management Specialist. Ph.D. in soils or agronomy required. Closing date: January 31, 2001.

### OREGON STATE UNIVERSITY

Forest Geneticist and Leader, Pacific Northwest Tree Improvement Research Cooperative. Ph.D. in plant genetics or breeding required. Closing date: December 15, 2000.

### SOUTH DAKOTA STATE UNIVERSITY

County Extension Educator, Agronomy. Bachelor's Degree in Agriculture required. Closing date: November 27, 2000.

### THE PENNSYLVANIA STATE UNIVERSITY

Assistant/Associate Professor—Weed Science/Ecology. Ph.D. in Agronomy, plant science or closely related discipline with a weed science emphasis. Closing date: December 1, 2000.

Assistant Professor, Turfgrass Nutrition/Soil Fertility. Ph.D. in turfgrass science, agronomy, soil science, horticulture, or closely related field. Closing date: January 1, 2001.

### UNIVERSITY OF MINNESOTA

Media Relations Representative. Bachelor's degree in



journalism, communication, or related field. Closing date: November 17, 2000.

**UNIVERSITY OF WASHINGTON**

Plant biologist. Ph.D. required. Closing date: December 15, 2000.

**KANSAS STATE UNIVERSITY**

Full-time research assistant, temporary position. B.S. in Agronomy, Soil Science, or Chemistry with strong course work in chemistry. Closing date: December 15, 2000.

MIN  
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# Agronomy Gleanings

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November 13, 2000

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## ANNOUNCEMENTS

Department History Book Presentation: On Monday, November 20, from 2:45-3:15 in 306 Borlaug Hall there will be a Presentation and distribution of "Agronomy and Plant Genetics at the University of Minnesota from 1888 to 2000," for faculty, students, staff, emeritus faculty and retirees group members. This brief event will initiate the distribution of our departmental history book and will recognize some of the many individuals who helped in its compilation. Please come and help in this recognition and receive your copy of the book.

Ryan Miller, an undergraduate student in the department, received first place for his presentation in the undergraduate research section at ASA last week. The title of his presentation was "The Effect of Time of Day of Application upon Efficacy of Chlorimuron Ethyl and Fomesafen." Authors: Ryan Miller, Beverly R. Durgan, Doug Miller and Vern Cardwell. Congratulations Ryan.

It is time for the APS annual Sloppy Joe Lunch and Fundraiser. The Sloppy Joe lunch will take place on November 21 at noon in 306 Borlaug. Raffle tickets can be purchased for \$1 from all APS grad students. Lunch will cost \$3. Any and all volunteer desserts are welcome (they can be dropped off in 306 Borlaug that morning). Hope to see you there!

A general information tour of the St. Paul greenhouses, Agricultural Pesticide Facility, Crops Service Building, and Ag Services Shop will be given on November 28 at 10:00am. This is a great opportunity for anyone who is new or unfamiliar with these facilities. If you have any need of using any of these facilities or are just interested in what goes on on the northeast side of campus, please meet us at the Agronomy/Plant Pathology Classroom Greenhouse, 1522 Gortner Avenue. The tour will last approximately 90 minutes. The Resources Coordinating Team and greenhouse staff will lead the tours. For questions, call Dann Adair at 625-3779 or email [danna@umn.edu](mailto:danna@umn.edu).

Undergraduate and Graduate Students, Postdocs and all Staff: You are especially encouraged to participate in a discussion of the College's Priority Themes and Vision for the Future on Thursday, November 16, from 11:30am to 1:30pm. Pizza lunch will be provided in the North Star Ballroom of the St. Paul Student Center.

## SEMINARS

November 13 Applied Plant Sciences: "Molecular Mapping of Disease Resistance in Wheat," Sixin Liu, Department of Agronomy and Plant Genetics. 3:30pm, 306 Borlaug Hall.

November 14 Plant Biological Sciences Colloquium: "The Role of bHLH proteins in Arabidopsis Cell-fate Determination or The Hair Club for Plants," Dr. Alan Lloyd, University of Texas-Austin. 3:30pm, 335 Borlaug Hall.

November 15 WUSA: "Chefs Shape the Future of Food," Prescott Bergh. Noon, 306 Borlaug Hall.

Department of Soil, Water, & Climate: "The Penetration of Photosynthetically Active and Ultraviolet Radiation into Vegetative Canopies," Martha Shulski, SWAC. 3:00pm, 375 Borlaug Hall.

November 16 Biological Process Technology Institute: "Automated Fitting of Proteins Structures Into X-Ray Electron Density Maps," David Levitt, M.D., Ph.D., Department of Physiology, University of Minnesota Medical School. 3:30pm, 2-101 Basic Sciences and Biomedical Engineering (BSBE), Minneapolis Campus.

November 17 Defense Seminar: "The Lichen Genus *Sticta* in the Great Smoky Mountains National Park," Tami R. McDonald, Graduate Assistant, Plant Biological Sciences Graduate Program. 3:30pm, 150 Ecology.

Gender, Development, & Population:  
"Tropical Tropes and Barren Slopes:  
Population, Environment and Security,"  
Betsy Hartmann, Director, Population  
and Development Program, Hampshire  
College. 3:30pm, HHH Center 215,  
West Bank.

November 20 Applied Plant Sciences: "Genetic  
Analysis of Agronomic and Quality  
Traits on Chromosome 5B of Triticum  
Dicoccoides," and "The Structure and  
Function of the Expressed Portion of the  
Wheat Genomes." Jose L. Gonzales,  
Department of Agronomy and Plant  
Genetics. 3:30pm, 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**ARKANSAS STATE UNIVERSITY**

Assistant/Associate Professor of Agronomy. A doctorate  
in agronomy or a closely related field required. Closing  
date: December 15, 2000.

**THE PENNSYLVANIA STATE UNIVERSITY**

Assistant Professor, Turfgrass Nutrition/Soil Fertility.  
Requires a Ph.D. in turfgrass science, agronomy, soil  
science, horticulture, or closely related field. Closing  
date: January 1, 2001.

Assistant or Associate Professor, Hydropedologist/Soil  
Hydrologist. Ph.D. in Soil Science or a related field  
required. Closing date: December 1, 2000.

MIN  
9/25/00

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
November 20, 2000

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Happy Thanksgiving! Remember, all University offices will be closed Thursday, November 23 and Friday November 24 for the Thanksgiving Holiday.

It is time for the APS annual Sloppy Joe Lunch and Fundraiser. The Sloppy Joe lunch will take place on November 21 at noon in 306 Borlaug Hall. Raffle tickets can be purchased for \$1 from all APS grad students. Lunch will cost \$3. Any and all volunteer desserts are welcome (they can be dropped off in 306 Borlaug that morning). Hope to see you there!

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Department History Book Presentation: Today, Monday, November 20, from 2:45-3:15 in 306 Borlaug Hall there will be a Presentation and distribution of "Agronomy and Plant Genetics at the University of Minnesota from 1888 to 2000," for faculty, students, staff, emeritus faculty and retirees group members. This brief event will initiate the distribution of our departmental history book and will recognize some of the many individuals who helped in its compilation. Please come and help in this recognition and receive your copy of the book.

North Carolina Poster Feedback: Anyone interested in feedback on posters, etc., please contact Don Ide ([idx003@umn.edu](mailto:idx003@umn.edu) or 4-7706) by November 22<sup>nd</sup>. He will be making arrangements for poster displays for Wednesday, November 29 in 408 Hayes Hall.

## SEMINARS

November 21 Plant Biological Sciences Colloquium Series: "The Many Tubulin Genes of Maize: an Insertional Mutagenesis Saga," Susan Wick, Department of Plant Biology, University of Minnesota. 3:30pm, 335 Borlaug Hall.

November 27 Plant Molecular Genetics Institute: "TBA," Georgiana May. Noon, 239 Gortner Lab.

Applied Plant Sciences: "TBA," Ryan Warner, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

M.S. Thesis Defense in Applied Economics: "Profitability and Risk Analysis of Organic vs. Conventional Cropping Systems in Minnesota," Paul Mahoney. 1:30pm, 230 Classroom Office Building.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### MONTANA STATE UNIVERSITY

Director, Center for Invasive Plant Management. B.S. Degree from a four-year accredited institution required. Closing date: December 15, 2000.

### NORTH CAROLINA STATE UNIVERSITY

Assistant Professor-Soil Microbiology. Ph.D. in Soil Science or related area with appropriate training in soil microbiology and biochemistry required. Closing date: March 1, 2001.

### THE PENNSYLVANIA STATE UNIVERSITY

Assistant or Associate Professor, Hydropedologist/Soil Hydrologist. Ph.D. in soil science or related field required. Closing date: December 1, 2000.

MLW  
gAgSlee

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
November 27, 2000

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## ANNOUNCEMENTS

Season's Greetings. Department Staff, Graduate Students, Postdocs and Faculty and their spouses or guest are invited to a Holiday Open House, Sunday December 10, 1:00pm-5:00pm at the home of Burle and Lou Gengenbach, 1994, Beacon Street, Roseville. Maps and directions are available from Jean Swanson.

To All the Members of Agronomy & Plant Genetics--  
I want to say thank you for the show of interest and enthusiasm displayed at the book signing on 11-20-00. I am sorry that I could not give each of your names, but between a few years, and some personnel changes, I have grown a little older than I think the calendar says. I especially want to thank Harlan Stoehr and Burle Gengenbach for the push and assistance they contributed to get the book finished and published. Also, to the many who wrote about their project, or wrote sections in the book. Walt Wedin never wavered working on the Honors section. Others also contributed valuable and interesting information. I still wonder that they were able to keep the dedication section a secret from me. "Another well done task to make the book a success." The copy of the book that Burle gave to me is now headed to an area in the Department as a part of the history of the Department. That is why I wanted your names in that book. Thanks for a great day and God Bless!!

Very Sincerely,  
Laddie J. Elling  
Professor Emeritus

Reminder: A general information tour of the St. Paul greenhouses, Agricultural Pesticide Facility, Crops Service Building, and Ag Services shop will be given on November 28 at 10:00am. This is a great opportunity for anyone who is new or unfamiliar with these facilities. If you have need of using any of these facilities or are just interested in what goes on on the northeast side of campus, please meet at the Agronomy/Plant Pathology Classroom Greenhouse, 1522 Gortner Avenue. The tour

will last approximately 90 minutes. The Resources Coordinating Team and greenhouse staff will lead the tours. For questions, call Dann Adair at 5-3779 or email [danna@umn.edu](mailto:danna@umn.edu).

North Central Posters will be on display Wednesday, November 29, in room 408 Hayes Hall from 9:30am to 3:30pm. All are welcome to view and present feedback during this time.

## SEMINARS

November 29 Department of Soil, Water & Climate: "TBA," Farhana Alamgir. 3:00pm, 375 Borlaug Hall.

WUSA: "Family Issues in the Transition to Sustainable Agriculture," Paul Rosenblatt. Noon, 306 Borlaug Hall.

November 30 Plant Biological Sciences Colloquium: "Analysis of actin and microtubule binding proteins in plants," Dr. Patrick Hussey, University of Durham-UK. 3:30pm, 33 McNeal Hall.

Department of Horticultural Science: "Small Fruit Breeding and Genetics at the USDA-Beltsville," Dr. Stan C. Hokanson, Small Fruit Research Geneticist/Breeder USDA-ARS Fruit Lab, Beltsville, MD, A candidate for the Woody Landscape Plant Breeding and Genetics Position. 9:30am, 310 Alderman Hall.

December 1 Gender, Development & Population: "New Directions in Population Policy," Lori Ashford--Senior Policy Analyst, International Programs, Population Reference Bureau. 3:30pm, 125 Andrew Boss Laboratory.

- December 1    Biosystems & Agricultural Engineering:  
"Minnesota's Animal Agriculture  
Generic Environmental Impact  
Statement (GEIS): A Status Report," Pat  
Henderson, COAFES Representative to  
the Citizen Advisory Committee of the  
Generic Environmental Impact  
Statement on Animal Agriculture.  
2:00pm, 106 BioAgEng.
- December 4    Applied Plant Sciences: "TBA," Kelley  
Belina, APS Graduate Student. 3:30pm,  
306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**FAIRLAND MANAGEMENT COMPANY**  
Farm Manager. Bachelor's Degree from an agricultural  
college required.

**IOWA STATE UNIVERSITY**  
Assistant/Associate/Full Professor in Maize Breeding.  
Ph.D. degree in plant breeding or an equivalent discipline  
required. Closing date: February 15, 2000.

**UNIVERSITY OF MISSOURI-COLUMBIA**  
Research Associate, Department of Agronomy. M.S. in  
Weed Science, or B.S. in Agronomy with 5 years of  
practical, applied Weed Science Research experience  
required.

MIN  
AgSci

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
December 4, 2000

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Season's Greetings. Department Staff, Graduate Students, Postdocs and Faculty and their spouses or guests are invited to a Holiday Open House, Sunday December 10, 1:00pm-5:00pm at the home of Burle and Lou Gengenbach, 1994 Beacon Street, Roseville. Maps and directions are available from Jean Swanson.

Mark Your Calendars—The Departmental Holiday Party will be Thursday, December 14 from Noon to 2:00pm in 306 Borlaug Hall. We will have a potluck lunch.

## SEMINARS

December 4 Applied Plant Sciences: "Teosinte to Corn: Effects of Domestication on Maize Genes," Kelly Belina, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

December 5 Plant biological Sciences Colloquium: "Indole-3-acetic acid modified proteins in plants," Dr. Jerry Cohen, Department of Horticulture, University of Minnesota. 3:30pm, 335 Borlaug Hall.

West Central Research & Outreach Center: "Cattle Feeders Day," 9:00am-3:00pm, Administration Building, Conference Room, Morris, MN.

Southern Research & Outreach Center: "MN Pork Conference." Fairmont, MN.

December 6 WUSA: "Minnesota Agricultural Student Trainee Program," Student Panel. Noon, 306 Borlaug Hall.

Department of Soil, Water, & Climate: "TBA," Siva Kumar Balasundram, SWAC. 3:00pm, 375 Borlaug Hall.

December 7 Biological Process Technology Institute: "Ideas Turned Upside Down: Latex-Bacterial Composite Coatings for Automated Screening, Biosensor, and

Biocatalyst Applications," Michael C. Flickinger, Ph.D., Professor of Biochemistry, Molecular Biology, and Biophysics, and Biological Process Technology Institute, University of Minnesota. 3:30pm, 239 Gortner Labs.

December 8 Funding Forum: "Got Money? Finding Funding Opportunities." 11:30am-12:45pm, 6-101 BSBE, East Bank.

December 11 Plant Molecular Genetics Seminar: "Molecular Adaptations by Plant to Phosphorus Stress," Dr. Carroll Vance, Department of Agronomy and Plant Genetics, University of Minnesota. Noon, 239 Gortner Lab.

Applied Plant Sciences: "TBA," Ryan Hayes, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**GOLDEN HARVEST RESEARCH**  
Six Month Internship. Must be able to acquire a CDL. Closing date: June 1, 2001.  
Three Month Internship. Closing date: June 1, 2001.

**MILWAUKEE BREWERS BASEBALL CLUB**  
Manager-Grounds. Degree in Agronomy or Landscape Horticulture Required. Closing date: December 22, 2000.

**NORTH DAKOTA STATE UNIVERSITY**  
Research Specialist. Bachelors of Science degree in agronomy or related field required. Closing date: January 31, 2001.

**UNIVERSITY OF NEBRASKA LINCOLN**  
Research Technologist. Bachelor's with major in agronomy, chemistry, or related field required. Available Immediately.

MLW  
AgSec

# Agronomy Gleanings

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December 11, 2000

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Happy Holidays! There are two holiday parties quickly approaching in the department. On December 14 will be the Department Holiday Potluck from Noon to 2:00pm in 306 Borlaug Hall. Please bring a favorite dish to share. On December 18 The Secretaries' Annual Cookie Party will be held in from 411 Borlaug Hall from 9:00am to Noon. Please come and enjoy cookies, coffee and hot cider.

Persons renewing their Pesticide Applicator's License: John Wagner, MN Department of Agriculture, has stated that credit card payments are NOT an option for you to pay for your Pesticide Applicator's License renewal. Their department continues to process payments by check and money orders only. One check will be processed for persons in our department renewing their licenses. Please complete the applicator's renewal form and return to Marilyn Swanson by January 15, 2000.

Twin Cities Public Television will broadcast the series "Minnesota Rivers and Fields," a documentary of the Minnesota River Watershed, starting December 19, 2000. The programs can be viewed in the Twin Cities area on Channel 17 from 10 to 11pm.

The Grad Club would like to thank everyone who helped make this year's Sloppy Joe Lunch and Turkey Raffle a great success. We made \$350 this year, over \$100 more than in previous years! Thank you to everyone who bought raffle tickets, donated raffle prizes, shared a dessert, and joined us for lunch. Your support was much appreciated!

Postal Changes at Union Station: Due to Post Office regulations and our department's accounting requirements, they will be making two changes at the Union Station Post Office branch in the St. Paul Student Center, effective January 2, 2001. First, they will no longer be able to charge postage stamp orders or postal meter services to CUFS accounts. Second, they will not be able to provide addressing and mailing services for

bulk mailings. Other University departments provide these services: The Bursar's Office for stamps and Addressing and Mailing Service for meter mailings. Stamp purchases on CUFS accounts may be made at: St. Paul Bursar's Office Coffey Hall. Contact: Austin at 625-7288 in room 107 Monday-Friday 8am to 3:30pm.

We have received word that Dr. Keith Auckland passed away in Sheffield, UK, on October 22, 2000. Keith was 68 and had suffered from bone cancer. He received his PhD in the department in 1974 with Jean Lambert as an advisor. Keith was senior agronomist for the Asian Development Bank in Manila and had been awarded the Officer of the Order of the British Empire award for his development work in various areas of the world.

## SEMINARS

December 11 -POSTPONED--Applied Plant Sciences Seminar: "Breeding for Cold Chipping Potato Cultivars Using Sexual Polyploidization," Ryan Hayes, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

December 12 Plant Biological Sciences Colloquium: "Chromosome territory in the Arabidopsis nucleus: a heterochromatin centre and euchromatin loops," Dr. Paul Franz, Swammerdam Institute for Life Sciences, University of Amsterdam. 3:30pm, 335 Borlaug Hall.

December 13 WUSA: "Native Perennial Legumes--Possibilities for Minnesota Agriculture," Eric Ristau. Noon, 306 Borlaug Hall.

Department of Soil, Water, & Climate: "Predicting nitrogen release based on crop residue quality--an enigma," Dr. Kuldip Kumar, SWAC. 3:00pm, 375 Borlaug Hall.



## **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

### **OREGON STATE UNIVERSITY**

Extension Faculty, Ornamental Crops Production. Master of Science degree with at least one degree in horticulture or a closely related field required. Closing date: January 2, 2001.

### **UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION**

Natural Resources Advisor. A Master's Degree in Natural Resources Management, Watershed Management, Ecology, Environmental Science, Biology or a closely related field required. Closing date: February 28, 2001.

### **TUFTS UNIVERSITY**

Faculty Appointment, Program in Agriculture, Food and Environment. An earned doctorate in an appropriate field required. Closing date: December 15, 2001.

### **GOLDEN HARVEST RESEARCH**

Plant Breeder. M.S. or Ph.D. in Agronomy and/or Plant Breeding with emphasis in corn breeding required.

### **PLATTSBURGH STATE UNIVERSITY OF NEW YORK**

Plant Biologist. A Ph.D. degree with a broad background in organismal plant biology is required.

### **UNIVERSITY OF WISCONSIN EXTENSION**

Agriculture Agent, Rusk County. Master's degree with at least one degree in a field that relates to the responsibilities of this position such as agriculture or agriculture education required. Closing date: January 3, 2001.

### **PIONEER HI-BRED INTERNATIONAL, INC.**

Product Advancement Trial Intern (6-month position). Enrollment in agriculturally-related degree program desirable but not essential.

MIN  
9-19-00

# Agronomy Gleanings

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

December 18, 2000

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## ANNOUNCEMENTS

Birth Announcement! Josh and Tina Larson are the proud parents of a baby boy, Russel Larson. He was 9 pounds, 4 ounces and 22 inches long. Both Mom and Son are doing fine.

J.R. Johnson Supply and Credit Card Returns: When returning product to J.R. Johnson Supply be sure the sales person writes on the credit invoice, "Credit U of M Mastercard." J.R. Johnson will issue a credit memo unless you specifically request credit on your credit card purchase.

Department Holidays: All University offices will be closed December 25, 26 and January 1.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

**NORTH CAROLINA STATE UNIVERSITY**  
Research Associate, Department of Soil Science or Crop Science. Ph.D. and appropriate training and experience required in areas such as crop, soil, or agronomic sciences, remote sensing, water quality, or GIS. Closing date: January 15, 2001.

**UNIVERSITY OF MINNESOTA**  
Information Technology Specialist, College of Human Ecology. One or two years of any combination of relevant post High School computer technical education and/or training required.

Alto  
Agro

# Agronomy Gleanings

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January 2, 2001

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## ANNOUNCEMENTS

Congratulations to Dr. Donald Rasmusson, he will be WCCO Good Neighbor on January 4, 2001. The message will air at 7:50am, 12:40pm, and 5:50pm.

Birth Announcement! Dr. Lee Hardman is the proud Grandfather of a 10 pound, 11 ounce baby boy. Hans Willem Dykstra was born on January 01, 2001 at 3:00pm. Hans has an older brother Drew.

## SEMINARS

January 5 Ph.D. Thesis Defense Seminar:  
"Genetics of Fusarium Head Blight,  
Kernel Discoloration and Grain Protein  
Content in Barley," Paulo Canci.  
9:00am, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### McGILL

Assistant Professor, Landscape Ecology. A Ph.D. in a relevant field is require. Closing date: February 5, 2001.

### NORTH DAKOTA STATE UNIVERSITY

Tenure track position in the Department of Plant Sciences. Ph.D. in plant molecular genetics, weed science (with a strong background in genetics) or closely related area required. Closing date: January 23, 2001.

### SOUTH DAKOTA STATE UNIVERSITY

Research Assistant, Plant Sciences Department. An earned B.S. and one year of experience in Agronomy or a related field required. Closing date: January 15, 2001.

### THE UNIVERSITY OF ARIZONA

Assistant/Associate or Full Professor, Plant Genomics. The position requires a Ph.D. degree and postdoctoral research experience in an appropriate field of study. Closing date: February 24, 2001.

### UNIVERSITY OF NEBRASKA LINCOLN

Full-time Research Technologist I position in the Department of Agronomy and Horticulture. B.S. in Agriculture or an applied biological science is required, M.S. preferred. Closing date: January 2, 2001.

### UNIVERSITY OF WISCONSIN EXTENSION

Agribusiness Agent, Walworth County. Master's degree with at least one degree in a field that relates to the responsibilities of this position such as agriculture or agriculture education. Closing date: January 31, 2001.

MIW  
Ag 86a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
January 8, 2001

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## ANNOUNCEMENTS

Martin Luther King, Jr. Day, Monday, January 15, is observed by the University and all University offices will be closed in recognition of the holiday.

Reminder: Persons renewing their Pesticide Applicator's License—According to John Wagner, Minnesota Department of Agriculture, credit card payments are NOT an option for you to pay for your pesticide applicator's license renewal. Their department continues to process payments by check and money orders only. ONE CHECK will be processed for persons in our department renewing their pesticide license. Please complete the applicator's renewal form and RETURN TO MARILYN SWANSON by **January 14, 2001**. Be sure to indicate the CUFS # in which to pay your application fee from.

Mileage reimbursement rates for use of personal vehicles while on University business have increased from 32.5¢ per mile to 34.5¢ per mile effective January 1, 2001. Change is consistent with IRS adjustment.

Reminder: W-2 tax forms will be mailed in late January to the home address listed on your paycheck or direct deposit statement. Be sure this address is where you want your W-2 to be mailed. If not, contact Jeanne Davy or Marilyn Swanson to correct address.

## SEMINARS

January 11 Plant Biological Sciences Graduate Program: "The roles GLABRA2 (GL2) in the trichome and seed coat mucilage developmental pathways of Arabidopsis," Scott Sattler, Graduate Assistant. 1:00pm, 306 Borlaug Hall.

