

Agronomy Gleanings, January 12, 2004

1/12/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

January 12, 2004

## ANNOUNCEMENTS

Martin Luther King Holiday, Monday, January 19, 2004. University offices will be closed.

Departmental Coffee. The UMN Oat Breeding Project will host the next Syngenta Departmental Coffee on Friday, January 23rd at 9:30 am in 306 Borlaug. Please join us for coffee, bagels, donuts, oatmeal raisin cookies, and a chance to win a great oat-related contest! Please remember to bring your own coffee mug. Thanks! --Oaties

Condolences. Carroll Vance's brother, Hubert [Booney] Vance, age 63, passed away Wednesday, January 7 after suffering briefly with idiopathic cardiomyopathy. A memorial service was held Saturday, January 10 in Johnson City, Tennessee.

Congratulations. Lynn Litterer will receive the next Hayes Graduate Student Award.

The Minnesota Crop Improvement Association (MCIA) will hold its annual meeting on January 21 and 22, 2004 at the Bigwood Event Center/ Best Western, Fergus Falls, Minnesota. The program will focus on MCIA and where members see the organization going in the future. The program begins with registration at 4:00 p.m., Wednesday, followed by dinner and an evening program. Thursday's activities include a keynote address by Richard Crowder, CEO of the American Seed Trade Association, an awards luncheon, committee and business meetings and a look to the future. If you would like additional information, contact Marilyn at MCIA at 612-625-7766.

Great Conversations Series, Nurturing the Creative Class, U President Robert Bruininks and Richard Florida, Carnegie Mellon Univ., Tuesday, January 20, 7:30 p.m., Ted Mann Concert Hall, Minneapolis Campus. To buy tickets or learn more about each event, see <http://www.cce.umn.edu/conversations>.

2004 Minnesota Organic and Grazing Conference and Trade Show, Friday and Saturday, January 23-24, St. Cloud Civic Center, St. Cloud, Minn. For agenda and registration details: <http://www.mda.state.mn.us/esap/organic/conference.pdf>

The University of Minnesota's account with Federal Express covers US and International Express shipments, but not Ground shipments. Ground shipments need to

be brought to a FedEx staffed Service Center and charged to your University credit card. For questions, call 1-800-463-3339 or <http://www.fedex.com>

## SEMINARS

January 13

Plant Biological Sciences, Andy Munkacsi, PBS Graduate Student, "In search of ancient corn smut compatible with ancient corn: a match made in evolution," 3:30 p.m., 239 Gortner Lab.

January 14

Biochemistry, Molecular Biology and Biophysics, "Nutrient Sensing and Growth Control by the TOR Pathway," Dr. Do-Hyung Kim, Cambridge, MA, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

January 20

Whatman and Fisher Scientific, FTA seminar, 12:00 - 1:30 p.m., 105 Cargill Building. Pizza and refreshments provided. RSVP by 1/16/04 to Dan Klis, [daniel.klis@whatman.com](mailto:daniel.klis@whatman.com) or 800-332-1942, ext. 4558.

January 20

Plant Biological Sciences, Professor Chris Lamb, Director, John Innes Centre, Norwich, UK, "Disease resistance signaling: networking in a hostile environment," 2:30 p.m., 105 Cargill Building, St. Paul Campus.

January 20

Food Science and Nutrition, Department Head candidate, Dr. David Klurfeld, "What is your vision, and your leadership strategy to realize that vision, for a Food Science and Nutrition academic department of the 21st century?," 3:45-5:00 p.m., 306 Borlaug Hall. Reception, 5:00 p.m., Borlaug Hall Foyer.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### PURDUE UNIVERSITY

Soybean Extension Specialist, Department of Agronomy, West Lafayette, Indiana. Ph.D. in Crop Science or related agronomic sciences. Closing date: January 12, 2004 or until suitable candidate selected.

### PURDUE UNIVERSITY

Assistant Professor of Agronomy, Turfgrass Science, Department of Agronomy, West Lafayette, Indiana. Ph.D. in Agronomy, Horticulture, Plant Biology, or related field is required. Closing date: February 1, 2004.

USDA, ARS, PWA

Research Plant Pathologist (Research Associate) Yakima Agr. Research Lab, Wapato, WA. Ph.D. in Plant Pathology or closely related field is required.

UNIVERSITY OF MISSOURI-COLUMBIA

Research Assistant Professor/Horticulture, Department of Horticulture, Columbia, MO. Ph.D. in horticulture or a related field is required. Application deadline: January 2, 2004 or until suitable candidate selected.

USDA, ARS

Research Leader, Beltsville, Maryland. Physical Scientist / Hydrologist / Meteorologist / Soil Scientist / Environmental Engineer. Doctorate degree is desirable. For application information see <http://www.afm.ars.usda.gov/divisions/hrd/index.html>, vacancy announcement number ARS-X4E-0080. Closing date: March 15, 2004.

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January 23, 2004

## ANNOUNCEMENTS

Obituary. Dr. Benjamin Pomeroy (age 92), professor emeritus, University of Minnesota College of Veterinary Medicine, died January 16 of congestive heart failure. Preceded in death by his wife, Margaret, and special friend, Mary Lambert. Celebration of Ben's life will be at 3:00 pm, Friday, January 23, House of Hope Presbyterian Church in St. Paul.

Farewell Coffee for Kim Torbert, Thursday, January 29, 3:00 p.m., 408 Hayes Hall.

Trailer Safety Training, Tuesday, January 27, 10:00 a.m., 106 Agronomy Greenhouse Building, 1522 Gortner Avenue. Officer Tom Smith from the Minnesota State Patrol will provide information on regulations, laws, and safety operations for University employees who pull trailers. Coffee and refreshments will be served. This training session is sponsored by the College of Agriculture, Food, and Environmental Science Health and Safety Committee. For additional information, please contact Tom Warnke at 612-625-1228 or [warnk001@staff.tc.umn.edu](mailto:warnk001@staff.tc.umn.edu).

The Minnesota Agricultural Student Trainee (MAST) program is an international exchange program that combines practical "hands-on" experience with academic course work through the University of Minnesota. MAST's mission is to improve global understanding by providing education and cultural enrichment through international exchange. Visit MAST's website for more information <http://mast.coafes.umn.edu/>.

A number of MAST students are interested in part-time work within our department. Please notify Jean Swanson if you have any positions available now or in the future.

COAFES Online Writing Center resources for Spring 2004 <http://www.owc.umn.edu>.

Presentation by Regents Professor G. Edward Schuh. The University of Minnesota's chapter of Sigma Xi invites you to join them at 6:30 p.m. on Tuesday, January 27 in room 119 of the Classroom Office Building for a presentation by Regents Professor G. Edward Schuh entitled "Some Thoughts on Science and Technology Policy for Modernizing World Agriculture." Dr. Schuh's seminar will be followed by comments from Gary Kubly, a member of the Minnesota State Senate. Senator Kubly serves on the senate's Agricultural Policy and Agricultural Finance Committees; he will address agricultural trade policy as it relates to farmers. For an abstract of Dr. Schuh's seminar:

[http://www.sigmaxi.org/chapters/web/index.php?chapter\\_id=80&event\\_id=89](http://www.sigmaxi.org/chapters/web/index.php?chapter_id=80&event_id=89)

## SEMINARS

January 26

Plant Pathology, "From PDA to PCR: Applying molecular methods to problems in field crop pathology," Craig R. Grau, Department of Plant Pathology, University of Wisconsin-Madison, 3 p.m., 365 Borlaug Hall.

January 26

Applied Plant Sciences (APS), Martin Medina, APS graduate student in Agronomy and Plant Genetics, "Genetic diversity in crops: What has plant breeding offered to farmers during the last century?," 3:30 p.m., 306 Borlaug Hall.

January 26

Biochemistry, Molecular Biology & Biophysics, Faculty Candidate, Dr. Yibin Kang, Memorial Sloan-Kettering Cancer Center, "Breast Cancer Bone Metastasis: Molecular Basis of Tissue Tropism," 4:00 p.m., 2-620 Moos Tower, Minneapolis. January 27, Chalk Talk, 8:30 a.m., 6-135 Jackson Hall.

January 27

Plant Biological Sciences, Peter Voth, PBS Graduate Student, "Co-evolutionary consequences of symbiosis: Biogeographic study of a fungal dsRNA virus, the Ustilago maydis Virus (UMV)," 3:30 p.m., 335 Borlaug Hall.

January 28

MISA & WUSA, Beth Waterhouse, Endowed Chair in Agricultural Systems, "Impact of Sustainable Decision-Making on the Next Generation," 12:00 noon, 306 Borlaug Hall.

January 28

Biochemistry, Molecular Biology & Biophysics, Faculty Candidate, Dr. Terry Combs, Albert Einstein College of Medicine, Bronx, NY, "Sex Differences in Lipid and Glucose Metabolism," 4:00 p.m., 3-120 MCB, Minneapolis Campus.

February 2

Applied Plant Sciences (APS), Kristin Mercer, APS Graduate Student, "In-situ conservation of crop landraces in centers of origin," 3:30 p.m., 306 Borlaug Hall.

February 2

Food Science and Nutrition, Department Head candidate, Dr. Allen Levine, "What is your vision, and your leadership strategy to realize the vision for a Food Science and Nutrition academic department in the 21st century?," 3:45-5:00 p.m., 125 ABLMS. Reception, 5:00-6:30 p.m.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### THE LAND INSTITUTE

Graduate Research Fellowship to support graduate students whose research relates to Natural Systems Agriculture (NSA). The Land Institute web site <http://www.landinstitute.org> provides further information about Natural Systems Agriculture, abstracts of Fellows' projects, and details of the application process. Applications due electronically by February 15, 2004.

#### ASA-CSSA-SSSA

Science Policy Internship. For more information: [www.asa-cssa-sssa.org/sci\\_pol\\_intern.html](http://www.asa-cssa-sssa.org/sci_pol_intern.html) Deadline: March 5, 2004.

#### UNIVERSITY OF MINNESOTA

Department Head of Plant Pathology, St. Paul Campus. Ph.D. degree with 8 years experience in plant pathology or a related field beyond the terminal degree. Position description: <http://www.plpa.agri.umn.edu>. Application deadline: March 29, 2004 or until filled.

#### MICHIGAN STATE

Assistant Professor, Soil Chemistry and Nutrient Management, Department of Crop and Soil Sciences, East Lansing, MI. Ph.D. degree in Soil Fertility, Soil Chemistry, or related area. Closing date: April 1, 2004 or until filled.

#### MICHIGAN STATE UNIVERSITY

Post-Doctoral Research Associate in Turfgrass Breeding, Crop and Soil Sciences Department, East Lansing, MI. Ph.D. degree in plant breeding, genetics or related disciplines. Deadline: February 29, 2004 or until filled.

Agronomy Gleanings, February 2, 2004

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February 2, 2004

## ANNOUNCEMENTS

J. Harlan Ford died from pancreatic cancer Saturday morning, January 31, in Brownsville, Texas. Viewing will be Thursday, February 5, 4:00-7:00 pm, Sturm Funeral Home, Lamberton, Minn. Service: Friday, February 6, 10:30 am, United Methodist Church in Lamberton. Lunch: following the service at the Lamberton American Legion. Memorials to be determined.

Congratulations to Kelly and Bill Hire on the birth of Jacob William, born 1-19-04, 3:35 a.m., 10 lbs. Jacob's brother Bryan is 3 years old.

Want to study "Social" Science? Come to the Semester Kickoff Party! Sponsored by the APS Graduate Student Association. All APS Faculty, Staff, and Students are invited. Friday the 13th of February, beginning at 3:30pm in 306 Borlaug. A variety of beer, drinks, and snacks will be served. There will be a chili cook-off with prizes for the winners! To enter a crock pot of your favorite creation, email Vance Whitaker at [whit0942@umn.edu](mailto:whit0942@umn.edu) by Wednesday, February 11th.

Junior World Speedskating Championships, February 20-22, John Rose OVAL, Roseville, MN. Check the website for details <http://juniors.wrاندco.com/>

2004 ASA-CSSA-SSSA Awards, Scholarships, Fellows nomination and application information online at <http://www.asa-cssa-sssa.org/awards>. Deadline Friday, March 5.

Temporary Housing. A former faculty member from the Department of Animal Science and his wife are seeking temporary housing from approximately mid-May through August. Please contact William Burke directly at [whburke@msn.com](mailto:whburke@msn.com).

## SEMINARS

February 4

Center for Microbial and Plant Genomics (CMPG), Dr. Jane Glazebrook, Plant Biology, "Investigating plant disease resistance signaling networks using expression profiling," 12:00 noon, 105 Cargill-MPG.

February 4

WUSA & MISA, Part one of "Fast Food World: Perils and Promises of the Global Food Chain," a webcast of a panel discussion with Wendell Berry, Carlo Petrini, Michael Pollan, Eric Schlosser, Vandana Shiva and Alice Waters, 12:00 noon, 306 Borlaug Hall.

February 4

BMBB, Regulatory Biochemistry Search candidate, Paul Cullen, University of Oregon, "Role of Cdc42 in Signal Transduction and Morphogenesis in Yeast," 3-120 MCB, 4:00 p.m.

February 5, Chalk Talk, 6-135 Jackson Hall, 9:00 am.

February 5

BioTechnology Institute, Eriko Takano, PhD, Germany, "Identification of the gamma-butyrolactone receptor regulon in *Streptomyces coelicolor* A3 (2) using microarray analysis," 3:30 p.m., 239 Gortner Laboratory, St. Paul.

February 9

Plant Pathology, Dr. Georgiana May, Department of Ecology and Evolutionary Biology, "Evolutionary approaches to understanding plant/pathogen interactions," 3:00 pm, 365 Borlaug Hall.

February 9

Applied Plant Sciences (APS), Fernando De Villena, APS graduate student, Horticultural Science, "Radio frequency heating: an alternative quarantine treatment to export fruits," 3:30 p.m., 306 Borlaug Hall.

February 9

Food Science and Nutrition, Department Head Search, Dr. John Finley, "What is your vision, and your leadership strategy to realize that vision, for a Food Science and Nutrition academic department in the 21st century?," 3:45 pm, 125 ABLMS. Reception: ABLMS Atrium, 5:00 p.m.

February 10

Law, Health & the Life Sciences, "Ecology, Ethics, and Private Land," Prof. Eric Freyfogle, JD, University of Illinois College of Law, 12:15-1:15 p.m., Mississippi Room, Coffman Union, Minneapolis, <http://www.jointdegree.umn.edu/>.

February 10

Plant Biological Sciences, Dr. Nathan Springer, Asst. Prof., Dept. of Plant Biology, Univ. of Minn., "Why does mother know best? Identifying the molecular mechanisms regulating imprinted gene expression," 3:30 p.m., 335 Borlaug Hall.

February 16

Applied Plant Sciences (APS), Penny Kianian, APS graduate student, Agronomy and Plant Genetics, "Searching for plant genes related to human cancer," thesis proposal,



3:30 p.m., 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### WASHINGTON STATE UNIVERSITY

Extension Conservation Tillage Systems Specialist, Department of Crop and Soil Sciences, Pullman, WA, and Department of Plant, Soil, and Entomological Sciences, University of Idaho, Moscow, Idaho. (Position is based at University of Idaho.) PhD in crop science, soil science, or related discipline. Application process begins March 15, 2004.

#### USDA REE ARS

Research Plant Pathologist, U.S. Vegetable Laboratory, Charleston, SC. MS degree: plant pathology or a related scientific discipline, including basic botany or plant science. Closing date: March 1, 2004.

#### THREE RIVERS PARK DISTRICT

Farm Educator, Gale Woods Farm Park, Minnetrista, Minnesota. See website for details <http://www.threeriversparkdistrict.org>. Closing date: February 4, 2004 at 4:30 p.m.

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Junior World Speed Skating Championships, February 20-22, John Rose OVAL, Roseville, MN. Check the website for details <http://juniors.wrandco.com/>

The Minnesota Water 2004 conference, "Policy and Planning to Ensure Minnesota's Water Supplies," will be held March 23-24 at the Radisson Metrodome on the East Bank of the University of Minnesota Campus. Web site: <http://wrc.coafes.umn.edu/water2004/>.

Soup Lunch. The Applied Plant Sciences Graduate Student Association's Annual Soup Lunch is planned for Friday, March 5, 12 noon, 306 Borlaug Hall. Please bring a soup or a dessert. There will be fantastic prizes for soups in different categories. \$4 or \$2 if you bring a soup or dessert. Contact Karin Kettenring ([kett0044@umn.edu](mailto:kett0044@umn.edu)), Lois Braun ([brau0259@umn.edu](mailto:brau0259@umn.edu)), or Stephanie Jutila ([juti0004@umn.edu](mailto:juti0004@umn.edu)).

New Crop Science article. H.J. Kandel, P.M. Porter, B.L. Johnson, R.A. Henson, B.K. Hanson, S. Weisberg, and D.G. LeGare. 2004. Plant Population Influences Niger Seed Yield in the Northern Great Plains. *Crop Science* 44:190-197.

Great Conversations, Pauline Boss, U of M Professor and Gail Sheehy, best-selling author, "The Loss of 9/11: Two Perspectives," February 25, Ted Mann Concert Hall, 7:30 p.m. Single tickets \$28 (U of M faculty, staff, and students \$23). [www.cce.umn.edu/conversations](http://www.cce.umn.edu/conversations).

## SEMINARS

February 16

Plant Pathology, Dr. Charlie Barnes, Plant Pathology/USDA Cereal Disease Lab, "The development of real-time PCR assays for cereal rust pathogens," 3:00 pm, 365 Borlaug Hall.

February 16

Applied Plant Sciences (APS), "Searching for plant genes related to human cancer," thesis proposal, Penny Kianian, APS Ph.D. student, Agronomy and Plant Genetics, 3:30 pm, 306 Borlaug Hall.

February 16

Biochemistry, Molecular Biology and Biophysics, faculty candidate, Dr. David Steger, University of California, San Francisco, "Regulation of Chromatin Remodeling by Inositol Polyphosphates," 4:00 pm, 2-620 MoosT, Minneapolis. February 17, Chalk Talk, 6-135 Jackson Hall, 8:30 a.m.

February 17

Plant Biological Sciences, "The Genetic Architecture of Species Boundaries," Dr. Alex Buerkle, University of Wisconsin-Eau Claire, 3:30 p.m., 335 Borlaug Hall.

February 18

WUSA & MISA, Deirdre Davis, co-owner of the River Chocolate Company, "The Cuban Chocolate Embargo: How it affects us and them," 12 noon, 306 Borlaug Hall.

February 18

The Center for Microbial and Plant Genomics, Dr. Sue Gibson, Plant Biology, U of M, "Using genomics and reverse genetics to characterize plant sugar-response pathways," 12:00 noon, 105 Cargill-MPG.

February 23

Applied Plant Sciences (APS). No seminar. Written Preliminary Exam Discussion.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### THE NATURE CONSERVANCY IN OREGON

Recruitment for the 2004 field season:

<http://www.nature.org/careers>

### WALT DISNEY WORLD

Epcot Science Internship Program:

<http://www.wdwcollegeprogram.com>

THE UNIVERSITY OF VERMONT

Chair, Department of Plant and Soil Science, College of Agriculture and Life Sciences,  
Burlington, VT. Doctorate degree in plant science. Closing date: March 15, 2004.