January 16 Plant Biological Sciences Colloquium Series: "Leaf Shoot Interactions and Photoperiodic Flower Initiation: Hydraulic Electrophysiological Communication," Edgard Wagner, Institut fuer Biologie II, Universitaet

Freiburg, Germany. 3:30pm, 335 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**MONSANTO LIFE SCIENCES COMPANY**  
Plant Histology/Cytology. B.S./M.S. degree in a biological science field, along with significant histology/cytology training and experience required.

**MONSANTO'S METABOLIC ENGINEERING PROGRAM**  
Maize Molecular Geneticist & Biologist. A Ph.D. and postdoctoral experience or its equivalent is required.

**UNIVERSITY OF MINNESOTA**  
Faculty Position in Dairy Production/Management Systems. Ph.D. degree in Animal Science or related field required. Closing date: March 31, 2001.

Faculty Position in Dairy Extension Education. Ph.D. degree in Animal Science or related biological field required. Closing date: March 31, 2001.

# Agronomy Gleanings

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January 16, 2001

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## ANNOUNCEMENTS

There are two MAST students from Bulgaria, Simeon Dimitrov and Ivan Ivanol, who are looking for jobs Spring Semester through June, and possibly six months more. If you know of any available positions, they can be reached through MAST at 625-3740.

## SEMINAR

January 17 Southern Research and Outreach Center:  
"Winter Crops Day," Kasson & Rushford.

January 18 USDA-ARS: "Integration of genetic and physical maps for crop improvement,"  
Scott Jackson. 9:00am, 306 Borlaug Hall.

Southern Research and Outreach Center:  
"Winter Crops Day," North Mankato.

January 22 Applied Plant Sciences: "A High Throughput Screen to Identify Cell Wall Mutants of Maize and Arabidopsis,"  
Nicholas C. Carpita, Professor of Developmental Physiology, Department of Botany & Plant Pathology, Purdue University. 3:30pm, 306 Borlaug Hall.

Weeds Discussion Group: "Influence of Field Topography on Spatial and Temporal Weed Population Dynamics,"  
Nick Schneider. 11:30am, 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### PIONEER HI-BRED INTERNATIONAL, INC.

Research and Fleet Intern. Applicants should be pursuing a degree in a field of agriculture or life sciences, preferably Agronomy, Mechanized Agriculture, Agricultural Engineering, Seed Science, Soil and/or Plant Science, or Pest Management.

## PURDUE UNIVERSITY

Assistant/Associate Professor of Agronomy, Turfgrass Science. A Ph.D. degree in Agronomy, Horticulture or related field is required. Closing date: March 1, 2001.

MN  
Ag Soc

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
January 22, 2001

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Call for Proposals—Agricultural Utilization Research Institute (AURI) Pesticide Reduction Options (PRO) program is requesting proposals to fund projects which minimize the use of, and contamination from, pesticides on Minnesota farms. Grants will be funded up to \$40,000. Proposals are due on January 31, 2001. See Jeanne Davy for RFP.

A visiting Dutch female student is looking for a room to rent. She is a non-smoker and will be in Minnesota from March until May. Please contact Ted at 625-7005 with more information.

Congratulations to Paulo Canci for successfully defending his Ph.D. thesis on January 5.

Together We Stand. The third annual "A2K1: Agriculture 2001" conference will be held on April 4, 2001 at the Earle Brown Heritage Center in Brooklyn Center, Minnesota. This year's theme is "Together We Stand" and part of the conference will be devoted to discussing ways that agriculturalists may work together to improve agriculture. The conference is for anyone with an interest in agriculture, but it is specifically aimed at women who are actively involved in all forms of agriculture as a career or who are students with the intent of entering an agriculturally related career. The conference fee is \$40 per person before March 23 and \$50 per person after March 23; and \$15 per student. The fee includes: all sessions, breakfast, lunch and two breaks, a conference networking booklet and an agricultural business/organization directory. Additional conference information will be found on the website at: [www.a2kconference.org](http://www.a2kconference.org) or by calling Doris Mold at 651-645-3275 or email at [moldx001@tc.umn.edu](mailto:moldx001@tc.umn.edu).

President's Sesquicentennial Conference Series will be held February 1, 2001. The title will be *Governing GMOs: Developing Policy in the Face of Scientific & Public Debate*. Space is limited, advanced registration is strongly advised at

[www.conferences.umn.edu/mn/policy/](http://www.conferences.umn.edu/mn/policy/) or by phone at 888-671-6214. The conference will be located at Cowles Auditorium, Hubert H. Humphrey Center. The conference begins at 8:30am and continues through 4:00pm.

The next meeting of Northwest AACC will be held January 29, 2001. The New year begins with a joint meeting with the Food Science Graduate Seminar of the Department of Food Science and Nutrition (FscN) - U of MN. This meeting is organized by the Student Division of the NW Section and is fully sponsored by the Department of FscN. It will begin from 3:00-3:45 with a Seminar by Dr. Gary Costley, chairman and chief executive officer International Multifoods corporation and will be followed by High Tea and Social. Everyone will be welcomed at the seminar, but only those with reservations will be admitted to the tea. Please make your reservation before January 22, 2001, by emailing Jodi Engleson at [engl0037@tc.umn.edu](mailto:engl0037@tc.umn.edu).

Vern Cardwell's mother, Bertha Cardwell, of Statesboro, Georgia, died of cancer on Friday, January 19. She was 87 years old. The funeral is today.

Gary Muehlbauer has been selected for a McKnight Land-Grant Professor award for two years starting July 1, 2001. This is a University-wide award for outstanding new or junior faculty. It provides \$25,000 per year to support research and other scholarly activities. Gary will focus on identifying genes in wheat and barley that respond to Fusarium head blight infection. Our hearty congratulations to Gary.

A Department meeting is scheduled for Friday, January 26, 2:00-4:00pm in 306 Borlaug Hall.

COAFES Scholarship Program Update: The application deadline for current students who wish to apply for a scholarship for the 2001-2002 academic year is March 1, 2001. Students have been sent an e-mail message and a reminder postcard will be sent to them within the next

couple of weeks. As a part of the application process, students are asked for a recommendation from a faculty member. The on-line application form is linked to the Student Services website. The direct URL is <http://www.coafes.umn.edu/si/schol.html#Continuing%20Students>. We appreciate your participation in the Scholarship Program and the time/energy you spend writing recommendations for students. If you have any questions about the Scholarship Program, please feel free to contact Jean Underwood, Director Career Services at 624-3696 or via e-mail at [jmunder@tc.umn.edu](mailto:jmunder@tc.umn.edu).

Plant Molecular Biology Journal Club: On Monday, January 29, at Noon in 408 Hayes Hall, Rachel Mann, a graduate student in Applied Plant Sciences will be facilitating a discussion on the following article: Adams, K.L., Daley, D.O., Qiu, Y.L., Whelan, J., and Palmer, J.D. "Repeated, recent and diverse transfers of a mitochondrial gene to the nucleus in flowering plants." *Nature* 408:354-357, 16 November 2000.

#### SEMINARS

January 23 Plant Biological Sciences Colloquium Series: "Contribution of the lichen symbiosis to the diversification of sacomycetes: A new approach to determining confidence levels for ancestral character states," Francois Lutzoni, Department of Botany, The Field Museum of Natural History, Chicago, IL. 3:30pm, 335 Borlaug Hall.

January 29 Weeds Discussion Group: "Creating a 4'x4' Professional or Education Poster Using Power Point," Krishona Martinson. Noon, 306 Borlaug Hall.

Plant Molecular Genetics Seminar: "Trichomes and Other Important Stuff," David Marks, Department of Biology University of Minnesota. Noon, 239 Gortner Lab.

Applied Plant Sciences Seminar Series: "A High Throughput Screen to Identify Cell Wall Mutants of Maize and Arabidopsis," Nicholas C. Carpita, Professor of Developmental Physiology, Department of Botany & Plant Pathology, Purdue University. 3:30pm, 306 Borlaug Hall.

February 5 Special Seminar: "Genetic and Molecular Dissection of Aluminum Tolerance in Wheat," David Garvin. 9:00am, 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

DELTA RESEARCH AND EXTENSION CENTER  
Assistant Agronomist. A Ph.D. degree in Agronomy/Plant Science or closely related discipline with emphasis on plant breeding and genetics is required.

KANSAS STATE UNIVERSITY  
Graduate Research Assistant, Forage Management/Utilization. B.S. or M.S. degree in Agronomy, Range Science, Biology or related field required.

UNIVERSITY OF FLORIDA  
Molecular Physiologist-Assistant Professor. A Ph.D. in plant physiology, plant biochemistry genetics and/or plant molecular biology or closely related area is required. Closing date: February 16, 2001.

UNIVERSITY OF WISCONSIN EXTENSION  
Agriculture Agent, Green Lake County (Specializing in Dairy Management). Master's degree with at least one degree in a field that relates to the responsibilities of this position such as dairy science, animal science or agriculture education required. Closing date: February 14, 2001.

MUN  
Agric.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

January 29, 2001

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Crop Improvement Recognition-Donald Rasmusson was the recipient of the "Achievement in Crop Improvement Award" presented at the annual meeting of the Minnesota Crop Improvement Association on January 15, 2001. The award was presented by Lon Tonneson, editor of The Farmer magazine.

The President's Sesquicentennial Conference Series will be held February 1, 2001. The title will be *Governing GMOs: Developing Policy in the Face of Scientific & Public Debate*. Space is limited, advanced registration is strongly advised at [www.conferences.umn.edu/mn/policy/](http://www.conferences.umn.edu/mn/policy/) or by phone at 888-671-6214. The conference will be located at Cowles Auditorium, Hubert H. Humphrey Center. The conference begins at 8:30am and continues through 4:00pm.

Philip C. Hamm Memorial Scholarship Program, Scholarship for Undergraduate Students in the Plant Sciences and related disciplines: One scholarship of \$1000 is available to undergraduate students in the plant sciences and related disciplines. To be eligible for nomination the students must be a junior or senior and have an outstanding undergraduate scholastic record. Applications must be received in the college office by February 16, 2001. There are also two nonrenewable scholarships of \$1500 each for students who have completed at least one academic year of Graduate School, nominations due March 1, 2001. Questions related to these awards may be directed to Mark Ascernor at [mascerno@tc.umn.edu](mailto:mascerno@tc.umn.edu) or 625-3278.

Could you use a free U of M sweatshirt? We are looking for CBS or COAFES students who can firmly commit to attending an event from 3:00 to 4:30pm on Wednesday, February 7. The event is the groundbreaking ceremony for the Microbial and Plant Genomics building and the grand opening of "Biodale," the research service support facility in Snyder Hall and Gortner Labs on the St. Paul

campus. Student volunteers would simply greet guests and direct them into rooms along a single hallway. In addition, students would be asked to attend a brief meeting the week of January 29<sup>th</sup>. A U of M sweatshirt to be worn during the event will be provided to each student volunteer on February 7<sup>th</sup>. To sign up or for questions, contact Julie Ulrich by email at [julrich@cbs.umn.edu](mailto:julrich@cbs.umn.edu) or by phone at 624-4770.

Attention Biomedical Graphics Customers: Over the past five years, BMG's business has declined significantly. With advancements in computer technology, many customers are now able to do the work themselves. Therefore, Biomedical Graphics will be closing. They will continue to accept orders that can be completed by March 23. If you have concerns about the availability of services elsewhere there are several photographers in the Medical School's clinical departments. For further information about location photography, you can contact Nancy Johnson at 626-6180 or 625-3001. Some graphic services, including posters and slides, are available through the Medical School's Biomedical Imaging & Processing Lab (BIPL) at 624-7938 or University Printing Services at 625-8064.

## SEMINARS

January 29 Applied Plant Sciences: "Cowpea Genotypes: Seedling Emergence and Growth as Influenced by Matricconditioning and Soil Moisture," Raymond Thomas, Graduate Student in Department of Horticultural Science. 3:30pm, 306 Borlaug Hall.

January 30 Plant Biological Sciences Colloquium: "Rice tungro bacillitorm virus: two badnaviruses with very different life styles," Dr. Roger Hull, John Innes Centre Norwich, England. 3:30pm, 335 Borlaug Hall.

Entomology: "Assessing the Establishment of *Aphthona Flea Beetles Released to Control Leafy Spurge, *Euphorbia esula**, in Minnesota



(Research Proposal),” Luke Skinner,  
Department of Entomology University  
of Minnesota. 3:00pm, 310 Alderman  
Hall.

February 5 Special Seminar: “Genetic and  
Molecular Dissection of Aluminum  
Tolerance in Wheat,” David Garvin.  
9:00am, 306 Borlaug Hall.

Weeds Discussion Group: “Weed  
Control in Pesticide Free Sweet Corn,”  
Dr. Frank Forcella. Noon, 306 Borlaug  
Hall.

Applied Plant Sciences: “TBA,” Meagan  
Wyckoff, APA Graduate Student.  
3:30pm, 306 Borlaug Hall.

**POSITION ANNOUNCEMENTS**  
(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MINNESOTA**

Graduate Research Assistant, Minnesota Center for  
Survey Research. Qualifications: U of MN registered  
graduate student for the duration of the appointment.  
Special consideration will be given to applicants in the  
social sciences and to those with training or experience in  
survey methodology. Closing date: February 2, 2001.

**UNIVERSITY OF TENNESSEE**

Research Associate/Senior Research Assistant,  
Department to Plant and Soil Sciences, Soil Chemistry  
Lab. M.S. or B.S. degree in the field of Agronomy or  
Plant and Soil Sciences required. Closing date: February  
15, 2001.

**UNIVERSITY OF WISCONSIN EXTENSION**

Commercial Horticulture Educator (75%) Dane County.  
Bachelor's degree in a field that relates to horticulture  
required. Closing date: February 12, 2001.

MIN  
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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

February 5, 2001

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

The global campus is offering a program for Language and Culture in Mexico. The highlight of this program is that students are able to finish one Spanish course, choosing from SPAN 1001-1004, in three weeks during either May Term or Summer Session. There are four terms available, therefore, the two year Spanish requirement could be finished by combining the May Term with all three Summer Sessions. Due to the limited number of beginning Spanish courses being offered at the U of M, this may be a good option for some of our students. For more information please contact the Global Campus at 626-9000.

The Applied Plant Sciences Seminar schedule has been rearranged and there is no seminar for Monday, February 5.

Crop Improvement Recognition—Robert Peterson was the recipient of the Honorary Preview Seedsman Award at the annual meeting of the Minnesota Crop Improvement Association on January 15, 2001.

Attention Biomedical Graphics Customers: Over the past five years, BMG's business has declined significantly. With advancements in computer technology, many customers are now able to do the work themselves. Therefore, Biomedical Graphics will be closing. They will continue to accept orders that can be completed by March 23. If you have concerns about the availability of services elsewhere there are several photographers in the Medical School's clinical departments. For further information about location photography, you can contact Nancy Johnson at 626-6180 or 625-3001. Some graphic services, including posters and slides, are available through the Medical School's Biomedical Imaging & Processing Lab (BIPL) at 624-7938 or University Printing Services at 625-8064. *\*If anyone needs a portrait taken, please make arrangements before March 23.\**

Last Info Session for NSF ScienceWorks! There will be an informal information session about how scientists can

participate in ScienceWorks!, an NSF-funded systemic science reform project in the Minneapolis Public Schools. The information session will be Tuesday, February 20, 3:00-5:00pm, 818 BioSci, St. Paul Campus.

## SEMINARS

February 5 Department of Plant Pathology and the Plant Molecular Genetics Institute: "Transgenic Plants and Tropical Agriculture," Roger Hull, John Innes Centre Norwich, UK. 3:00pm, 365 Borlaug Hall.

February 6 Entomology: "Neuromodulatory effect of octopamine in the olfactory system of the honeybee *Apis mellifera* L.," Rocco Ross, Department of Entomology University of Nebraska. 3:00pm, 310 Alderman Hall.

February 8 Plant Biology, Candidate for the Plant Developmental Biology and Genomics Positions: "Molecular characterization of Iron Deficiency Responses in Arabidopsis," Dr. Elizabeth Rogers, Department of Biological Sciences Dartmouth College, Hanover, NH. 3:30pm, 33 McNeal Hall.

February 9 Sigma Xi: University of Minnesota Chapter Y2001 Lecture Series: "Distinguishing El Nino from El Nonsense," Professor Mark Seeley, Department of Soil, Water & Climate. Noon, Theater, St. Paul Student Center.

February 12 Applied Plant Sciences: "TBA," Karin Kettenring, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

Plant Molecular Genetics Institute: Pete Lefebvre. Noon, 239 Gortner Lab.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY

Assistant or Associate professor, Nutrient Management.

Ph.D. in agronomy, soil science, or closely related area required. Closing date: May 1, 2001.

**KANSAS STATE UNIVERSITY**

Research Assistant (Temporary) in Agronomy. Range Management/Grazing Systems. B.S. or M.S. in agronomy, range science, animal science, ecology, or related field required. Closing date: March 15, 2001.

**KANSAS STATE UNIVERSITY**

Research Associate—biotechnology/transformation. Ph.D. in genetics, biotechnology, biology, agronomy or related area required. Closing date: February 15, 2001.

**MONSANTO**

Crop Physiologist, Genomics sector. Ph.D. or M.S. in a n appropriate scientific discipline required.

**NORTH CAROLINA STATE UNIVERSITY**

Extension Associate in Integrated Pest Management. Ph.D. in Entomology, Plant Pathology, Weed Science, or Integrated Pest Management required. Closing date: February 28, 2001.

**UNIVERSITY OF MISSOURI OUTREACH & EXTENSION**

Agronomy Specialist. Earned Masters degree in agronomy and/or soil science required. Closing date: February 15, 2001.

**UNIVERSITY OF MISSOURI OUTREACH & EXTENSION**

Horticulture Specialist. Earned masters degree in horticulture required. Closing date: February 15, 2001.

**UNIVERSITY OF MISSOURI-COLUMBIA**

Crop Physiologist, Assistant Professor. Possession of a doctorate by the time employment begins in Agronomy, Crop Science, Plant Physiology or closely related field required.

MIR  
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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
February 12, 2001

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## ANNOUNCEMENTS

Notice to All Agronomy Projects—It's that time of year to start thinking about your project's chemical and fertilizer needs, the amount of St. Paul field space required this year, and any other special requests that need to be considered before spring. Please e-mail Mike McClellan at [mccle004@umn.edu](mailto:mccle004@umn.edu) or send a written request to by March 1. Call 624-5395 with any questions.

Daily Laptop Rental: Students, faculty and staff can rent a laptop from 8:00am until 5:00pm, Monday through Friday. Students pay \$3.50 and faculty and staff pay \$5.00 for the daily rental. There are no overnight rentals and rentals must be turned in by 5:00pm. A Rental Service Center is located on the West Bank in Blegen Hall, room 93. In the future, East Bank and St. Paul locations will be added. The Service Center phone number is 612-625-2975 and the Laptop Rental Center Web site is: <http://lighthouse.micro.umn.edu/laptoprental>.

A new database for tracking all pesticides going into and out of the Agricultural Pesticide Facility has been created. Come learn how to use this Web-based system. Access is being given only to those using the facility but training is a must! If you need access and can't attend, contact Tom Warnke at 5-1228. Training will be done by Brad Kinkaid, Tom Warnke, and others who developed this tool!

The College of Agricultural, Food, and Environmental Sciences (COAFES) Admissions and the Agricultural Ambassadors will be hosting several events on campus this spring for prospective students. The Agricultural Ambassadors will host a student-shadowing day on Monday, February 19. This spring we will have 5 junior preview days to highlight our various majors. If you know of any student interest in learning more about the college or visiting campus, please have them contact Stacie Dosdall at 624-4748 or [dosda001@tc.umn.edu](mailto:dosda001@tc.umn.edu), or Jessica Krueger at 625-9254 or [krueg051@tc.umn.edu](mailto:krueg051@tc.umn.edu).

## SEMINARS

February 13 Entomology: "Entomology and Education - New Opportunities in Distance and Resident Instruction," Leon Higley, Department of Entomology University of Nebraska. 3:00pm, 310 Alderman Hall.

Plant Biology: "Genetic control of seed dispersal and organ shedding in Arabidopsis," Dr. Sarah Liljegren, The Salk Institute for Biological Sciences, La Jolla, CA. 3:30pm, 335 Borlaug Hall.

February 14 WUSA: "Centro Campesino: organizing migrant farmworkers in southern Minnesota," Victor Contreras, Jaime Duran, Kathryn Gilje, Centro Campesino. Noon, 306 Borlaug Hall.

Agricultural Pesticide Facility Database Training: 1:50-3:20pm, 335 Borlaug Hall.

February 15 Biological Process Technology Institute: "Biocatalysis as a Discovery Tool for New Compounds and New Processes," Jonathan Dordick, Ph.D. Howard P. Isermann Professor and Chair, Rensselaer Polytechnic Institute. 3:30pm, D230 Mayo, Eustis Amphitheater, Minneapolis Campus.

February 19 Applied Plant Sciences: "Management decisions utilizing glyphosate tolerant crops," Nick Schneider, APS Graduate Student.

Food Science Graduate Seminar: "Barriers to doing an investigative story," Jill Burcum, Star Tribune. 3:00pm, 23 FscN.

## **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

### **COLORADO STATE UNIVERSITY**

Assistant/Associate Professor in Soil Microbiology. A Ph.D. in soil science, or a closely related discipline is required. Closing date: March 30, 2001.

### **MICHIGAN STATE UNIVERSITY**

Assistant Professor, Turfgrass Physiology. Ph.D. in plant physiology, plant biochemistry, genetics, or closely related field required. Closing date: April 15, 2001.

### **UNIVERSITY OF GUELPH**

Assistant Professor-Tree Fruit Breeding. A Ph.D. is required. Closing date: April 30, 2001.

### **UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN**

Research Specialist in Agriculture (Crop Genotyping). B.S. or M.S. in a biological or related science required. Closing date: March 19, 2001.

### **UNIVERSITY OF WISCONSIN EXTENSION**

Agriculture Agent, Rusk County. Master's degree with at least one degree in a field that relates to the responsibilities of this position such as animal science, plant science or agriculture required. Closing date: March 14, 2001.

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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
February 20, 2001

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## ANNOUNCEMENTS

The department meeting scheduled for Friday, February 23 is CANCELED.

### SEMINARS

February 20 Plant Biology: "A system to explore programmed cell death in plant-pathogen interactions," Dr. Julie Stone, Department of Molecular Biology Massachusetts General Hospital. Candidate for the Plant Developmental Biology And Genomics Positions. 3:30pm, 335 Borlaug Hall.

Entomology: "Monarch butterfly larvae and corn fields: Assessing ecological risks of Bt corn," Karen Oberhauser, Dept. EEB University of Minnesota. 3:00pm, 310 Alderman Hall.

February 21 Agronomy and Plant Genetics: "Weeds of Cropping Systems in Southern Australia: Issues and Research Agenda," Dr. Clare Murphy, NSW Agriculture Wagga Wagga NSW Australia. 1:30pm, 306 Borlaug Hall. Discussion 2:30-3:00pm, 306 Borlaug Hall.

WUSA: "Food system issues affecting cooperatives," Maury Miller, Cenex Harvest States. Noon, 306 Borlaug Hall.

February 22 Dr. Clare Murphy Discussion with Graduate Students. 9:00am, 408 Hayes Hall. Weed Ecology Discussion with Faculty, Students, and Staff, 1:30pm, 408 Hayes Hall.

Biological Process Technology Institute: "The Architecture of Complexity: From the Diameter of the wvw to the Metabolic Network of the Cell," Albert-Laszlo Barabasi, Ph.D., Emil T. Hofman Professor Physics University of Notre Dame. 3:30pm, B75 Amundson

Hall-Chemical Engineering, Minneapolis Campus.

Plant Biology: "Hybrid Fitness in the Louisiana Irises," Dr. John Burke, Department of Biology Indiana University. Candidate for the Evolutionary Biology Positions. 3:30pm, 33 McNeal Hall.

February 23 Chalk Talk with Dr. John Burke. 9:30am, 239 Gortner Lab.

February 26 Food Science Graduate Seminar: "Kinetics studies of B-lactoglobulin denaturation," Frank Jaskulka, Ph.D. Candidate. 3:00pm, 23 FscN.

Weeds Discussion Group: "Rye as a Cover Crop," Dr. Paul Porter. Noon, 306 Borlaug Hall.

Plant Molecular Genetics Institute: Burle Gengenbach. Noon, 239 Gortner Lab.

Applied Plant Sciences: "Management decisions utilizing glyphosate tolerant crops," Nick Schneider, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

### POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

COLORADO STATE UNIVERSITY  
Research Associate. B.S. in Range, Soil, Plant, Crop, or Animal Science required. Closing date: March 9, 2001.

NORTH DAKOTA STATE UNIVERSITY  
Graduate Research Assistantship. Closing date: March 30, 2001.

**NORTH CAROLINA STATE UNIVERSITY**

Extension Associate—Environmental Education. Masters degree in education, natural resources, environmental sciences, or agricultural sciences. Closing date: March 15, 2001.

**SYNGENTA SEEDS, INC**

Research Associate. B.S. degree in Genetics, Plant Molecular Biology, or related discipline required.

**UNIVERSITY OF ARKANSAS**

Assistant/Associate Professor—Soybean Breeding and Genetics. A Ph.D. in plant breeding and genetics is required. Closing date: April 1, 2001.

**UNIVERSITY OF ARKANSAS**

Assistant/Associate Professor—Environmental, Soil, and Water Science. A Ph.D. in environmental, soil, or water science or other related discipline required. Closing date: April 1, 2001.

**UNIVERSITY OF NEBRASKA**

Temporary two-year research technologist position. B.S. or equivalent and direct experience in Horticulture-related practices required. Closing date: February 15, 2001.

**USDA**

Research Geneticist (Plants). Basic Requirement: Degree: genetics. Closing date: March 16, 2001.



## AGRONOMY CLEANINGS

FEBRUARY 26, 2001

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773;  
FAX (612) 625-1268;

Email:  
agro@coafes.umn.edu

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

### Announcements

Call for proposals from American Seed Research Foundation, Washington, D.C. Due date April 5, 2001.

### Seminars

Tuesday, February 27

*Entomology*: "TBA," Ken Ostlie, Professor, Department of Entomology University of Minnesota. 3:00 pm, 310 Alderman Hall.

*Plant Biology*: "Comparative and evolutionary genomics: Arabidopsis and beyond," Dr. Todd Vision, USDA-ARS Center for Ag Bioinformatics Cornell University. 3:30 pm, 335 Borlaug Hall.

*Special Seminar: College of Agricultural, Food, and Environmental Sciences and The Minnesota Food Association*: "Niche Market Research and Marketing," John Cancelarich and Bill Clapham. 12:30 pm, 306 Borlaug Hall.

*Soil, Water, & Climate*: "Forages in cropping systems of southern Australia," Dr. Bill Bellotti, Senior Lecturer Department of Agronomy and Farming Systems Adelaide University, Roseworthy, South Australia. 8:30 am, 375 Borlaug Hall.

Wednesday, February 28

*Chalk Talk with Dr. Todd Vision*. 1:15 pm, 239 Gortner Lab.

*WUSA*: "The craft of academic work in partnership," Craig Hassel, Department of Food Science and Nutrition. Noon, 306 Borlaug Hall.

Thursday, March 1

*Plant Biology*: "Polar growth of root hairs and the interaction with symbiotic bacteria," Dr. Sidney L. Shaw, Department of Biology Stanford University, CA. 3:30 pm, 33 McNeal Hall.

Monday, March 5

*Food Science Graduate Seminar*: "Inhibition of Escherichia coli O157:H7 by recently isolated E. coli strains," Frank Jaskulka, Ph.D. Candidate. 3:00 pm, 23 FScN.

*Weeds Discussion Group*: "Native Perennial Legumes-Possibilities for Minnesota Agriculture," Eric Ristau. Noon, 306 Borlaug Hall.

*Applied Plant Sciences*: "TBA," Eliza Anderson, APS Graduate Student. 3:30 pm, 306 Borlaug Hall.

AM  
9-19-01



## **Position Announcements**

### **MONTANA STATE UNIVERSITY**

Research Associate in Entomology. M.S. degree in Entomology/Plant Sciences or related field with strong chemistry or biochemistry background required. Closing date: March 3, 2001.

### **UNIVERSITY OF MINNESOTA**

Communications Media Manager. Bachelor's Degree and a minimum of 3 years of related communications media experience. Closing date: February 28, 2001.

### **UNIVERSITY OF SASKATCHEWAN**

NSERC UFA for Chair in Environmentally Sustainable Agriculture. Closing date May 1, 2001.



## AGRONOMY CLEANINGS

MARCH 5, 2001

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773;  
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agro@coafes.umn.edu

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

### Announcements

**New Journal:** The Crop Science Society of America and the American Society of Agronomy recently began co-operating with several other organizations in publication of a new electronic-only journal, *Plant Health Progress*. Please consider publishing some of your work with *Plant Health Progress*. The journal is peer reviewed and publishes reviews, research articles, management information, diagnostic guides, and short 700-word reports called "briefs." Articles may focus on any applied aspect of plant health including abiotic disorders, diseases, insects, nematodes, weeds, management strategies, integrated pest management, and regulatory issues. Many of the articles previously published in the *Journal of Production Agriculture* would be appropriate for *Plant Health Progress*. Papers dealing with abiotic stresses related to moisture, soil nutrients, and temperature would be particularly

appropriate. *Plant Health Progress* and its submission guidelines are located online at: <http://www.planthealthprogress.org>. Contacts: Ken Moore—[kjmoore@iastate.edu](mailto:kjmoore@iastate.edu) PHP Senior Editor for Agronomy Miles Wimer—[mwimer@planthealthprogress.org](mailto:mwimer@planthealthprogress.org) PHP Director of Internet Publishing .

**Hayes Graduate Student Award and Memorial Lecture**  
Congratulations to Lee DeHaan who will be the 27th recipient of the H.K. Hayes Graduate Student Award. The award will be presented at the Hayes Memorial Lecture April 18, 7:30 pm, at the Earle Brown Center. Governor Pillsbury (age > 150 years) will come back to tell us about the University and Minnesota agriculture. Please mark your calendars—and invite your spouse or significant other to this very special (and entertaining) event.

### Seminars

#### Tuesday, March 6

**Plant Biology,** Candidate for the Plant Developmental Biology and Genomics Position: "Regulation of auxin response in *Arabidopsis* by the ubiquitin protein degradation pathway," Dr. Bill Gray, Institute for Cellular and Molecular Biology University of Texas. 3:30 pm, 335 Borlaug Hall.

**Entomology:** "Invasive plants in natural areas: Can biocontrol using insects be a safe option?" Bernd Blossey, Asst Prof and Director Biological Control of Non-Indigenous Plant Species Program. 3:00 pm, 310 Alderman Hall.

#### Wednesday, March 7

**Sigma Xi: University of Minnesota Chapter—Y2001 Lec-**

ture Series: "Biotechnology, Genomics and Agriculture," Dean Charles Muscoplat. Noon, Theater, St. Paul Student Center.

WUSA: "Reinventing agriculture: woody perennials for mainstream food production," Philip Rutter, Badgersett Research Farm. Noon, 375 Borlaug Hall.

#### Thursday, March 8

**Biological Process Technology Institute:** "characterization and analysis of the PikD Regulatory Factor in the Pikromycin biosynthetic Pathway of *Streptomyces Venezuelae*," Daniel Wilson, Graduate Student University of Minnesota. 3:30 pm, D230 Mayo, Eustis Amphitheater, Mpls Campus.

AMW  
9-13-00

## Seminars

*Plant Biology*—Candidate for the Evolutionary Biology Positions: "Origins and diversity of the Andean tuber crop *Oxalis tuberosa*, and octoploid domesticate," Dr. Eve Emshwiller, Botany Department The Field Museum-Chicago. 3:30 pm, 33 McNeal Hall.

### Friday, March 9

*Chalk Talk* with Dr. Eve Emshwiller. 9:30 am, 239 Gortner Lab.

### Monday, March 12

*Weeds Discussion Group*: "Alfalfa Responses to Summer Applications," Dr. JoAnn Lamb. Noon, 306 Borlaug Hall.

*Applied Plant Sciences*: "TBA," Karina Zambreno, APS Graduate Student. 3:30 pm, 306 Borlaug Hall.

*Plant Molecular Genetics Institute*: "Anatomy of a Transport Pore: The Agrobacterium T-DNA Transfer Apparatus," Anath Das. Noon, 239 Gortner Lab.

*Food Science Graduate Seminar*: Selection of Aroma Compounds that Contribute the Most to the Cheddar Cheese Aroma," Nese Yurttas, Ph.D. Candidate. 3:00 pm, 23 FScN.

## Position Announcements

### AGRACETUS CAMPUS OF MONSANTO COMPANY

Trait Development Field Research Manager. M.S./Ph.D. in agronomy, plant breeding, or plant/biology related discipline required. Closing date: April 30, 2001.

### R.D. OFFUTT COMPANT

Full-time agronomist. A B.S. degree in Agronomy, Soils, or Horticulture with some computer knowledge is required.

### UNIVERSITY OF VERMONT

Assistantship for a Master's of Science in Forage Crop Management and Utilization. B.S. degree in Agronomy, Range Science, Animal Science, Biology, Botany, or related field required.

### UNIVERSITY OF MISSOURI-COLUMBIA

Cropping Systems Specialist. Ph.D. in Agronomy or Crop Science required. Closing date: April 15, 2001.

### WEST CENTRAL RESEARCH & OUTREACH CENTER

Sustainable Livestock Systems Student Intern. Student must be enrolled in a credited internship program with their attending school. Closing date: March 15, 2001.

MIW  
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## AGRONOMY CLEANINGS

MARCH 12, 2001

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773;  
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## Announcements

Five Great Minds, One Afternoon. Please consider involving your class in this event or incorporating it into your assignments. CLOSE ENCOUNTERS OF HUMAN-KIND; Conversations about our Environment, Evolution and Experience will take place on Wednesday, April 11, 2001 from 1:00-5:30 pm at Northrop Auditorium, Minneapolis Campus. This event is free and includes Jared Diamond, Iven DeVore, Steven Feiermen, Chief Arvol Looking Horse, and Juan Williams.

Packard Fellowships for Science and Engineering 2001. Internal deadline: Monday, April 9, 2001. NOTE RESTRICTED TIMELINE. Detailed programmatic guidelines are available at <http://www.packfound.org>.

The response to our first "Eyeglass Drive" has been phenomenal. The collection box is still outside the door of room 454 Borlaug Hall. Your continued support is greatly appreciated.

Retirement Wine and Cheese Party for Dr. Kurt Leonard, Professor and Director of the USDA Cereal Disease Laboratory. Monday, March 19, 2001 from 3:00-4:30 pm, Borlaug Hall 3rd Floor Foyer. Please join us in thanking Dr. Leonard for his years of service to the Department of Plant

Pathology and the Cereal Disease Laboratory. Donations for a retirement gift will be collected by Ann Arndt, 495 Borlaug Hall.

There are several bright, hardworking students who are looking for summer employment. Their interests are diverse and include outdoor/field, lab, office and computer work. If you are interested in recruiting from this pool please contact Dave Somers at [somers@biosci.cbs.umn.edu](mailto:somers@biosci.cbs.umn.edu).

Call for Applications to the Bioethics Institute 2001 at Iowa State University, May 29-June 2, 2001. Successful applicants receive awards to cover expenses. Deadline: March 15, 2001. The North Central Region (NCR) SARE program of the USDA has allocated about \$350,000 for the 2001 Producer Grant Program. Competitive grants of up to \$5,000 are available for individual farmers and ranchers and grants up to \$15,000 are available for groups (three or more independent and separate operations) of farmers and ranchers interested in exploring sustainable agriculture. Deadline is March 30, 2001.

Farewell Coffee for Cristine Handel will be held Friday, March 16 at 3:00 pm in 306 Borlaug Hall.

## Seminars

### Tuesday, March 13

Entomology: "Site specific management of the green peach aphid," Matthew Carroll, Department of Entomology University of Minnesota. 3:00 pm, 310 Alderman Hall.

Plant Biology: Candidate for the Plant Developmental Biology and Genomics Positions "Mutations preventing paramutation also disrupt transgene silencing!" Dr. Jane E. Dorwiler, Department of Plant Sciences University of Arizona. 3:30 pm, 335 Borlaug Hall.

## Seminars

*WRS 8100 Seminar Series:* "Groundwater, Lakes, and Climate," Jim Almendinger, Associate Scientist at St. Croix Watershed research station, Science Museum of Minnesota. 9:00 am, 311 Vincent Hall.

### Wednesday, March 14

*WUSA:* "Initiatives in forest owner cooperation and sustainable forestry cooperatives," Katie Fernholz, Community Forestry Resource Center, Institute for Agriculture and Trade Policy. Noon, 306 Boraug Hall.

*Water Resources Science Program:* "The most objective comprehensive assessment of transboundary water issues, and their societal root causes, conducted so far," Dag Daler, GIWA Project Manger, University of Kalmar, Sweden. 3:00 pm, MN Commons Room, St. Paul Student Center.

*Biological Process Technology Institute:* "Rhizobium O-antigen Structure is Crucial for the Infection of Legume Hosts," Dale Noel, Ph.D. Department of Biology, Marquette University. 3:30 pm, 239 Gortner Labs.

### Thursday, March 15

*Candidate for Plant Evolutionary Biology Position:* "Evolution of plant defense to herbivores and pathogens: Insight from organismal and molecular approaches," Dr.

Peter Tiffin, Department of Ecology & Evolutionary Biology, University of California/Irvine. 3:30 pm, 33 McNeal Hall.

### Friday, March 16

*Chalk Talk* with Dr. Peter Tiffin. 9:30 am, 239 Gortner Labs.

### Monday, March 19

*Weeds Discussion Group:* "Quackgrass Diversity Project: Progress Report," Kelley Belina. Noon, 306 Boraug Hall.

*Applied Plant Sciences:* "TBA," Kari-Lynne McGowan, APS Graduate Student. 3:30 pm, 306 Boraug Hall.

*Food Science Graduate Seminar:* "Exploring the Use of Palm Tocotrienols as Antioxidants in Meat Systems," Hassan Yurttas, Ph.D. Candidate. 3:00 pm, 23 FScN.

*Food Science Graduate Seminar:* "A Preliminary Tissue Assay to determine the toxicity of a Gram-negative inhibitor produced by *Bacillus subtilis* CS93," Jessica Streich, M.S. Candidate. 3:00 pm, 23 FScN.

## Position Announcements

### PIONEER HI-BRED INTERNATIONAL

Senior Research Associate. Ph.D. or M.S. degree in Plant Breeding, Plant Physiology, Plant Genetics, or related field required.

### SYNGENTA SEEDS, INC

Research Technician. B.S. in Agronomy or direct equivalent work required.

Associate Scientist, Maize Genetic Development. M.S. degree in a scientific discipline, typically plant breeding.

### UNIVERSITY OF CALIFORNIA

Weed Ecology/Cropping Systems Farm Advisor. A Master's degree in a biological, agricultural, plant science, or related field required. Closing date: April 2, 2001.

Allen  
9/29/00



## AGRONOMY CLEANINGS

MARCH 19, 2001

Department of Agronomy and Plant Genetics, University of Minnesota  
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### Announcements

#### Hayes Graduate Student Award and Memorial Lecture

Congratulations to Lee DeHaan who will be the 28th recipient of the H.K. Hayes Graduate Student Award. The award will be presented at the Hayes Memorial Lecture April 18, 7:30 pm, at the Earle Brown Center. Governor Pillsbury (age > 150 years) will return to remind us about the rich history of the University of Minnesota, the Department of Agronomy and Plant Genetics, and Minnesota agriculture. Please feel free to bring a guest and join us for this entertaining evening!

To reduce the amount of undeliverable mail and prevent delivery delays, the office staff will provide a drop box in the mail room for you to put mail that needs address correction/cancellation and we will take care of it for you. The Postal Service web site at [www.usps.gov](http://www.usps.gov) offers helpful addressing information.

NOTE DATE CHANGE—The Civil Service Award Ceremony and Reception has been changed to Tuesday, March 27 at 3:00 pm in 306 Borlaug Hall. Longevity Recognition Awards will be presented in conjunction with the Civil Service Excellence Award. Everyone in the department is invited to attend.

The Applied Plant Sciences Graduate Club would like to invite you to join in our annual Soup Lunch Charity to raise money for the Second Harvest St. Paul Food Bank. It will be held Thursday, April 5th at 12:00-1:00 pm in 306 Borlaug Hall. Cost is \$4.00 or \$1.00 if you bring a soup.

### Seminars

#### Tuesday, March 20

*WRS 8100 Seminar Series:* "Water Quality Issues in Northeast Minnesota," Jesse Anderson, Monitoring Data Coordinator, MPCA-Duluth.

*Entomology:* "Molecular systematics of nymphalid butterflies," Andy Bower, Department of Entomology, Oregon State University. 3:00 pm, 310 Alderman Hall.

*COAFES Health & Safety Training Session:* "On the Job Injury—An Overview of Worker's Compensation," Marty Von Drasek, AON/Risk Management. 1:00-2:30 pm, 306 Borlaug Hall.

*Plant Biology Candidate for the Evolutionary Biology Positions:* "From ecology to developmental genetics: genes underlying adaptive responses to heterogeneous environments," Dr. Cynthia Weinig, Department of Ecology & Evolutionary Biology Brown University, R.I. 3:30 pm, 335 Borlaug Hall.

#### Wednesday, March 21

Chalk Talk with Dr. Cynthia Weinig. 1:15 pm, 239 Gortner Lab.

*WUSA:* "TBA," Caroline Van Schaik, Sand Creek Watershed Project; Land Stewardship Project. Noon, 306 Borlaug Hall.

## Seminars

### Thursday, March 22

*Biological Process Technology Institute:* "The Molecular Evolution of Catalase; Facts, Conclusions and Speculations," Martin Klotz, Ph.D. Department of Biology and Center for Genetics and Molecular Medicine University of Louisville. 3:30 pm, 239 Gortner Labs.

*Plant Biology Candidate for the Evolutionary Biology Positions:* "QTL mapping in Arabidopsis: exploring the genetic basis of morphological integration and phenotypic plasticity in the model plant," Dr. Thomas Juenger, Department of Integrative Biology University of California Berkeley. 3:30 pm, 33 McNeal Hall.

### Friday, March 23

Chalk Talk with Dr. Thomas Juenger. 9:30 am, 239 Gortner Lab.

### Monday, March 26

*Plant Molecular Genetics Seminar:* "Development of New Genetic Resources for Auxin Biology," Dr. Jerry Cohen, Department of Horticulture University of Minnesota. Noon, 239 Gortner Lab.

## Position Announcements

### CALIFORNIA STATE POLYTECHNIC UNIVERSITY

Assistant or Associate Professor in Turfgrass Science. Ph.D. in agronomy, horticulture, soil science or closely related discipline required. Closing date: May 1, 2001.

### EVANGELICAL LUTHERAN CHURCH IN AMERICA

Biologist with emphasis on developmental/cell biology at Luther College. Ph.D. required. Closing date: May 1, 2001.

Biologist with emphasis on genetics at Luther College. Ph.D. required. Closing date: April 15, 2001.



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gigsta

# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
March 26, 2001

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## ANNOUNCEMENTS

Floating Holiday, Friday, March 30th. University offices closed.

Birth Announcement--Jane and Joe Jewett are the proud parents of Sigrid Katherine born at 5:55 p.m., Thurs., March 22. She weighed 8 lbs., 9.6 ounces, and was 22 inches long. It looks like she will have blonde curls and blue eyes, just like her big sister Selket.

The Civil Service Excellence Award and Longevity Recognition Awards ceremony will be held on Tuesday, March 27, 3:00 p.m., 306 Borlaug Hall. This reception is open to all members of the Department. Cake and punch will be served.

Farewell Coffee for Bob Ezumah, Wednesday, March 28, 3:00 p.m., 408 Hayes Hall.

Condolences--Helen Elling, wife of Laddie, died March 19 and Helen's daughter, Donna, died March 20. Visitations were in Roseville and Roseau and the funeral service and interment were March 24 in Roseau.

Kay Welsch has been diagnosed with breast cancer. Luckily the cancer was detected early enough that it can be treated with a high chance of eradication. Kay is scheduled for surgery on April 3 at North Memorial Hospital. If you would like to talk to Kay or Delane and give them your support, please feel free to call them at 763-784-2133.

Dr. Teresa Gruber has been named executive vice president of CAST, effective April 1, 2001. Dr. Richard E. Stuckey, executive vice president since 1992, will retire at the end of June. Teresa was a graduate student in the department--M.S., oat project with Deon Stuthman and Ph.D., corn project with Jon Gadelmann.

Shape-Up Challenge begins April 2 to May 13. The Kick-Off Coffee is Mon., April 2 at 9:00 a.m. in 306 Borlaug Hall. Sign up in 411 Borlaug Hall, at the kick-off or by e-mailing Kathleen Storey ([store@umn.edu](mailto:store@umn.edu)) or Jeff Roessler ([roess001@umn.edu](mailto:roess001@umn.edu)) before April 2. Teams will be assigned this year.

Plant Sale--Plant Biology Phytograds along with Biological Sciences Greenhouse will be hosting a spring plant sale Wed., April 4 and Thurs., April 5, 9:00 a.m.-4:00 p.m., upper level Student Center.

"A2K1: Agriculture 2001," 3<sup>rd</sup> Annual Women's Agricultural Leadership Conference will be held on April 4, 7:45 a.m. registration (opening session 8:30 a.m.) to 4:00 p.m. at the Earle Brown Heritage Center in Brooklyn Center, Minn. This year's theme is "Together We Stand." Fee is \$50 per person after March 23; \$15 per student. Additional information at: [www.a2kconference.org](http://www.a2kconference.org).

Northrup King Development Committee brown bag series, 'Enhanced Professional Communication and Teaching' to be held Thursdays, April 19, April 26 and May 3, 12:00-1:00 p.m., 306 Borlaug Hall. For more information, contact [grossman@soils.umn.edu](mailto:grossman@soils.umn.edu) or [alexa032@umn.edu](mailto:alexa032@umn.edu).



"Vision for UMORE Park," a public presentation by the candidates for the position of Executive Director, Univ. of Minnesota Outreach, Research and Education Park (UMORE Park), Rosemount, Minn. Morris J. Anderson, April 12, 3:00-4:30 p.m., MN Commons Room, and Kathryn R. Roberts, April 13, 2:00-3:30 p.m., MN Commons. No reservations required.

Take Our Daughter's to Work Day is being held on Thurs., April 26, 2001.

2001 St. Paul Campus Retirement Lunch is being planned for May 22, North Star Ballroom, St. Paul Student Center.

Our supply of Interdepartmental Envelopes is low. If you have a large supply in your office, please return some to 411 Borlaug Hall. Thanks.

COAFES Civil Service/ Bargaining Unit (CSBU) Staff Award recognizes contributions of two members of the CSBU staff: one for academic related duties and the other for scientific work; \$1200 [less taxes] and certificate. May 1, 2001 deadline to COAFES, c/o Jean Burdick, 277 Coffey Hall. For nomination procedure see web site [www.coafes.umn.edu/hr/award/civil\\_service.html](http://www.coafes.umn.edu/hr/award/civil_service.html).

Request for U MN graduate students to assist with driving routes for the spring Waterfowl Production Areas study in Western Minnesota. Drivers are paid a ~\$60/day stipend plus per-diem (meals and hotel) while in the field. Routes take approximately 6 hours/day to drive. Vehicles provided. Dates: April 21, 22 and April 25, 26. Please contact Samantha Hayes at 612-624-1224 or [hay014@umn.edu](mailto:hay014@umn.edu) by April 2 if you are interested.

St. Paul Campus Forum on Proposed Changes in Purchasing Health Care Benefits, Friday, April 6, noon to 1 p.m., Theater, St. Paul Student Center. Frank Cerra, M.D., Senior Vice President for Health Sciences, will be the speaker.

## SEMINARS

March 26 BPTI, Peter Waddell, Tokyo, "Genetic Pathways from MicroArray Data Using Clustering, Graphical Models and Correspondence Analysis," 3:30 p.m., 239 Gortner Labs.

March 27 BPTI, Peter Waddell, Tokyo, "Phylogeny and Classification of Placental Mammal Orders," 12 noon, 239 Gortner Labs. Lunch provided; please RSVP.