Web address: <http://www.uvm.edu/~pss/>

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February 23, 2004

## ANNOUNCEMENTS

Departmental Morning Coffee, Wednesday, February 25, 9:30 a.m., Cargill Building Seminar Room. Come and enjoy delicious treats and mingle with fellow staff, students, and faculty. Sponsored by: Phillips/Rines Lab and Syngenta.

Thank you for the beautiful flowers. --The family of John Harlan Ford

License Tabs. U of M vehicle license tabs are expiring the end of February. All vehicles must have a safety inspection completed by Fleet Services before new tabs will be issued. Call Tony Bittner at Fleet Services (625-8717) to schedule an appointment for your vehicle.

Founders Day 2004. On Wednesday, Feb. 25, the University of Minnesota will celebrate its 153rd birthday with Founders Day 2004. This year's celebration is part of a week's worth of events designed to highlight University achievements and strengthen campus community. Founders Day events: <http://www.umn.edu/twincities/founders/>.

I hope you can attend one or all of the Founders Day activities. And please join me for our centerpiece event at noon, Feb. 25 on Northrop Plaza for a bowl of hot chili and the continuation of a University tradition! --Robert J. Jones, Executive Vice President and Vice Provost

Robert Jones' title will change to senior vice president for system administration, primarily responsible for strategic planning, institutional research and accountability, and programs such as the extension service and international programs.

Annual Civil Service Lunch, Tuesday, March 16, 12 noon, 306 Borlaug Hall. Davanni's hot hoagies, chips, and beverages will be served. Please RSVP to Jean Swanson at [swans008@umn.edu](mailto:swans008@umn.edu) or 5-2740 before March 5.

The 2004 Summary of Benefits booklet is available online for you to read and review at <http://www1.umn.edu/ohr/eb/uplan/bensum.htm>.

Soup Lunch. The Applied Plant Sciences Graduate Student Association's Annual Soup Lunch is planned for Friday, March 5, 12 noon, 306 Borlaug Hall. Please bring a soup or

a dessert. There will be fantastic prizes for soups in different categories. \$4 or \$2 if you bring a soup or dessert. Contact Karin Kettenring (kett0044@umn.edu), Lois Braun (brau0259@umn.edu), or Stephanie Jutila (juti0004@umn.edu).

The Office for University Women, Awards & Grants deadline is February 27, 2004.  
OUS's website: <http://www1.umn.edu/women/awards.html>

2004 Kermit A. Olson Memorial Lecture, Department of Horticultural Science, Dr. Paul W. Bosland, New Mexico State University and Director of Chile Pepper Institute, "Homage to the Chile Pepper," Wednesday, March 31, Awards and Scholarship presentation at 3:30 p.m., Lecture 4:00 to 5:00 p.m., 33 McNeal Hall, St. Paul Campus. Reception to follow in 310 Alderman Hall.

ATTENTION FACULTY AND LAB SUPERVISORS - Online Safety Tutorials Available from DEHS. In an effort to meet an increasing demand for safety training that is flexible and readily accessible to the University community, the Department of Environmental Health and Safety (DEHS) now has three online tutorials available. They are:

- \* Introduction to Research Safety
- \* Chemical Safety
- \* Radiation Safety Orientation

The combination of Introduction to Research Safety and Chemical Safety provides a Web-based alternative to one of DEHS's most heavily attended in-person courses--New Employee Lab Safety Training, which is offered monthly. The third tutorial, Radiation Safety Orientation, provides prerequisite safety training for all University community members that must enter areas that contain radioactive materials. When a University community member completes any of these tutorials, a training record is automatically entered into PeopleSoft. This is in response to an initiative to have all compliance records housed in a single University-wide system, so that administrators can more readily demonstrate the compliance of their faculty, staff, and students. You can find links to these tutorials at <http://www.dehs.umn.edu/training/new/>. If you have any feedback or questions about these tutorials, please call DEHS at 612.626.6002 or e-mail: [dehs@umn.edu](mailto:dehs@umn.edu).

Support the University. The University is seeking funding during this legislative session to correct vital health and safety issues, to renew old and outdated classrooms and buildings, and to complete infrastructure projects such as new roof replacements and ventilation systems. The quality of our facilities does have an impact on our ability to attract world-class faculty, well-prepared students, and millions of dollars in research and private funding - all critical to the University's excellence and the health of Minnesota's economy. Participating in a Calling Night or Thursdays at the Capitol are two of the many ways you can help support the University during this legislative session. The College will be sponsoring the following activities next week: To register, go to:

<http://www.thedatabank.com/meeting/calsignup.asp?ccf=163331&caleventid=74>

Calling Night - Tuesday, February 24 (5:30-8:30 pm @ McNamara Alumni Center).

COAFES and CBS faculty, staff, students and alumni will call COAFES and CBS graduates to encourage them to contact their legislators. Dinner and training provided.

Thursdays at the Capitol - Thursday, February 26 (12:00-3:30) COAFES and CBS faculty, staff, students and alumni are invited to sit in on the House and Senate Higher Education committee meetings. The goal of these activities is to have a visible presence of University supporters at the committee hearings.

If you'd like to participate but can't attend the events next week, volunteers are welcome at any of the Calling Nights or Thursdays at the Capitol. Go to <http://www1.umn.edu/groots/phone.php> and <http://www1.umn.edu/groots/tatc.php> for a complete listing of dates. For more information about the U's request or to join the Legislative Network, visit [www.supporttheu.umn.edu](http://www.supporttheu.umn.edu).

Grants. The CSREES solicits applications for the Fiscal Year (FY) 2004 Animal and Plant Biosecurity Competitive Grants Program. Applications must be received by 5:00 p.m., Eastern Time, June 15, 2004. For details: [www.reeusda.gov/](http://www.reeusda.gov/)

3rd Annual Classes Without Quizzes. Mark your calendar for the 3rd Annual Classes Without Quizzes, April 3, 2004. For details: <http://alumni.coafes.umn.edu/cwq>

## SEMINARS

February 24

Plant Biological Sciences, "Adaptation in a changing environment: Evolutionary potential and the limits to natural selection," Dr. Julie Etterson, University of Minnesota/Duluth, 3:30 p.m., 335 Borlaug Hall.

February 25

MISA & WUSA, Nick Jordan, "A Forum on Agroecology," 12:00 noon, 306 Borlaug Hall.

February 25

FScN, Department Head Candidate, Dr. James Steele, 3:45-5:00 p.m., 15 FscN.

February 25

Biochemistry, Molecular Biology & Biophysics, "The Genome of Biodefense Pathogen *Bacillus anthracis* and Beyond," Dr. Timothy Read, The Institute for Genomic Research, Rockville, MD, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

March 1

Plant Pathology, Mini-symposium on Fungal Systematics: Part 2, Dr. Tom Harrington, Iowa State University, "Host shifts, host specialization and speciation in *Ceratocystis*," 3:00 p.m., 365 Borlaug Hall.

March 1

Applied Plant Sciences, Stephanie Jutila, APS graduate student in Horticultural Science, "The Social Impact of Green Spaces," 3:30 p.m., 306 Borlaug Hall.

March 2

Plant Biological Sciences, Dr. Dan Voytas, Iowa State Univ., "Retrotransposons and plant genome organization," 3:30 p.m., 335 Borlaug Hall.

March 2

The Center for Community Genetics, Dr. Christopher Wills, University of California, San Diego, "The Maintenance of Diversity in Tropical Rainforests," 5:00 p.m., 100 Rapson Hall, 89 Church St. SE, Minneapolis, U of M East Bank. Lecture is free and open to the public.

March 3

Center for Microbial and Plant Genomics, Dr. Nevin Young, Plant Pathology, "Comparative genomics of legumes and their disease resistance genes," 12 noon, 105 Cargill-MPG.

March 8

Applied Plant Sciences, Kristine Moncada, APS graduate student, Agronomy and Plant Genetics, "Convention on biological diversity and bioprospecting in developing countries," 3:30 p.m., 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF MASSACHUSETTS

Extension Livestock Specialist, Amherst, MA. MA/MS in animal science, or related area and one to three years of relevant professional experience in livestock and nutrient management or closely related field. Closing date: March 6, 2004.

#### JOBS IN HORTICULTURE, INC.

<http://www.hortjobs.com>

#### IOWA STATE UNIVERSITY

Assistant or Associate or Full Professor, Extension Corn Production Specialist. Preferred Qualifications: Ph.D. in Agronomy or related discipline with experience in extension and research on corn production. Closing date: May 30, 2004. For further information, visit <http://iastate.edu/hrs/jobs/jobs.html>.

#### UNIVERSITY OF MISSOURI

Coordinator of the Plant Diagnostic Clinic, Plant Sciences Unit, Columbia, MO. M.S. degree in a plant-related field such as Plant Pathology, Entomology, Agronomy, Horticulture or Weed Science. Closing date: March 15, 2004. <http://outreach.missouri.edu/careers/>

#### UNIVERSITY OF MISSOURI, LINCOLN



Regional Extension Specialist, Versailles, MO. Master's degree in agronomy and/or soil science. Closing date: March 26, 2004. <http://outreach.missouri.edu/careers/>

USDA, REE

Research Plant Geneticist, USDA, ARS Plant Science Research Unit, North Carolina State University, Raleigh, NC. Basic requirements: Degree in genetics or one of the basic biological sciences. Closing date: March 19, 2004.

USDA, REE

Research Plant Pathologist, Subtropical Plant Pathology Research, Ft. Pierce, Florida. Degree: plant pathology; or a related scientific discipline. Closing date: April 15, 2004.

USDA, REE

Interdisciplinary Supervisory Research Agronomist, Ecologist, Research Plant Pathologist, Plant Physiologist at the Air Quality Plant Growth and Development Research Unit, Raleigh, North Carolina. Closing date: April 9, 2004.

Agronomy Gleanings, March 1, 2004

3/1/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

March 1, 2004

## ANNOUNCEMENTS

Birth Announcement. We would like to announce the arrival of Evelyn Grace Taller. Born 2/25/04 at 4:07PM; Weight: 8lb 2oz; Length: 21in. Statement of the day: "She's Got Hair!" Mom and Baby are both doing great! --Jen and Jim Taller

Soup Lunch. The Applied Plant Sciences Graduate Student Association's Annual Soup Lunch is planned for Friday, March 5, 12 noon, 306 Borlaug Hall. Please bring a soup or a dessert. There will be fantastic prizes for soups in different categories. \$4 or \$2 if you bring a soup or dessert. Contact Karin Kettenring ([kett0044@umn.edu](mailto:kett0044@umn.edu)), Lois Braun ([brau0259@umn.edu](mailto:brau0259@umn.edu)), or Stephanie Jutila ([juti0004@umn.edu](mailto:juti0004@umn.edu)).

Annual Civil Service Lunch, Tuesday, March 16, 12 noon, 306 Borlaug Hall. Davanni's hot hoagies, chips, and beverages will be served. Please RSVP to Jean Swanson at [swans008@umn.edu](mailto:swans008@umn.edu) or 5-2740 before March 5.

The Indian pastries and snacks at the February Syngenta Coffee were from Asia Imports, Inc., 1840 Central Ave NE, Minneapolis, MN, 612-788-4571 or <http://www.asiaimportsinc.com>

Request for Research Proposals from Crop Production Research Foundation, Inc. The primary focus of this fund is to improve the profit derived from crop production in Minnesota. Proposals should request funding in the range of \$5,000 to \$10,000. Proposals should be received before the close of business on March 8, 2004. Contact Jeanne Davy for details.

Peace Corps events on campus in March: <http://www.peacecorps.gov>

## SEMINARS

March 1

Plant Pathology, Mini-symposium on Fungal Systematics: Part 2, Dr. Tom Harrington, Iowa State University, "Host shifts, host specialization and speciation in *Ceratocystis*," 3:00 p.m., 365 Borlaug Hall.

March 1

Applied Plant Sciences, Stephanie Jutila, APS graduate student in Horticultural Science, "The Social Impact of Green Spaces," 3:30 p.m., 306 Borlaug Hall.

March 2

Plant Biological Sciences, Dr. Dan Voytas, Iowa State Univ., "Retrotransposons and plant genome organization," 3:30 p.m., 335 Borlaug Hall.

March 2

The Center for Community Genetics, Dr. Christopher Wills, University of California, San Diego, "The Maintenance of Diversity in Tropical Rainforests," 5:00 p.m., 100 Rapson Hall, 89 Church St. SE, Minneapolis, U of M East Bank. Lecture is free and open to the public.

March 3

WUSA & MISA, Deborah Roeber, Animal Science, "Mad Cow Disease Part 1: BSE and the Impact on the US Beef Industry," 12 noon, 306 Borlaug Hall.

March 3

Center for Microbial and Plant Genomics, Dr. Nevin Young, Plant Pathology, "Comparative genomics of legumes and their disease resistance genes," 12 noon, 105 Cargill-MPG.

March 3

Applied Plant Sciences, Dave Esplin, APS student in Horticultural Science, "Digital Imaging and Analysis as a Tool in Plant Breeding," 3:30 p.m., 310 Alderman Hall.

March 3

Biochemistry, Molecular Biology, and Biophysics, Dr. Martin Bollinger, Pennsylvania State Univ., "Stalking Intermediates in Oxygen Activation by Non-heme Iron Enzymes," 4:00 p.m., 3-120 MCB, Minneapolis.

March 8

Applied Plant Sciences, Kristine Moncada, APS graduate student, Agronomy and Plant Genetics, "Convention on biological diversity and bioprospecting in developing countries," 3:30 p.m., 306 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### NEW MEXICO STATE UNIVERSITY

Assistant or Associate Professor of Turfgrass Science, Department of Agronomy and Horticulture, Las Cruces, NM. PhD in horticulture, agronomy, or related field with emphasis and background in turfgrass science. Deadline: May 31, 2004.

IOWA STATE UNIVERSITY

Assistant or Associate or Full Professor, Extension Corn Production Specialist. Closing date: May 30, 2004. <http://www.iastate.edu/hrs/jobs/jobs.html>

Agronomy Gleanings, March 10, 2004

3/10/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

March 10, 2004

## ANNOUNCEMENTS

Congratulations! Roger Caspers is the Sun Bowl Grand Prize winner of a one-week trip for two to Hawaii.

Annual Civil Service Lunch, Tuesday, March 16, 12 noon, 306 Borlaug Hall. Hot hoagies, chips, and beverages from Davanni's will be served.

2004 Kermit A. Olson Memorial Lecture, Dr. Paul W. Bosland, New Mexico State University, "Homage to the Chile Pepper," Wednesday, March 31, Awards and Scholarship presentation at 3:30 p.m., Lecture 4:00 to 5:00, 33 McNeal Hall, St. Paul Campus. Reception to follow in 310 Alderman Hall.

William E. Larson and Raymond R. Allmaras Lecture Series, "Emerging Issues in Soil and Water," Dr. R. Eugene Turner, Louisiana State University, "Linking Landscape and Water Quality in the Mississippi River Basin for 200 Years," Friday, April 2, 2:00 p.m., 335 Borlaug Hall. Reception to follow. [http://soils.umn.edu/Emerging\\_Issues/](http://soils.umn.edu/Emerging_Issues/)

3rd Annual Classes Without Quizzes, Saturday, April 3, 9:00 am - 2:00 pm, Borlaug Hall. Complete details at <http://alumni.coafes.umn.edu/cwq>

2004 Shape-up Challenge Kick-off Coffee and Guest Speaker, Thursday, April 8th, Cargill Building-Microbial and Plant Genomics:

- 9:30 a.m. Departmental Coffee

- 10:00 a.m. Speaker: Elizabeth Garron, Instructor in Learning Methods at The Humphrey Center. Elizabeth will give a lecture/demonstration with some audience participation. Sponsored by the Syngenta Development Committee.

Dr. Royse P. Murphy. Sunday, May 2nd, 2004 (2-5 pm): anyone who may remember Dr. Royse P. Murphy (M.S. with Dr. A.C. Army, 1938; PhD with Dr. H.K. Hayes (1941) is cordially invited to a celebration in honor of his 90th birthday. The event will be held in the Memorial Room and Terrace, Willard Straight Hall, Cornell University campus in Ithaca, New York. If you cannot attend but wish to contribute stories, fond memories, photographs, etc., to a "Memory Book," please send them to Cynda Farnham ([clf4@cornell.edu](mailto:clf4@cornell.edu)). No gifts please. If you plan to attend, please RSVP to Cynda by

April 15, 2004.

H.K. Hayes Event, Friday, May 14, Cargill Building for Microbial and Plant Genomics, 1500 Gortner Avenue, St. Paul Campus. Faculty Roundtable at 9:30 am. H.K. Hayes Graduate Student Award presented to Lynn Litterer at 10:30 am. Lecture by Masa Iwanaga, Director General, CIMMYT, "Role of International Crop Breeding" at 11:00 am. Pizza Lunch/Reception 12:00-1:00 pm. Graduate Student Discussion 1:00-2:00 pm.

Network Upgrade. Welcome the Future Gopher GigaNet coming in 2004. More information at <http://www.umn.edu/nts/networkupgrade>

## SEMINARS

March 10

WUSA and MISA, Mark Ritchie, President of the Institute for Agriculture and Trade Policy, "Mad Cow Disease Part 2: Beyond Mad Cow," 12 noon, 306 Borlaug Hall.

March 10

Biochemistry, Molecular Biology & Biophysics, "Diverse Roles for Phosphatidylinositol Transfer Protein Signaling in Regulation of Membrane Trafficking," Dr. Vytas Bankaitis, University of North Carolina, Chapel Hill, 4:00 pm, 3-120 MCB, Minneapolis Campus.

March 15

Applied Plant Sciences (APS), No seminar. Spring Break.

March 22

Applied Plant Sciences (APS), Susan Reynolds, APS Graduate Student, Agronomy and Plant Genetics, "Coconut and Cacao: The Effects of an Intercropping System," 3:30 p.m., 306 Borlaug Hall.

March 23

Great Conversations Series, Dr. Jeffrey Kahn & Dr. Harold Shapiro, "Bioethics in the National Spotlight," Ted Mann Concert Hall, Tuesday, March 23, 7:30 pm. <http://www.cce.umn.edu/conversations>

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, Oconto, Wisconsin. Required: Master's or other graduate degree with content expertise, and at least one degree, in a field that relates to the responsibilities of this position such as dairy science, animal science, agricultural economics and/or agriculture education. Closing date: March 31, 2004. <http://www.uwex.edu/ces/personnel/>

UNIVERSITY OF NEBRASKA, LINCOLN

Part-time Horticulture Specialist, Department of Agronomy and Horticulture. MS in horticulture with emphasis in plant propagation and woody plants plus one year horticulture experience required. Review of resumes will begin March 19, 2004.

COLORADO STATE UNIVERSITY

A postdoctoral research associate, Wheat Breeding and Genetics Program, Soil and Crop Sciences Department, Fort Collins, Colorado. PhD in plant breeding, cereal chemistry, or a related field is required. Closing date: April 1, 2004. <http://www.colostate.edu/Depts/SoilCrop/>

Agronomy Gleanings, March 22, 2004

3/22/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

March 22, 2004

## ANNOUNCEMENTS

Birth Announcement. Cashen Ferguson Naeve was born on March 17 at 7:55 pm. (8lb-13oz and 21"). Parents -- Seth Naeve and Cathy Iverson-Naeve. His big brother (14 yrs) is Jeffrey Iverson.