April 2 APS, Nadiya A. Al-Saady, Graduate Student, "RNA Interference: A Tool for Functional Genomics," 3:30 p.m., 306 Borlaug Hall.

April 3 Applied Economics, J.B. Penn, Sparks Commodities, Inc., "Background for the 2002 Farm Bill," 2:00-3:30 p.m., 230 Classroom Office Building.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

THE NATURE CONSERVANCY OF OREGON Internships and seasonal employment opportunities for 2001 field season. See positions on our web site at [nature.org](http://nature.org).

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)  
April 2, 2001

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## ANNOUNCEMENTS

Congratulations to Dana Blumenthal and Chris Overbo, winners of the Philip C. Hamm Memorial Scholarship.

Do you know where you coffee comes from? Join us and find out! Sip delicious shade-grown, organic, fair-trade coffee and nibble on goodies at the MISA-sponsored departmental coffee on Monday, April 9<sup>th</sup> at 9:30am in 306 Borlaug Hall. Displays about Sustainable Coffee production in Chiapas, Mexico will be up and students and staff who will have just returned from the "Coffee in Context" educational delegation will be on hand for informal conversation.

Longevity Awards for Civil Service Staff—July 1, 2001-June 30, 2001: Ten Years—Jeanne Davy, Kathleen Storey, Pamela Warnke, Douglas Miller. Twenty years—Kevin Betts and Susan Miller.

## SEMINARS

April 3 *Entomology*: "Immune response of cultured tick cells to Lyme disease spirochete (research proposal)," Josh Mattila, Department of Entomology University of Minnesota. 3:00pm, 310 Alderman Hall.

*Plant Biological Sciences*: "Arabidopsis: Enhancer Traps," Dr. Patty Springer, Department of Botany & Plant University of California-Riverside. 3:30pm, 335 Borlaug Hall.

*WRS 8100 Seminar Series*: "Water Issues Related to Growth in the Twin Cities Area," Gary Oberts, Metropolitan Council Planner. 9:00am, 311 Vincent Hall.

April 4 *Horticulture*: "Improving Disease Resistance of Apple by Genetic Engineering," Herb S. Aldwinckle, Professor of Plant Pathology and International Agriculture, Cornell University. 3:30pm, 310 Alderman Hall.

*WUSA*: "Community-supported

agriculture (CSA): the human sustainability dimension," Hana Niemi, Department of Agronomy and Plant Genetics. Noon, 306 Borlaug Hall.

April 7 *Southern Research and Outreach Center*: "Horticulture Day." Waseca High School.

April 9 *Applied Plant Sciences*: "Modeling Apple Yields," Faye Prompsom, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

*Plant Molecular Genetics Institute*: "TBA," Bob Brambl. Noon, 239 Gortner Lab.

*Food Science Graduate Seminar*: "Sensory Evaluation of Taste Components in Cheddar Cheese," Bin Yang, Ph.D. Candidate. 3:00pm, 23 FScN.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

COLORADO STATE UNIVERSITY  
Field Inspector, Potato Certification Service. B.S. in Plant Pathology, Horticulture, Agronomy or closely related plant science discipline required. Closing date: April 30, 2001.

# Agronomy Gleanings

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April 9, 2001

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## ANNOUNCEMENTS

**Lost & Found:** A book entitled Prairies, Woods and Islands was turned in to 411 Borlaug. If it is yours please come and claim it.

**Take Our Daughters to Work.** The Ms. Foundation for women has launched its 9<sup>th</sup> annual public education campaign to promote self-confidence in young women. A University of Minnesota, St. Paul campus event has been planned to welcome daughters, granddaughters, nieces, and friends into our workplace where they can learn about some of the opportunities at the University. This program is for all ages, but geared for girls 9 to 15 years of age. Guests 8 years or under require a host during the entire event. The support and involvement of many has made this even possible. Please join in the day!

**The Hayes Award Committee** would like to borrow a music stand to use during the Hayes Award Lecture April 18. If anyone has a music stand we could borrow, please contact Sheri Babb ([babb0014@tc.umn.edu](mailto:babb0014@tc.umn.edu)).

## SEMINARS

April 10 **Entomology:** "The dilemma of forest tent caterpillars: Caught between the devils and the deep green tree," John R. Spence, Department of Biological Sciences, University of Alberta. 3:00pm, 310 Alderman Hall.

**WRS 8100 Seminar Series:** "Environmental Sciences in Natural Resource Damage Assessment," Dave DeVault, NRDA Case Manager, US Fish and Wildlife Service. 9:00am, 311 Vincent Hall.

April 11 **Horticulture:** "Farm Connect Marketing Cooperative," Zachary Fore, Cropping Systems Specialist and Extension Educator, University of Minnesota Extension Service, Thief River Falls, MN. Noon, 310 Alderman Hall.

**Animal Science:** "Protect Yourself from Dust, Mold, and Fumes-Respiratory Safety," Mike Austin, Environmental Health and Safety. 10:00am, 365 Haecker Hall.

**WUSA:** "Flame weeding in soybeans," Jim Stordahl, Clay County Extension Service. Noon, 306 Borlaug Hall.

April 16

**Applied Plant Sciences:** "Apomixis and its uses in plant breeding programs," Nadilia Gomez, APS Graduate Student. 3:30pm, 306 Borlaug Hall.

**Food Science Graduate Seminar:** "Addition of soy and probiotics to the diet alters intestinal flora populations and metabolism," Kendra Kauppi, Ph.D. Candidate. 3:00pm, 23 FscN.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

### EPCOT SCIENCE

Internships in Greenhouse Plant Science, Agricultural/Biological Engineering, and others. College students or recent graduates only.

### YOUTH FARM AND MARKET PROJECT Program Director.

### UNIVERSITY OF CALIFORNIA COOPERATIVE EXTENSION

Sudden Oak Death Syndrome Project Coordinator. Bachelors degree in Ecological or Natural Resource Science or related field. Closing date: April 20, 2001.

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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
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April 16, 2001

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## ANNOUNCEMENTS

Philip C. Hamm Memorial Lecture, "The calcium/cytoskeleton connection in pollen tube growth," Dr. Peter K. Kepler, Univ. of Mass., Wed., April 18, 2001, 33 McNeal Hall. Reception: 3:30 p.m.; Lecture 4:00 p.m. Everyone is welcome.

The 28th Annual H.K. Hayes Memorial Lecture and Hayes Graduate Student Award will be held Wed., April 18, 2001, starting at 7:30 p.m., 135 Earle Brown Center, St. Paul Campus, "Agriculture and the University of Minnesota: As Seen Through the Eyes of Governor John Sargent Pillsbury," by J.B. Eckert. The H.K. Hayes Graduate Student Award will be presented to Lee DeHaan. Everyone is welcome.

Kermit A. Olson Memorial Lecture, Dr. Paul Alan Cox, Director of the congressionally chartered National Tropical Botanical Garden in Hawaii and Florida, "The Name of the Rose: Convergence of Indigenous Knowledge Systems with Western Taxonomy," April 24, 3:30 p.m., 335 Borlaug Hall, St. Paul Campus.

Univ. of Minnesota Life Sciences Undergraduate Research Symposium, sponsored by the College of Biological Sciences, Wed., April 25, 1:30-4:30 p.m., Earle Brown Center, Univ. of Minnesota, St. Paul Campus. Oral presentations 1:30-2:00 p.m.; poster session 2:00-4:30 p.m. Call 612-624-9717 for more information.

Several hard-working, bright high school students are looking for summer employment. If interested, please contact Dave Somers at [somers@biosci.cbs.umn.edu](mailto:somers@biosci.cbs.umn.edu).

Project revision discussion schedule for this year is given below. Please mark your calendars and participate in as many of the discussions as possible. Mary Brakke will also discuss her responsibilities and plans for future activities.

Tuesday, May 8: Craig Sheaffer & Paul Peterson  
Friday, May 11: Rex Bernardo & Paul Porter  
Thurs., May 17: Jim Anderson & Mary Brakke  
Friday, May 18: Lori Falkner & Deon Stuthman  
All are 12 noon-1:30 p.m., 306 Borlaug Hall.

Outstanding Achievement Award--The University of Minnesota will confer upon Dr. Robert D. Munson the Outstanding Achievement Award on April 23. The reception (3:00 p.m.) and ceremony (4:00 p.m.) will be held in the Terrace Cafe in the St. Paul Student Center. Bob is a B.S. graduate of our Department. If you plan to attend, please call Karen King at 612-624-4285 or [kking@tc.umn.edu](mailto:kking@tc.umn.edu) by April 16.

Congratulations! Jeff Roessler is the Shape-Up Challenge's first week winner of a \$20 gift certificate for the Olive Garden.

## SEMINARS

April 18 WUSA, Avinash Singh, West Central Research/Outreach Center, "Alternative management options for sustainable livestock production in Minnesota," 12 noon, 306 Borlaug Hall.

Horticultural Science, No Seminar.

April 19 Northrup King Development Committee Brown Bag Series, "Enhanced Professional Communication and Teaching," 306 Borlaug Hall, 12:00-1:00 p.m.

April 20 Biostatistics, Rebecca Doerge, Assoc. Prof., Agronomy/Statistics Dept., Purdue Univ., "Statistical issues and applications in genetics/ genomics," 100 Mayo Auditorium, 10:00 a.m.

April 23 Plant Molecular Genetics, Dr. Shin Enomoto, Dept. of Genetics, Cell Biology and Development, "Senescence in telomerase-deficient *Saccharomyces cerevisiae* cells involves a MEC3-dependent G2/M delay that leads to monster cells," 239 Gortner Lab, 12:00 noon.

Applied Plant Sciences, Martin Meeks, APS Graduate Student, TBA, 306 Borlaug Hall, 3:30 p.m.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### OKLAHOMA STATE UNIVERSITY

Plant and Soil Sciences Department Head. Doctorate in Agronomy, Soil Science, Crop Science, Rangeland Ecology, or closely related discipline. Closing date: May 15, 2001.

#### WATERFOWL PRODUCTION AREA STUDY

University of Minnesota graduate students wanted to assist with driving routes for spring and summer Waterfowl Production Area study in western Minnesota. \$60/day stipend plus per-diem (meals and hotel) while in the field. Contact: Samantha Hayes at 612-624-1224 or haye0134@umn.edu.

MIN  
9/28/00

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
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April 23 , 2001

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## ANNOUNCEMENTS

Take Our Daughters to Work Day, Thursday, April 26, 8:00 a.m.- 4:00 p.m.

Congratulations—Helene Murray is the second week Shape-Up Challenge winner of a \$20 gift certificate at Rainbow.

Laptop Rentals—In addition to the 93 Blegen and 152 Sheperd Lab locations, the laptop rental program is now available in 50 Coffey Hall. Rentals are still only for one day, Monday-Friday, 8:00 a.m.-5:00 p.m. For more information, see Website: <http://lighthouse.micro.umn.edu/laptoprental>.

University Forum: “Crisis in Scholarly Publishing? Are you Contributing?,” Friday, April 27, 3M Auditorium, Carlson School of Management, Minneapolis Campus. Agenda: Keynote address 10:00 a.m.; Panel and discussion 11:00 a.m.; Continuing discussion over lunch 12:00 p.m.; Luncheon Speaker 1:00 p.m.; Copyright Protection and Fair Use Workshop 1:30 p.m. To R.S.V.P., go to <http://www.grad.umn.edu/new/uforum/>.

St. Paul Campus Annual Retirement Luncheon, “Celebrate the Heritage,” Tuesday, May 22, 2001, North Star Ballroom, 12:00 noon. Tickets available Monday, April 23<sup>rd</sup>, Information Desk, St. Paul Student Center. Cost is \$8.00. Tickets must be purchased by Friday, May 11<sup>th</sup>. Menu: Hot Turkey Dinner. Guest Speaker: University President, Mark Yudof.

Get well wishes—Mauritz Linder, former technician with the Soybean Project, broke his hip last week and is recuperating after surgery.

## SEMINARS

April 24 The Kermit A. Olson Memorial Lecture, Dr. Paul Alan Cox, Dir. of the National Tropical Botanical Garden, “The Name of the Rose: Convergence of Indigenous Knowledge Systems with Western Taxonomy,” 3:30 p.m., 335 Borlaug Hall.

April 25 WUSA, Bill Wilcke, Dept. of Biosystems and Agricultural Engineering; MISA, “Progress in Cuba’s conversion to sustainable agriculture,” 12:00 noon, 306 Borlaug Hall.

April 26 Horticultural Science, Dr. Dale T. Lindgren, Prof. of Hort., Univ. of Nebraska, candidate for the Minn. Landscape Arboretum Endowed Land-Grant Chair for Research, “Horticultural Research in West Nebraska,” 1:30 p.m., 310 Alderman Hall.

Second Session--Northrup King Development Committee Brown Bag, “Enhanced Professional Communication and Teaching,” 306 Borlaug Hall, 12:00-1:00 p.m.

Biological Process Technology Institute, Jeff Stein, Ph.D., Director of Regulatory Seeds, “Biotech Crops for Food and Feed,” 3:30 p.m., 239 Gortner Labs.

April 30     Applied Plant Sciences, Ryan Hayes,  
APS Graduate Student, TBA, 3:30  
p.m., 306 Borlaug Hall.

Plant Biology, Candidate for the  
Plant Developmental Biology and  
Genomics positions, Dr. Han Asard,  
Dept. of Biology, Univ. of Antwerp,  
"Redox status-mediated control of  
plant cell growth," 3:30 p.m., 239  
Gortner.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### MORRIS, MINNESOTA

Two full-time Biological Science Technician positions. One position will be announced May 7 and will be in support of the Plant Biochemistry research (Lab, greenhouse and field support). The other position will be announced in July and will be in support of the Soil Microbiology research (Lab, greenhouse and field support). B.S. or M.S. degree required. For more information, contact Ward B. Voorhees, Research Leader, USDA-ARS-MWA-NCSCRL, Morris, MN, Phone: (320) 589-3411 EXT 124; E-Mail: [voorhees@morris.ars.usda.gov](mailto:voorhees@morris.ars.usda.gov).

#### USDA, APHIS, PPQ, PHP

The Animal and Plant Health Inspection Service (APHIS) has immediate need for qualified persons to fill temporary positions at airports, seaports, and boarder crossings across the United States as a member of APHIS' Plant Protection and Quarantine Program (PPQ). Positions involve the inspection of passengers, baggage and cargo entering the country to help prevent the introduction of Foot and Mouth Disease and/or other foreign diseases and pests which endanger American agriculture. Further information: call (800) 762-2738 or e-mail: [francis.k.murphy@usda.gov](mailto:francis.k.murphy@usda.gov).

THE NATIONAL AGRICULTURAL LIBRARY is filling the position of Coordinator, Alternative Farming Systems Information Center (AFSIC). The job announcement can be found at <http://www.ars.usda.gov/afm2/divisions/hrd/vacancy/X1E-1324.htm>.

# Agronomy Gleanings

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April 30, 2001

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

The Bollum Symposium in Molecular Biology, "Directed Evolution of Biomolecules and Functional Genomics," Friday, May 4, 1:00-5:00 p.m., 2-101 Basic Sciences and Biomedical Engineering Building, Mpls. Campus. Sponsor: Dept. of Biochemistry, Molecular Biology and Biophysics.

COAFES, Health and Safety Training, "Preventing Repetitive Stress Injury and a Sore Back—Office Ergonomics," Neil Carlson, Environmental Health and Safety, Tues., May 8, 9:30-11:00 a.m., 310 Alderman Hall. Sponsor: Horticultural Science. Refreshments!

Congratulations—Gosia Bury from the Forageurs team is the third week Shape-Up Challenge winner of a \$20 gift certificate for the Olive Garden.

Student Delivery Drivers needed—Deliver Campus Mail, 7:30-11:30 a.m., Monday-Friday, \$9.00/hr. (use our vehicle-not yours). Must be at least 19 years old and have a clean driving record (two years). Call Jeff at 612-626-1389 and start work tomorrow!

Summer greenhouse help needed, Univ. of Minnesota Biological Sciences greenhouse is looking for someone to work Monday through Friday, 10-20 hours per week, starting around May 20<sup>th</sup> through August 20<sup>th</sup>. Must be able to work in the morning, but hours somewhat flexible. Duties will include watering all greenhouse plants and general plant maintenance. If interested please call Jodi Bjork at 625-4788.

Univ. of Minnesota Staff Day 2001 set for Thursday, May 31, St. Paul Student Center.

## SEMINARS

May 1 Water Resources Science (WRS), Carl Richards, Director, Minnesota Sea Grant, "Water quality issues in Northeastern Minnesota," 9:00 a.m., 311 Vincent Hall, Mpls. Campus.

Entomology, Matthew Carroll, Dept. of Entomology, "Programming with SAS: Tricks, Tips, and Transformations," 310 Alderman Hall, 3:00 p.m.

May 2 Head Candidate, Southern Research/Outreach Center, Waseca, Dr. Forrest Izuno, Everglades Research/Education Center, Belle Glade, Univ. of Florida, "Vision for Research and Outreach," 10:00 a.m., 306 Borlaug Hall.

WUSA, Deon Stuthman, Dept. of Agronomy and Plant Genetics, "The contribution of durable resistance to sustainable agriculture," 12 noon, 306 Borlaug Hall.

Horticultural Science, Carl Rosen, Departments of Horticultural Science and Soil, Water, and Climate, "Plugging the leak: Approaches to reducing nitrate leaching in irrigated potato production," 3:30 p.m., 310 Alderman Hall.



May 3 Final Session-Northrup King Development Committee Brown Bag, Special Student Seminar, "Enhanced Professional Communication and Teaching," 306 Borlaug Hall, 12:00-1:00 p.m.

May 7 Applied Plant Sciences, Kari-Lynne McGowan, APS Graduate Student, "The ABC's of Native Fruit Production (Amelanchier, Blueberries, Cranberries)," 3:30 p.m., 306 Borlaug Hall.

NORTH CAROLINA STATE UNIVERSITY  
Extension Associate, Department of Soil Science, Raleigh. MS degree in soil science, agronomy, environmental quality or related area is required. Closing date: July 1, 2001.

OREGON STATE UNIVERSITY  
Extension, Assistant Professor, Department of Horticulture, ornamental crops production. Minimum of a Masters degree with at least one degree in horticulture or a closely related field. Closing date: July 15, 2001.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### NORTH DAKOTA STATE UNIVERSITY

Graduate Research Assistantship positions available for prospective MS students to investigate the effect of overwintering on triphenyltin hydroxide and benzimidazole resistant *Cercospora beticola* strains, modifying the *Cercospora* prediction model, and improving management strategies for controlling *Cercospora* leaf spot in sugarbeet.

#### UNIVERSITY OF ILLINOIS, URBANA-CHAMPAIGN

Assistant Professor of Weed Science, 70% extension and 30% research, Dept. of Crop Sciences. Ph.D. in weed science or closely related discipline. Closing date: September 15, 2001.

#### UNIVERSITY OF ARKANSAS

Graduate Assistantship in the area of Soil and Water Quality, Dept. of Crop, Soil, and Environmental Sciences, Fayetteville. B.S. or M.S. in agronomy or related area. Availability: July 1, 2001.

#### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, Green Lake County, specializing in dairy management. Master's degree with at least one degree in a field that relates to the responsibilities of this position such as dairy science, animal science or agriculture education. Closing date: May 30, 2001.

# Agronomy Gleanings

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May 7, 2001

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## ANNOUNCEMENTS

Congratulations—Paul Porter is the fourth week Shape-Up Challenge drawing winner of a \$20 gift certificate to Rainbow Foods.

### 2001 Summer Field Days

SROC, Waseca, June 19  
SWROC, Lamberton, June 20  
NWROC, Crookston, July 12  
WCROC, Morris, July 13

## SEMINARS

May 8 COAFES Health and Safety Training, Neil Carlson, Environmental Health and Safety, "Preventing repetitive stress injury and a sore back—office ergonomics," 9:30-11:00 a.m., 310 Alderman Hall.

Project Revisions, Craig Sheaffer and Paul Peterson, 12:00 noon-1:30 p.m., 306 Borlaug Hall.

May 10 SROC Head Candidate, Dr. Richard E. Joost, American Plant Food Corporation, Galena Park, TX, "Vision for Research and Outreach," 10:00 a.m., 306 Borlaug Hall.

Horticultural Science, Dr. Christian Thill, Asst. Prof., Hort. Sci., "Breeding potato cultivars for increased yield, quality, and disease resistance," 3:30 p.m., 310 Alderman Hall.

May 11 Special Seminar, Dept. of Soil, Water, and Climate, Dr. C. William Zanner, School of Natural Resource Sciences, Univ. of Nebraska, Lincoln, "Spatial Data, Landscapes, and Soil Geomorphology: From the Late Pleistocene in Minnesota to 1990s Water Quality Issues in North Carolina," 9:00 a.m., 375 Borlaug Hall.

Project Revisions, Rex Bernardo and Paul Porter, 12:00 noon-1:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF ARKANSAS  
Research Specialist, Environmental Chemistry of Pesticides and Organic Pollutants, Fayetteville. Applicant should have a B.S. or M.S. degree in soil science, water science, chemistry, or a closely related field, and be a part-time graduate student working toward a degree (M.S. or Ph.D.). Position open until suitable applicant is identified.

UNIVERSITY OF CALIFORNIA  
Regional Integrated Pest Management Advisor—IPM Weed Ecologist, Keamey Agricultural Center, Parlier, Calif. Master of Science degree is required, and a Ph.D. degree is desired, in plant ecology, horticulture, weed science, botany, agronomy, plant physiology or other plant science discipline, with emphasis in weed science. Closing date: July 2, 2001.

**PURDUE UNIVERSITY**

Faculty position in plant genetics, Department of Biological Sciences. Ph.D. in an appropriate discipline and significant postdoctoral experience. Review of candidates will begin immediately and continue until the position is filled.

**DELTA AND PINE LAND COMPANY**

Associate Cotton Breeder, Mid-south Cotton Research program for a major seed company in Scott, MS. Minimum qualifications include a Ph.D. degree in plant breeding or related field.

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# Agronomy Gleanings

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May 14, 2001

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## ANNOUNCEMENTS

Congratulations—Red Ralston is the fifth week Shape-Up Challenge drawing winner for a \$20 gift certificate to the Olive Garden.

Round Table Discussion on Bioethics and Policy of Biotechnology, May 16, 2001, 2:30-4:00 p.m., St. Paul Student Center Theater Auditorium. Moderator: Jeff Kahn, Director for the Center for Bioethics.

Organic Field Day, SW Research/Outreach Center, Lamberton, August 17, 2001.

2001 Summer Field Schools:  
Crookston, July 10-11; Rosemount, July 25-26.

Voices Around Campus—An informal hour of discussion and listening to follow a screening of "Holding Up the U: 150 Years of Staff Women at the University of Minnesota" (the new 15-minute video highlighting CS/BU staff women and their contributions to the University of Minnesota), May 17, 3:30-4:30 p.m., McNeal Hall, Room 41, St. Paul Campus. Please RSVP to Toni Coleman (5-1597).

Scientific journal subscription prices are high and getting higher, and scientists are actively discussing what they can do about the situation. Check out details of this lively debate at the Public Library of Science Web site: <http://www.publiclibraryofscience.org/>. If you are curious about the situation with the cost of scientific journals, information is available from the Association of Research Libraries at <http://www.arl.org/create/faculty/issues/quick.html>.

Dr. Wallace Nelson will be presented with the Univ. of Minn. Outstanding Achievement Award, Friday, May 18. A reception will be held at 3:00 p.m. (RSVP was due May 11) and the program and presentation will be at 4:00 p.m., St. Paul Student Center Terrace Cafe.

## SEMINARS

May 15 Ph.D. Thesis, Russell Rasmussen, Applied Plant Sciences Graduate Student, "Antisense Inhibition of the Waxy Genes in Hexaploid Oat," 9:00 a.m., 306 Borlaug Hall.

May 17 M.S. Thesis, Peter Imle, Applied Plant Sciences Graduate Student, "QTL verification and testcross analysis of seed shattering in wild rice (*Zizania palustris* L.)," 9:00 a.m., 306 Borlaug Hall.

Project Revisions, Jim Anderson and Mary Brakke, 12:00 noon-1:30 p.m., 306 Borlaug Hall.

Horticultural Science, Dr. Paul H. Li, Professor, Hort. Sci., "Improvement of Corn Chilling Tolerance," 3:30 p.m., 310 Alderman Hall.

May 18 Project Revisions, Lori Falkner and Deon Stuthman, 12:00 noon-1:30 p.m., 306 Borlaug Hall.

## **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

### **UNIVERSITY OF MISSOURI/LINCOLN UNIVERSITY OUTREACH AND EXTENSION**

Agronomy Specialist, headquartered in Mississippi County, Charleston. Masters degree in agronomy and/or soil science. Closing date: June 4, 2001.

### **WYFFELS HYBRIDS, INC.**

Corn Breeder, Product Development Manager, Wyffels Research & Development Center, Geneseo, IL. Minimum qualifications include an M.S. degree in Plant Genetics and 5 years experience with commercial corn breeding and Cornbelt germplasm.

### **UNIVERSITY OF KENTUCKY**

Assistant/Associate Professor of Agronomy, Research and Teaching in Soil Science, Department of Agronomy, Lexington. A Ph.D. in Soil Science or a related discipline. Closing date: July 15, 2001.

### **UNIVERSITY OF KENTUCKY**

Seed Testing Specialist in the Division of Regulatory Services, Lexington. A Master of Science degree with emphasis in seed science. Closing date: June 15, 2001.

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# Agronomy Gleanings

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May 21, 2001

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## ANNOUNCEMENTS

Memorial Day observed, Monday, May 28.  
University offices closed.

Congratulations! Marcelo Pacheco passed his oral prelims.

Welcome to Tabare Abadie. He will be visiting the Department today and tomorrow.

Congratulations—Eliza Anderson is the sixth and final week Shape-Up Challenge drawing winner for a \$20 gift certificate for Rainbow Foods.

Shape-Up Challenge Grand Finale is planned for Wednesday, May 30, 12 noon, 306 Borlaug Hall.

Reminder: St. Paul Campus Annual Retirement Luncheon, "Celebrate the Heritage," Tuesday, May 22, North Star Ballroom, 12 noon.

COAFES, St. Paul Campus Health and Safety Training, "Laboratory Safety—A General Session," Wednesday, May 30, 9:30-11:30 a.m., 306 Borlaug Hall. Dawn Errede, Environmental Health and Safety, will provide a general training session for anyone who works in a laboratory. This session is great for new employees or for anyone needing a refresher. Sponsor: Agronomy and Plant Genetics. Refreshments will be served.

Civil Service & Bargaining Unit Employee Staff Day 2001, Thursday, May 31, 11:30 a.m. - 1:00 p.m., St. Paul Campus Garden Terrace. Food, music, festivities and a great gift for you! **Bring your Campus Mail "Come Celebrate!" coupon to redeem your special gift.**

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF FLORIDA

Farm Managers (two openings) at Gulf Coast Research and Education Center in Bradenton and Dover. A master's degree in an agricultural science or a bachelor's degree plus two years appropriate experience, and training/experience in horticultural farm management.

### HEFTY SEED COMPANY

Agronomists, seed and chemical positions available in South Dakota, SW Minnesota and NW Iowa.

### BIODIAGNOSTICS, INC. (BDI)

Electrophoresis Laboratory Analyst for seed testing company in River Falls, Wisc. B.S. degree in biochemistry, biotechnology, biology or chemistry. Applications accepted until position filled.

### UNIVERSITY OF ARKANSAS

Research Specialist in the area of Soil and Water Quality, Dept. of Crop, Soil and Environmental Sciences, Fayetteville. B.S. or MS. in agronomy or related area.

# Agronomy Gleanings

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May 29, 2001

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## ANNOUNCEMENTS

Shape-Up Challenge Grand Finale, Wednesday, May 30, 12 noon, 306 Borlaug Hall. Bring a beverage and Subway sandwiches will be provided. RSVP to Jeff Roessler or Kathleen Storey by 11:00 a.m., May 29.

Reminder: Staff Day, Thursday, May 31, 11:30 a.m.-1:00 p.m., St. Paul Campus Garden Terrace. **Bring your Campus Mail "Come Celebrate!" coupon to redeem your special gift.**

A visiting student (female) from New Zealand would like to share a room with another female attending the Plant Biology Society meeting, July 21-25. If interested, please contact Joe Sowokinos at 218-773-2473 or inform Jean Swanson at 5-2740.

West Central Research/Outreach Center Pasture Series 2001, "Developing the 'Grass Eye': Watching Grass Grow," first Friday of June (Managing the spring flush), July (Extending the grazing season), August (Summer slump?), September (Managing fall growth), and December (Over-wintering livestock) from 11:00 a.m. - 2:00 p.m. Pre-registration required. Call Theresa at 320-589-1711. [In the interest of biosafety, please bring footwear suitable for treatment with disinfectant.]

## SEMINARS

May 30 Laboratory Safety--A General Session, Dawn Errede, Environmental Health and Safety, 9:30-11:30 a.m., 306 Borlaug Hall.

May 31 M.S. Thesis Defense, Sheri Babb, Applied Plant Sciences Graduate Student, "Genetic and morphological characterization of the barley unculm2 (cul2) tillering mutant," 9:00 a.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### NORTH DAKOTA STATE UNIVERSITY

Tenure track position in hard red spring wheat breeding, Department of Plant Sciences. Ph.D. in plant breeding or related discipline with demonstrated expertise in plant breeding, genetics, and germplasm enhancement. Closing date: August 3, 2001.

### WASHINGTON STATE UNIVERSITY

Endowed Chair in Wheat Breeding and Genetics, Department of Crop and Soil Sciences, Pullman. Ph.D. in genetics, plant breeding, molecular biology or an allied discipline. Closing date: October 1, 2001.

# Agronomy Gleanings

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June 4, 2001

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## ANNOUNCEMENTS

Congratulations to Howard and Donna Rines, proud grandparents of Katherine Elizabeth, born May 24th weighing 9 lbs 8 oz. Parents are David and Olga Rines and older sisters are Nina and Tanya.

To members of the Department of Agronomy and Plant Genetics: Congratulations on being selected as one of the Top Ten Departments to work for at the University of Minnesota. That is great, except you are the number one Department in my eyes.

Laddie J. Elling, Professor Emeritus

COAFES Faculty, Staff, and Students, Priority Implementation Kick-Off Event, Wednesday, June 13, 1:30-4:30 p.m., Earle Brown Center, Rm 135-BD. Refreshments will be served.

Congratulations! The Shape-Up Challenge Grand Finale drawing winners for gift certificates to Target were: \$10 -- Vladimir Portyanko, Amka Aruinbold, Nicholas Di Lorenzo, Hanna Niemi, Hans Jung; \$25 -- Jim Halgerson, Judith Vandemortel, Carroll Vance; \$50 -- Kelli Zinn, Suzanne Livingston.

The WARP'T team won the free lunch from Nelson's Cheese Factory. WARP'T team members are Amka Aruinbold, Eline Boon, Laddie Elling, Nicholas DeLorenzo, Keith Henjum, Ted Jeo, Hans Jung, Maria Teresa Lemos, Red Ralston, Veronicka Zanetta.

Participants with the top averages: Doug Miller (800pts), Red Ralston (678pts), Sue Miller (668pts), Caroline Mackintosh (638pts), Megan Wyckoff (630pts), Jeanne Davy (615pts), Keith Henjum (602pts), Paul Porter (568pts).

A special thank you to the Northrup King Development Committee for sponsoring the Shape-Up Challenge, and to those who contributed their time and effort -- Kathleen Storey, Jeff Roessler, Lynne Medgaarden, Marilyn Swanson, Ruby Larson and Kate Plaisance.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF CALIFORNIA, DAVIS  
Biotechnology Specialist, Seed Biotechnology Center. A Ph.D. (or M.S. plus extensive relevant experience) in a biological discipline related to plants, agriculture, and biotechnology is required, and expertise in seed physiology and molecular biology is desirable. Closing date: June 22, 2001.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
Assistant/Associate Professor, Corn Breeding and Genetics. Ph.D. in plant breeding or a related discipline is required. Closing date: Sept. 17, 2001.

SOUTH DAKOTA STATE UNIVERSITY  
Assistant Professor, Production and Ecology of Forage Crops. Ph.D. in agronomy, crop science, or related field; experience in management and/or ecology of forage crops. Closing date: July 16, 2001.

UNIVERSITY OF CALIFORNIA, COOPERATIVE EXTENSION  
Agronomy/Sustainable Agriculture Farm Advisor, Imperial County. A Master's Degree in agronomy, plant sciences, or other closely related field with demonstrated knowledge of field crop production. Closing date: June 28, 2001.



**MICHIGAN STATE UNIVERSITY**

Assistant/Associate Professor, Plant Biochemistry and Metabolic Engineering, Plant Biology Department. Closing date: August 15, 2001.

**MISSISSIPPI STATE UNIVERSITY**

Professor and Head of the Department of Plant and Soil Sciences. Ph.D. in Agronomy, Horticulture, Soil Science, Weed Science, or a closely related field. Closing date: June 30, 2001.

**THE PENNSYLVANIA STATE UNIVERSITY**

Professor and Head, Department of Agronomy. Ph.D. in the plant sciences, agronomy, soil science, or a closely related field. Closing date: June 15, 2001.

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# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

June 11, 2001

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

**Birth Announcement!** Sophie Margaret Manolis was born Monday, June 4 at 10:51 AM. She weighed in at 9 lbs, 10 oz. and is a healthy and contented little one. We are all overjoyed and exhausted and trying to adjust to new rhythms of life. --Emily Green and Jim

**Second Annual Agriculture Open House**, Saturday, July 14, 2001, 9:00 a.m. - 1:00 p.m., St. Paul Campus. Sponsored by College of Agricultural, Food, and Environmental Sciences and Minnesota Agricultural Experiment Station.

**Reminder: Priority Implementation Kick-off Event** for all COAFES faculty, staff, and students, Wednesday, June 13, 1:30-4:30 p.m., Earle Brown Center, Room 135-BD.

**Magrath Library Classes**--Enhance your information skills this summer with a class at the library. All of these hands-on sessions are open to current faculty, staff, and students, and will be held at Magrath Library.

- Electronic Journals - Tips and Tricks

Tues, June 12, 2:30-3:00

Wed, August 22, 1:00-1:30

- Organize Your Personal Library with EndNote

Tues, June 26, 1:30-3:00

Tues, August 14, 1:30-3:00

- Automatic E-mail Updates from Current Contents and Biosis

Mon, August 20, 3:00-3:30

Tues, August 21, 11:00-11:30

Please sign up at

<http://www.lib.umn.edu/registration>. Questions?

Call or e-mail the Magrath Library Reference Desk at 624-1212 or [magrath@umn.edu](mailto:magrath@umn.edu).

## SEMINARS

June 12 **Ph.D. Thesis Defense**, Gacheri Kimathi Muriuki, Dept. of Plant Pathology, "Deoxynivalenol and Nivalenol in Pathogenesis of Fusarium Head Blight in Wheat," 10:30 a.m., 491 Borlaug Hall.

June 18 "Indian Agriculture - The Challenges Ahead," I.P. Abrol, Director of the Center for Advancement of Sustainable Agriculture, 11:00 a.m., S415 Soils Building.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### TARLETON STATE UNIVERSITY

Assistant/Associate Professor of Agronomy. Ph.D. in Soil Science or closely related discipline with experience/interest to effectively teach designated courses. Closing date: July 1, 2001.

USDA, ARS, U.S. NATIONAL ARBORETUM  
Research Geneticist (Plants) in the Floral and Nursery Research Unit, Beltsville, Maryland.  
Closing date: July 30, 2001.

### COLORADO STATE UNIVERSITY

Post Doctoral Research Associate, Turfgrass Ecology, Fort Collins. Ph.D. degree in ecology, soil science, agronomy, or closely related field; M.S. degree in one of these fields will also be considered. Closing date: June 30, 2001.

**THE MORTON ARBORETUM**

Research Soil Scientist position located at Lisle, IL.  
Ph.D. with at least one degree in soil science. Strong  
background in horticultural or ecological aspects of  
soil science required. Closing date: July 1, 2001.

# Agronomy Gleanings

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June 18, 2001

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## ANNOUNCEMENTS

Get Well Wishes – Mohamed Oussible is recovering from cornea transplant surgery and everything is going well. He will be in Minnesota 2-3 more weeks before returning to Morocco.

Happy Birthday to Laddie Elling who will be 84 years old on Tuesday, June 19.

Please welcome Christine Tardif (Seth Naeve's project), Mehdi Benaissia and David Cros (Deon Stuthman's project). They are undergraduate research assistants from ENSAT University in France working on a summer intern program in our department.

Summer Field Days: June 19, Waseca, Southern Research/Outreach Center and June 20, Lamberton, Southwestern Research/Outreach Center.

ATTENTION ALL AGRONOMY CIVIL SERVICE STAFF – It's that time again to meet, eat, pass on information and elect new people to serve on the civil service liaison committee! There will be a civil service meeting Wednesday, June 27 at 9 am in 306 Borlaug. Refreshments will be served. If anyone has any concerns/information that they want presented at the meeting, please e-mail Kate at plais002@tc.umn.edu.

Notice – We can no longer recycle lab plastic ware. The company we used is no longer in business, and we've found no other recycler willing to accept our plastic. The large brown bin for its collection has been removed from the Agronomy storage area, so please put consumables into your lab trash cans. Thanks, Suzanne Livingston

## SEMINARS

June 20 Glen Fox, Research Scientist, Queensland Farming Systems Institute, Toowoomba QLD, AUSTRALIA, "Barley Quality Evaluation and Associated Research in Northern Australia," 10:00 a.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF ARKANSAS**  
Research Assistant/Associate Professor, Soil Testing Laboratory. Ph.D. in soil science with experience in soil and plant analytical techniques. Closing date: September 1, 2001.

**UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**  
Assistant/Associate Professor, Corn Breeding and Genetics. Ph.D. in plant breeding or a related discipline. Closing date: September 17, 2001.

**THE UNIVERSITY OF TENNESSEE**  
Assistant/Associate Professor, Corn and Soybean Production. Earned doctorate in crop science or a closely related discipline.

**THE UNIVERSITY OF TENNESSEE**  
Assistant/Associate Professor, Cotton and Small Grain Production. Earned doctorate in crop science or a closely related discipline.

**UNIVERSITY OF MINNESOTA**

Marketing Assistant, one-year fellowship position, University Relations. A degree in marketing or related field is preferred but not required. Closing date: 5:00 p.m., June 30, 2001.

**UNIVERSITY OF MINNESOTA**

Assistant Professor, Potato Pathology, Dept. of Plant Pathology, St. Paul Campus. Ph.D. (by date of appointment) in plant pathology or related discipline with a strong background in plant disease resistance research and evidence of publications. Closing date: August 31, 2001.

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
June 25, 2001

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## ANNOUNCEMENTS

REMINDER: AGRONOMY CIVIL SERVICE STAFF – It's that time again to meet, eat, pass on information and elect new people to serve on the civil service liaison committee! There will be a Civil Service meeting Wednesday, June 27 at 9 am in 306 Borlaug. Refreshments will be served. If anyone has any concerns/information that they want presented at the meeting, please e-mail Kate at plais002@tc.umn.edu.

Baby is here! Our second daughter, Macarena, was born last Friday. Mom and baby are doing very well. Santiago and Agustina seem to be adapting to their new sister. –Juan Diaz

Congratulations to Tabare Abadie on being promoted to Full Professor at the University of Uruguay.

Farewell Coffee for Hal Mickelson, Tuesday, June 26, 10:00 a.m., 306 Borlaug Hall.

Mark your calendars – Retirement reception honoring H.H. Cheng, Head of the Department of Soil, Water, and Climate, August 22, 2001, 3:00-5:00 p.m., Northstar Ballroom, St. Paul Campus. Brief program at 4:00 p.m. Please send a letter to H.H. to be included in a Book of Memories by August 10 to Karen Mellem, Department of Soil, Water, and Climate, University of Minnesota, 439 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6028. RSVP by August 10 to 612-625-5251.

The American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America are pleased to announce that the ASA-CSSA-SSSA Apparel Store is now open! The store offers a variety of apparel from denim shirts to fashion polos to sweatshirts to pullovers...and more. Be sure to check out the embroidered attache. The store features styles for both women and men!! It is easy to enter the Apparel Store! Simply go to [www.agronomy.org](http://www.agronomy.org), [www.crops.org](http://www.crops.org), [www.soils.org](http://www.soils.org), and click on the Online Store button at the top of the page. Then click on "Browse the Apparel Store." It's well worth a visit!! If you have any questions about the Apparel Store or your apparel order, feel free to contact Customer Service any time at [apparel@agronomy.org](mailto:apparel@agronomy.org).

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

- UC-DAVIS
- Three UC Coop. Ext. Co. advisor openings:
- Advisor, Community & Economic Development. Trinity County, Hayfork, CA. Deadline to apply: July 25, 2001.
  - Advisor, Agriculture Waste Management. Sonoma/Marin Counties, Santa Rosa, CA. Deadline to apply: July 30, 2001.
  - Advisor, Community & Natural Resource Development. Napa County, Napa, CA. Deadline to apply: July 18, 2001.

UNIVERSITY OF WISCONSIN-MADISON  
Assistant Professor, Soybean Agronomist, Dept. of Agronomy. Ph.D. in agronomy, crop science, plant breeding, plant genetics, plant pathology, or related plant discipline. Closing date: October 1, 2001.

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July 2, 2001

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## ANNOUNCEMENTS

The University of Minnesota will be closed on Wednesday, July 4<sup>th</sup> for Independence Day.

Congratulations to Mark Galatowitsch on receiving the Dept. of Plant Pathology Civil Service Award of Excellence!

A barbecue (wild rice brats and barbecue-type food) on Borlaug Hall Terrace, July 9, at 5:30 pm. This event is being held to welcome twenty high school biology and ag science education teachers who will be attending a week-long workshop on genetics and biotechnology offered in the Department. I would also like to invite you to join the teachers for lunch in the Bailey Hall cafeteria. I have extra meal cards for three students, faculty, staff or post docs in the Department to accompany us each day. Let me know in advance if you would like to join the group for lunch. Finally, I'm looking for volunteers to assist with the grilling on Monday the 9th. Thanks, Mary Brakke

Congratulations to the 2001/02 Community Genetics Fellow Kristin Mercer, an Applied Plant Sciences Ph.D. graduate student. This fellowship was given for the first time by the Minnesota Center for Community Genetics with funding from CBS. Kristin studies the level of hybridization between transgenic, herbicide resistant *Brassica napus* (Roundup Ready canola) and its wild relatives, and how introgression of Bt insecticidal transgenes of genetically modified canola into the gene pool of *Brassica juncea* (Indian or Brown mustard) affects lepidopteran herbivory damage on *B. juncea*.

## POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

### KANSAS STATE UNIVERSITY

Assistant Scientist, Southwest Research-Extension Center, Tribune, KS. Qualifications required: B.S. in Soil Science, Agronomy, or related field with a strong background in the application of science principles and technology to agricultural production problems. Preferred: M.S. in Soil Science, Agronomy, or related field. Closing date: August 15, 2001.

### UNIVERSITY OF MISSOURI-COLUMBIA

Research Associate, Project Manager, Dept. of Agronomy. Qualifications: M.S. in Agronomy or a related field and significant experience in conducting or managing field research. Closing date: July 1, 2001.

### UNIVERSITY OF KENTUCKY

Research Specialist, Small Grain Variety Testing. Qualifications: M.S. in Plant Breeding or Agronomy or closely related area. Closing date: September 1, 2001.

### USDA ARS FORAGE/RANGE RESEARCH LABORATORY, LOGAN, UTAH

Research Geneticist to develop and release new germplasm/cultivars/varieties of pasture and rangeland legumes and forbs. Details found at <http://www.ars.usda.gov/afm2/divisions/hrd/index.html>

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July 9, 2001

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## ANNOUNCEMENTS

Second Annual Agriculture Open House, Saturday, July 14 from 9:00 a.m. - 1:00 p.m., St. Paul Campus.

### Summer Field Days

- July 10, Processing vegetable industry tour
- July 11, Canola Production Centre near Thief River Falls
- July 12, Northwestern Research and Outreach Center, Crookston
- July 13, West Central Research and Outreach Center, Morris

Summer Field School, July 10-11, Crookston.

### Important Changes to Airfare Payment Process.

Effective July 15, 2001, University employees can begin using their purchasing or corporate travel cards to charge authorized business airfares. Effective September 1, 2001, CUFS account numbers will no longer be accepted by our contract travel agencies as a payment/billing method when booking airline reservations.

Outstanding Alumni Award 2000/2001 will be presented to William H. Meyers by the Department of Applied Economics, Univ. of Minnesota, Wed., July 18, Room 119, Classroom Office Building. Reception at 3:00 p.m. Presentation and Address at 3:30 p.m. Address: "What's the Buzz, What's a Happenin': Reflections on the World Food Summit - Five Years Later," by Willi Meyers.

The new remote control for the LCD projector in 306 Borlaug Hall has arrived. Please use on/off button on the remote control.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### YELLOW MEDICINE RIVER WATERSHED DISTRICT

Agronomist, Nutrient Management Planner, Clean Water Partnership Phase II project. Degree in Agronomy, academic training and knowledge in geology, hydrology, agriculture, or related field of science.

### OREGON STATE UNIVERSITY

Assistant or Associate Professor, Extension Viticulturist, Department of Horticulture. Minimum of Master of Science degree (Ph.D. preferred) with two years of experience. One degree must be in viticulture, horticulture, plant pathology, or a closely related field. Closing date: July 31, 2001.

### AGRELIANT GENETICS, LLC

Research Associate, Kenyon, Minn. Research Station. Bachelors degree in Agronomy or related field preferred.

### UNIVERSITY OF CALIFORNIA, RIVERSIDE

One to two postdoctoral associates: Biochemistry/Cell Biology/ Genetics of *Phytophthora infestans*. Ph.D. in a relevant discipline and skill in biochemistry, cell biology, or molecular biology.

### UNIVERSITY OF MINNESOTA

Marketing Manager, Twin Cities Student Unions, Coffman Memorial Union and St. Paul Student Center, Office of the Vice President for Student Development. Bachelor's Degree in Marketing or related field required. Closing date: 4:00 p.m., Friday, July 13, 2001.



**UNIVERSITY OF CALIFORNIA**

Community and Natural Resource Development Advisor, Napa, Calif. Master's Degree in Community Development, Economic Development or City and Regional Planning or a closely related field. Closing date: July 18, 2001.

**UNIVERSITY OF CALIFORNIA**

Agriculture Waste Management Advisor, Sonoma County, Santa Rosa, Calif. Master's Degree in Agricultural Engineering, Environmental Science, Soil Science, Animal Science, Range Management or related fields. Closing date: July 30, 2001.

**UNIVERSITY OF CALIFORNIA**

Community and Economic Development Advisor, Hayfork, Calif. Master's Degree in Community Development, Economic Development or City and Regional Planning or a closely related field. Closing date: July 25, 2001.

**UNIVERSITY OF MINNESOTA**

Assistant to the Associate Dean for Faculty and Research, College of Liberal Arts (CLA). Required: Bachelor's Degree. Desired: Masters Degree. Closing date: July 25, 2001.

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July 16, 2001

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## ANNOUNCEMENTS

Congratulations! Robert Jones, a professor of agronomy and plant genetics and interim president to the Office of Student Development, was appointed by the Board of Regents as the vice president for campus life. As vice president, Robert will oversee the Office of Multicultural Affairs and the Office for Student Development.

Congratulations to Gail Nelson, Charles Russell and Darcy Weston on being elected to serve on the department Civil Service Liaison Committee.

It's a girl! Chloe was born to proud parents Debra Elias-Morse and Steve Morse on July 8, 2001. She weighed 7 lbs. 4 oz.

Please welcome Elise Cowan to our department. She is our new student office assistant for Accounting and the Main Office.

### Field Days

- July 19, Wild Rice, Grand Rapids
- July 20, Wescott Orchard in Elgin, MN Apple Growers Association

## SEMINARS

July 20      Ph.D. Thesis Defense, Dana Blumenthal, "Prairie Restoration as Weed Control and Weed Control in Prairie Restoration," 9:00 a.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF MISSOURI SOUTHWEST RESEARCH CENTER

Research Outreach Coordinator, Community Food Systems and Sustainable Agriculture. Extension faculty position in Mt. Vernon. M.S. or M.A. degree in a subject area related to sustainable agriculture. Closing date: July 23, 2001.