The Annual APS Graduate Student Soup Lunch was a great success due to generous participants donating soups, desserts, and money. We raised \$286.53 for the Second Harvest Heartland food shelf. Thank you to everyone who participated and made this event a success. --APS Graduate Soup Lunch Committee

Celebratory Coffee! Come congratulate Distinguished McKnight University Professors Nevin Young, Plant Pathology, and Mike Sadowsky, Soil, Water and Climate. Join us for bagels and cream cheese, coffee, juice, and fruit, Friday, March 26, 10:30 a.m. in the Atrium and Seminar room of the Cargill Building for Microbial and Plant Genomics. Dean Chuck Muscoplat; Ed Nater, Head-Soil, Water and Climate; Frank Pflieger, Head-Plant Pathology; and Ken Valentas, Director-BTI will say a few words.

The Departmental Shape-Up Challenge begins on Monday, March 29. Send an email to Jeff Roessler ([roess001@umn.edu](mailto:roess001@umn.edu)) if you would like to sign up. Details and Tally Sheets in 411 Borlaug Hall.

Classes Without Quizzes, Sat., April 3. Website: <http://alumni.coafes.umn.edu/cwq/default.asp>

Norman Borlaug celebrates his 90th birthday on Thursday, March 25. Borlaug won the Nobel Peace Prize in 1970 for his work to increase food production. Two ways you can join in celebrating Norman Borlaug's birthday: Join us for birthday cake and a short program at 11 a.m. on Thursday, March 25 in the foyer outside the Plant Pathology library. Send a birthday greeting to Norman Borlaug from our website. [www.coafes.umn.edu/birthday](http://www.coafes.umn.edu/birthday). The birthday greetings will be presented to Dr. Borlaug on May 9 when he is on campus to deliver the commencement address to our College's graduating class. The Minnesota Legislature is also honoring Norman Borlaug. Bills in the Minnesota Legislature (Senate File 2537, House File 2878) designate October 16 as Dr. Norman Borlaug World Food Prize Day. Sen. Ellen Anderson and Rep. Alice



Hausman, are sponsoring the bill. There is a possibility that the House and Senate may both pass the bill on March 25, Borlaug's birthday. Borlaug did his undergraduate work in Forestry at the U of Minn. and received his Master's and Ph.D. in Plant Pathology from our College. He received the Nobel Peace Prize for his central role in the 'green revolution' and improving wheat production. Borlaug is credited with saving more lives than any other scientist and his work hasn't stopped. Already in 2004, his hunger-fighting duties have taken him to Africa and Brazil. For more info about Norman Borlaug see [www.coafes.umn.edu/borlaug](http://www.coafes.umn.edu/borlaug).

2004 Phillip C. Hamm Memorial Lecture, "Duplication of Genes, Divergence of Function, and Diverse Morphology in Cereals and Other Grasses," Dr. Elizabeth A. Kellogg, Department of Biology, University of Missouri-St. Louis, Tuesday, April 20, 335 Borlaug Hall. Reception: 3:45. Awards Ceremony and Lecture: 4:00 pm, St. Paul Campus. Everyone is welcome.

The University of Minnesota Alumni Association's 100th anniversary gala finale is Thursday, May 6, 2004. The featured keynote speaker is internationally acclaimed composer and University of Minnesota alumnus Yanni ('76). Group tickets of 10 or more for dinner and program are on sale now. Call Northrop Ticket Office at 612-625-8878 and take advantage of the early bird discount. General public tickets are on sale Monday, March 22 by calling Northrop Ticket Office at 612-624-2345. For more information visit [www.alumni.umn.edu/annualcelebration](http://www.alumni.umn.edu/annualcelebration)

## SEMINARS

March 23

Plant Biological Sciences, Dr. Maureen Stanton, University of California/Davis, "Evolutionary responses of plants to environmental heterogeneity," 3:30 pm, 335 Borlaug Hall.

March 23

Great Conversation, "Bioethics in the National Spotlight," Jeffrey Kahn & Harold Shapiro, Ted Mann Concert Hall, 7:30 p.m. Website: <http://www.cce.umn.edu/conversations>

March 24

WUSA & MISA, Janelle Sorenson, Outreach Coordinator for the Environmental Association for Great Lakes Education (EAGLE), "Agricultural Pesticides and Environmental Health," 12 noon, 306 Borlaug Hall.

March 24

Biochemistry, Molecular Biology & Biophysics, "Harnessing the Human Proteome," Dr. Joshua LaBaer, Harvard Institute of Proteomics, Cambridge, MA, 4:00 pm, 3-120 MCB, Minneapolis Campus.

March 25

BioTechnology Institute, Prof. Keith E. Weaver, University of South Dakota, Department of Microbiology-Medical School, "Of Loops, Helices, and Bulges: antisense regulated programmed cell death in the Gram-positive bacterium *Enterococcus faecalis*," 3:30 pm, 239 Gortner Laboratory.

March 26

BioAgEng, "Grant Opportunities with the NCR-SARE Program," William Wilcke, Professor, Biosystems and Agricultural Engineering, 2:00 pm, 106 BioAgEng.

March 29

Plant Pathology, Dr. Stan Hokanson, Department of Horticultural Science, "Many are called, few are chosen: Looking for a few cold hardy, showy, disease resistant woody landscape plants," 3:00 pm, 365 Borlaug Hall.

March 29

Applied Plant Sciences (APS), Martin Arbelbide, APS student in Department of Agronomy and Plant Genetics, "Linkage disequilibrium and population structure," 3:30 p.m., 306 Borlaug Hall.

March 31

Biochemistry, Molecular Biology & Biophysics, "Lessons from the Battleground of Virus-Host Interactions," 4:00 pm, 3-120 MCB, Minneapolis.

March 31

2004 Kermit A. Olson Memorial Lecture, Dr. Paul W. Boslan, "Homage to the Chile Pepper." Awards and Scholarship presentation at 3:30 pm, Lecture at 4:00 pm, 33 McNeal Hall. Reception to follow in 310 Alderman Hall.

April 2

William E. Larson and Raymond R. Allmaras Lecture Series, Emerging Issues in Soil and Water, Dr. R. Eugene Turner, Louisiana State University, "Linking Landscape and Water Quality in the Mississippi River Basin for 200 Years," 2:00 pm, 335 Borlaug Hall. Reception follows.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### THE CENTER FOR URBAN AND REGIONAL AFFAIRS (CURA)

2004-2005 Fesler-Lampert Chair in Urban and Regional Affairs. Closing date: 4:30 pm, April 16, 2004. <http://www.cura.umn.edu/chairapp.html>

#### USDA, ARS

Rice Molecular Genetics position, Dale Bumpers National Rice Research Center, Stuttgart, Arkansas. A degree in genetics or a related scientific discipline is required.

Website: <http://www.ars.usda.gov>. Position ARS-X4S-0112. Closing date: April 2, 2004.

#### UMORE PARK

Summer Internship Research Plot Technician, Agronomy/Soils/Horticulture, Rosemount, Minn. Start date: May 17, 2004. End date: Sept. 3, 2004.

#### WEST CENTRAL RESEARCH/OUTREACH CENTER

Summer Student Intern/Summer Student Worker, approximately mid-May to the end of August, Morris, Minn.

#### UNIVERSITY OF MARYLAND

Chair, Department of Natural Resource Sciences and Landscape Architecture, University of Maryland-College Park. Doctorate in Plant Science, Soil Science, Horticulture, Agronomy, Landscape Architecture or a closely related field and internationally recognized for accomplishments in research, teaching, and/or extension commensurate with the rank of tenured professor. Closing date: May 1, 2004.

#### USDA, REE, ARS

Supervisory Research Plant Pathologist/Research Geneticist (Plants)/Research Entomologist/Research Horticulturist, U.S. Vegetable Laboratory, Charleston, SC. Closing date: May 3, 2004.

#### UNIVERSITY OF MINNESOTA, EXTENSION

Executive Director, Southeast Minnesota Sustainable Development Partnership, "Experiment in Rural Cooperation," Extension Regional Center, Rochester, Minn. Master's degree. Closing date: April 19, 2004.

#### UNIVERSITY OF MINNESOTA, EXTENSION

Jr. Scientist, Department of Agronomy and Plant Genetics. Bachelor's degree in an agricultural discipline or education in agronomy or with work experience related to the job totaling at least 4 years.

#### UNIVERSITY OF ARKANSAS

Half-time Master of Science Graduate Assistantship in Weed Science, Department of Crop, Soil, and Environmental Sciences, Fayetteville, AR. B.S. in agriculture with a strong science background and a 3.00 GPA or higher. Position available: May 1, 2004.

#### UNIVERSITY OF MINNESOTA, EXTENSION

Regional Extension Educator, Crops (three full-time positions), Agriculture, Food and Environment, (AFE), Extension Regional Centers in Albert Lea, Hutchinson and Worthington, Minn. Master's degree in agronomy, soil science, weed science, engineering, entomology, plant pathology, plant science, agricultural education, sustainable agriculture or a related discipline. Closing date: April 22, 2004. Interview dates: May 25-27, St. Paul Campus.

## MONSANTO

Research Assistant, Breeding Technology, Research and Development, Ames, Iowa.  
BS degree in agronomy, plant science, or related discipline or 3 years agricultural  
research experience. Apply online [http://sh.webhire.com/servlet/av/jd?  
ai=554&jj=1358534&sn=A](http://sh.webhire.com/servlet/av/jd?ai=554&jj=1358534&sn=A)

Agronomy Gleanings, March 29, 2004

3/29/2004 8:00 AM

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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

March 29, 2004

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 Annual APS Graduate Student Soup Lunch was a great success due to generous participants donating soups, desserts, and money. Jane Brown, Executive Director, Second Harvest Heartland, would like to thank everyone for the generous contribution. In 2003, over 96% of Second Harvest revenues were applied directly to programs. Each dollar donated helps to provide up to nine dollars worth of grocery products to the agencies supported by Second Harvest. On behalf of the staff and Board of Second Harvest Heartland, Jane would like to thank everyone who participated and made this event a success.

### Training for Controlled Substances (April 1)

The Office of Regulatory Affairs is offering a training session for everyone who uses controlled substances in research at 1:00 pm on April 1, 2004, in 4-101 Basic Sciences and Biomedical Engineering. This one-hour training will cover controlled substance record-keeping, inventory, audits and the standard operating procedure. This is NOT a new training requirement. Space is limited so pre-register at: <https://onestop2.umn.edu/training/courseDetail.jsp?course=RA0001>. Some users will need to press the CTRL key as they click on register for session.

The Departmental Shape-Up Challenge begins Monday, March 29. Send an email to Jeff Roessler ([roess001@umn.edu](mailto:roess001@umn.edu)) if you would like to sign up. Details and Tally Sheets are located in 411 Borlaug Hall. Remember, Tuesday, March 30 is a double point day!

Classes Without Quizzes, Sat., April 3. Website: <http://alumni.coafes.umn.edu/cwq/default.asp>

2004 Life Sciences Undergraduate Research Symposium, April 28, 2004, Coffman Great Hall, University of Minnesota, Minneapolis Campus. Presentations 1:30-4:30 pm, Reception and Poster Awards 4:30-6:00 pm. Research topics will include protein trafficking, soil greenhouse gases, vascular remodeling, genomics and proteomics, gene therapy, etc. Poster design workshop, April 7, Abstract deadline April 9. For information and to register: [cbs.umn.edu/honors/symposium](http://cbs.umn.edu/honors/symposium).

Lu Oliveira, a former student of Dr. Rasmusson, has just released his book *Understanding Biotechnology into China* after translation into Mandarin. The English version released in 2003, is currently used in 9 U.S. institutions of higher education including the University of Minnesota, Texas A&M, Arizona State, and NDSU.

2004 COAFES Technology Grant Program.

**CALL FOR PROPOSALS.** As a component of the collegiate technology fee, we are calling for proposals from faculty, staff and student groups that will serve to further information access, educational delivery, and/or community building within the College of Agricultural, Food and Environmental Sciences. Ten to 12 development grants will be awarded for up to \$5,000 and requiring a 50% match (in kind acceptable; waived in the case of student groups). Proposals (two pages maximum) must be submitted via e-mail by 4:30 pm, Friday, APRIL 9, 2004. Contact Paul Brady ([pbrady@umn.edu](mailto:pbrady@umn.edu); 5-2780) with any questions.

## SEMINARS

March 30

Plant Biological Sciences, Dr. Peter Graham, Dept. of Soil Water and Climate, "Serendipity and perturbation in the legume-Rhizobium symbiosis," 3:30 pm, 335 Borlaug Hall.

March 31

WUSA & MISA, Deb Brister, Research Fellow with the International Center for Global Change, "Sustainable Aquaculture," 12 noon, 306 Borlaug Hall. (CANCELLED)

March 31

Biochemistry, Molecular Biology & Biophysics, "Lessons from the battleground of virus-host interactions," Dr. Matthew Weitzman, Salk Institute, University of California-San Diego, 4:00 pm, 3-120 MCB, St. Paul Campus.

March 31

Biochemistry, Molecular Biology & Biophysics, "Lessons from the Battleground of Virus-Host Interactions," 4:00 pm, 3-120 MCB, Minneapolis.

March 31

2004 Kermit A. Olson Memorial Lecture, Dr. Paul W. Boslan, "Homage to the Chile Pepper." Awards and Scholarship presentation at 3:30 pm, Lecture at 4:00 pm, 33 McNeal Hall. Reception to follow in 310 Alderman Hall.

April 2

William E. Larson and Raymond R. Allmaras Lecture Series, Emerging Issues in Soil and Water, Dr. R. Eugene Turner, Louisiana State University, "Linking Landscape and Water Quality in the Mississippi River Basin for 200 Years," 2:00 pm, 335 Borlaug Hall. Reception follows.

April 5

Plant Pathology, Dr. Fred Gray, University of Wyoming, "Integrated management of the sugar beet nematode, *Heterodera schachtii*," 3:00 pm, 365 Borlaug Hall. In addition, Dr. Gray will present an update on his continuing research on *Phoma sclerotoides*, the causal organism of brown root rot of alfalfa. This will be held at 10:00 am, 306 Borlaug.

April 5

Applied Plant Sciences (APS), Dindo Tabanao, APS student in Department of Agronomy and Plant Genetics, "Variation under domestication: Darwin's pigeons and America's corn," 3:30 pm, 306 Borlaug Hall.

April 13

Great Conversation, "Predicting the World's Ecological Future." David Tilman and Jared Diamond, Ted Mann Concert Hall, 7:30 p.m. Website: <http://www.cce.umn.edu/conversations>

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### USDA-ARS

Biological Science Laboratory Technician (Plants). Temporary (2-year appointment with possible extension up to 4 years), full-time position at the USDA-ARS Plant Science Research Unit located on the St. Paul campus of the U of MN. Duties will involve conducting molecular and biochemical research on cell wall structure of herbaceous forages to be used as biofuel feedstocks. Closing date April 19, 2004. For more information, refer to Job Posting Book in 411 Borlaug or go to [www.ars.usda.gov](http://www.ars.usda.gov) (announcement # ARS-D4W-0214).

### UNIVERSITY OF WISCONSIN, EXTENSION

Horticulture Educator-50%, Walworth County. Bachelor's degree with content expertise, and at least one degree in a field that relates to the responsibilities of this position such as horticulture, plant science, or agriculture education. Review of applications will begin April 14, 2004.

UNIVERSITY OF WISCONSIN, EXTENSION

Horticulture Educator, Kenosha County. Bachelor's degree with content expertise, and at least one degree in a field that relates to the responsibilities of this position such as horticulture. Review of applications will begin April 14, 2004.

JOBS IN HORTICULTURE, INC.

[www.hortjobs.com](http://www.hortjobs.com)

The employment newspaper and website for the Green Industry.



Agronomy Gleanings, April 5, 2004

4/5/2004 8:00 AM

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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

April 5, 2004

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

Preparing Future Faculty Retreat.

The PFF retreat will be held on Tuesday, May 18, 8:30 am - 2:00 pm in 274 McNeal Hall. A \$10 registration fee includes lunch, workshop materials and a packet on job search tips and tools. 60 spaces are available! Reserve your space now: <http://www1.umn.edu/ohr/teachlearn/PFFretreat1.html> (check or cash); <http://www1.umn.edu/ohr/teachlearn/PFFretreat1.html> (Dept. CUFs). For further information on the retreat: <http://www1.umn.edu/ohr/pff>. Center for Teaching and Learning Services, 612-625-3811, [pff@umn.edu](mailto:pff@umn.edu).

2004 COAFES Technology Grant Program.

CALL FOR PROPOSALS. As a component of the collegiate technology fee, we are calling for proposals from faculty, staff and student groups that will serve to further information access, educational delivery, and/or community building within COAFES. Ten to 12 development grants will be awarded for up to \$5,000 and requiring a 50% match (in kind acceptable; waived in the case of student groups). Proposals (two pages maximum) must be submitted via e-mail by 4:30 pm, Friday, APRIL 9, 2004. Contact Paul Brady ([pbrady@umn.edu](mailto:pbrady@umn.edu); 5-2780) with any questions.

The Departmental Shape-Up Challenge.

Captains, remember to report your team point totals to Jeff Roessler by 10:00 Tuesday. Also, everyone remember Wed., April 7 is a Double Points day!

Safety Training Session

Mr. David Golden, Director, Public Health, Marketing and Program Development, Boynton Health Service, "Beating the heat: How to avoid heat stress." As summer approaches, many will be working outside and it is important for employers and employees to work safely and avoid heat related injuries. This session will cover factors

leading to heat stress, heat disorders, and health effects, first aid and management. It will be useful for anyone working outside, in the greenhouses or anywhere you may be exposed to high temperatures. The seminar is Thursday, April 15, 10:30-11:30, 105 Cargill Building. For more information contact Todd Burnes at 612-625-6231 or burne002@umn.edu

## SEMINARS

April 6

Plant Biological Sciences

Dr. Olga Danilevskaya, Research Scientist, Pioneer Hi-Bred Intl., "Genetic and genomic approaches for understanding complex agronomic traits," 3:30 pm, 335 Borlaug Hall.

April 7

Plant Molecular Genetics Institute and The Center for Microbial & Plant Genomics Discussion Series. Dr. Paul A. Lefebvre, Dept. Of Plant Biology, "The role of kinases in the control of flagellar length in Chlamydomonas," 12:00 pm, 105 Cargill Bldg.

April 7

Biochemistry, Molecular Biology & Biophysics Dr. Constantine Londos, Laboratory of Cellular and Developmental Biology, NIDDK, National Institutes of Health, "The PAT family of proteins and lipid metabolism from flies to mammals," 4:00 pm, 3-120 MCB, Minneapolis Campus.

April 12

Plant Pathology

Ben Millett, Department of Plant Pathology, "Graduate Student Seminar," 3:00 pm, 365 Borlaug Hall.

Agronomy Gleanings, April 14, 2004

4/14/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

April 14, 2004

## ANNOUNCEMENTS

Shape Up Challenge. There are 133 participants in this year's Shape Up Challenge. 117 out of 133 earned 200 points or more and were eligible for our first week's drawing. Congratulations to our first week's winner, Carroll Vance. Carroll receives a \$20 gift certificate to Ciatti's Italian Restaurant.