### UNIVERSITY OF MISSOURI

Program Coordinator, Community Food Systems and Sustainable Agriculture. Extension faculty position based in Rural Sociology Department. M.S. or M.A. degree in a subject area related to community food systems and sustainable agriculture. Closing date: July 23, 2001.

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# Agronomy Gleanings

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July 23, 2001

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## ANNOUNCEMENTS

Rosemount Research/Outreach Center Summer Field School, July 25-26, 2001.

Photo and Digital Imaging Services available at Veterinary Medical Photography and Graphics, an on-site, non-profit unit offering digital and graphic services at a very low cost. For more information, call Michelle Mero Riedel at 4-9719 or stop by Room 432, Veterinary Science Building, St. Paul Campus.

Associated Media Services (612-827-8279), a core group of three former Biomedical Graphics employees organized to provide photography, art and video services.

Showcase 2001 Exploring Air, Land, and Water, Central Lakes Ag Center, Staples, Minn., Thursday, August 2, 8:30 a.m.-1:30 p.m. (Nitrate clinic starts at 8:00)

### 2001-2002 Civil Service Holidays

September 3, 2001, Labor Day  
November 22, Thanksgiving holiday  
November 23, Floating holiday  
December 24, Floating holiday  
December 25, Christmas Day  
December 31, Floating holiday  
January 1, 2002, New Years Day  
January 21, Martin Luther King holiday  
May 27, Memorial Day

\*Unassigned, one personal floating holiday

\*Applies to civil service and non-academic bargaining unit employees.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF NEBRASKA-LINCOLN

Two Graduate Research Assistant positions, Soil Acidity and Liming, Dept. of Agronomy and Horticulture. B.S. or M.S. degree in Agronomy, Soil Science, Environmental Science, Biology, Chemistry or a related field and excellent academic credentials.

### PIONEER HI-BRED INTERNATIONAL, INC.

Research Associate, Analytical Biochemistry, Johnston, Iowa. M.S. degree or equivalent in Molecular Biology or related field, or a B.S. degree plus at least 4 years of relevant laboratory experience.

### UNIVERSITY OF MINNESOTA

Community Program Specialist, Plantmobile Instructor, Learning Center, Minn. Landscape Arboretum, Chanhassen. B.S. in Horticulture, Botany, Environmental Education, Elem. Educ. or related field to include teaching experience in classroom or informal setting.

### UNIVERSITY OF CALIFORNIA, DAVIS

Assistant Professor and Physiological Weed Geneticist, Dept. of Vegetable Crops. Ph.D. degree in Weed Science or related discipline with emphasis on molecular biology or genetics. Postdoctoral experience is highly desirable. Closing date: October 15, 2001.

VIRGINIA POLYTECHNIC INSTITUTE AND  
STATE UNIVERSITY

Professor and Head, Department of Crop and Soil  
Environmental Sciences. Ph.D. in agronomy, crop  
science, turfgrass science, soil science,  
environmental science, or a related field and must  
qualify for the rank of professor. Closing date:  
October 1, 2001.

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July 30, 2001

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## ANNOUNCEMENTS

Farewell Coffee for Shawn Pierce, Computer Support Assistant, Tuesday, August 7, 10:00 a.m., 306 Borlaug Hall.

Get Well Wishes for Laddie Elling who suffered a stroke on Friday, July 27. He is in intensive care at United Hospital.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### CALIFORNIA POLYTECHNIC STATE UNIVERSITY

Boswell Endowed, Assistant Professor, Crop Science Department, San Luis Obispo. Ph.D. in Plant Science, Plant Genetics, Plant Biotechnology, Crop Science, Agronomy or related field required. Closing date: November 1, 2001.

### UNIVERSITY OF MISSOURI & LINCOLN UNIVERSITY OUTREACH & EXTENSION

- Agronomy Specialist, Caruthersville, MO. Earned masters degree in agronomy and/or soil science. Closing date: August 24, 2001.

- Agronomy Specialist, Edina, MO. Earned masters degree in agronomy and/or soil science. Closing date: August 24, 2001.

- Farm Management Specialist, Potosi, MO. Earned masters degree in agricultural economics, farm management or agricultural business. Closing date: August 24, 2001.

### NORTH DAKOTA STATE UNIVERSITY

Two postdoctoral research fellows, Department of Plant Sciences, Fargo. One postdoctoral to conduct breeding/marker assisted selection research. Second postdoctoral to conduct the genetic dissection/marker development of FHB resistance. Both positions require Ph.D. in genetics or plant breeding. Closing date: August 3, 2001.

### UNIVERSITY OF KENTUCKY

Assistant Professor, Research and Teaching in Crop Science, Department of Agronomy, Lexington. Ph.D. in Crop Physiology-Management or a closely related area. Closing date: November 5, 2001.

### NORTH DAKOTA STATE UNIVERSITY

Hard red spring wheat breeder. A more detailed job description was listed in the June issue of CSSA/ASA/SSSA Newsletter.

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August 13, 2001

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## ANNOUNCEMENTS

Employee Benefits is sponsoring informational forums on your new UPlan medical plan options. Plan representatives will be at each session to answer your questions. St. Paul campus sessions are Noon to 1 p.m. on the following days:  
Wed., Aug. 22, Theater, St. Paul Student Center;  
Wed., Sept. 12, Theater, St. Paul Student Center.

Organic Field Day, August 17, Southwest Research/Outreach Center, Lamberton, Minn.

SARE COMPETITIVE GRANTS -- 2002 Call for Preproposals -- Research and Education Grant Program. Receipt deadline is September 10, 2001. See Jeanne for details.

The Agro 5310 Summer Tour to northwestern Minnesota and eastern North Dakota will be August 21 through August 23. There is still room for 1 or 2 more people to join the tour. Lodging and transportation are provided. See Jean Swanson, 411 Borlaug Hall, before noon tomorrow if you are interested.

Laddie Joe Elling, Professor Emeritus, age 84, died August 8. Memorial Service was Saturday, August 11 at the Church of the Good Shepard United Methodist, St. Paul.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

**THE PENNSYLVANIA STATE UNIVERSITY**  
Assistant Professor, Environmental Soil Chemistry, Dept. of Crop and Soil Sciences. Ph.D. in Soil Science, Agronomy, Geochemistry or closely related field. Closing date: October 31, 2001.

**PURDUE UNIVERSITY**  
Research Agronomist (Wheat, Oat Breeding and Genetics), Department of Agronomy, Crop Soil and Environmental Sciences. Ph.D. or M.S. with two years experience in plant breeding and genetics. Closing date: September 1, 2001.

**OREGON STATE UNIVERSITY**  
Ecologist, Assistant Professor, Department of Horticulture, Corvallis. Minimum Ph.D. in ecology, horticulture, forestry, or closely related field. Closing date: November 1, 2001.

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August 27, 2001

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## ANNOUNCEMENTS

Labor Day Holiday, Monday, September 3, 2001.  
University offices will be closed.

Minnesota Wheat Research and Promotion Council  
Call for proposals -- Due date 10/16/01. See Jeanne  
or web page  
[www.smallgrains.org/researchcommittee.htm](http://www.smallgrains.org/researchcommittee.htm)

Thank you for the beautiful flowers and your  
thoughtfulness at this time. We also thank you for the  
years of friendship you all had with our father.  
--The Laddie Elling Family

## SEMINARS

August 28     Ph.D. Thesis Defense, Applied Plant  
Sciences, Lee DeHaan, "Analysis of  
Diversity in *Amorpha fruticosa* and  
*Desmanthus illinoensis*," 9:00 a.m.,  
306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

**KANSAS STATE UNIVERSITY**  
Graduate Research Assistant, Soybean breeding and  
genetic engineering, Dept. of Agronomy, Manhattan,  
KS. B.S. or M.S. in agronomy, plant breeding,  
genetics, or related field.

## THE UNIVERSITY OF ARIZONA

Assistant/Associate Specialist (Professor),  
Department of Plant Sciences, Maricopa  
Agricultural Center, Phoenix area. A Ph.D. in Crop  
Science or closely related field. Closing date:  
December 3, 2001.

## MICHIGAN STATE UNIVERSITY

Two tenure-track faculty positions in plant biology,  
one at Assistant Professor level and the other at the  
Assistant, Associate, or Full Professor level.  
Located at the MSU-DOE Plant Research  
Laboratory, Michigan State University, East  
Lansing. Closing date: September 15, 2001.

## AGRACETUS, MONSANTO COMPANY

Several positions available in the Integrated Protein  
Technologies Unit, Middleton, Wis. The successful  
candidates will contribute towards development,  
analysis and improvement of transgenic crops for  
the production of therapeutic proteins. Closing date:  
August 31, 2001.

## BADGERSETT RESEARCH CORPORATION

University of Minnesota funded position at the  
Badgersett Research Farm in Fillmore County,  
Minnesota. (Half time spent at University of  
Minnesota.) Basic qualification: University of  
Minnesota graduate student with greenhouse and  
research experience. Graduate thesis research  
possibilities. Visit website at [badgersett.com](http://badgersett.com).

## UNIVERSITY OF MINNESOTA

Director of Financial Services, Humphrey Institute  
of Public Affairs. Minimum qualifications:  
Baccalaureate degree in business, accounting or  
related area and knowledge of the University's  
annual budget and planning cycle.

**THE NATIONAL CAMPAIGN FOR  
SUSTAINABLE AGRICULTURE**

Organizer to focus on capacity building and organizing around policy education, development, and advocacy. Closing date: September 15, 2001.



miw  
9/4/01

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
September 4, 2001

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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 resources upon which agriculture depends.

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## ANNOUNCEMENTS

Please welcome Jill Garvin to our department. She will be working on the Oat Project as a Research Associate.

Independent Professional Seedsmen Association request for cooperative research project pre-proposals. Deadline for submission: October 5, 2001. See Jeanne for details.

Parking permit sublet available for this winter (November 3, 2001 to March 31, 2002) in Lot SC 105 (next to greenhouses). Call Hans Jung at 5-8291 if interested.

## SEMINARS

- September 5 Dept. of Biochemistry, Molecular Biology and Biophysics, Dr. Subramanian Ramaswamy, Univ. of Iowa, "How Does Light Regulate Chloroplast Enzymes?", 4:00 p.m., 2-650 MoosT, Minneapolis Campus.
- September 6 Candidate for the USDA-ARS Research Leader position at the Cereal Disease Lab., Dr. David Marshall, "Breeding for Disease Resistance in Cereals," 10:30 a.m., 491 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF WISCONSIN-MADISON  
Biotechnology Communications Specialist, College of Ag and Life Sciences. Bachelor's degree required. Master's highly desirable. Desirable degrees are biology or other science and/or journalism, mass communications or a related field. Closing date: September 24, 2001.

PIONEER HI-BRED INTERNATIONAL, INC.  
Technical Information Coordinator, DuPont Agriculture and Nutrition (2 positions). Location: Colorado or Ohio. Advanced degree in Agronomy or Chemistry or related field.

USDA-ARS NORTH CENTRAL SOIL CONSERVATION RESEARCH LABORATORY  
Interdisciplinary research Microbiologist/Soil Scientist, Morris, MN. Comprehensive knowledge of microbiology, microbial ecology, soil science, and statistics, along with a general knowledge of agronomy, plant physiology, biochemistry, and plant pathology; Ph.D. is desirable. Closing date: October 9, 2001.

SYNGENTA SEEDS, INC.  
Research Scientist, Maize Breeding, Brookings, S.D. Ph.D. degree in plant breeding, genetics, agronomy or related science or equivalent significant experience in plant breeding. Closing date: September 15, 2001.

**PENN STATE UNIVERSITY**

Several position openings in the area of Weed and Landscape Ecology: Post-doctoral Research Associate, Weed Ecology Technical Support, and Graduate Research Assistantship.

**SOUTH DAKOTA STATE UNIVERSITY**

Assistant Professor of Plant Science, Spring Wheat Breeding/Genetics, Brookings, SD. Ph.D. degree in agronomy or related discipline with emphasis on plant breeding/genetics. Closing date: November 1, 2001.

**UNIVERSITY OF MINNESOTA**

University Relations has two positions: Grassroots Coordinator and Communications Coordinator. Bachelor's degrees required.

# Agronomy Gleanings

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September 10, 2001

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## ANNOUNCEMENTS

Welcome to Matt Murphy, our new Computer Support Assistant, working with Mark Galatowitsch.

REMINDER—Employee Benefits informational forum on your new UPlan medical plan options, Wednesday, September 12, Noon to 1:00 p.m., St. Paul Student Center Theater.

## SEMINARS

September 12 Candidate for the USDA-ARS Research Leader position at the Cereal Disease Lab., Dr. Leonard Francl, Professor, ND State Univ., 10:30 a.m., 306 Borlaug Hall.

Candidate for Associate Dean for Academic Programs, COAFES, Dr. William G. Hendrix, Dept. of Horticulture and Landscape Architecture, Washington State Univ., "Vision and Leadership for Academic Programs in the College of Agricultural, Food, and Environmental Sciences in 2010," 11:00 a.m., St. Paul Student Center Commons Room.

WUSA (What's Up in Sustainable Agriculture), "A survey of the Sustainable Farming Association of Minnesota," by Christine Vatovec, Dept. of Agronomy and Plant Genetics, 12:00 - 1:00 PM, 306 Borlaug Hall.

September 17 Candidate for Associate Dean for Academic Programs, COAFES, Dr. Kent D. Olson, Professor, Dept. of Applied Economics, Univ. of Minnesota, "Vision and Leadership for Academic Programs in the College of Agricultural, Food, and Environmental Sciences in 2010," 11:00 a.m., St. Paul Student Center Theater.

Applied Plant Sciences (APS), Raymie Porter, N Central ROC, Grand Rapids, "Breeding Wildrice and Other Uncommon Crops in Minnesota—Today and Beyond," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

THE UNIVERSITY OF TENNESSEE  
Research Associate (M.S.)/Senior Research Assistant (B.S.), Department of Plant Sciences and Landscape Systems, Ag Experiment Station, Knoxville, TN. M.S. degree in Agronomy, Plant Sciences or related field is required for the Research Associate position; a minimum of a B.S. degree with experience in Plant Science is required for the Senior Research Assistant position. Closing date: October 1, 2001.

NORTH DAKOTA STATE UNIVERSITY  
Spring Wheat Geneticist, Department of Plant Sciences, Fargo, ND. Ph.D. in plant genetics or closely related area. Closing date: September 30, 2001.

**EPCOT, THE DISCOVERY PARK AT THE WALT  
DISNEY WORLD RESORT**

College students and recent graduates (within 6 months of Bachelors degree) to experience fun and challenging six-month internships in several different agriculture or science related areas: plant science, entomology, biotechnology, aquaculture, and biological engineering. Website [www.wdwcollegeprogram.com](http://www.wdwcollegeprogram.com).

**PURDUE UNIVERSITY**

Assistant Professor, Weed Science, Department of Botany and Plant Pathology, West Lafayette, IN. Ph.D. in weed science or a closely related discipline. Closing date: December 15, 2001.

**SOUTH DAKOTA STATE UNIVERSITY**

Research Associate I, Plant Science Dept., Brookings, SD. M.S. degree and research experience in plant breeding, plant pathology, or related fields. Closing date: September 30, 2001.

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September 17, 2001

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## ANNOUNCEMENTS

### CALL FOR PROPOSALS

North Central Integrated Pest Management (IPM)  
Letter of Intent - September 21, 2001.  
Fully Developed Proposal - November 2, 2001.  
See web site <http://www.wisc.edu/ncra/ipmrfp.htm>  
or Jeanne Davy.

The 9<sup>th</sup> Annual Kuehnast Lecture Series will be held on Friday, October 19, 2001, 3:30 p.m., Rm 335 Borlaug Hall, St. Paul Campus. The 2001 lecture will be presented by Dr. Richard Skaggs, Professor in Geography and Interim Associate Dean for Academic Programs, College of Liberal Arts, University of Minnesota. The title of his presentation is "An Idiosyncratic History of Climate."

Magrath Library -- Build your information skills this fall! These hands-on sessions are open to current faculty, staff, and students, and will be held at Magrath Library.

- Automatic E-mail Updates from Current Contents and Biosis

Tues, Sept 25, 4:00-4:30

Mon, Oct 22, 10:00-10:30

- SciFinder - Web Access to Chemical Abstracts

Mon, Oct 22, 3:00-4:00

- Electronic Journals - Tips and Tricks

Wed, Sept 26, 12:30-1:00

Mon, Oct 8, 3:30-4:00

- Organize your Personal Library with EndNote

Tues, October 23, 2:30-4:00

Please sign up at <http://www.lib.umn.edu/registration>  
Questions? Call or e-mail your nearest library or the Magrath Reference Desk at 612-624-1212 or [magrath@umn.edu](mailto:magrath@umn.edu).

A handout entitled "Tips for Travel Under Increased Security Initiatives" is available in 411 Borlaug Hall.

## SEMINARS

September 18 Plant Biological Sciences, "Splitting Hairs--the Genetics of Trichome Branching in Arabidopsis," 3:30 p.m., 335 Borlaug Hall.

September 19 WUSA (What's Up in Sustainable Agriculture), "Of swill and superbugs: antibiotic use in industrialized agriculture," by David Wallinga, Antibiotic Resistance Project Director, Institute for Agriculture and Trade Policy, 12:00-1:00 PM, 306 Borlaug Hall.

September 20 Candidate for Associate Dean for Academic Programs, COAFES, Dr. Robert J. Joly, Professor, Dept. of Horticulture and Landscape Architecture, Purdue University, 11:00 a.m., Theater, St. Paul Student Center.

September 24 Candidate for Associate Dean for Academic Programs, COAFES, Dr. Ann Hill Duin, Associate Provost and Director, Continuing Education and Communication Services, Iowa State University, 11:00 a.m., Theater, St. Paul Student Center.

September 24 Applied Plant Sciences (APS),  
Graduate Summer Course (Agro  
5310) Participants, End of Summer  
Tour Report, 3:30 p.m., 306 Borlaug  
Hall.

**POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF WISCONSIN-EXTENSION**

Agriculture Agent/Educator Rusk County.  
Bachelor's degree required, Master's degree  
preferred with preparation in an appropriate field of  
agriculture. Closing date: October 10, 2001.

MIW  
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# Agronomy Gleanings

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September 24, 2001

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## ANNOUNCEMENTS

The fifth annual Beautiful U Day 2001 is scheduled for Tuesday, September 25. Beautiful U Day will focus on creating a more welcoming University. For information, please go to [www.facm.umn.edu/bud/buday.htm](http://www.facm.umn.edu/bud/buday.htm).

Department Coffee, Friday, September 28, 3:30 p.m., 306 Borlaug Hall (following *The Power of Being Media Ready* seminar). Everyone invited! Sponsored by Northrup King Development Committee.

Congratulations to Jianming Yu. On September 12 he learned that two separate articles that he had co-authored had both been published in professional journals. Jianming is a Ph.D. student in Applied Plant Sciences with Rex Bernardo. The two article references are:

Yu, J. and M.R. Tuinstra. 2001. Genetic analysis of seedling growth under cold temperature stress in grain sorghum. *Crop Sci.* 41:1438-1443.

Yu, J., H. Lu, and R. Bernardo. 2001. Inconsistency between SSR groupings and genetic backgrounds of white corn inbreds. *Maydica* 46:133-139.

Congratulations to Lee Hardman on the publication of "Food for Life." This publication from the Minnesota Agricultural Experiment Station communicates results of years of research across several departments including Agronomy. Lee and David Hansen have done an excellent job on this beautiful publication.

Parking permit sublet available for this winter (November 3, 2001 to March 31, 2002) in Lot SC 105 (next to greenhouses). Call Hans Jung at 5-8291 if interested (first person changed mind).

## SEMINARS

September 25 Weed Science, 12:00 p.m.-2:00 p.m., 306 Borlaug Hall. Julio Scursoni, "Population biology of wild oat in small grain crops," PhD candidate and instructor in the Faculty of Agronomy, University of Buenos Aires, Argentina; and Rikke Klith Jensen, "Canada thistle shoot phenology: a universal model using heat sums," PhD candidate at the Royal Vet. & Agric. University, Copenhagen; Danish Institute of Agricultural Sciences, Flakkebjerg, Denmark.

September 28 Special Seminar, "The Power of Being Media Ready," by Donna Schmidt Moening, Agricultural Communications Consultant, 2:30 p.m., 306 Borlaug Hall. Everyone invited! Sponsored by Northrup King Development Committee.

October 1 APS, Jianming Yu, "Applications of Neural Networks in Biology and Agriculture," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### MONTANA STATE UNIVERSITY

Assistant Professor of Plant Pathology, Department of Plant Sciences and Plant Pathology, Bozeman. Ph.D. in Plant Pathology or equivalent. Closing date: December 21, 2001.

**SOUTH DAKOTA STATE UNIVERSITY**

County Extension Educator, Agronomy. Earned Bachelor's Degree in Agriculture with a major in an agricultural field including course work and/or experience in agronomy. Closing date: October 12, 2001.

**COLORADO STATE UNIVERSITY**

Research Associate, Potato Breeding and Selection Program, San Luis Valley Research Center, Department of Horticulture and Landscape Architecture. B.S. or M.S. in horticulture or agronomy, or other closely related plant science discipline. Closing date: October 15, 2001.



MIW  
Ag86a

# Agronomy Gleanings

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October 1, 2001

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## ANNOUNCEMENTS

The Agronomy and Plant Genetics Fall Social will be held Friday, October 12, 3:00-4:30 p.m. in 306 Borlaug Hall. This is an annual event at which we take the opportunity to introduce new faculty, staff, and students who have joined the department during the past year. Please join us.

The Department of Plant Pathology E.C. Stakman Award Lecture, "Recent Developments in Soil Solarization and Biofumigation," by Dr. James E. DeVay (E.C. Stakman Award Recipient), Professor Emeritus, Univ. of California, Wednesday, October 17. Reception will be at 3:15 p.m., 306 Borlaug Hall and Lecture at 4:00 p.m., 306 Borlaug Hall.

The North Central Soybean Research Program (NCSRP) is seeking research preproposals for fiscal year 2002. The due date is 10/29/01. See Jeanne for details.

COAFES Workshop Series, Intellectual Property and the New Sciences: Plants, Animals, and Issues of Ownership in the 21<sup>st</sup> Century. Workshop I: Intellectual property and plant sciences, Wednesday, November 14, 2001, 8:00 a.m.-12:00 noon, 156 Earle Brown Center. If you wish to attend, please RSVP to Elizabeth Soucy ([esoucy@umn.edu](mailto:esoucy@umn.edu)) no later than Friday, November 9.

University of Minnesota, Statistical Consulting Service, 146 ClaOff, St. Paul, 625-3121. The Statistical Consulting Service provides statistical consulting on experimental design, data analysis and interpretation of results to researchers at the University of Minnesota, generally without charge. For more information: <http://www.stat.umn.edu>.

## SEMINARS

October 2 Plant Biological Sciences Colloquium, "Molecular Genetic Interactions Between Wheat and *Fusarium graminearum*," Dr. Gary Muehlbauer, Dept. of Agronomy and Plant Genetics, 3:30 p.m., 335 Borlaug Hall.

October 3 Horticultural Science, "Transgene locus formation in plants genetically engineered using microprojectile bombardment," Dr. Dave Somers, Dept. of Agronomy and Plant Genetics, 3:30-4:30 p.m., Room 310 Alderman Hall.

October 8 Applied Plant Sciences (APS), Bill Peters, Graduate Student, "To be announced," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY  
Research/Extension Faculty appointment in Woody Ornamental Plant Material, John C. Pair Research/Extension Center, Wichita, Kansas. Ph.D. in horticulture with an emphasis in woody plant materials. Qualifications to be appointed at the Assistant/Associate Professor rank. Closing date: November 1, 2001.

**PURDUE UNIVERSITY**

USDA, ARS has two permanent, full-time vacancies in the general area of Wheat Genomics located in the Crop Production and Pest Control Research Unit at Purdue University, West Lafayette, Indiana. Research Geneticist (Plants), GS-12/13, closing date: November 2, 2001. Geneticist (Plants), GS-11, closing date: October 5, 2001.