Top five teams with the highest team point average for week #1 are:

589 Points - Wild OMAs

528 Points - Legumaniacs

490 Points - Hip Hip Away

469 Points - Forageurs

435 Points - Sustainable Bodies

Check out the Shape Up Challenge bulletin board, 3rd floor of Hayes Hall. If your team isn't represented, your team photo can still be added. Contact Jeff Roessler if your project does not have a digital camera.

Team captains were given the April issue of the Hope Health Newsletter during week #2 to distribute to their team members. Due to the large participation this year, some team members may be asked to share. One issue is also posted on the Shape Up Challenge bulletin board.

Double points day is Thursday, April 15th. Walk or run your income tax to the Post Office. Keep on exercising!

University Stores 2004 Lab Fest, Wednesday, April 14, at the Radisson Metrodome, 10:00 - 3:00, and Thursday, April 15, at the St. Paul Student Center, North Star Ballroom, 10:00 - 2:00.

Minnesota Royal. For a complete list of activities:

<http://alumni.coafes.umn.edu/mnroyal>.

Safety Training Session, "Beating the Heat: How to Avoid Heat Stress," Mr. David Golden, Director, Public Health, Marketing and Program Development, Boynton Health Service, Thursday, April 15, 10:30-11:30 am, Cargill Building for Microbial and Plant Genomics, Room 105.

Perennial woody plant species products (Woodcarvings) show and sale at Har Mar Mall, Saturday, April 17, 10-6 and Sunday, April 18, noon to 5. Talk with woodcarvers, watch woodcarvers at work, view hundreds of wood carvings in many styles. Family entertainment with no admission charge.

Gopher Crops and Soils Club Officers, 2004.  
President - Erik Nelson (nels2051@umn.edu)  
Vice-President - Justin Pinter (pint0023)  
Secretary - Leann Beumer (beum0005)  
Treasurer - Jason Resch (resc0028)  
Ag Board Rep - Jeanna Christenson (chri1014)  
Historian - Stephanie Leuer (leue0010)  
Crops Kit Chr - Ryan Thelemann (thel0059)  
Crops Kit Chr - Paul Werner (wern0114)

Aimin Liu recently edited a book entitled "International Development of Kenaf and Allied Fibers", which has been published.

North Central Sustainable Agriculture Research and Education (SARE) Program announces 2005 call for preproposals?Research/Education Program [www.sare.org/nrcsare/cfp.htm](http://www.sare.org/nrcsare/cfp.htm). Deadline: 6/15/04.

Agronomy's day at the Fair will be Friday, September 3. We have four time slots of three hours each on that day: 9-12:00 noon; 12-3 p.m.; 3-6 p.m. and 6-9:00 p.m. The college would like 3 volunteers for each time slot. Please email Jeanne Davy (davyx001@umn.edu) by April 23 if you would like to volunteer.

Outstanding Alumni Award to Dr. Michael V. Martin, VP for Agriculture and Natural Resources, University of Florida, Friday, April 23, Room 119, Classroom Office Building. Reception at 3:00 pm, with presentation and address at 3:30. Title: "A Few Observations About the Economics of University Administration."

President's 21st Century Interdisciplinary Conference Series, "Intellectual Property Rights for the Public Good: Obligations of U.S. Universities to Developing Countries," Thursday, April 29, 8:00-5:00 p.m., St. Paul Student Center Theater. On-line registration and details at <http://www.lifesci.consortium.umn.edu/conferences/ip.php>

Senior Send-Off Aboard the Andiamo. Join the Alumni Society and Student Board for a night of fun and food aboard the Andiamo river boat as we say good luck to the Seniors. College alumni, faculty, staff, seniors and friends will leave port on the banks of the St. Croix River in Stillwater at 6:30 p.m. on Friday, April 30, for a beautiful 2- hour cruise. Alumni, faculty, staff and friends pay just \$20 per person to join the Seniors on a fun-filled evening aboard the Andiamo. Students pay just \$10. Visit <http://alumni.coafes.umn.edu/events/seniorsendoff.htm> for details and to reserve your spot.

University of Minnesota Kolshorn Lecture, Dr. Peter H. Gleick, President, Pacific Institute for Studies in Development, Environment, and Security, "The Power of Water: A vision for water in the 21st century," Tuesday, April 20, Bell Museum Auditorium. Reception 4:30 pm. Seminar 5:15 pm. Free and open to the public.

The North Central Division Meeting of the American Phytopathological Society will be hosted this year by the Department of Plant Pathology, University of Minnesota. The meeting will be held in the St. Paul Continuing Education and Conference Center (formerly known as the Earl Brown Center) on June 23 and 24. The one-day scientific program on the 24th includes a mini-symposium ("Deliberate Strangers: Detection and Movement of Plant Pathogens"), several offered oral paper sessions, and poster presentations. Abstracts are due by May 21 for offered oral paper and poster presentations. Early registration deadline is also May 21. Detailed information can be found at <http://www.oardc.ohio-state.edu/ncaps/>.

5th European Conference on Grain Legumes, "Legumes for the benefit of agriculture, nutrition and the environment: their genomics, their products, and their improvement," June 7-11, Dijon, France. <http://www.grainlegumes.com/>

## SEMINARS

April 14

WUSA & MISA, Lillian Magidow, Recipient of the Theodora and Arnold A. Johnson Research Scholarship, "Farmer Perspectives on Maize, Globalization, and Change in Chiapas Mexico," 12 noon, 306 Borlaug Hall.

April 14

Center for Microbial and Plant Genomics, Dr. Fumi Katagiri, Plant Biology, "How plants find and battle with their enemies (and how we want to study it)," 12:00 noon, Room 105 Cargill-MPG.

April 14

Applied Plant Sciences (APS), Angel Lara, Graduate Student in Horticultural Science, "Breeding methods against Black Sigatoka in bananas," 3:30 pm, 310 Alderman Hall.

April 14

Biochemistry, Molecular Biology and Biophysics, "Regulation of Cytokinesis by a Cdk Substrate, PRC1," Dr. Wei Jiang, Cancer Genetics and Epigenetics, The Burnham Institute, La Jolla, CA, 4:00 pm, 3-120 MCB, Minneapolis Campus.

April 15

BioTechnology Institute, Dipen Sangurdekar, Microbial Engineering Graduate Student, Univ. of Minnesota, "Exploring the transcriptional variability in heterogeneous cell populations," 3:30 p.m., 239 Gortner Lab.

April 19

Applied Plant Sciences (APS), Sonia Bolvaran, Graduate Student in Horticultural Science, "Breeding for resistance to Grapevine Fanleaf Virus and its vector Xiphinema index in grape," 3:30 pm, 306 Borlaug Hall.

April 19

Buehler-Martin Distinguished Lecturer Series, Elizabeth Thompson, Dept. of Statistics, Univ. of Washington, "Inferring Relationships Among Populations and Individuals," EE/CSci 3-230, 4:00 p.m., Minneapolis Campus. Refreshments: 3:30 pm, Ford Hall 300.

April 20

Plant Biological Sciences, Philip C.. Hamm Memorial Lecture, Dr. Elizabeth Kellogg, Department of Biology, University of Missouri-St. Louis, "Duplication of genes, divergence of function, and diverse morphology in cereals and other grasses," Reception: 3:45-4:00 pm., Borlaug Hall Lobby; Awards Ceremony & Lecture: 4:00-5:30 pm, Room 335 Borlaug Hall, St. Paul Campus.

April 20

Buehler-Martin Distinguished Lecturer Series, Elizabeth Thompson, Dept. of Statistics, Univ. of Washington, "The Structure of Pedigree Data and the Detection of Linkage," Rapson Hall 100, 4:00 p.m., Minneapolis Campus. Refreshments: 3:30 pm, Ford Hall 300.

April 21

Applied Plant Sciences (APS), Aaron Colson, Graduate Student in Agronomy and Plant Genetics, "The Agricultural Contribution to Hypoxia," 3:30 pm, 310 Alderman Hall.

April 21

Gene(sis): Contemporary Art Explores Human Genomics, Roundtable Discussion, "The Future of Food," 7:00 p.m., Coffman Memorial Union Theater. --Frederick R. Weisman Art Museum program

April 22

Buehler-Martin Distinguished Lecturer Series, Elizabeth Thompson, Dept. of Statistics, Univ. of Washington, "Monte Carlo Likelihood in Genetic Mapping," Ford Hall 115, 4:00 p.m., Minneapolis Campus. Refreshments: 3:30 pm, Ford Hall 300.

April 23

Special Seminar, Drs. Russ Gesch and Frank Forcella, USDA-ARS Soils Lab, Morris, Minn., "Cuphea, a New Oilseed Crop for Minnesota: Research, Uses, and Commercial Prospects," 12:00 noon, 306 Borlaug Hall.

POSITION ANNOUNCEMENT (Posted in notebook in 411 Borlaug Hall)

SYNGENTA SEEDS, INC.

Research Associate. BS with experience in corn research activities.

Agronomy Gleanings, April 19, 2004

4/19/2004 8:00 AM

## 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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WEB <http://agronomy.coafes.umn.edu/>

April 19, 2004

## ANNOUNCEMENTS

Shape Up Challenge. Congratulations to Burle Gengenbach, our second week Shape Up Challenge winner. Burle is a member of team 411 and earned 1320 points to qualify for the weekly drawing. Burle commented it was helpful for him to be on vacation when he could take the time to earn all those points hiking in the National Parks of Utah. Burle receives a \$20.00 gift certificate to Cub Foods.

Shape Up Challenge Week #2. Top five teams with highest TEAM AVERAGE are:

519 Ave pts - Wild OMAs

509 Ave Pts - Sustainable Bodies

480 Ave Pts - Hip Hip Away

476 Ave pts - Team 411

422 Ave pts - Stray Cats

Check out the Shape Up Challenge bulletin board, 3rd floor Hayes, for a closer look at the competition. Team photos are still being added. Don't forget?double points day for week #4 is Friday, April 23rd. Keep on exercising and earning those points!

Beautiful U Day (April 22) is an annual initiative celebrating the University of Minnesota's natural resources, buildings, and grounds. A tradition since 1997, Beautiful U Day combines hands-on beautification efforts with academic forums to celebrate the Twin Cities campus and acknowledge our responsibility to maintain our physical and natural resources. Beautiful U Day 2004 Event Schedule: <http://www.facm.umn.edu/BeautifulU/>

The Office for University Women presents its spring "Celebrating University Women" Awards Program, April 22, 2:30-4:30 p.m., Coffman Memorial Union Mississippi Room. RSVP: 625-2385 or [women@umn.edu](mailto:women@umn.edu).

President's 21st Century Interdisciplinary Conference Series, "Intellectual Property Rights for the Public Good: Obligations of U.S. Universities to Developing Countries," Thursday, April 29, 8:00-5:00 p.m., St. Paul Student Center Theater. On-line registration and details at <http://www.lifesci.consortium.umn.edu/conferences/ip.php>

Be Delighted Spring Celebration, for University Students and Staff, Thursday, May 6, 4:00-6:00 pm, Weisman Art Museum, Minneapolis Campus. Be Delighted by an evening that will inspire your creative senses! RSVP by Monday, May 3, 626-4747. Be Delighted Discount Days (20% off purchases) May 6-May 12.

The 6th Annual Bollum Symposium, "Proteomics: Advancing Our Understanding of Biology," May 5th, 1:15 to 4:30 pm, 2-101 BSBE. Info: 612-625-6100.

Are you a golfer? Would you like to golf the U of M Les Bolstad Golf Course and help support scholarships for students in the College of Agricultural, Food and Environmental Sciences? Mark your calendars for the first College Alumni Society Golf Scramble on Tuesday, July 13. For more details contact Roger Caspers at [caspe005@umn.edu](mailto:caspe005@umn.edu) or 612-625-1994.

May Session Course, May 24-June 11, 2004. Molecular Plant-Microbe Interactions, Sponsored by the Plant Molecular Genetics Institute, PBIO 5960: Special Topics in Plant Biology. Contact Dr. Michael Sadowsky ([sadowsky@umn.edu](mailto:sadowsky@umn.edu)) to enroll in the class.

## SEMINARS

April 20

Phillip C. Hamm Memorial Lecture, "Duplication of Genes, Divergence of Function, and Diverse Morphology in Cereals and Other Grasses," Dr. Elizabeth A. Kellogg, Dept. of Biology, University of Missouri-St. Louis. Reception: 3:45 pm, Borlaug Hall Lobby; Awards Ceremony & Lecture: 4:00-5:30 pm, 335 Borlaug Hall, St. Paul Campus.

April 21

MISA & WUSA, Lindsey Chaplin, advisor for HECUA's Environmental Sustainability Program, "Environmental Sustainability: Science, Public Policy, and Community Action, a New HEUCA Program at the U," 12:00 noon, 306 Borlaug Hall.

April 21

Plant Molecular Genetics Institute and the Center for Microbial & Plant Genomics, Dr. Kevin Watts, Dept. of BMBB, Univ. of Minnesota, "Exploring Recombinant Flavonoid Biosynthesis in Metabolically Engineered Escherichia coli," 12:00 pm, 105 Cargill Building, St. Paul Campus.

April 21

Applied Plant Sciences (APS), Aaron Colson, Graduate Student in Agronomy and Plant Genetics, "The agricultural contribution to coastal hypoxia: A consideration of nitrogen," 3:30 pm, 310 Alderman Hall.

April 21

Biochemistry, Molecular Biology & Biophysics, Dr. Thomas Floss, GSF Institute of



Developmental Genetics, Munich, Germany, "16,000 Pre-fabricated Knockouts: Functional Analysis of the Mouse Genome by Gene Trapping," 4:00 pm, 3-120 MCB, Minneapolis Campus.

April 21

Gene(sis): Contemporary Art Explores Human Genomics, Roundtable Discussion, "The Future of Food," 7:00 p.m., Coffman Memorial Union Theater. ?Frederick R. Weisman Art Museum program

April 23

Special Seminar, Drs. Russ Gesch and Frank Forcella, USDA-ARS Soils Lab, Morris, Minn., "Cuphea, a New Oilseed Crop for Minnesota: Research, Uses, and Commercial Prospects," 12:00 noon, 306 Borlaug Hall.

April 23

Center for Plants and Human Health, "Treatment of HIV Infection: To Bee or Not To Bee," Phillip Peterson, MD, Director, Infectious Diseases and International Medicine, 1:30-3:00 pm, 306 Borlaug Hall.

April 23

Outstanding Alumni Award to Dr. Michael V. Martin, VP for Agriculture and Natural Resources, University of Florida, Room 119, Classroom Office Building. Reception at 3:00 pm, with presentation and address at 3:30. Title: "A Few Observations About the Economics of University Administration."

April 26

Applied Plant Sciences (APS), No Seminar. Written Preliminary Exam Discussion.

April 27

Plant Biological Sciences, "Creation and engineering of biosynthetic pathways," Dr. Claudia Schmidt-Dannert, BMBB, Univ. of Minnesota, 3:30 pm, 335 Borlaug Hall.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### OKLAHOMA STATE UNIVERSITY

Assistant/Associate Professor, Managed Ecosystems, Department of Plant and Soil Sciences, Stillwater, Oklahoma. Broadly trained with an earned PhD degree in an area related to Crop Science, Plant Science, Range Science, Soil Science, or closely related area. Application review begins June 15, 2004.

Agronomy Gleanings, April 28, 2004

4/28/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

April 28, 2004

## ANNOUNCEMENTS

Congratulations to first-time grandparents Ginger and Jim Walker on the birth of Riya Elisabeth Chattopadhyay (parents Julie and Robin). Riya was born April 26 at 12:28 a.m. Weight 7 lb. 8 oz. and 20 inches long. Baby pictures in 403 Hayes Hall.

Jane Jewett, departmental graduate and MISA employee, has been named an Aitkin County Farmer of the Year.

Congratulations to Shape Up Challenge winner Casey Kuderer! Casey is one of three members making up team Hip Hip Away, which also placed in the top five high point average for Week #3. Casey receives a \$20 gift certificate to Ciatti's Italian Restaurant. Week #3 top five high point average teams are:

624 pts - Forageurs

507 Pts - Hip Hip Away

500 pts - Sustainable Bodies

480 pts - Wild OMAs

448 pts - Legumaniacs

Laurie Brand, Senior Accountant in Plant Pathology, has accepted the position of Principal Accountant to replace Judy, effective June 1, 2004.

Greenhouse Space Requests. Please be sure to get your greenhouse space requests to Pam and Roger by May 31st. You can turn in a paper copy or go on line <http://greenhouses.coafes.umn.edu/>. Be aware that the current users of 415 will be moving. The 415 ranges will become teaching greenhouses.

Milestone Work Anniversaries. On Monday, June 7, the University will honor 472 civil service and bargaining unit employees who will celebrate milestone work anniversaries during this current fiscal year. The following members of our department will be invited to this event:

Ed Schiefelbein, 20 years

Suzanne Livingston, 20 years

Jeffrey Roessler, 25 years

Marilyn Swanson, 20 years

Phil Schaus, 25 years

The Gopher Crops and Soils Club will hold their annual barbecue on Friday, May 7 from 11:45 a.m. - 1:30 p.m. on the 3rd floor Borlaug Hall patio. Steak, baked beans, chips, potato salad and lemonade will be served. The cost is \$1.00, payable that day. Students, faculty and staff are welcome. (In case of rain, 306 Borlaug Hall is available.)

31st Annual H.K. Hayes Memorial Lecture and Hayes Graduate Student Award, "Role of International Crop Breeding," Dr. Masa Iwanaga, Director General, CIMMYT, Mexico, Friday, May 14, 105 Cargill Building for Microbial and Plant Genomics, 1500 Gortner Avenue, St. Paul. The H.K. Hayes Graduate Student Award will be presented to Lynn Litterer at 10:30 a.m. Lecture: 11:00-12:00 a.m. Reception: 12:00-1:00 p.m., Atrium, Cargill Building.

Next Faculty Meeting is scheduled for Monday, May 10, 10:00-12:00 noon, 408 Hayes Hall.

President's 21st Century Interdisciplinary Conference Series, "Intellectual Property Rights for the Public Good: Obligations of U.S. Universities to Developing Countries," Thursday, April 29, 8:00-5:00 p.m., St. Paul Student Center Theater. On-line registration and details at <http://www.lifesci.consortium.umn.edu/conferences/ip.php>.

Building Clean Out Program. The Agronomy Department can schedule a pick-up day in June to dispose of large, unwanted items, free of charge. Items include: furniture (desks, chairs, lamps, file cabinets), shelving, computer monitors, etc. Please contact Jean Swanson ([swans008@umn.edu](mailto:swans008@umn.edu)) if you would like to participate in this program. If you are removing items from university inventory, you will need to follow the appropriate protocol.

Interesting site on the web. Here's an online dictionary web site that may be of interest: <http://www.OneLook.com>. OneLook.com functions as a search engine, offering users a means of finding word definitions from many different dictionaries at the same time. Just type in the word you are looking for and you'll get a listing from different dictionaries.

Another great web site--just for fun. Book a Minute--Even overworked agronomists who are busy planting and writing grant proposals can find time for these hilarious summaries. <http://rinkworks.com/bookaminute/>

## SEMINARS

April 28

MISA & WUSA, Melissa Driscoll, Sustainable Ag Systems Minor, "Grazing Plans: My Internship with NRCS Grazing Specialist Howard Moechnig," 12:00 noon, 306 Borlaug Hall.