# Agronomy Gleanings

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October 8, 2001

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## ANNOUNCEMENTS

### Driver Training-Classroom

On August 21, forty-two people attended the first classroom training for University drivers. Evaluations were excellent—the only complaint was that the class ran into the lunch hour. Future classes will start at 8:30 a.m. and be done by noon.

The Vehicle Loss Control Board decided to offer classroom driver training to all departments on the Twin City Campus due to the increase in vehicle accidents of TC Campus drivers. Departments are required to send a minimum of one driver per vehicle this fiscal year. Departments with ten vehicles will need to send ten drivers; departments with one vehicle but ten drivers only need to send one driver. Departments can send more than one driver if they choose. The training is free for the first driver and \$12 for additional drivers. After this year, departments will be required to send one driver per vehicle every other year. The training will change from year to year so drivers will not get the same training every time they attend.

If a department fails to send the required number of drivers to training, their deductible in an accident will be double the normal amount. This would make their deductible \$1,000 instead of \$500. This training applies to all departments with an owned or leased vehicle. At present, it does not apply to departments that only rent vehicles.

The dates are: September 18, 2001, October 16, 2001, November 20, 2001, December 18, 2001, January 15, 2002, February 19, 2002, March 19, 2002, April 16, 2002, May 21, 2002, June 18, 2002, July 16, 2002, August 20, 2002.

To register, call Stephanie Rodriguez at 5-8589 or e-mail her at [rodri029@umn.edu](mailto:rodri029@umn.edu). To register you will need: driver name, department, vehicle number and phone number. Attendance per session is limited to 45. Call early as 450 people need to attend training in the first year.

Department Fall Social, Friday, October 12<sup>th</sup>, 3:00-4:30 p.m., 306 Borlaug Hall. Everyone is welcome. Come and enjoy delicious treats and meet staff, students, and faculty new to the department since last fall. \$2.00 donation (free to new faculty, staff, and students).

Ron Phillips is senior editor of revised, 2<sup>nd</sup> edition *DNA-Based Markers in Plants* published by Kluwer Academic Publishers in the Netherlands.

University of Minnesota's Annual Community Fund Drive provides a convenient way for University of Minnesota employees to give back to their community on local, national and international levels. Please consider participating. If you have questions regarding the Community Fund Drive, please visit the website at <http://www1.umn.edu/cfd/> or contact Sarah Osgood at 612-625-6710 or [sosgood@umn.edu](mailto:sosgood@umn.edu).

## SEMINARS

October 9 Plant Biological Sciences Colloquium, "Arabidopsis cryptochromes and light signaling in plants," Dr. Chentao Lin, Dept. of Molecular, Cell and Development Biology, UCLA, 3:30 p.m., 335 Borlaug Hall.

October 10 What's Up in Sustainable Agriculture (WUSA), Ray Kirsch, Land Stewardship Project/Midwest Food Alliance, "The Midwest Food Alliance: promoting sustainability and community health through eco-labeling," 12:00 noon, 306 Borlaug Hall.

- October 15 Applied Plant Sciences (APS), Marcelo Pacheco, APS Graduate Student, "Partial oat crown rust resistance: selection progress and mapping in two recurrent selection populations," 3:30 p.m., 306 Borlaug Hall.
- October 17 E.C. Stakman Award Lecture, Dr. James E. DeVay, "Recent Developments in Soil Solarization and Biofumigation," 4:00 p.m., 306 Borlaug Hall. Reception at 3:15 p.m. in 306 Borlaug Hall.
- October 19 The 9<sup>th</sup> Annual Kuehnast Lecture Series, Dr. Richard Skaggs, Professor in Geography and Interim Associate Dean for Academic Programs, College of Liberal Arts, Univ. of Minnesota, "An Idiosyncratic History of Climate," 3:30 p.m., 335 Borlaug Hall.

#### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

##### **UNIVERSITY OF ARIZONA**

Assistant/Associate/Full Specialist, Vegetable Crops, Department of Plant Sciences, Yuma Agricultural Center. Ph.D. in horticulture, crop sciences or a closely related field with an emphasis in the physiology of vegetable crops. Closing date: November 1, 2001.

##### **PIONEER HI-BRED INTERNATIONAL, INC.**

Product Advancement Trial Intern, reports to Research Manager and Field Sales Agronomist, Product Characterization and Commercialization departments. Educational qualifications desired: enrollment in agriculturally-related degree program desirable but not essential.

##### **PIONEER HI-BRED INTERNATIONAL, INC.**

Senior Research Scientist, Early Maturity - Product Characterization and Commercialization department, Mankato, Minn. Ph.D. in biological sciences with expertise in agronomy, plant breeding, or statistics.

##### **WARTBURG COLLEGE**

Instructor/Assistant/Associate Professor of Biology. Required: ABD by September 2002 in Science Education or related field (Ph.D. required for appointment at the rank of Assistant Professor); three years experience teaching K-12 science. Closing date: November 15, 2001.

##### **PURDUE UNIVERSITY**

Lab technician to implement laboratory and field molecular genetics experiments (to include DNA and RNA extractions, PCR, cloning, DNA sequencing). Bachelor's degree or higher with experience in a biology (or related) laboratory (beyond coursework).

##### **MINNESOTA DEPARTMENT OF AGRICULTURE**

Agriculture Diversification/Sustainable Agriculture Specialist, The Energy and Sustainable Agriculture Program (ESAP), St. Paul, MN. Bachelor's degree in agricultural or environmental sciences with emphasis in agronomy, soil science, horticulture, sustainable agriculture or other related science.

##### **NORTH CAROLINA DEPARTMENT OF AGRICULTURE**

Organic Unit Farm Manager and On-Site Internship Coordinator Center for Environmental Farming Systems, Cherry Farm, Goldsboro, NC. B.S. degree and formal training in the agricultural, biological, or environmental sciences is required; an M.S. degree is preferred but not required. Closing date: November 1, 2001.

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October 15, 2001

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## ANNOUNCEMENTS

American Society of Agronomy Meetings, October 21-25, 2001, Charlotte, NC.

Don Rasmusson had a mild stroke on Tuesday, October 9th. He returned home from the hospital Friday and is doing very well. He hopes to make a full recovery.

Don Ralston's father passed away last week. The funeral services were held in Wisconsin.

2003 ASA/CSSA/SSSA Congressional Science Fellowship Program. Applications are currently being accepted for the program. The deadline is March 2002 and the procedures for application are available on the ASA, CSSA and SSSA web sites.

### Additional Recycling Guidelines:

- Any bound material (magazines, hard and soft cover books, catalogs, journals, phone books, etc.) may be placed in the gold-lidded newspaper recycling containers.
- Dark or bright colored papers cannot be recycled.
- Plain white or pastel envelopes can be recycled as long as they don't have plastic or metal embossing or self-adhesive closures. Tyvek (a non-woven plastic fiber) envelopes cannot be recycled. If you have questions, call Waste Management at 612-625-6481 or [www.umn.edu/recycle/recycle.html](http://www.umn.edu/recycle/recycle.html).

One bedroom apartment for rent starting November 1st, 2001, ~ \$575/month. Located in St. Anthony Park, two blocks south from Como Avenue, 15-minute walk to St. Paul Campus. Call August (manager) at 651-641-7560.

## SEMINARS

October 17 WUSA (What's Up in Sustainable Agriculture?), "Growth and Change in Organic Food Markets," Luanne Lohr, School of Agriculture Endowed Chair in Agricultural Systems, Dept. of Applied Economics, 12:00 noon, 306 Borlaug Hall.

October 17 E.C. Stakman Award Lecture, Dr. James E. DeVay, "Recent Developments in Soil Solarization and Biofumigation," 4:00 p.m., 306 Borlaug Hall. Reception at 3:15 p.m. in 306 Borlaug Hall.

October 18 Biotechnology Institute, "Cloning, Analysis, and Manipulations of a 125 KB Biosynthetic Gene Cluster for the Antibiotic Nystatin in *Streptomyces Noursei*," Dr. Trygve Brautaset, Postdoc in Molecular Biology, Norwegian University of Science and Technology, 3:30 p.m., 239 Gortner Labs.

October 19 The 9<sup>th</sup> Annual Kuehnast Lecture Series, Dr. Richard Skaggs, Professor in Geography and Interim Associate Dean for Academic Programs, College of Liberal Arts, Univ. of Minnesota, "An Idiosyncratic History of Climate," 3:30 p.m., 335 Borlaug Hall.

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# Agronomy Gleanings

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PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
October 22, 2001

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## ANNOUNCEMENTS

University of Minnesota Employee Health and Benefits Fair, Making Smart Choices, Tuesday, October 23, North Star Ballroom, St. Paul Student Center, 10:00 a.m. - 3:00 p.m. with Investment sessions 11:30 a.m. - 1:00 p.m., Theater, St. Paul Student Center.

"Passport to Earth Summit 2002: Exploring Sustainable Development," an 8-part lecture series focusing on sustainable development practices and local, national, and international action. The first event is a public lecture by Dr. Richard B. Norgaard, president of the International Society for Ecological Economics and a professor at the University of California-Berkeley, Thursday, November 1, 2001, 5:30-7:30 p.m., West Bank Auditorium, lower level Willey Hall.

## SEMINARS

October 23 Plant Biological Sciences Colloquium, Dr. Gabriella Endre, Dept. of Plant Biology, Univ. of Minnesota, "Genetics and genomics of early events leading to nitrogen-fixing symbiosis on legume roots," 335 Borlaug Hall, 3:30 p.m.

October 24 WUSA, No Seminar, ASA/CSSA/SSSA meetings, Charlotte, NC.

Horticulture Seminar Series, "Engineering alfalfa for aluminum tolerance," Deborah Samac, USDA Agricultural Research Service, Plant Science Research and Department of Plant Pathology, Univ. of Minnesota, 310 Alderman Hall, 3:30 p.m.

October 29 Applied Plant Sciences (APS), No Seminar, Prelim Exam Discussion.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### CALIFORNIA POLYTECHNIC STATE UNIVERSITY

Biological Sciences Department, Plant Physiologist, San Luis Obispo, Calif. Ph.D. or equivalent required at time of hiring. Postdoctoral or equivalent experience desirable. Review of applications conducted October 2001 through December 1, 2001.

### NEW MEXICO STATE UNIVERSITY

Assistant Professor of Horticulture, Las Cruces, New Mexico. Ph.D. in horticulture or closely related discipline with preferred background in vegetable physiology. Closing date: December 20, 2001.

October 22 Applied Plant Sciences (APS). No  
Seminar--American Society of  
Agronomy Meetings.

### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

#### **PIONEER HI-BRED INTERNATIONAL, INC.**

Research Associate, Analytical Biochemistry  
Department, Johnston, Iowa. M.S. degree or  
equivalent in Molecular Biology or related field, or  
a B.S. degree plus at least 4 years of relevant  
laboratory experience.

#### **UNIVERSITY OF NEBRASKA-LINCOLN**

Postdoctoral Research Soil Scientist, Site-Specific  
Management, Dept. of Agronomy and Horticulture.  
Ph.D. in soils, agronomy, or a related field and a  
demonstrated ability to publish original research.  
Closing date: November 15, 2001.

#### **PENNSYLVANIA STATE UNIVERSITY**

Assistant/Associate Professor, Environmental Soil  
Chemistry, Dept. of Crop and Soil Sciences,  
University Park, PA. Ph.D. in Soil Science,  
Agronomy, Geochemistry, or closely related field.  
Closing date: November 16, 2001.

#### **KANSAS STATE UNIVERSITY**

Graduate Research Assistant, Weed Science/Water  
Quality, Dept. of Agronomy, Manhattan, KS. B.S.  
degree in agronomy, soils, or biology, or other  
plant-related discipline. Closing date: December 1,  
2001.

#### **NORTH DAKOTA STATE UNIVERSITY**

Assistant/Associate Professor, Woody Plant  
Physiology and Biotechnology, Dept. of Plant  
Sciences, Fargo, ND. Ph.D. in horticulture, forestry,  
or related plant science. Closing date: November 19,  
2001.

#### **MICHIGAN STATE UNIVERSITY**

Two postdoctoral positions available in the area of  
oilseed metabolism and genetic engineering.  
Candidates with strong backgrounds in biochemistry  
and/or molecular biology are encouraged to apply.

MIW  
Ag 860a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota

411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108

PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL [agro@coafes.umn.edu](mailto:agro@coafes.umn.edu)

October 29, 2001

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 resources upon which agriculture depends.

## ANNOUNCEMENTS

Get Well Wishes! Dr. Robert Robinson, professor emeritus, is recuperating from a back injury.

Lu Oliveira, a visiting scientist in our Department, just launched his latest book in Brazil last week titled "Simplified Biotechnology" (249 pages). While working in Dave Somers' lab on his "Gene silencing" project, Lu also published the book "Gene Escape & Transgenics" (206 pages) and also the 3<sup>rd</sup> edition of "Plant Breeding" (500 pages). They are in Portuguese, but if you are interested in seeing them, they will be in the main office for a few days. The Magrath Library also has a copy of Lu's books.

Graduate students, get up to speed on new library resources: How do I find electronic journals? Which indexes covering my field are the most up to date? The most comprehensive? Can I receive automatic updates on my research topic? Attend a hands-on session at Magrath Library to learn answers to these questions and more. Those students who are new to the University are invited to come for a short overview of resources before the advanced session begins. St. Paul Graduate Student Library Orientation:

- Monday, November 5

2:30-4:30 - for those new to the U

3:00-4:30 - for advanced graduate students

- Tuesday, November 13

1:00-3:00 - for those new to the U

1:30-3:00 - for advanced graduate students

Register at <http://www.lib.umn.edu/registration/>  
Questions? Contact Magrath Reference Desk at [magrath@umn.edu](mailto:magrath@umn.edu) or 612-624-1212. Library staff will be happy to customize a session for groups of students in departments or colleges.

The six new strategic priorities for the College of Agricultural, Food and Environmental Sciences are: promoting safe and healthy foods; improving environmental quality; enhancing agricultural systems; revitalizing Minnesota's rural communities; serving urban communities; and the overarching priority of emphasizing an exemplary education. To learn more about the College's new priorities, please visit [www.coafes.umn.edu](http://www.coafes.umn.edu).

Road Restrictions and Closures. Construction on the Microbial and Plant Genomics building has commenced. The excavation requires an 18-foot deep extension outside the foundations of the building. This excavation will restrict or close access to Dudley Avenue from Gortner Avenue. The construction excavation may affect Gortner at times, but only one lane maximum would be closed. The closing of a lane of Gortner Avenue will only happen with notice to Parking and Transportation. The excavation in this area will commence October 29 and be completed by November 9. Hendon Avenue is closed from Gortner to Minnesota Crop Improvement Association loading dock. This road closure is permanent. Construction fencing will be installed to secure the site this week. Please contact John L. Monnens if you have questions (5-7711).

## SEMINARS

October 30 Plant Biological Sciences Colloquium, Thesis proposal, "The effects of long-term fertilization on the mycorrhizal communities of an oak savanna," Pete Avis, Dept. of Plant Biology, Univ. of Minn., 335 Borlaug Hall, 3:30 p.m.

October 31 WUSA, Canceled.



- October 31 Horticulture, "Cytokinins, Cell Cycle and DNA Endoreduplication in Maize," Gerard Engelen-Eigles, Dept. of Horticultural Science, Univ. of Minn., 310 Alderman Hall, 3:30 p.m.
- November 2 Plant Biological Sciences Colloquium, Special Seminar, "Photoperiod, circadian rhythms and the regulation of flowering," Dr. Rick Amasino, Dept. of Biochemistry, Univ. of Wisconsin, 335 Borlaug Hall, 3:30 p.m.
- November 5 Applied Plant Sciences (APS), Nadilia Gomez, APS Graduate Student, "Early detection of invasive potential in an ornamental breeding program," 306 Borlaug Hall, 3:30 p.m.

### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### USDA-ARS UNIVERSITY OF MINNESOTA

Postdoctoral position investigating functional genomics of microbial interactions with the model legume *Medicago truncatula*, Plant Science Research Unit, St. Paul, MN. Ph.D. in Plant Biology or a related biological science is required. See [www.afm.ars.usda.gov/divisions/hrd/hrdhomepage.html](http://www.afm.ars.usda.gov/divisions/hrd/hrdhomepage.html) for more information.

#### UNIVERSITY OF MISSOURI, LINCOLN

Agronomy Specialist, Outreach & Extension, headquartered in Knox County, Edina, MO. Earned masters degree in agronomy and/or soil science. Closing date: November 28, 2001.

#### UNIVERSITY OF MISSOURI, LINCOLN

Agronomy Specialist, Outreach & Extension, headquartered in Pemiscot County, Caruthersville, MO. Earned masters degree in agronomy and/or soil science. Closing date: November 28, 2001.

MIW  
Ag86a

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
November 5, 2001

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## ANNOUNCEMENTS

Department Coffee, Friday, November 9, 9:30 AM, 306 Borlaug Hall. Everyone invited! Sponsored by Northrup King Development Committee. Featuring several roasts of coffee from the Velasquez Family Farm in Honduras provided by our own Guillermo Velasquez.

Don Rasmusson is doing very well. They see no change in his health and he is going about life the same as always. He appreciates all the cards and calls he has received from department members.

Congratulations! Vern Cardwell was the recipient of the COAFES Alumni Society's 2001 Distinguished Faculty Award presented at this year's Harvest Bowl Breakfast, Saturday, October 20.

The Sloppy Joe Lunch is scheduled for Monday, November 19 at 11:45 a.m. in 306 Borlaug Hall. Cost is \$4.00. Raffle tickets can be purchased from graduate students. Dessert donations are welcome.

Mark your calendars for a Special Seminar on Effective Interviewing and Resume Writing by Ron Thielen, "retired" Director of Human Resources with Syngenta. This seminar will be held Tuesday, November 13 from 3:00-4:30 in 306 Borlaug Hall. Refreshments will be served. Sponsored by the Northrup King Development Committee.

Safety and Security Forum for Students, Faculty, and Staff. The St. Paul Campus forum will be held Thursday, November 8, 1:00-2:00 p.m., St. Paul Student Center, Northstar Ballroom.

## 21<sup>st</sup> Annual Crop Pest Management Short Course.

The Crop Pest Management Short Course is scheduled for November 19-20 at the Earle Brown Continuing Education Center. This year the morning general session will address Soybean Aphid with invited speakers from Iowa State University and University of Wisconsin. The morning session will conclude with a panel discussion of the morning speakers and questions from the audience. Brochures describing the entire two-day program are available in the Agronomy main office or you can contact Kevin Cavanaugh in Hayes Hall Rm A203. Graduate students interested in attending should contact Kevin for special registration procedures.

## SEMINARS

November 5 Applied Plant Sciences seminar is CANCELED. It will be rescheduled for a later date.

November 6 Plant Biological Sciences Colloquium, Dr. Joanne Chory, Plant Biology Laboratory, Howard Hughes Medical Institute, "Light, brassinosteroids, and Arabidopsis development," 3:30 p.m., 335 Borlaug Hall.

November 7 What's Up in Sustainable Agriculture? (WUSA), Vincent Garry, Dept. of Laboratory Medicine and Pathology, "Cancer, cardiovascular disease, birth defects in the Red River Valley: the pesticide connection," 12:00 noon, 375 Borlaug Hall.

November 12 Applied Plant Sciences (APS), Bill Wingbermuehle, APS Graduate Student, "Ancient Mayan Agriculture," 3:30 p.m., 306 Borlaug Hall.

### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

#### **COLORADO STATE UNIVERSITY**

Research Scientist/Extension Specialist, Potato Production and Management, San Luis Valley Research Center. Ph.D. in horticulture or other closely related plant science discipline is required, with a strong plant physiology background. Closing date: January 15, 2002.

#### **UNIVERSITY OF KENTUCKY**

Assistant Extension Professor of Agronomy, Lexington, KY. Ph.D. in Agronomy, Crop Science, Plant Science, or a closely related academic area. Closing date: February 4, 2002.

#### **NORTH DAKOTA STATE UNIVERSITY**

Postdoctoral scientist in the Dept. of Plant Sciences, Fargo, ND. Conduct molecular genetic and structural genomic analysis in wheat. Closing date: November 12, 2001 or until filled.

#### **SIGMA XI, GRANTHAM GRIFFIN & BUCK, INC.**

Executive Director for a leading international scientific society headquartered in the Research Triangle Park, North Carolina.

MIW  
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# Agronomy Gleanings

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November 12, 2001

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## ANNOUNCEMENTS

Thanksgiving Holiday, Thursday, November 22 and Floating Holiday, Friday, November 23. University offices will be closed.

The Sloppy Joe Lunch is scheduled for Monday, November 19 at 11:45 a.m. in 306 Borlaug Hall. Cost is \$4.00. Raffle tickets can be purchased from graduate students. Dessert donations are welcome.

Congratulations! Don and Bonnie Ralston have a new grandson, Jacob Donald Ralston. Jacob was born October 30, weighing 8 lbs, 1 oz. Parents are Matthew and Jenelle and sister, Zoey, is two years old.

Agronomy and Plant Genetics 2001 Scholarship and Fellowship award recipients are:

Undergraduate--

Joel Dorn, *MCIA-Ward H. Marshall Scholarship*;  
Mitchell Burfeind, Brent Kelsey, *Howard C.*

*Abraham Merit Scholarship*;

Sarah Kaping, *Clifford Christenson Scholarship*;

Christopher Ovrebo, *W.M. Myers Scholarship*;

Adam Jones, *Edgar Hartwig Scholarship*;

Stephanie Leuer and Sara Mursky-Fuller, *Oliver E.*

*Strand Merit Scholarships*;

Mark Bents, Sara Mursky-Fuller, Brady Gramm,

Jolen Keim, Erik Nelson, Amber Drown, Kim

Swanson, Marsha Jensen, Robert Schieber, Jason

Runck, *Robert G. Robinson Scholarships*.

James Christensen, *Laddie J. Elling Scholarship*;

Robby Vetter, *Lawrence H. Smith Scholarship*;

Mark Bents, *Bert Enestvedt Scholarship*.

Graduate--

Sam Hutton, *Jean W. Lambert Fellowship*;

Martin Arbelbide, David Bowen, Marcelo Pacheco,

*Pioneer Fellowship*;

Federico Condon, Mike Pumphrey, *Don and Carol*

*Rasmusson Fellowship*;

Jianming Yu, *Troyer/Darwin Fellowship*.

Coffee for Mike Schmitt. The Department of Soil, Water and Climate is hosting a coffee in honor of Mike Schmitt being elected as Fellow in the American Society of Agronomy. The coffee will be Tuesday, November 13th, 10:15 a.m., S415 Soils Building.

University of Minnesota Recognition Reception for International Faculty, Scholars, and Staff. The Office of International Programs, International Student and Scholar Services, and the Minnesota International Center cordially invite visiting international faculty, scholars, and staff to a reception in their honor. Mentors, departmental sponsors, and spouses are also welcome. Thursday, November 15, 2001, 4:30 to 6:30 p.m. (program remarks at 5:00 p.m.), Atrium, Hubert H. Humphrey Center, Minneapolis Campus. Please call 612-625-2936 by Monday, November 12, if you plan to attend.

MEDICAL OPTIONS: You MUST choose a new medical plan option for 2002 and submit an Application for Coverage by November 15! Please remember that ALL current state insurance plan medical plans (this includes HealthPartners Classic and PreferredOne) and your current medical ID card terminate on December 30, 2001. The new UPlan medical options are effective December 31, 2001. In order to insure that you will have your new medical ID card at the time that your new medical option becomes effective, we encourage you to review your medical plan options carefully and submit your Application for Coverage as soon as possible before the November 15 deadline.