April 28

Microbial and Plant Genomics, Dr. Dan O'Sullivan, Food Science and Nutrition, "Dairy cultures: both healthy and tasty," 12:00 noon, Room 105 Cargill-MPG.

April 28

Applied Plant Sciences (APS), Cyrus Mahmoodi, APS Graduate Student in the Department of Agronomy and Plant Genetics, "Cheatgrass invasion of Great Basin rangelands," 3:30 pm, 310 Alderman Hall.

April 28

Biochemistry, Molecular Biology & Biophysics, Dr. Natalia Tretyakova, Medicinal Chemistry, University of Minnesota, "Mass Spectrometry Studies of Chemically Modified DNA," 4:00 pm, 3-120 MCB.

April 30

Plant Biological Sciences, Thesis Proposal, Kavitha Kuppusamy, PBS Graduate Student, Plant Biology, "Novel genes in symbiosis and signaling: Functional characterization of a symbiotic mutant in *Medicago truncatula*," 12:30 p.m., 105 Cargill Building.

May 3

Plant Pathology, Dr. Paul Peterson, Clemson University, "Barberry eradication in Minnesota: past, present, and future," 3:00 p.m., 365 Borlaug Hall.

May 3

Applied Plant Sciences (APS), Jen Jacobs, APS Graduate Student in Agronomy and Plant Genetics, "Domestication of man by a single wheat (*Triticum aestivum*) gene: Analysis of the chromosome pairing Ph1 locus," 3:30 p.m., 306 Borlaug Hall.

May 4

Plant Biological Sciences, Dr. Mannie Liscum, Univ. of Missouri, "Phototropism: light, hormones, gene expression, and cell elongation?what more can you want?," 3:30 p.m., 335 Borlaug Hall.

May 5

Applied Plant Sciences (APS), "Breeding objectives of cotton and genetics for fiber quality," Ahmed Sallam, APS student in the Department of Agronomy and Plant Genetics, 3:30 p.m., 310 Alderman Hall.

May 5

The 6th Annual Bollum Symposium, "Proteomics: Advancing Our Understanding of Biology," 1:15 to 4:30 p.m., 2-101 BSBE. Info: 612-625-6100. Hosted by the Department of Biochemistry, Molecular Biology and Biophysics.

May 10

Project Review, Dr. Jochum Wiersma, immediately following the faculty meeting, 306 Borlaug Hall.

May 11

Project Reviews, Drs. John Gronwald and Gary Muehlbauer, 12 noon, 306 Borlaug Hall.

May 11

Great Conversations, "Populism in the Heartland," Catherine Liu, Professor of Cultural Studies and Comparative Literature, and Thomas Frank, editor-in-chief of the journal of cultural criticism, The Baffler, consider the controversial question, "Can populism and democracy continue to be compatible in an age of Evangelism?," 7:30 p.m., Ted Mann Concert Hall. <http://www.cce.umn.edu/conversations>

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### USDA-ARS

Forage and Range Research Laboratory, Logan, Utah, is recruiting for two research plant geneticists to work on genetic improvement of cool season forages. One position will have a traditional plant breeding emphasis with a focus on plant/germplasm improvement and cultivar releases. The other position has a molecular orientation and focus on gene discovery and genetic/biological diversity. The official announcements can be found at <http://www.afm.ars.usda.gov/divisions/hrd/>

#### UNIVERSITY OF MINNESOTA

Assistant Dean for Administration, COAFES and MAES, St. Paul, Minn. Master's degree, plus a minimum of five years experience. Deadline: May 14, 2004.

#### UNIVERSITY OF FLORIDA

Plant Science Lecturer, Agronomy Department, Gainesville, Florida. An earned MS or PhD degree in Agronomy or closely-related plant science discipline. Closing date: May 10, 2004.

Agronomy Gleanings, May 5, 2004

5/5/2004 8:00 AM

## AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota

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WEB <http://agronomy.coafes.umn.edu/>

May 5, 2004

## ANNOUNCEMENTS

Shape Up Challenge. Tina Schmitt from the team Wild OMAs is week #4 Shape Up Challenge winner. Congratulations! Tina receives a \$20 gift certificate to Cub Foods.

Week #4 top five high point average teams:

624 pts - Forageurs

516 pts - Stray Cats

506 pts - Team 411

490 pts - Wild OMAs

453 pts - Sustainable Bodies

The May issue of the Hope Health Newsletter has arrived and been distributed to team captains. Remember teams with over 12 members will need to share.

Shape Up Challenge Grand Finale Luncheon Celebration is being planned. Watch for details to follow in next week's Gleanings.

Tuesday, May 4th was double points day for our 6th and final week. Keep active and keep earning those points!

Annual Barbecue. Faculty, staff, and students are invited to the Gopher Crops and Soils Club annual barbecue on Friday, May 7 from 11:45 a.m.-1:30 p.m. on the 3rd floor Borlaug Hall patio (306 Borlaug Hall if it rains). They will be serving steak, baked beans, chips, potato salad and lemonade all for the cost of \$1 (payable at the picnic). What a great deal! RSVP to Lynne Medgaarden [medga001@umn.edu](mailto:medga001@umn.edu) or 5-4742.

31st Annual H.K Hayes Memorial Lecture and Hayes Graduate Student Award, Friday, May 14, 2004. Graduate Student Award recipient: Lynn Litterer, 10:30 a.m., 105 Cargill Building for Microbial and Plant Genomics, 1500 Gortner Avenue, St. Paul Campus. Lecture: 11:00-12:00 p.m., "Role of International Crop Breeding," Dr. Masa Iwanaga, Director General, CIMMYT, Mexico, 105 Cargill Building-MPG. Reception: 12:00-1:00 p.m., Atrium, Cargill Building. --Department of Agronomy and Plant Genetics

H.H. Cheng, Professor Emeritus and former department head from the Department of

Soil, Water & Climate, will receive an Honorary Doctorate of Sciences degree from the University of Minnesota at our College's commencement ceremony on Sunday, May 9. Please join in honoring H.H., Monday, May 10, 3:00 to 5:00 p.m., Cargill Building-MPG, St. Paul Campus. Program at 4:00 p.m.

The Department Phone List has been updated. Hard copies are available in 411 Borlaug Hall.

Longfellow Minneapolis Apartment for Rent. Details in 411 Borlaug Hall.

Horticulture Club Annual Spring Plant Sale, Thursday, May 6 (11am-7pm), Friday, May 7 (11am-7pm), Saturday, May 8 (9am-5pm) and Sunday, May 9th (10am-3pm), SW corner of Larpenteur and Cleveland Avenues, St. Paul.

Farmer's Market Informal Survey. The Falcon Heights Farmer's Market opens June 1st, Tuesday mornings, 8AM - noon. An informal survey is being conducted to find out if students, faculty and staff would utilize the Campus Circulator to get to the market this summer. The idea being to have an estimate of the potential number of riders to back up a request of route change for the Circulator on Tuesdays. If you think you would use the Circulator, send an email to [wusa@umn.edu](mailto:wusa@umn.edu) with "Take the Bus to Market" in the subject line followed by your department; for example, "Subject: Take the Bus to Market-Agronomy." No promises, but depending on the response, we'll see what we can do. If you have additional comments please add them in the body of your message. Thanks! --WUSA

## SEMINARS

May 5

MISA & WUSA, Jennifer Adams, Senior in Environmental Science, "Extending the Season for Minnesota Growers: Techniques, Crops and Markets," 12:00 p.m., 306 Borlaug.

May 5

Plant Molecular Genetics Institute and The Center for Microbial & Plant Genomics, "Evolving enzymes for organic synthesis," Dr. Romas Kazlauskas, Assoc. Prof., Dept. of BMBB, 12:00 p.m., 105 Cargill Building, St. Paul Campus.

May 5

The 6th Annual Bollum Symposium, "Proteomics: Advancing Our Understanding of Biology," 1:15 to 4:30 p.m., 2-101 BSBE. Info: 612-625-6100. Hosted by the Department of Biochemistry, Molecular Biology and Biophysics.

May 5

Applied Plant Sciences (APS), "Breeding objectives of cotton and genetics for fiber quality," Ahmed Sallam, APS student in the Department of Agronomy and Plant

Genetics, 3:30 p.m., 310 Alderman Hall.

May 7

Applied Plant Sciences, M.S. Thesis Defense, Emily Wennerlind, Agronomy and Plant Genetics, "A 2600-loci chromosome bin map of wheat homoeologous group 2 reveals interstitial gene-rich islands and colinearity with rice," 10:00 a.m., Cargill Building-MPG.

May 10

Applied Economics, candidate for Professor and Head, Dr. Vincent H. Smith, Montana State University, Bozeman, "The Search for Excellence in Education and Research," 11:00 to 12:00 p.m., 143 Classroom Office Building, St. Paul Campus.

May 10

Project Review, Dr. Jochum Wiersma, immediately following the faculty meeting, 306 Borlaug Hall.

May 11

Project Reviews, Drs. John Gronwald and Gary Muehlbauer, 12 noon, 306 Borlaug Hall.

May 11

Great Conversations, "Populism in the Heartland," Catherine Liu, Professor of Cultural Studies and Comparative Literature, and Thomas Frank, editor-in-chief of the journal of cultural criticism, The Baffler, "Can populism and democracy continue to be compatible in an age of Evangelism?," 7:30 p.m., Ted Mann Concert Hall. <http://www.cce.umn.edu/conversations>

May 12

Center for Plants and Human Health Spring Symposium, "Continuing Research in Plants and Human Health," William G. Shepherd Room, Frederick R. Weisman Art Museum, 8:00 a.m - 1:00 p.m. No charge, but you must register in advance to receive a lunch ticket [cphh@umn.edu](mailto:cphh@umn.edu).

May 12

Center for Microbial and Plant Genomics, Dr. Phil Pardey, Applied Economics, "Bioscience Policy--Investments, Impacts and IPRs," 12:00 - 1:00 p.m., Room 105 Cargill-MPG.

May 12

Biochemistry, Molecular Biology & Biophysics, "Multiple Mechanisms of Male-specific Gene Regulation," Dr. Diane Robins, Univ. of Michigan, Ann Arbor, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

## POSITION ANNOUNCEMENTS

None this week.



Agronomy Gleanings, May 11, 2004

5/11/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

May 11, 2004

## ANNOUNCEMENTS

Congratulations to Shape Up Challenge winner Kari Jacobson! Kari receives a \$20 gift certificate to Ciatti's Italian Restaurant. Kari is one of eleven members forming the team Stray Cats, which has placed three times (Week #2, Week #4 and Week #5) in the top five high team point averages. Go Team!

Week #5 top five high point average teams are:

739 pts - Wild OMAs

709 pts - Sustainable Bodies

515 pts - Alafala's Little Rascals

479 pts - Stray Cats

474 pts - Forageurs

Shape Up Challenge Grand Finale - May 26th. Join team members for the free subway sandwich lunch on Wednesday, May 26, 2004, 12 noon in 306 Borlaug Hall. Ten individual grand prize gift certificates from Target will be awarded to individuals who earned 200 points minimum for all six weeks and one of the top five high point average teams will be awarded a Nelson's Cheese and Deli Lunch. Team captains, be sure to let Jeff Roessler know how many of your team members plan to attend and if any prefer a veggie sandwich. Participant gifts to arrive soon and will be distributed to team captains before the grand finale. More celebration details to follow in next week's Gleanings as this marks our department Syngenta Committee's 10th year for sponsoring the Shape Up Challenge.

A faculty and postdoctoral roundtable discussion with our H.K. Hayes Memorial Lecturer, Dr. Masa Iwanaga, Director General of CIMMYT, is scheduled for Friday, May 14, in 105 of the Cargill Building for Microbial and Plant Genomics, 9:30-10:15 a.m. CIMMYT is a premier international agricultural research center for maize and wheat and has undergone some significant changes in the past year. Please come and enjoy an engaging conversation with Masa.

31st Annual H.K Hayes Memorial Lecture and Hayes Graduate Student Award, Friday, May 14, 2004, Graduate Student Award Recipient: Lynn Litterer, 10:30 a.m., 105 Cargill Building for Microbial and Plant Genomics, 1500 Gortner Avenue, St. Paul Campus.

Lecture: 11:00-12:00 p.m., "Role of International Crop Breeding: Contributions to Humanity," Dr. Masa Iwanaga, Director General, CIMMYT, Mexico, 105 Cargill Building-MPG. Reception: 12:00-1:00 p.m., Atrium, Cargill Building.

Reception and Pizza Lunch Friday. Following the H.K. Hayes Lecture on Friday, May 14, at noon, there will be a reception and pizza lunch in the atrium of the Cargill Building. Everyone is invited.

2004 Summer Field Days

SROC-Waseca, June 22 <http://sroc.coafes.umn.edu/>

SWROC-Lamberton, July 7 <http://swroc.coafes.umn.edu/>

NWROC-Crookston, July 15 <http://www.nwroc.umn.edu/>

WCROC-Morris, July 16 <http://wcroc.coafes.umn.edu/>

Attempted bike theft. Yesterday, about 4:40 PM, Kevin Cavanaugh discovered that someone had attempted to steal his bike which was locked in the bike rack between Hayes and Christensen Lab. The rear wheel was severely bent rendering it unridable. This is a reminder to lock your bike and report any suspicious behavior to Campus Police.

Lot S108 Closing for the Summer--Effective Friday, May 14 at 11 p.m., the State Fairgrounds Parking Lot S108 will close for the summer. For information on rates and locations: <http://www.parkandtrans.umn.edu/parking.htm>

Magrath Library. RefWorks is the new Web-based citation management software available from the U Libraries. Sign up for a 1-hour hands-on class, at <http://www.lib.umn.edu/registration/> or check out the tutorial or step-by-step guide on the U Libraries RefWorks page, <http://www.lib.umn.edu/refworks/>

Gold Country 5K Run and Walk, Saturday, June 5, 9:30 a.m. Proceeds benefit Golden Gopher Intercollegiate Athletics. Also featuring, Goldy's Gallop for Kids and Gopher FanFest! To register, log onto <http://www.gophersports.com>

## SEMINARS

May 12

Center for Plants and Human Health Spring Symposium, "Continuing Research in Plants and Human Health," William G. Shepherd Room, Frederick R. Weisman Art Museum, 8:00 a.m - 1:00 p.m. No charge, but you must register in advance to receive a lunch ticket [cphh@umn.edu](mailto:cphh@umn.edu).

May 12

Center for Microbial and Plant Genomics, Dr. Phil Pardey, Applied Economics,  
"Bioscience Policy? Investments, Impacts and IPRs," 12:00 - 1:00 p.m., Room 105  
Cargill-MPG.

May 12

Biochemistry, Molecular Biology & Biophysics, "Multiple Mechanisms of Male-specific  
Gene Regulation," Dr. Diane Robins, Univ. of Michigan, Ann Arbor, 4:00 p.m., 3-120  
MCB, Minneapolis Campus.

May 13

Applied Plant Sciences (APS), M.S. Thesis Defense, "Textural, Microscopic and  
Molecular Analyses of Softening Related Changes in Apple Fruit During Storage,"  
Harpartap Mann, APS student in the Department of Horticultural Science, 9:00 a.m.,  
310 Alderman Hall.

May 17

Applied Economics, Department Head candidate, David Lambert, North Dakota State  
University, 11:00 a.m., 143 Classroom Office Building.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

None this week.

Agronomy Gleanings, May 18, 2004

5/18/2004 7:00 AM

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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)  
WEB <http://agronomy.coafes.umn.edu/>  
May 18, 2004

## ANNOUNCEMENTS

Recognition Party. Judy Slyter, Principal Accountant for the Departments of Agronomy and Soil, Water and Climate, will be retiring on June 11, 2004. Judy has worked for the University for 32 years; 32 years for Agronomy and 6 years for Soil, Water and Climate. A recognition party will be held for her on Friday, June 4 from 2:00 - 4:00 p.m. in 306 Borlaug Hall.

Congratulations to Shape Up Challenge winner Debra Elias-Morse! Debra is a member of the team Las Tortugas and receives a \$20 gift certificate to Cub Foods.

Week #6 top five high point average teams:

576 pts - Wild OMAs

558 pts - Forageurs

551 pts - Sustainable Bodies

457 pts - Team 411

455 pts - Stray Cats

Shape Up Challenge Grand Finale date CHANGED TO Thursday, MAY 27th. Join team members for the free Subway sandwich lunch on Thursday, May 27, 12 noon in 306 Borlaug Hall. Ten individual grand prize gift certificates from Target will be awarded to individuals who earned 200 points minimum for all six weeks and one of the top five high point average teams will be awarded a Nelson's Cheese and Deli Lunch. Team captains, be sure to let Jeff Roessler know how many of your team members plan to attend and if any prefer a veggie sandwich.

The portable scanner radios have been distributed to team captains. If you haven't received your participant gift, see your team captain. They really work!!!

This year marks the Syngenta Committee's 10th year for sponsoring the Shape Up Challenge. Balloons, cake, and extra prizes are being planned.

New Publication just off the press, "Research & Outreach Centers, Gateways to the University of Minnesota," published by the University of Minnesota Agricultural Experiment Station. For copies of this and other publications: 1-800-876-8636.

Dr. Gary Heichel, Head of the Department of Crop Sciences, University of Illinois at Urbana-Champaign, and former USDA-ARS faculty member in our department, was honored at a retirement reception on Monday, May 17.

Newsworthy Alum. Chromatin, Inc., recently announced that Michael Pauly, Ph.D., an 18-year veteran of the plant biotechnology and biopharmaceutical industries, has accepted the position of chief scientific officer for the company. Pauly has a Ph.D.

2004 H.K. Hayes Event. Left to right: Burle Gengenbach (Department Head), Dave Somers (Advisor), Lynn Litterer (H.K. Hayes Graduate Student Award recipient), Dr. Masa Iwanaga, CIMMYT (Lecturer), and Ron Phillips (Committee Chair).  
in plant genetics and plant breeding from the University of Minnesota, an M.S. in plant genetics and plant molecular biology from the University of Minnesota and a B.A. in biology from Lewis and Clark College.

"Weed Identification Available for Minnesota Crop Producers," article by Kevin Cavanaugh. Many of the winter annuals, such as Shepherds Purse, Pepperweed, Field Pennycress and numerous other plants in the Cruciferae Family are already flowering. Many homeowners in the Twin Cities area sponsoring their own botanical display in their lawns with showy dandelions and pesky Heal-All. It's time to get out the Weed-N-Feed.... Read entire article here...

15th Annual Renewable Energy & Sustainable Living Fair, June 18-20, Custer, Wisconsin (7 miles east of Stevens Point). Workshops, exhibits, music, food, and family activities all powered by the wind & sun! Register online: <http://www.the-mrea.org>

## SEMINARS

May 19

Plant Biological Sciences, PhD Defense Seminar, "Plant Community and Soil Response to Treatments Designed to Mimic Prescribed Burning," Dan Tix, Graduate Assistant, 3:00 p.m., 150 Ecology Building.

May 20

BioTechnology Institute, Salim Charaniya, Microbial Engineering Graduate Student Defense, "Optimization of the Catalytic Activity of Bilayer Latex Coatings for Bacterial Whole-Cell Oxidation and Reduction," 3:00 p.m., 239 Gortner Lab.