## SEMINARS

- November 13 Special Seminar, "Effective Interviewing and Resume Writing," by Ron Thielen, "Retired" Director of Human Resources with Syngenta, 3:00 p.m., 306 Borlaug Hall. Refreshments will be served. Sponsored by the Northrup King Development Committee.
- November 14 What's Up in Sustainable Agriculture (WUSA), Nigatu Tadesse, "The University of Minnesota Farm Incubator Program," 12:00 noon, 306 Borlaug Hall.
- November 15 Special Seminar, "Natural Systems Agriculture: Past, Present, Future," Wes Jackson, The Land Institute, 3:00 p.m., 110 Green Hall.
- November 16 Special Discussion, "A Collaborative Research Agenda for Natural Systems Agriculture," a discussion with Stan Cox, senior scientist, and Wes Jackson, president and founder, The Land Institute, 9:00 a.m.-11:00 a.m., 306 Borlaug Hall.
- November 19 Applied Plant Sciences, Luis Moreno-Alvarado, APS Graduate Student, "Broad-based approaches to invasive plant management," 3:30 p.m., 306 Borlaug Hall.
- November 20 Special Seminar, Evans Lagudah, CSIRO, "Plant defense genes in the wheat genome," 10:30 - 11:30 a.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF KENTUCKY

Assistant Professor of Agronomy, Agricultural Soil Management, Department of Agronomy, Lexington, KY. Ph.D. in Agronomy, Soil Science, or a related discipline. Closing date: January 14, 2002.

### THE UNIVERSITY OF TENNESSEE

#### AGRICULTURAL EXTENSION SERVICE INSTITUTE OF AGRICULTURE

Assistant/Associate Professor, Tobacco Production, Department of Plant Sciences and Landscape Systems, Knoxville, TN. Earned doctorate in Agronomy, Crop Science or a closely related plant discipline. Closing date: February 1, 2002.

### NEW MEXICO STATE UNIVERSITY

Assistant Professor of Agronomy, Agronomy and Horticulture Department, Las Cruces, NM. Ph.D. in Plant Breeding, Plant Genetics, Agronomy or related discipline. Closing date: January 20, 2002.

### AGRACETUS, MONSANTO COMPANY

Researcher, Middleton, WI. B.S. degree with a minimum 5 years experience in a biological science discipline working with monocot grain crops, tissue culture and transformation work in a production setting. M.S./Ph.D. degree with 1-2 years relevant experience will also be considered. Closing date: December 3, 2001.

### UNIVERSITY OF WISCONSIN-PLATTEVILLE

Associate Professor/Professor, Director of the School of Agriculture. Doctorate in agriculture, environmental science or related field. Closing date: December 15, 2001.

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Ag86a

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November 19, 2001

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## ANNOUNCEMENTS

**Thanksgiving Holiday**, Thursday, November 22 and Floating Holiday, Friday, November 23. University offices will be closed.

**Department Coffee**, Wednesday, December 5 at 9:30 a.m. in 306 Borlaug Hall. Everyone invited! Sponsored by the Northrup King Development Committee. Hosted by the Oat Project.

**Our condolences** to Charles Brown whose mother, Betty, passed away November 9th. (Charles is the owner of Brown Seed Co. in Prescott, Wisc.). Funeral services were Thursday, November 15th, in Red Wing.

**The North Dakota Soybean Council** is seeking project proposals that are supportive of the Council's FY2003 strategic plan initiatives. Twenty copies of proposals must be submitted to the NDSC office by January 16, 2002. See Jeanne for RFP.

**Shipping seed.** The ASTA (American Seed Trade Association) has been informed that the United States Postal Service plans to irradiate letters and perhaps packages to kill anthrax spores. The dosage they will probably use will kill seeds. It is strongly suggested that no seed be shipped through the US Postal system at this time. FedEx, DHL, and UPS should be used for ALL samples, trials, and research seed packets.

## SEMINARS

November 20 **Special Seminar**, Evans Lagudah, CSIRO, "Plant defense genes in the wheat genome," 10:30 - 11:30 a.m., 306 Borlaug Hall.

November 20 **Plant Biological Sciences Colloquium**, Dr. Philip Becraft, Depts. of Zoology and Genetics/ Agronomy, Iowa State Univ., "Signal transduction and cell fate specification in maize endosperm development," 3:30 p.m., 335 Borlaug Hall.

November 26 **Applied Plant Sciences (APS)**, Ebandro Uscanga-Mortera, APS Graduate Student, "Effect of planting date on growth and fecundity of *Amaranthus* spp.," 3:30 p.m., 306 Borlaug Hall.

November 29 **Master's Defense**, Jenipher Bisikwa, "Effects of crop canopy architecture on growth and development of wild proso millet and giant foxtail," 10:00 a.m., 375 Borlaug Hall.

## **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

### **NORTH DAKOTA STATE UNIVERSITY**

Post-doctoral scientist to conduct research on germplasm enhancement of wheat, Dept. of Plant Sciences, Fargo, ND. Ph.D. in plant science with training in tissue culture; knowledge of molecular techniques; and research experience in plant tissue culture and biotechnology. Closing date: November 30, 2001.

### **PIONEER HI-BRED INTERNATIONAL, INC.**

Professional Research Intern to manage yield test plot at a PCC research facility, Soybean Breeding, Waterloo, Iowa. Minimum of two years of college majoring in an agricultural related field, enrolled in the college/university of their choice the semester following the end of this internship.

### **RESOURCES FOR THE FUTURE**

Food Safety Research Associate, Food System Program, Washington, DC. Master's or higher degree in public health, food science, risk assessment, or other disciplines related to food safety.

# Agronomy Gleanings

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November 26, 2001

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## ANNOUNCEMENTS

**Best Wishes for a Speedy Recovery** to Mary Lambert who fell and broke her hip this past weekend. She had surgery at United Hospital and will be going to a rehabilitation facility to recuperate.

**Director of Minnesota Institute for Sustainable Agriculture (MISA) Interview Schedule**, Wednesday, December 12, 2001, 306 Borlaug Hall:

9:00 a.m.-10:30 a.m., Nick Jordan

11:00 a.m.-12:30 p.m., Deon Stuthman

1:30 p.m.-3:00 p.m., Bill Wilcke

3:30 p.m.-5:00 p.m., Helene Murray

Candidates will present their "Vision for Sustainable Agriculture and MISA" followed by a discussion with faculty, staff, students, the MISA Board, and the Sustainers' Coalition.

**Thank you.** The APS Grad Club would like to thank everyone who came out and supported the Annual Sloppy Joe Lunch and Turkey Raffle. The turkey raffle winners were Marcelo Pacheco and Ed Schiefelbein!

**Hope from Rural Minnesota—The Perfect Holiday Gift.** *Renewing the Countryside* is a beautiful, inspiring book that tells 43 stories of Minnesotans protecting the environment and promoting our rural communities through innovative businesses and community projects. This powerful journey through Minnesota's landscape is full of incredible photographs and stories of hope and renewal. Single copies are \$29.95 + tax (softcover) and \$39.95 + tax (hardcover), postage included. You can order by calling toll-free at 1-866-378-0587 or at [www.mncountryside.org](http://www.mncountryside.org). There is a copy in the MISA office if anyone would like to check it out.

## SEMINARS

November 27 **Plant Biological Sciences Colloquium**, Dr. Sarah Mathews, Univ. of Missouri, "Adaptive evolution in the photosensory domain of phytochrome A in early angiosperms," 3:30 p.m., 335 Borlaug Hall.

November 28 **What's Up in Sustainable Agriculture?** (WUSA), Jen Blecha, Dept. of Geography, "Farming the City: The Status of Urban Agriculture in Vancouver, Canada," 11:45 a.m. (note time change), 306 Borlaug Hall.

**MISA & COAFES**, "Old MacDonald Goes to Washington: The 2002 Farm Bill," David Minge, 1:30 p.m., 306 Borlaug Hall.

**Horticulture**, Mary Meyer, Dept. of Horticultural Science, Univ. of Minnesota, "Is *Myscanthus* an Invasive Plant?", 3:30 p.m., 310 Alderman Hall.

November 29 **Master's Defense**, Jenipher Bisikwa, "Effects of crop canopy architecture on growth and development of wild proso millet and giant foxtail," 10:00 a.m., 375 Borlaug Hall.



November 29 **Molecular Biology**, Mark O'Brian, Dept. of Biochemistry, State Univ. of New York at Buffalo, "Genetic and Metabolic Control of Heme Biosynthesis," 3:30 p.m., 239 Gortner Labs.

December 3 **Applied Plant Sciences (APS)**, Jimmy Byun, APS Graduate Student, "The production of vaccines in transgenic plants," 3:30 p.m., 306 Borlaug Hall.

### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF MISSOURI DELTA CENTER**  
Research Associate, Weed Science. Experience with applied field research in Weed Science and crop agriculture. Closing date: December 7, 2001.

**SOUTH DAKOTA STATE UNIVERSITY**  
County Extension Educator, Agronomy, Sully County, Onida, SD. Bachelor's degree in agriculture with a major in an agricultural field including course work and/or experience in agronomy. Closing date: December 13, 2001.

**UNIVERSITY OF MISSOURI-COLUMBIA**  
Crop Scientist, Assistant Professor, Dept. of Agronomy, Plant Sciences Unit. Ph.D. in Agronomy, Crop Science, or a closely related area. Closing date: March 1, 2002.

**UNIVERSITY OF MINNESOTA**  
Graduate Research Assistant. The Minnesota Center for Survey Research (MCSR) is a full service survey organization specializing in telephone and mail surveys for improving public policy in Minnesota. U of M registered graduate student for the duration of the appointment as required by the University. Closing date: December 7, 2001 at 4:30 p.m.

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# Agronomy Gleanings

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December 3, 2001

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## ANNOUNCEMENTS

**Update on Mary Lambert.** Mary is now recovering from her hip replacement surgery at the Presbyterian Home located at 1910 West County Road D, Room 123, Roseville, MN 55112, phone: 651-697-6761.

**Department Coffee,** Wednesday, December 5, 9:30 a.m., 306 Borlaug Hall. Remember to bring your own cup. Everyone invited! Sponsored by the Syngenta (formerly Northrup King) Development Committee. Hosted by the Oat Project.

**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 December 21, 2001. See Jeanne for RFP.

**The Agronomy Department Holiday Potluck Lunch** is scheduled for Wednesday, December 19 in 306 Borlaug Hall from 12:00-2:00 p.m. Everyone in the department is welcome.

**Form W-4 Notice to all Employees:** IRS regulations (Reg. 3103492(f)(2)-1(c)(3)) require the University of Minnesota to remind you annually to file a new Form W-4 whenever there is a change in filing status, exemption allowances (number of dependents claimed), or exempt status. Although you have the choice to file a new Form W-4 whenever you feel you're entitled to increase your allowances. You are required to submit a new Form W-4 if there is a decrease in the number of allowances you are entitled to claim, or if your exemption from withholding is no longer valid. Form W-4 is available on the Payroll Services web site at <http://www1.umn.edu/ohr/payroll/PAYROLLFORMS.html>.

## Income Tax Withholding for Reciprocal States.

If you are working in Minnesota but are a resident of Michigan, North Dakota, or Wisconsin, you can file a MW-R Reciprocity Form with the University of Minnesota to have your resident state's income taxes withheld. The MW-R Form must be completed annually. If you have already filed a MW-R form for 2001, you must file a new form with Payroll Services by February 26, 2002 for the reciprocal agreement to continue.

**Department Shirt Order.** Order department sweatshirts and t-shirts for holiday gifts. E-mail your order to Lynne Medgaarden ([medga001@umn.edu](mailto:medga001@umn.edu)) by Wednesday, December 5.

**The new address for Crops Research** is 1902 Dudley Avenue, effective December 1, 2001.

**For Sale.** A nice two-bedroom twin home in Roseville overlooking a pond. Mint condition with fireplace, two-car garage, and a walkout on the pond. Fifteen minutes to each downtown. Details are on bulletin board outside of Agronomy office.

## SEMINARS

December 4 **Plant Biological Sciences Colloquium,** Daniel Griffin, Graduate Student, Dept. of Plant Biology, Univ. of Minnesota, "Analysis of Maize Tubulin Isoforms and Isotypes," 3:30 p.m., 335 Borlaug Hall.

December 5 **What's Up in Sustainable Agriculture?** (WUSA), Hana Niemi, Dept. of Agronomy and Plant Genetics, "Community-supported agriculture (CSA): the human sustainability dimension," 12:00 noon, 306 Borlaug Hall.

December 10 **Applied Plant Sciences**, No Seminar, Prelim Exam Discussion.

### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

#### **MINNESOTA CROP IMPROVEMENT ASSOCIATION (MCIA)**

Manager, Technical Services, St. Paul, MN. Manage the provision of technical services provided by MCIA. B.S. or M.S. degree in Agronomy or related field. Seed Technologist Certification desirable.

#### **UNIVERSITY OF CALIFORNIA, DAVIS**

Assistant Professor and Assistant Plant Biologist (Postharvest Biology/Biochemistry), Department of Vegetable Crops. Ph.D. degree and preferably postdoctoral research experience in an appropriate field such as Plant Biology, Biochemistry, Genetics, Molecular Biology, Plant Physiology, or related area. Closing date: March 1, 2002.

#### **USDA, ARS**

Research Agronomist/Soil Scientist/Agricultural Engineer, National Soil Erosion Research Laboratory, West Lafayette, IN. Closing date: January 15, 2002.

#### **USDA, ARS**

Research Hydrologist/Soil Scientist/Research Hydraulic Engineer, National Soil Erosion Research Laboratory, West Lafayette, IN. Closing date: January 15, 2002.

# Agronomy Gleanings

Department of Agronomy and Plant Genetics, University of Minnesota  
411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108  
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@coafes.umn.edu  
December 10, 2001

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## ANNOUNCEMENTS

**The Agronomy Department Holiday Potluck Lunch** has been rescheduled to Tuesday, December 18, in 306 Borlaug Hall from 12:00-2:00 p.m. due to the College Faculty Assembly.

**Best Wishes for a Speedy Recovery** to Roger Becker who had heart valve replacement surgery on December 3. He will be out of the office for about two months to recuperate.

**Our condolences** to Kevin Betts on the death of his father, Darrell. The funeral was Friday, December 7 in Granada, MN.

**Mary Lambert** would like to thank the Department for the beautiful mixed flower bouquet. Her hip replacement therapy is going so well she is able to return home early this week.

**Town Hall Meeting For Greenhouse Users** concerning changes to St. Paul Plant Growth Facilities, Friday, December 14, 3:00 p.m., 335 Borlaug Hall. Come and learn about: Greenhouse space use and construction schedule. Presentation by Facilities Management Greenhouse Use Committee RSP Architects, Ltd. **EVERYONE WELCOME.**

**Pesticide Applicator License Renewal.** If you received a Minnesota Pesticide Applicator license renewal form in the U.S. mail, please complete the form and bring to Marilyn, 408 Borlaug Hall. Payment will be processed for the twenty or more persons in our department who annually renew their licenses. Please complete your form and turn in by January 15.

**A Toys for Tots box** is located in 411 Borlaug Hall. Please show support for needy children by donating a toy. Collections will be through this week. Thanks for helping. -APS Grad Club

## SEMINARS

December 11 **Plant Biological Sciences Colloquium**, Dr. Ken Feldmann, CERES, Inc., Malibu, CA., "High throughput comparative and functional analysis of a collection of Arabidopsis and maize full-length cDNAs," 3:30 p.m., 335 Borlaug Hall.

December 12 **Director of Minnesota Institute for Sustainable Agriculture (MISA)**, Interview Schedule, 306 Borlaug Hall:  
9:00-10:30 a.m., Nick Jordan  
11:00-12:30 p.m., Deon Stuthman  
1:30-3:00 p.m., Bill Wilcke  
3:30-5:00 p.m., Helene Murray  
Candidates will present their "Vision for Sustainable Agriculture and MISA" followed by a discussion with faculty, staff, students, the MISA Board, and the Sustainers' Coalition.

December 12 **What's Up in Sustainable Agriculture (WUSA)**, "Sustainability trek: My vacation tour of General Mills' Cereal Adventures (TM) theme park," Emily Pullins, Institute for Social, Ecological, and Economic Sustainability, 12:00 noon, 375 Borlaug Hall.

December 14 **Center for Plants and Human Health**, Interdisciplinary Forum, "Plant Constituents and Cancer Chemoprevention: An Overview," Stephen S. Hecht, Ph.D., Univ. of Minnesota Cancer Center, 306 Borlaug Hall, 1:30-3:00 p.m.

**UNIVERSITY OF WISCONSIN-EXTENSION (UWEX)**

On-Farm Research Coordinator, Discovery Farms, office location in Appleton or Green Bay vicinity. Masters' degree required with at least one degree in a field that relates to agricultural management, agronomy, soils or dairy science. Closing date: January 9, 2002.

#### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

#### **UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**

Assistant/Associate Professor of Bioinformatics, Dept. of Crop Sciences. A Ph.D. is required and experience beyond the Ph.D. is desirable. Appropriate education in bioinformation sciences, computer sciences, genomics or related areas. Closing date: February 26, 2002.

#### **UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**

Assistant Professor of Bioinformatics, Dept. of Crop Sciences. A Ph.D. is required and experience beyond the Ph.D. is desirable. Appropriate education in bioinformation sciences, computer sciences, genomics, statistics, or related areas. Closing date: February 26, 2002.

#### **UNIVERSITY OF MISSOURI-COLUMBIA**

Crop Scientist, Assistant Professor, Dept. of Agronomy, Plant Sciences Unit. Ph.D. in Agronomy, Crop Science, or a closely related area is required. Closing date: March 1, 2002.

#### **MICHIGAN STATE UNIVERSITY**

Charles Stewart Mott Distinguished Professor of Sustainable Agriculture, East Lansing, Michigan. Earned doctorate in field related to sustainable agriculture and a record of obtaining extramural funding. Closing date: February 15, 2002.

#### **UNIVERSITY OF ARKANSAS**

Extension Weed Scientist, Little Rock/Lonoke, AR. Ph.D. in weed science or closely related field required. Experience in rice, wheat and soybean weed control preferred. Closing date: January 31, 2002.

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December 14, 2001

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## ANNOUNCEMENTS

**Upcoming Holidays** are December 24, 25, 31, and January 1. University offices will be closed.

**Department meeting** scheduled for Monday, December 17 has been canceled.

**Annual Cookie Party**, Monday, December 17, 9:00 a.m.-12 noon, 411 Borlaug Hall. Please come and enjoy cookies, coffee and hot apple cider.  
-The Office Staff

**Holiday Potluck**, featuring favorite holiday dishes, food shelf donation, and white elephant gift exchange, Tuesday, December 18, noon-2:00 p.m., 306 Borlaug Hall. Free with food shelf donation or \$1. (All money collected will be donated to local food shelf.) Potluck drop off: 8:00-9:00 a.m., 302 Borlaug Hall. Please attach a card with ingredients.

**Thank you** for the flowers you sent following Darrell's death. Your thoughts and prayers during this difficult time are greatly appreciated by our entire family. -The Family of Darrell Betts

**Minnesota Varietal Trials Results MP 106-2002** are being mailed by the printer today. The electronic version will be available at [www.maes.umn.edu](http://www.maes.umn.edu).

**Roommate Wanted.** An open bedroom is currently available in a two-bedroom apartment on Arlington Avenue. It is approximately 4 miles East of the Univ. of Minnesota, St. Paul Campus, and one block from a metro bus stop. Rent is \$350 per month. Garage space is also available upon request. If interested, please contact Wade Odland by email at [odla0014@umn.edu](mailto:odla0014@umn.edu) or call 651-487-0849 after 7:00 p.m. or leave a message at 651-303-7445.

**Driver Training-Classroom [2<sup>nd</sup> notice]** Please notify Judy Slyter if you have taken the driver training class or if you are signed up to take it.

On August 21, forty-two people attended the first classroom training for University drivers. Evaluations were excellent—the only complaint was that the class ran into the lunch hour. Future classes will start at 8:30 a.m. and be done by noon.

The Vehicle Loss Control Board decided to offer classroom driver training to all departments on the Twin City Campus due to the increase in vehicle accidents of TC Campus drivers. Departments are required to send a minimum of one driver per vehicle this fiscal year. Departments with ten vehicles will need to send ten drivers; departments with one vehicle but ten drivers only need to send one driver. Departments can send more than one driver if they choose. The training is free for the first driver and \$12 for additional drivers. After this year, departments will be required to send one driver per vehicle every other year. The training will change from year to year so drivers will not get the same training every time they attend.

If a department fails to send the required number of drivers to training, their deductible in an accident will be double the normal amount. This would make their deductible \$1,000 instead of \$500. This training applies to all departments with an owned or leased vehicle. At present, it does not apply to departments that only rent vehicles.

The dates are: September 18, 2001, October 16, 2001, November 20, 2001, December 18, 2001, January 15, 2002, February 19, 2002, March 19, 2002, April 16, 2002, May 21, 2002, June 18, 2002, July 16, 2002, August 20, 2002.

To register, call Stephanie Rodriguez at 5-8589 or e-mail her at [rodri029@umn.edu](mailto:rodri029@umn.edu). To register you will need: driver name, department, vehicle number and phone number. Attendance per session is limited to 45. Call early as 450 people need to attend training in the first year.

**Preparing Future Faculty Retreat.** Free to graduate students, teaching assistants, or postdoctoral fellows who have not yet participated in Preparing Future Faculty's GRAD 8101: Teaching in Higher Education, Wednesday, January 16, 2002, 9:30 a.m. to 2:30 p.m., Earle Brown Continuing Education Center, St. Paul Campus. First come, first serve basis. To reserve your space now, contact: Preparing Future Faculty, Center for Teaching and Learning Services, 120 Fraser Hall, 612-625-3811 or pff@umn.edu.

### **POSITION ANNOUNCEMENTS**

(Posted in notebook in 411 Borlaug Hall)

**UNIVERSITY OF TENNESSEE AT MARTIN**  
Assistant or Associate Professor of Plant and Soil Science (Agronomy). Earned doctorate in Agronomy, Plant and Soil Science, Crop Science, or a closely related field from an accredited university. Closing date: January 31, 2002.

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December 21, 2001

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## ANNOUNCEMENTS

**Upcoming Holidays** are December 24, 25, 31, and January 1. University offices will be closed.

**Thank you** to everyone for the lovely flowers, cards, food, thoughts and prayers. The worst is over but rehab is going to be a long process, as I now notice the steps are a big challenge, relatively flat streets are too hilly, and doors open way too hard. This too shall pass though, in the end it will be worth it. Little Cora hasn't seemed to mind that dad doesn't seem to pick her up now, she just giggles away and helps pass the time. -Roger Becker

**2002 JDRF Walk to Cure Diabetes.** The A Team is forming again to participate in the Juvenile Diabetes Research Foundation's 2002 Walk to Cure Diabetes. The Walk is a fun, family event held at the Mall of America on January 19, 2002. On Wednesday, January 2 from 9:30-10:30 a.m. in 306 Borlaug Hall, we will be holding a kickoff for this year's Walk. Please come by for free Bruegger's Bagels, juice, and coffee. Sample prizes that you can win by simply participating will be on display plus all the information you need to sign up or donate. Can't walk or make the kickoff? Note the sign-up sheets around department offices on campus and donate to a walker. If you'd like to learn more or know now that you'd like to walk, please click <http://www.jdrf.org> and register today. It takes less than a minute and all registration will be on line this year. It's easier than ever.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### GOLDEN HARVEST RESEARCH

Three-month internship, corn breeding research program, Platteville, WI. Start date: Approx. June 1, 2002; finish date: August 15, 2002.

### GOLDEN HARVEST RESEARCH

Six-month internship, corn breeding program. Assist research staff and technically support a comprehensive inbred line development and hybrid yield testing program. Start date: Approx. June 1, 2002; finish date: December 15, 2002.

### UNIVERSITY OF MINNESOTA

Research Fellow/Chemist, Department of Plant Pathology. Duties include qualitative and quantitative analyses of mycotoxins in grain samples and other plant materials using GC/MS techniques, quality control assessment of sample analyses, troubleshooting and maintenance of a Shimadzu GC/MS system, and supervising 2-3 laboratory technicians. This is a non-tenure track, 12-month, full-time position, renewable annually depending upon available funds. Deadline: January 25, 2002. Contact: Dr. Kent Evans, Chair, Search Committee. 612/625-4271; email: [evans035@umn.edu](mailto:evans035@umn.edu).

### SOUTH DAKOTA STATE UNIVERSITY

County Extension Educator--Agronomy, Campbell County, Mound City, SD. Earned Bachelor's degree in Agriculture with a major in an agricultural field, including course work and/or experience in agronomy. Closing date: January 4, 2002.