May 24

Applied Economics, Department Head candidate, Scott Loveridge, Michigan State University, 11:00 a.m. ., 143 Classroom Office Building.

May 25

Plant Molecular Genetics Institute, Dr. Ann M. Hirsch, UCLA, "Plant-Microbe

Symbioses: A Continuum from Commensalism to Parasitism," 3:30 p.m., 105 Cargill Bldg. SPC.

May 26

Plant Molecular Genetics Institute Discussion, Chen, W-M., Moulin, L., Bontemps, C., Vandamee, P., Bena, G. and C. Boivin-Masson. 2003. "Legume Symbiotic Nitrogen Fixation by B-Proteobacteris is Widespread in Nature." Journal of Bacteriology. 185.24: 7266-7272. Time: 10:00 a.m. Location: 239 Gortner Lab, SPC.

May 26

Center for Microbial and Plant Genomics, Dr. Ron Phillips, Agronomy and Plant Genetics, "Unique aspects of adding maize chromosomes to the oat genome," 12:00 noon, 105 Cargill-MPG.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF MINNESOTA

Graduate Research Assistant, The Minnesota Center for Survey Research (MCSR), Minneapolis. U of M registered graduate student. Closing date: June 4, 4:00 p.m.

Agronomy Gleanings, June 11, 2004

6/11/2004 8:00 AM

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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

June 11, 2004

ANNOUNCEMENTS

Civil Service Personnel remember to take your personal holiday before July 1 or you will lose it.

Thank you-To all the wonderful people in Agronomy and Soil, Water and Climate for giving me a memorable send off to my retirement! I have enjoyed my years at the U- such great people to work with. I am sure I will miss everyone terribly and of course that means I will be back often! Thank you so much for the digital camera and accessories and the money. I've already started taking pictures and the money will go towards a computer for home. Thanks again-it has been a great 32 years! Love to all, Judy

Birds and Grazing Field Day. Get up with the birds and stay for lunch! A field day about food choices and bird life on an organic dairy near Plainview, Minn., Wednesday, June 16, 9:30 a.m. through lunch & 8:15 a.m. bird walk with UM Researcher Melissa Driscoll. Bring your binoculars! Free but RSVP for the meal. Please call Melissa at 612-721-6735 or Caroline at 507-523-3366 by June 11. Organized by Melissa Driscoll with the Land Stewardship Project.

Article about Stan Dotson, "Monsanto Scientists Zero In On Drought-Resistant Soybeans," 02-Jun-2004, St. Louis Post-Dispatch: <http://www.biotechknowledge.com/BIOTECH/knowcenter.nsf/ID/9D6B5068FC01C78F86256EA7000D5228>

Another great web site to add to your bookmarks: <http://www.onlineconversion.com>. Converts anything: length, speed, weight, cooking measurements.

Trek Across the U. Counting your steps? Walking-with your pedometer-is a great way for employees and their families to get active and be more physically fit. Join the Trek and spend the summer stepping your way to better health. For more information or to register for the Trek, go to <http://www.umn.edu/ohr/eb/wellness>.

Paul Umbeck. The Biosecurity Committee has selected ASA-CSSA member Paul Umbeck as it's Biosecurity Point Person to assist the Societies in becoming leaders in the biosecurity debate and contribute toward safeguarding agriculture and food systems. Dr. Umbeck, formerly with Monsanto Company's Agracetus division and now a private consultant, will be the spokesperson for the Societies, handling all biosecurity-

related issues in the policy-making arena, as well as in other settings, including academia, industry, scientific societies, and other agricultural interest group activities. While with Agracetus, he helped to develop their biotechnology cotton program in the 1980s and was part of the laboratory to first genetically engineer cotton. He received his PhD degree (1980) in Plant Breeding and Genetics from the University of Minnesota, St. Paul.

The Forage Leader is a quarterly tabloid format magazine published by the American Forage and Grassland Council (AFGC) which is sent to all members. It provides feature articles on current topics in forage production, utilization, and grazing written by nationally known authorities on forages. It also features articles on innovative AFGC producers as well as industry news and AFGC business items. -Paul Peterson, Editor. For more information: <http://www.afgc.org>

The 2004 Ag Professional Field School will be held at two locations this summer!

--Crookston: July 13-14

--Waseca: July 22-23

<http://www.extension.umn.edu/cropenews/2004/04MNCN07.htm>

Reunion Time. The annual St. Paul Campus Reunion will be held Wednesday, June 23, at the Minnesota Landscape Arboretum in Chanhassen. Reunion activities include an Arboretum tour, lunch and discussion with a Horticultural Science faculty member. More details are available at <http://alumni.coafes.umn.edu/events/spcreunion.htm>

First Thursday Networking at the St. Paul Saints. Do you like baseball, tailgating and good fun? Join fellow college grads and friends for Northern League Baseball at its finest along with an evening of wacky entertainment- Saints style on Thursday, July 1! The pre-game tailgating will start at 5 p.m. in a reserved tailgating spot. Bring your own food and beverages and we'll supply the grills and space to enjoy your treats. After that, the group will head inside to reserved seating to watch the Saints take on the feared Canaries from Sioux Falls. Game time is 7:05 p.m. For more information or to sign-up, please visit the following website. <http://alumni.coafes.umn.edu/events/stpaulsaints.htm>. The deadline is June 7. Contact Betty Berning at [bbernin@agstar.com](mailto:bbernin@agstar.com) or Karen Kuechle at [kkuechl@agstar.com](mailto:kkuechl@agstar.com) with questions.

Golf Scramble For Scholarships. Enjoy a round of golf with fellow grads and friends of the U of M and help support scholarships for students in the College of Agricultural, Food and Environmental Sciences. The Alumni Society Golf Scramble for Scholarships will be held on Tuesday, July 13 beginning at 8:00 a.m. at the Les Bolstad University of Minnesota Golf Course. Details: <http://alumni.coafes.umn.edu/golf/> or contact Roger Caspers at [caspe005@umn.edu](mailto:caspe005@umn.edu) or 612-625-1994.

Seventh International Conference on Precision Agriculture and Other Precision Resources Management to share latest research and state-of-the-art products in precision agriculture, July 25 - 28, 2004, Hyatt Regency in downtown Minneapolis,



Minn. Contacts: Dave Mulla, Interim Director, University of Minnesota Precision Agriculture Center - (612) 625-6721; John Byrnes, Director of Communications, College of Agricultural, Food and Environmental Sciences (612) 625-4743. Registration details, a complete schedule, and more information are available at <http://www.precision.agri.umn.edu/Conference>.

UMTC Staff Day Will Be Aug. 5. This year's event for civil service and bargaining unit staff will incorporate the U Wellness Initiative, with an optional one-mile walk and visit to Eastcliff, and a gift for all who bring their invitation-coupon. St. Paul: St. Paul Student Center and Terrace, 11:30 a.m.-1 p.m. Minneapolis: Riverbend Plaza (space between Comstock, Coffman, and Boynton), 11:30 a.m.-1 p.m. and 7-8:30 p.m. Shuttles from Minneapolis and St. Paul to and from Eastcliff will be provided. John Sargent Pillsbury may attend to direct staff to buses and gifts. Invitations will be sent in June.

#### Female Roommate Wanted

\* Share 3BR, 2Ba duplex near St. Paul campus with two women graduate students.

\*1 block from campus connector stop and city bus line #3 (20-25 minutes to either downtown)

\*Within walking distance of St. Anthony Park village shopping/grocery

\*Corner bedroom; nice yard / garden; quiet, safe neighborhood

\*Option to purchase current furnishings (futon, computer desk, shelves, filing cabinets, etc.) at reasonable price

\* Available September 1, 2004 or before

\*Current rent is \$350/mo. + 1/3 utilities (\$50-70/mo.) Contact Rachel Mann at #612-220-4678 or [rachelmann@yahoo.com](mailto:rachelmann@yahoo.com).

#### SEMINARS

June 14

Department of Plant Pathology, candidate for Professor and Head, Guy Knudsen, Department of Plant, Soil & Entomological Sciences, University of Idaho, "Challenge and Opportunity for the Department of Plant Pathology," 10:30-12:00, 365 Borlaug Hall, St. Paul Campus.

June 15

What's Up in Sustainable Agriculture?, "Soil Management-A Tour of Two No-Till Gardens," led by Lois Braun, 4:15 p.m., 310 Alderman Hall and then out to the Garden Plot. Please email [wusa@umn.edu](mailto:wusa@umn.edu) for directions to the garden plot. Note: Meeting locations and times are subject to change.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### JOBS IN HORTICULTURE, INC.

Employment Newspaper and Website for the Green Industry: <http://www.hortjobs.com>.

#### UNIVERSITY OF SASKATCHEWAN

Graduate Studies in Molecular Crop Quality, Department of Plant Sciences and collaborative research with Swedish University of Agricultural Sciences, Uppsala, Sweden. Research interests in plant biochemistry, molecular biology and genetics.

#### UNIVERSITY OF MISSOURI-COLUMBIA

Assistant Research Professor, Rice Systems Production Research, Plant Sciences Unit. PhD degree in Agronomy, Crop Science or related field with emphasis on rice production research. Applications will be reviewed starting June 1, 2004, and will continue to be accepted until suitable candidate has been hired.

#### WINROCK INTERNATIONAL

Volunteers under the Farmer-to-Farmer (FTF) Program, funded by the U.S. Agency for International Development. To learn more about Winrock's volunteer programs, check out <http://www.winrock.org/volunteer>

Agronomy Gleanings, June 17, 2004

6/17/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

June 17, 2004

## ANNOUNCEMENTS

Independence Day observed Monday, July 5. University offices will be closed.

Reminder--Civil Service Liaison Committee new member nominations are due Monday, June 21.

Congratulations to Gerardo and Pilar Guzman on the birth of Angela Maria, June 14, 8 lb 9 oz, 20 inches. Gerardo is a Junior Scientist on Seth Naeve's Soybean project.

Agronomy Field Tour, June 22, University of Minnesota Southern Research and Outreach Center, Waseca: <http://sroc.coafes.umn.edu>.

University of Minnesota Animal Science Youth Program: "Adventures with Food and Fiber," an exciting week long day camp open to students ages 7-14. For more information: <http://www.ansci.umn.edu/adventures/index.html>

Are You Trekking? If you haven't already, registering for the Trek Across the U walking program is easy to do and takes less than two minutes to complete. Just go to [www.umn.edu/ohr/eb/wellness/howtoregister.htm](http://www.umn.edu/ohr/eb/wellness/howtoregister.htm) and follow the steps. Make sure that you have your Internet ID (x.500 username and password). Don't get hung up on a team name, just make one up! All registrants are entered into weekly prize drawings now through June 21 (extended date) for great prizes that include \$25 American Express Cheques, carry on luggage, University sweatshirts, and much more. Questions? Call 612-626-WELL (9355) or 1-888-433-WELL (9355) or e-mail us at [well@umn.edu](mailto:well@umn.edu). Make the Trek your commitment to being more active by registering today, putting on your pedometer, and tracking your steps!

Please welcome French summer interns: Maxime Boulagnon (Kevin Smith's barley project), Celine Camus (Seth Naeve's soybean project), and Renaud Fourreaux (Deon Stuthman's oat project). They will be here until August 22.

13th Annual University of Minnesota Symposium in Developmental Biology, "From Egg to Organ: Development and Disease," September 27-28, 2004, Coffman Memorial Union, Minneapolis Campus. Registration deadline: September 10. Additional

information: <http://www.med.umn.edu/dbc/>

U of M St. Paul Blood Drive. We are all encouraged to donate blood next Thursday, June 24th, Student Center Lower Level, 10:00 am - 4:00 pm. There will be a Bloodmobile located outside the St. Paul Student Center throughout the day. You can register in the lower level of the Student Center, next to the Theater and the Post Office. There are thousands of people every day that need blood to stay alive. Don't hesitate to give your contribution this week and save a life. Sign up by email at [rabe0029@umn.edu](mailto:rabe0029@umn.edu) or call 651-646-2000 ext 29 and ask for Jon Rabe. Please provide your current phone number, and remember to bring your ID the day of the drive. Thanks for donating!

## SEMINARS

June 17

Special Seminar by Dr. Paul Feng, Monsanto, "Mechanism of glyphosate-mediated rust control in Roundup Ready wheat," 12:00 noon, 306 Borlaug Hall.

June 21

Plant Pathology department head applicant, Dr. John Sherwood, Montana State University, "Smut, Scab and Administrative Musings," 2:30 p.m., 365 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

None this week.

Agronomy Gleanings, June 28, 2004

6/28/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

June 28, 2004

## ANNOUNCEMENTS

Independence Day observed Monday, July 5. University offices will be closed.

Open Workshop, "Soybean Rust: Issues & Facts," A multi-state teleconference to update producers and agricultural professionals about *Phakopsora pachyrhizias*, Tuesday, June 29, 9:00 a.m. - noon, 306 Borlaug Hall. Contact: Seth Naeve

Come join in honoring the outstanding achievements of Sue Shepard. Sue is stepping down as Director of Development for the College of Agriculture, Food and Environmental Sciences. She will return to the University in the fall on a part-time basis to work on specific development initiatives. Please come and congratulate Sue! Tuesday, July 6th, 4:00 - 6:00 p.m., 120 Coffey Hall, St. Paul Campus. Please email [kking@umn.edu](mailto:kking@umn.edu) or call 612-624-4285 with questions.

Crop Management Tours, Potsdam, July 6 and Rochester, July 8. <http://sroc.coafes.umn.edu>

Organic Field Tour, Friday, July 9, 9:00-11:00 a.m., Southern Research and Outreach Center, Highway 14 & Co. Rd. 57, Waseca, Minn.

Disease and Insect Field Tour, Thursday, July 15, 8:30-11:30 a.m., followed by lunch at 12:00 noon, Southern Research and Outreach Center, Waseca, Minn. \$20 registration fee.

Did you know Carmen Fernholz sells golden organic flax seed for \$1.00/pound. Flax is rich in dietary fiber, very high in essential fatty acids and high in vitamins and minerals. Contact Jean Swanson for more details.

## SEMINARS

June 28

Plant Pathology head candidate, Dr. Carol Ishimaru, Colorado State University, "A Vision for Plant Pathology: Building on Commonalities," 10:30 a.m., 365 Borlaug Hall.

June 30

Plant Pathology head candidate, Dr. Erik Stromberg, Virginia Polytechnic Institute, "My Vision for the Department of Plant Pathology," 10:30 a.m., 365 Borlaug Hall.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### INTERNATIONAL RICE RESEARCH INSTITUTE (IRRI)

Postdoctoral Fellow, Molecular Geneticist, Plant Breeding, Genetics and Biochemistry Division, Metro Manila, Philippines. PhD in genetics, plant biology, or a related field.

Closing date: August 2, 2004.

#### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent/Educator, Green Lake County, Green Lake, WI. Bachelor's degree with content expertise, and at least one degree, in a field such as dairy science, animal science or agriculture education. Application deadline: July 21, 2004.

Agronomy Gleanings, July 9, 2004

7/9/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

July 9, 2004

## ANNOUNCEMENTS

New APS Grad Student Association Officers:

President, Karin Kettenring, Horticulture

Vice President, Alex Kahler, Agronomy

Treasurer, Dave Esplin, Horticulture

Secretary, Lois Braun, Horticulture

Donald K. Barnes, Research Leader and Research Geneticist (Retired), Plant Science Research Unit, St. Paul, MN, has been selected to receive the ARS Hall of Fame Award for his remarkable contributions to alfalfa breeding and genetics, mentoring of plant breeding students, and service to ARS and the scientific community. Dr. Barnes was a pioneer in alfalfa breeding, genetics, and technology for 36 years, most of that time (30 years) as a Research Geneticist with USDA-ARS. From 1969 until retirement he also served as an Adjunct Professor in the Department of Agronomy and Plant Genetics at the University of Minnesota. The prestigious ARS Hall of Fame Award honors those scientists whose extraordinary personal contributions have helped shape the history, culture, science record, and public perception of ARS; and have helped advance U.S. Agriculture. Congratulations Don!

Gerald Tumbleson was just elected to First Vice President of the National Corn Growers Association. Gerald, a U of M graduate in soils and animal science, is a farmer from Sherburn, MN. He has been on the MN corn grower association board for several years and was president of MCGA for two years. He is the first MN corn grower to have this kind of important leadership position on the national board. The complete news release is at: <http://www.ncga.com/news/notd/2004/june/061804a.htm>

Summer Center Day 2004, West Central Research & Outreach Center, Friday, July 16, tours begin at 7:30 a.m., Morris, Minn.

Teaching Enrichment Series for Faculty, Instructional Staff, and Teaching Assistants, August 30- September 2, Center for Teaching and Learning Services, Office of Human Resources. To register and to see a full description of the workshops, see <http://www.teaching.umn.edu>.

New SAS Without Programming Course. In August, UTTC is offering a new 16-hour hands-on course, "SAS Enterprise Guide - Introduction to Point-and-Click SAS!" SAS Enterprise Guide makes many of the capabilities of SAS available through intuitive "wizards," thereby allowing users who are not programmers to utilize the power of SAS for statistical analysis, and for access, management, analysis, and presentation of data. To obtain SAS software, contact [software@umn.edu](mailto:software@umn.edu) or 612.625.2310. Course details and registration here: <http://umn.edu/uttc>.

MinuteClinic has expanded services and locations in the Twin Cities area. Beginning in August, three new Target Store locations will be added: St. Paul/Midway (1300 University Avenue West), Blaine (1500 109th Avenue Northeast), and Edina/Southdale (7000 York Avenue South). <http://www1.umn.edu/ohr/eb/uplan/minuteclinic.htm>

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF FLORIDA

Assistant Professor, Aquatic Weed Specialist, Fort Lauderdale Research and Education Center, University of Florida, Institute of Food and Agricultural Sciences, Fort Lauderdale, Florida. PhD in Weed Science, Agronomy, Aquatic Plant Ecology, Botany or a closely related field. Closing date: September 1, 2004.

#### UNIVERSITY OF MISSOURI-COLUMBIA

Research Associate, Plant Sciences Unit, Columbia, Missouri. M.S. degree in Crop Science or related discipline. Closing date: July 15, 2004.

BIOLOGICAL SCIENCE LABORATORY TECHNICIAN, USDA, ARS Plant Science Research Unit, St. Paul, MN. A full-time temporary position (Term appointment not-to-exceed 2 years, with possible extension of up to 4 years) in Howard Rines' laboratory. The incumbent will provide technical support in research to genetically improve oats. Typical duties include laboratory experiments that involve molecular marker detection and mapping of markers and disease resistance genes. Additional laboratory techniques include microscope slide preparations of root tips and meiotic tissues for chromosome analysis. Other duties include assisting in growth chamber, greenhouse, and field experiments involving making crosses and evaluating plants for disease resistance. The position requires a bachelor's degree and 1 year or more of graduate education OR equivalent experience. Salary commensurate with experience (\$34,220-\$54,417). U.S. citizenship required. Visit website at <http://www.ars.usda.gov/careers/> or call 301-504-1482 for a full description of the position and the application forms (refer to Announcement No. ARS-D4W-0334), or Howard Rines (5-5220) for more specific information. Applications submitted MUST be postmarked by July 27, 2004. The USDA/ARS IS AN EQUAL OPPORTUNITY PROVIDER & EMPLOYER.

#### KANSAS STATE UNIVERSITY

Post-doctoral Research Associate, Department of Agronomy, Manhattan, Kansas. PhD



in soil science, agronomy, ecology or related field. Closing date: July 15, 2004.

Agronomy Gleanings, July 19, 2004

7/19/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

July 19, 2004

## ANNOUNCEMENTS

Farewell Coffee for Jianming Yu, Tuesday, July 27, 9:30 a.m., 304 Hayes Library.

Civil Service Bargaining Unit (CSBU) Staff Day 2004, Thursday, August 5, St. Paul Student Center Terrace and Patio, St. Paul Campus, 11:30 am to 1:00 pm. Bring your own lunch (fresh fruit and bottled water will be provided). Claim your gift, while supplies last, with your Campus Mail coupon. Tour Eastcliff 11:00 am to 1:30 pm or evening 6:30 pm to 8:00 pm (free bus with optional 1-mile return walk.) Evening Event, Coffman Memorial Union (River Side), Minneapolis Campus, 7:00 pm to 8:30 pm.

Dr. Phil Larsen has moved to the position of Director of Operations at UMore Park effective July 1, 2004. His new address is UMore Park, University of Minnesota, 1605 160th Street West, Rosemount, MN 55068-6099 (651-423-2455, phone; 651-423-1491 fax).

Priority Initiative Opportunities. The College has three opportunities for faculty and students to help put the priorities into action. Faculty can apply for up to \$25,000 in funds for initiatives that help support the priorities, apply for undergraduate student interns, or submit a proposal to share their work with the broader community at Classes Without Quizzes in April 2005. Application deadlines for all three opportunities are July 31. Details are available at [www.coafes.umn.edu/initiative](http://www.coafes.umn.edu/initiative)

University Senate. Drs. Muehlbauer and Scott have been elected to the University Senate, joining Drs. Cardwell and Porter. Our department now holds 4 of the 15 Senate seats for the College.

Horticulture Night, West Central Research and Outreach Center, Thursday, July 29, 5:00 pm to 9:00 pm, Morris, Minn. The event provides tours of the gardens with discussion on various gardening topics, demonstrations on gardening techniques, Children's Garden activities, a picnic dinner, a Trade Show featuring area businesses, nurseries, organizations, and much more. Website: <http://wcroc.coafes.umn.edu>

UMORE Park Open House, Thursday, July 22, at 4:00 PM to 8:00 PM. UMore Park is the University of Minnesota's 7500 acres property immediately south of the city of Rosemount. The Open House will provide an opportunity for citizens in the surrounding

community to learn about the activities underway at UMore Park. For more information: Contact Elizabeth Soucy at [esoucy@umn.edu](mailto:esoucy@umn.edu) or 651-423-2455.

## SEMINARS

July 20

Department of Entomology, Food Processing and Structural Entomologist candidate, Dr. Stephen Kells, Technical Director, Abell Pest Control, Ontario Canada.

Refreshments: 3:00 pm; Seminar: 3:15 pm, 490 Hodson Hall. Research Seminar: "Combine-to-Counter: Research Opportunities in Food Processing and Structural Pest Management."

July 21

Department of Entomology, Food Processing and Structural Entomologist candidate, Dr. Stephen Kells, Technical Director, Abell Pest Control, Ontario Canada.

Refreshments: 10:30 am; Seminar: 10:45 am, 490 Hodson Hall. Extension Seminar: "Developing Strategies to Control Stored Product Pests: The Cigarette Beetle."

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### CLEMSON UNIVERSITY

Assistant Professor in the area of Plant Physiology. Horticulture and Biological Sciences Department, Clemson, SC. PhD in plant physiology, botany, horticulture or a related discipline.

### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, Specializing in Crops and Soils, Clark County, Neillsville, Wisc. Master's or other graduate degree with content expertise, and at least one degree in a field such as agribusiness, agricultural economics, plant sciences, agronomy, soil sciences, or horticulture. Deadline: August 11, 2004.

Agronomy Gleanings, August 3, 2004

8/3/2004 8:00 AM

## 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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WEB <http://agronomy.coafes.umn.edu/>

August 3, 2004

## ANNOUNCEMENTS

Agronomy Department Annual Corn Feed, Thursday, August 12, 12 noon, 306 Borlaug Hall. Cost \$3.00. Hotdogs, cucumbers, tomatoes, and all the corn you can eat, plus coffee and lemonade.

Condolences to Keith Henjum on the death of his grandmother, Julia Ruther, age 91.

Bonjour! from France. I thought I'd drop you a quick note to let you know that our trip went smoothly and that we're getting settled in. There's so much to see and learn and do, although I must say that my family and I already miss Sam's Club and Target. My French is getting a nice workout. My family has adjusted well to our new place, and my new colleagues at work are very nice. I should send you a picture of the office building I'm in: the building was built in the 1800s and was part of a farm estate before it was purchased by INRA (i.e., the French equivalent of the USDA). --Rex Bernardo

The 6th Annual CSBU Staff Day will be held Thursday, August 5th from 11:30-1 pm at the St. Paul Student Center Terrace, and from 7 pm-8:30 pm in Minneapolis only. Staff Day is meant to be a time of celebration and fellowship with one another in the University community. Join us for a light lunch, pickup a gift of appreciation, and spend time connecting with fellow employees. Please remember to bring your coupon/ invitation for the gift. The event will include tours of Eastcliff from 11am-1:30 pm and from 6:30-8 pm; shuttle buses will be available. You can also do a one-mile walk back to campus in support of the U Wellness Initiative.

Free Soyfoods Guide. To download or receive a free printed copy of the 24-page 2004 Soyfoods Guide with recipes and answers to many questions about soy, go to <http://www.soybean.org>.

2004 Star Performer Awards. Each year, University Services confers the Star Performer Awards to employees on the Twin Cities campus. To nominate an individual or a team, go to <http://www.uservices.umn.edu/starperformers.html> where you'll find guidelines, the nomination form, and more information on past Star Performer winners. Deadline: Friday, September 3, 2004.

Employer of the Year Minnesota Developmental Achievement Center Association

(MNDACA) selected our College to receive an Employer of the Year award in recognition of its work with adults with developmental disabilities. For almost 10 years our Plant Growth Facility has employed workers through Merrick, Inc./AlbiTech Enterprises, a nonprofit organization that provides job placement services and vocational support to adults with developmental disabilities. Roger Meissner, Horticultural Science, supervises the work crew and says the cleaning and other duties they perform help create an environment where scientists can perform their work. Added Associate Dean Bev Durgan, "Our focus at the University is to provide education to others. The Merrick work crew reverses that role by providing us an education in capabilities of persons with developmental disabilities. We learn from their strong work ethic and their delightful attitude." The award presentation will take place at 10 a.m., Thursday, August 5, in the Cargill Building for Microbial and Plant Genomics. If you plan to attend, please e-mail Linda Ellingsworth at [ellin013@umn.edu](mailto:ellin013@umn.edu).

Seeds of Survival Partnership Program. Interested in preparing for a career in international development, sustainable agriculture, HIV/AIDS or nutrition? Global Service Corps is now taking applications for those interested in joining the Seeds of Survival (SOS) Fellowship Program in Africa ([www.globalservicecorps.org/tanzania/fellowship.htm](http://www.globalservicecorps.org/tanzania/fellowship.htm)). Fellows chosen for the SOS program will attend a one-month training in Arusha, Tanzania with a Counterpart from a local NGO Partner organization. The Fellow and Counterpart will then be assigned to the Partner's field program for the following five months. Together they will help build the Partner's organizational capacity to support people living with HIV/AIDS through training in sustainable agriculture and nutrition. Fellows must have a master's degree and experience abroad, preferably in Africa. Fellows will be provided accommodations and project support by the local NGO, and will be responsible for covering their roundtrip airfare and initial training costs. If you are interested in applying, please send a one-page statement of purpose and resume to [gsctanzania@earthisland.org](mailto:gsctanzania@earthisland.org) before August 9.

Campus Mail Envelopes. Do you have extra campus mail envelopes? Campus mail redistributes envelopes, but right now they have none to share, so if you can spare some, please bundle them up or put them in a box and simply address them to "Envelopes Again" (that's their catchy title for this redistribution program). Put them with your outgoing campus mail or if you have a large load, they will be glad to pick up from another spot more convenient to you. Call 5-6560 to set up special pick ups or for any questions.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### USDA, ARS

Plant Science Research Unit, St. Paul, MN, is seeking applications for a permanent, full-time Biological Science Laboratory Technician, GS-06/07 to: support field and lab research designed to improve nutrient cycling on farms, protect and improve water quality, and produce feed for cattle and biomass for energy. Salary is commensurate

with experience (\$30,794 - \$44,485 per annum), plus benefits. Candidates may obtain the vacancy announcement (ARS-X4W-0354) by calling 301-504-1482 or via the ARS homepage at [www.ars.usda.gov/careers](http://www.ars.usda.gov/careers). Location contact: Pam Groth 651-649-5046. U.S. citizenship is required. Applications must be postmarked by August 16, 2004. USDA/ARS is an equal opportunity employer and provider.

#### USDA, ARS

Biological Science Laboratory Technician, Plant Science Research Unit, St. Paul, MN. A full-time temporary position (Term appointment not-to-exceed 2 years with possible extension of up to 4 years) is available in a USDA-ARS research laboratory located on the University of Minnesota St. Paul campus. The incumbent will provide technical support for research on plant disease resistance. Typical duties include experiments to study gene expression changes associated with disease resistance in wheat, genetic studies, and disease evaluations. Laboratory techniques include DNA and RNA isolation, nucleic acid blot analysis, PCR, and genomics techniques. Other duties may include crossing plants, caring for plants, and providing assistance to other lab projects. The position requires a bachelor's degree and 1 year or more of graduate education OR equivalent experience. Salary commensurate with experience (\$34,220-\$54,417). U.S. citizenship required. Visit website at <http://www.ars.usda.gov/careers/> or call 301-504-1482 for a full description of the position and the application forms (refer to Announcement No. ARS-D4W-0343), or contact the local administrative office at 651-649-5046 for more specific information. Applications MUST be postmarked by August 16, 2004. THE USDA-ARS IS AN EQUAL OPPORTUNITY PROVIDER AND EMPLOYER.

#### UNIVERSITY OF NEBRASKA-LINCOLN

Extension Assistant, Department of Agronomy and Horticulture. Bachelor's degree with major in pest management, agriculture, natural resources, or education/communications/journalism field. M.S. preferred. Deadline: August 10, 2004.

#### NORTH CAROLINA STATE UNIVERSITY

Assistant/Associate Professor of Weed Science, Aquatic/Non-Cropland, Crop Science Department, Raleigh, NC. PhD in Agronomy, Weed Science, Crop Science, Horticultural Science, Botany, or related field is required. Deadline: October 1, 2004.

#### JOBS IN HORTICULTURE, INC.

<http://www.hortjobs.com>

Agronomy Gleanings, August 16, 2004

8/16/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

August 16, 2004

## ANNOUNCEMENTS

Recent grant awards:

-- Jim Anderson, 3 yr, \$284,000, USDA-NRI, "Map-based cloning of a major QTL for Fusarium head blight resistance in wheat."

-- Gary Muehlbauer, 3 yr, \$248,000, USDA-NRI, "Genetic control of tillering in barley."

-- Mary Brakke, 3 yr, \$235,570, USDA Higher Ed Challenge Grant, "Integrating learning through internships."

-- Kevin Smith, 1 yr, \$57,000, USDA, "Barley mapping project."

-- Gary Muehlbauer, 1 yr, \$43,000, USDA, "Use of gene chips for high throughput chromosome mapping in barley."

7th Annual Minnesota Rural Summit, Wednesday, August 18 to Friday, August 20, Hibbing Community College, Hibbing, Minn. This year's program will include an array of events including national speakers, concurrent sessions, mobile workshops and exhibits focusing on current rural issues and policies. Join other rural and community partners on Thursday for an evening of entertainment and education at Ironworld Discovery Center. For more information, e-mail to [info@minnesotaruralpartners.org](mailto:info@minnesotaruralpartners.org) or visit <http://www.minnesotaruralpartners.org/ruralsummit.htm> --Minnesota Rural Partners, Inc. and True North

Campus Mail-Use of Campus Delivery Code facilitates next day delivery. For the fastest delivery of your interdepartmental envelope, include the Campus Delivery Code.

Sleepy Eye Research Station Annual Field Day, August 19, 4:00 p.m.-8:00 p.m. Learn about: New Garst Products and Technologies, Better Bean Initiatives, and Company Updates. Steaks and all the fixin's.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF HELSINKI, FINLAND

A three-year postdoc position: Functional genomics of oxygen radical perception and signaling in plants. Strong background in modern laboratory biology: in plant physiology, genetics and/or biochemistry. Experience in protein work is desirable. Closing date: January 1, 2005. [www.helsinki.fi/biosci/plantstress](http://www.helsinki.fi/biosci/plantstress)

#### IOWA STATE UNIVERSITY

Assistant Professor in Animal Behavior, Animal Science Department, Ames, IA. Ph.D. in animal science or related field. Closing date: October 1, 2004.

#### USDA, REE, ARS

Assistant/Associate Professor, Plant Molecular Biology/Genetics, Plant Gene Expression Center, University of California at Berkeley. <http://www.pgec.usda.gov/> (announcement number ARS-X4W-295). Closing date: September 17, 2004.

#### UNIVERSITY OF ARKANSAS

Program Technician/Research Specialist in Soybean Breeding and Genetics, Department of Crop, Soil, and Environmental Sciences, Fayetteville, AR. B.S. degree with a minimum of three years of experience or M.S. degree in Crop Science or Plant Breeding/Genetics. Closing date: September 10, 2004.



Agronomy Gleanings, August 23, 2004

8/23/2004 8:00 AM

## AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota

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WEB <http://agronomy.coafes.umn.edu/>

August 23, 2004

## ANNOUNCEMENTS

Dr. Roger Becker, Extension Weed Scientist in the Department of Agronomy and Plant Genetics, was the recipient of the Minnesota Integrated Weed Management Group sponsored University Extension Outstanding Service Award for 2004. This award recognizes individuals who provide outstanding leadership in promoting integrated weed management practices in Minnesota through sound University research and extension programs. He received a certificate of recognition signed by the Commissioner of The Minnesota Department of Agriculture, Gene Hugoson, and by the Commissioner of The Minnesota Department of Natural Resources, Gene Merriam. Dr. Becker has been providing state-wide programming in invasive plant management since joining the University of Minnesota Extension Service in 1987.

A new form for Employee Reimbursements (travel and miscellaneous expenses) is being required for electronic entry by accounting staff. This new interactive reimbursement form for employees is available on the UofM Forms Library website: <http://process.umn.edu/groups/ppd/documents/main/formhome.cfm>. Go to the website and type "expense worksheet" in the search box. Click on the form that appears and complete the worksheet. Be sure to add your CUFS# in the justification area. Print the worksheet, sign, attach all receipts and turn into the accounting office for electronic entry. For questions, contact Marilyn Swanson ([holec001@umn.edu](mailto:holec001@umn.edu)) or Laurie Brand ([lbran1@umn.edu](mailto:lbran1@umn.edu)).

The latest from MN Crop eNews. Frost on Corn and Soybeans by Dale R. Hicks. The growing season continues to be abnormally cold and now the cool temperatures of August 21 have caused frost injury to crops in Minnesota. This report gives an assessment of what I think is the situation. Read the article here: <http://www.extension.umn.edu/cropenews/2004/04MN20.htm>

## SEMINARS

August 25

Thesis Defense, M.S. in Applied Plant Sciences, Michael Long, "Evaluations of Deciduous Azalea Germplasm for Resistance to Powdery Mildew," 1:00 pm., 310 Alderman Hall.

August 30

Thesis Defense, M.S. in Applied Plant Sciences, Dimitre Mollov, "Incidence and Breeding Behavior of PVY Asymptomatic Expression in 2x and 4x Potato Breeding Populations; and Breeding for Resistance to Potato Virus Y and Potato Leafroll Virus Through Early Generation Selection," 1:00 pm, 310 Alderman Hall.

August 31

Special Seminar, "Regulatory framework of GMO and its safety assessment study in Korea," Tae San Kim, National Institute of Agricultural Biotechnology/Rural Development Administration, Korea, 3:00 pm, 105 Cargill-MPG Building.

September 9

Center for Microbial and Plant Genomics, Leading Edge Technologies Seminar, "Analyze this and that: Genomes and Proteomes," Dr. Michael Snyder, Lewis B. Cullman Professor and Chair, Dept. of Molecular and Cellular Biology, and Prof./Molecular Biophysics and Biochemistry, Yale University, and Director of the Yale Center of Genomics and Proteomics, 3:00 pm, Room 105/Cargill Microbial and Plant Genomics.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### MCKINSEY & COMPANY

Exciting career opportunities for graduate and post-graduate students of all disciplines. For German, Austrian and Swiss offices, seeking bright, talented personalities who speak German and can imagine living and working in Germany, Austria or Switzerland longer term. E-mail: [neuland@mckinsey.com](mailto:neuland@mckinsey.com) for details. Deadline for all applications is September 17, 2004.

#### NORTH CAROLINA STATE UNIVERSITY

Research Associate, Center for Environmental Farming Systems (CEFS/Animal Science), Raleigh, NC. M.S. in animal science or related fields with 1-3 years experience required. Ph.D. preferred. Closing date: September 15, 2004.

#### UNIVERSITY OF KENTUCKY

Research and teaching faculty position in Plant Natural Products, Department of Agronomy, Lexington, KY. PhD and postdoctoral experience in a relevant area. Closing date: September 15, 2004.

#### UNIVERSITY OF NEBRASKA-LINCOLN

Postdoctoral Research Geneticist, Department of Agronomy and Horticulture. Ph.D. or equivalent in plant genetics, breeding, cytogenetics, or a related field. Experience in molecular markers and mapping, and quantitative trait analysis highly desirable. Closing date: October 1, 2004.

Agronomy Gleanings, September 1, 2004

9/1/2004 8:00 AM

## 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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WEB <http://agronomy.coafes.umn.edu/>

September 1, 2004

## ANNOUNCEMENTS

Labor Day Holiday, Monday, September 6. University offices will be closed.

Departmental Coffee, Tuesday, September 14, 9:30 a.m., 306 Borlaug Hall. Sponsored by Syngenta and the retired faculty. Come and hear what the retired faculty have been up to.

Cynthia Pansing was named as the Mississippi River Basin Alliance's new executive director on July 31, 2004. Cynthia served as statewide coordinator for the University of Minnesota's Regional Sustainable Development Partnerships program.

Annual Applied Plant Sciences (APS) Picnic and Potluck, Thursday, September 9, 4:00 pm - 10:00 pm, Como Park West Picnic Shelter. Enjoy good food and welcome new students to the program! Burgers (veggie and beef) and fixin's will be provided. Bring a dish to share and BYO beverage. \$2/person or \$5/family. Faculty, staff and students welcome. Questions? Marjorie [ross0271@umn.edu](mailto:ross0271@umn.edu) or Charlie [roh0009@umn.edu](mailto:roh0009@umn.edu).

Yellow Medicine County Corn and Soybean Growers Test Plot Day, Thursday, September 9, 9:00 a.m. through 12 noon. For locations, see 411 Borlaug Hall bulletin board.

AFS Intercultural Programs. A science teacher from Thailand will be teaching at the Agriculture and Food Science Academy in St. Paul, September 1 through June 20. If you are interested in hosting a global educator for 8 weeks, a semester, or a year, please contact Robin Thorstenson at 651-647-6337 ext. 2237 or at [rthorstenson@afs.org](mailto:rthorstenson@afs.org).

Make plans to attend Kickoff 2004, the College's Welcome Event, from 11:30 a.m. to 1:30 p.m. on Tuesday, September 14, at the North Star Ballroom in the St. Paul Student Center. You'll have a chance to play games, win prizes and enjoy free food. Even more importantly, you'll have a chance to welcome new and current students to campus, connect them with faculty and staff and introduce them to the College, its priorities, services, and student groups. Additions to the event this year include an interactive educational activity (game) based on each priority. One of these interactive priority activities will be eating safe and healthy food for free. Students attending the event will

have an opportunity to learn about internships, volunteering, the mentor program, international study and clubs that may match their interests. Kickoff 2004 is sponsored by the Priority Steering Committee, the College Student Board and the Office of Academic Programs and Student Affairs.

## SEMINARS

September 2

Soil, Water, and Climate, M.S. Defense, Katie Clayton (Advisor: Deborah Allan), "Effects of Digested Dairy Manure on Nutrients and Soil Quality," 1:00 pm, 375 Borlaug Hall.

September 9

Center for Microbial and Plant Genomics, Leading Edge Technologies Seminar, "Analyze this and that: Genomes and Proteomes," Dr. Michael Snyder, Lewis B. Cullman Professor and Chair, Dept. of Molecular and Cellular Biology, and Prof./Molecular Biophysics and Biochemistry, Yale University, and Director of the Yale Center of Genomics and Proteomics, 3:00 pm, Room 105/Cargill Microbial and Plant Genomics.

September 10

Plant Biological Sciences, PhD Defense, Rebecca D. Knowles, Graduate Assistant, "Peltigera, a Genus of Dinitrogen-Fixing, Terricolous Lichens: Its Influence on Soil Processes in the Northern Forests of Minnesota," 3:00 p.m., 335 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### STA LABORATORIES, INC

Molecular Breeding Laboratory Associate Technician II, Longmont, Colorado. Bachelors of Science Degree in Plant Breeding, Biotechnology, Biology, or a related field with significant science-based experience.

Agronomy Gleanings, September 7, 2004

9/7/2004 8:00 AM

## 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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WEB <http://agronomy.coafes.umn.edu/>

September 7, 2004

## ANNOUNCEMENTS

Departmental Coffee, Tuesday, September 14, 9:30 a.m., 306 Borlaug Hall. Sponsored by Syngenta and the retired faculty. Come and hear what the retired faculty have been up to.

Welcome Back! Plan to Attend a College Community Welcome Event, for students, faculty and staff in the College of Agricultural, Food and Environmental Sciences, Tuesday, September 14, 11:30 a.m.-1:30 p.m., North Star Ballroom, St. Paul Student Center. Free lunch. Priority Games. Win Prizes. Get Involved.

Birth Announcement. Krishona and Chad Martinson are the proud parents of a baby girl. Montana Marie Martinson was born September 2 at 10:59 am. She weighed 6 pounds 14 ounces and was 19 inches long. Parents and baby are doing well.

USDA-ARS Soils Lab, Morris, has been awarded a 3-year grant through USDA-NRI for \$400,000. The title of the project is "Integrating continuous soil depth distributions of hydrothermal time, seeds, and burial tolerances to improve seedling emergence models."

New Publication. "Time, Soil, and Children: Conversations with the Second Generation of Sustainable Farm Families in Minnesota," Beth E. Waterhouse, Endowed Chair in Agricultural Systems. For more information, contact the Minnesota Institute for Sustainable Agriculture (800) 909-6472 or <http://www.misa.umn.edu>.

North Central Soybean Research Program. Call for FY2005 Research Preproposals. Deadline: November 15, 2004. Application form in 411 Borlaug Hall.

J. Fielding Reed PPI Fellowships to be awarded by the Potash & Phosphate Institute (PPI). Fellowships of \$2,500 each will be awarded to deserving graduate students in soil and plant science. Postmarked by January 15, 2005. Details in 411 Borlaug Hall.

Government of Japan Doctoral Scholarship Competition. Fully funded, three-year doctoral program in Agricultural Development at the University of Tokyo. Applications due December 20, 2004, International Agricultural Programs, 190 Coffey Hall. Details in

411 Borlaug Hall.

Update your Personal Information for the 2004-2005 Student/Staff Directory. In preparation for the printing of the 2004-2005 Student/Staff Directory, please verify that your personal information is correct by accessing the Employee Self-Service (ESS) Web Site at <http://hrss.umn.edu>. If you have questions, call the Human Resources Call Center at 612-625-2000.

## SEMINARS

September 9

The Center for Plants and Human Health, "Modulation of Signal Transduction and Carcinogenesis by Food Factors," Ann M. Bode, PhD, Assistant Director and Associate Professor-Research, Hormel Institute, 2:30 p.m., 306 Borlaug Hall. Park free in S106 on Upper Buford Circle - bring your ticket to the seminar.

September 9

Center for Microbial and Plant Genomics, Leading Edge Technologies Seminar, "Analyze this and that: Genomes and Proteomes," Dr. Michael Snyder, Lewis B. Cullman Professor and Chair, Dept. of Molecular and Cellular Biology, and Prof./Molecular Biophysics and Biochemistry, Yale University, and Director of the Yale Center of Genomics and Proteomics, 3:00 pm, Room 105/Cargill Microbial and Plant Genomics.

September 10

Plant Biological Sciences, PhD Defense, Rebecca D. Knowles, Graduate Assistant, "Peltigera, a Genus of Dinitrogen-Fixing, Terricolous Lichens: Its Influence on Soil Processes in the Northern Forests of Minnesota," 3:00 p.m., 335 Borlaug Hall.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

USDA-ARS, MORRIS, MN

Post-Doctoral Research Associate, GS-11. Requisites include a PhD in agronomy, botany, climatology, geography, or a related discipline with highly developed skills in programming and microclimatology. Research associate will be responsible for mathematical and statistical analyses, modeling activities, preparing manuscripts, and presenting talks related to the project. State-of-the-art equipment and software are available. Appointment will be for three years, beginning December 2004.

USDA-ARS, MORRIS, MN

Biological or Agronomic Science Technician, GS-7. Requisites include a MSc or BS with advanced training in agronomy, botany, climatology, geography, or a related discipline. Experience in micrometeorology is important. Will be responsible for growth chamber and field experiments, and will assist a research associate in programming activities,

statistical analyses, and presenting talks. Appointment will be for two years, beginning December 2004.

#### MICHIGAN STATE UNIVERSITY

Faculty position in Plant Biology, MSU-DOE Plant Research Laboratory, East Lansing. Postdoctoral research experience with demonstrated productivity and evidence of potential for independent research. Closing date: October 1, 2004.

#### MINNESOTA FOOD ASSOCIATION

Full-time CSA Farm Manager, Director of Agricultural Training Center, Wilder Forest, Marine on St. Croix. Three years of successfully managing and operating a community supported agriculture farm using sustainable farming practices, and familiarity with organic certification process. Start Date: October 1, 2004.

Agronomy Gleanings, September 15, 2004

9/15/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

September 15, 2004

## ANNOUNCEMENTS

2004 ASA-CSSA-SSSA Annual Meetings, Seattle, Washington, October 31 to Nov. 4.  
Preregistration Deadline is September 20 and Housing Deadline is September 30.

2004 Election. Ramsey County Absentee Ballot applications available online at: <http://www.ci.stpaul.mn.us/depts/cso/absenteeinstrn.html>.

New APS Graduate Students for Fall 2004. We have eight new graduate students in the Applied Plant Sciences program this fall. Please welcome them.

\* Kari Eichstaedt, recently completed the B.S. degree in Ecology at the U of M. She is working toward the M.S. and is advised by Don Wyse. Kari is from Star Prairie, Wisconsin.

\* Brent Hulke, completed the M.S. degree at Iowa State University with Walt Fehr and the B.S. in Agronomy at South Dakota State University. He is working toward the Ph.D. and is advised by Nancy Ehlike. Brent is from Courtland, Minnesota. He just got married a few weeks ago.

\* Alejandra Larriera, completed her undergraduate degree at the Universidad de la Republica-Agronomia in Montevideo, Uruguay. She is working toward the M.S. and is advised by Jim Orf. Alejandra is from Uruguay.

\* Steven McKay, completed the M.S. in Forest Ecosystem Analysis at the University of Washington, the M.S. in Environmental Systems at Humboldt State University, and the B.S. degree at the University of Vermont in Mathematics. He is working toward the Ph.D. and is advised by Jim Luby in Horticultural Science. Steven moved here from Seattle, Washington.

\* Alex Rigor, completed the M.S. at the University of the Philippines in Genetics and the B.S. at the Central Luzon State University in Biology. Alex is working toward the Ph.D. with Jim Anderson. Alex worked at the Philippine Rice Research Institute.

\* Jeff Roessler, completed B.S. degrees in Biochemistry and Botany. He is now working toward the M.S. with Robert Jones.

\* Toi Tsilo, completed the B.S. in Agriculture at the University of the North, Polokwane, South Africa. He is now working toward the M.S. with Jim Anderson. Toi was advised by one of our alumni, Kingsley Ayisi (M.S. 1991, Ph.D. 1994). Toi can speak 10 languages.

\* Matthew Walch, completed the B.S. in Biology and the M.A. in Education at St. Mary's University in Winona. Matt is working toward the M.S. and is advised by Howard Rines



and Ron Phillips. Matt has been teaching high school biology in the Winona area.

## SEMINARS

September 15

MISA & WUSA, The Fall WUSA Kick-Off Event! A Tour of the Summer Student Garden on Campus! Meet in 306 Borlaug Hall, St. Paul Campus, and heading out to the field shortly after 12:00 noon.

September 15

Biochemistry, Molecular Biology & Biophysics, "The Proteasome and Its Interacting Proteins," Dr. Daniel Finley, Harvard Medical School, Boston, MA, 4:00 PM, 3-120 MCB, Minneapolis Campus.

September 20

Applied Plant Sciences (APS), Vance Whitaker, APS Student in Department of Horticultural Science, "What is a Dwarf Plant? Mechanisms of and Their Implications for Landscape Plant Breeding and Selection," 3:30 p.m., 306 Borlaug Hall.

September 20

Microbiology/Biotechnology Institute faculty candidate, Jeffrey Gralnick, PhD, California Institute of Technology, "Regulation of Mineral Respiration in *Shewanella oneidensis*." Seminar: 3:30 p.m., 105 Cargill. Chalk Talk: September 21, 2:00 p.m., 1450 Mayo, Minneapolis Campus.

September 21

Plant Biological Sciences, Dr. Mike Havey, USDA-ARS, and Professor, Dept. of Horticulture, University of Wisconsin-Madison, "Genomic approaches to increase the health functionality of onion," 3:30 p.m., 105 Cargill Bldg.

September 22

Center for Microbial and Plant Genomics, Dr. Elizabeth Shoop, Computer Science Dept., Macalester College, "Data Exploration Computer Tools for the Gene Ontology Database," 12:00 noon, Room 105 Cargill-MPG.

September 22

Quarantine Officer Interview, Biocontainment Facility Manager and Quarantine Officer position, Dr. Jeanie Katovich, "The MAES/MDA High Security Containment Facility: A Future Direction with a Regional Focus," refreshments at 3:00 with the presentation to begin at 3:15 in Rm 490 Hodson.

September 22

Biochemistry, Molecular Biology and Biophysics, "Using a Systems Approach to Understand Cell Signaling," Dr. H. Steven Wiley, Pacific Northwest National Laboratory, Biomolecular Systems Initiative, Richland, WA, 4:00 p.m., 105 Cargill-MPG Building.

September 23

Quarantine Officer Interview, Biocontainment Facility Manager and Quarantine Officer position, Dr. Zhishan Wu, "Biological Control of the Soybean Aphid in the United States," refreshments at 3:00 with the presentation to begin at 3:15 in Rm 310 Alderman.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, Winnebago County, Oshkosh, WI. Master's or other graduate degree with content expertise, and at least one degree in a field such as agri-business, agricultural economics, or horticulture. Closing date: September 29, 2004.

Agronomy Gleanings, September 29, 2004

9/29/2004 8:00 AM

## 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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WEB <http://agronomy.coafes.umn.edu/>

September 29, 2004

## ANNOUNCEMENTS

Department Fall Social. The Department of Agronomy and Plant Genetics' Fall Social will be held on Friday, October 15th from 3:00pm to 5:00pm in the Atrium of the Cargill Building.

2004 Community Fund Drive, "Minnesota Counts on U," October 1-31. Pledge forms and details are in your mailbox.

Explore Hidden Treasures of U of M St. Paul Campus. Bring the whole family to the St. Paul campus on Sunday, Oct. 17, for "Fall Fest 2004: Connecting U," a day of fun, tours and educational activities related to university initiatives in renewable fuels, healthy foods and family life. All five colleges on the university's St. Paul campus (Agricultural, Food and Environmental Sciences; Biological Sciences; Human Ecology; Natural Resources; and Veterinary Medicine) will open their doors at 10:30 a.m. and entertain visitors until 4:30 p.m. For more details, go to <http://www1.umn.edu/twincities/fallfest/>.

Fellowship Program. The Foreign Agricultural Service of USDA has established the Norman E. Borlaug International Science and Technology Fellows Program to help countries strengthen sustainable agricultural practices through the transfer of new science and agricultural technologies. The program would provide short-term scientific training for international agricultural research scientists and policymakers from selected developing countries. Each Fellow is assigned a mentor who would visit the Fellow's host country after completion of the training. For more information, contact USDA FAS at 202-690-0775.

Learning Abroad Center is the University of Minnesota's comprehensive resource for study, work, intern, volunteer, and travel experiences worldwide. 2004-05 First Step Meetings Schedule: <http://www.UMabroad.umn.edu>.

Center for Teaching and Learning Services, Teaching Enrichment Series, Fall 2004: <http://www.teaching.umn.edu>.

## SEMINARS

September 29

MISA & WUSA, Nadine Lehrer, PhD student in Natural Resources Science Management, "Beef, Trees and Rural Policy: A Summer Internship in Western Minnesota," 11:30 a.m., 306 Borlaug Hall.

September 29

Special Seminar, "Mining Disease Resistance Genes from Wild Rice (*Oryza grandiglumis*)," Dr. Young-Soo Chung, Dong-A University, South Korea, 2:00 pm, 306 Borlaug Hall.

September 29

Horticultural Science, Dr. Helmut Diefenthal, "Agriculture in Tanzania," 3:30 p.m., 310 Alderman Hall.

September 29

Biochemistry, Molecular Biology and Biophysics, "A Tale of Two Mechanisms: Androgen Control of Liver Sex Differences and Prostate Cancer," Dr. Diane Robins, University of Michigan, 3-120 MCB, 4:00 p.m.

September 30

BioTechnology Institute, Dr. Isao Noda, The Procter & Gamble Company, "Nodax PHA Copolymers," 1:25 p.m., B-75 Amundson Hall, Minneapolis Campus.

October 4, 11, 18

Applied Plant Sciences (APS). There are no Applied Plant Sciences seminars scheduled for October 4, 11, 18. The next seminar will be Charlie Rohwer's on October 25. If anyone has an interest in giving a seminar during the Monday at 3:30 p.m. time slot, please contact Bud Markhart at [amarkhar@umn.edu](mailto:amarkhar@umn.edu).

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### MINNESOTA FOOD ASSOCIATION

CSA Farm Manager, Director of Agricultural Training Center, Wilder Forest, Marine on St. Croix. Bachelor's degree or equivalent experience. Three years of successfully managing and operating a community supported agriculture farm using sustainable farming practices, and familiarity with organic certification process. Start date: October 1, 2004 or as soon thereafter as possible.

Agronomy Gleanings, October 11, 2004

10/11/2004 8:00 AM

## AGRONOMY GLEANINGS

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WEB <http://agronomy.coafes.umn.edu/>

October 11, 2004

## ANNOUNCEMENTS

Farewell Coffee for Melissa Driscoll on Thursday, October 14 at 10:00 a.m. in 306 Borlaug Hall.

Department Fall Social. The Department of Agronomy and Plant Genetics' Fall Social will be held on Friday, October 15th from 3:00 pm to 5:00 pm in the Atrium of the Cargill Building. Come and meet department faculty, staff and students, and enjoy a fine wine and cheese selection!

The Gopher Crops and Soils Club Offers Pumpkins for Sale. Miniature pumpkins: \$.50/each or 3/\$1.00. Large, medium, and small pumpkins: price range \$.50 to \$4.00. Order in 411 Borlaug Hall or pick them up from the students on Friday's in October after work along Gortner Avenue.

U of M to Celebrate Dr. Norman Borlaug World Food Prize Day, 2 p.m., Sunday, October 17 in Borlaug Hall, 1991 Upper Buford Circle, U of M, St. Paul campus.

Fall Fest, Sunday, October 17, St. Paul Campus. More details: [www.umn.edu/twincities/fallfest](http://www.umn.edu/twincities/fallfest).

E. C. Stakman Award, Wednesday, October 20, 365 Borlaug Hall, 3:15 p.m. (reception); 3:45 (award presentation); 4 p.m. (lecture). 2004 Recipient: Dr. Jan Leach from Colorado State University. Seminar Title: Strategies to Achieve Durable Disease Resistance in Rice.

Dr. Frank Pflieger's retirement party, Friday, October 29, 306 Borlaug Hall, 3:00 - 5:30 p.m.

Luce Scholars Program for Professional Apprenticeships in Asia. Campus application deadline: November 1, 2004, Graduate School Fellowship Office, 314 Johnston Hall, Minneapolis Campus. More information is available at the Henry Luce Foundation's website: <http://www.hluce.org>.

Gifts for Civil Service and Bargaining Unit (CSBU) members from CSBU Staff Day are

still available. (Bring your U Card.) For more information, contact Stephanie at [sdilwort@che.umn.edu](mailto:sdilwort@che.umn.edu).

Educational Opportunities for Community Builders/Rural Development Leadership Network at <http://www.ruraldevelopment.org>.

## SEMINARS

October 11, 18

Applied Plant Sciences (APS). There are no Applied Plant Sciences seminars scheduled for October 11 or 18. The next seminar will be Charlie Rohwer's on October 25. If anyone has an interest in giving a seminar during the Monday at 3:30 p.m. time slot, please contact Bud Markhart at [amarkhar@umn.edu](mailto:amarkhar@umn.edu).

October 12

Plant Biological Sciences, Dr. Hironori Ito, Postdoc, Dept of Plant Biology, Univ of Minnesota, "Gibberellin Signal Transduction Pathway in Rice," 3:30 p.m., 239 Gortner Lab.

October 13

What's Up in Sustainable Agriculture? and Minnesota Institute for Sustainable Agriculture, Marjorie Ross, Masters of Science student in Applied Plant Sciences, "The 2004 Community Food and Farm Festival: Linking Farmers and Consumers," 12:00 noon, 306 Borlaug Hall, St. Paul Campus.

October 13

Biochemistry, Molecular Biology & Biophysics, Faculty candidate, Dr. John W. Frost, Michigan State University, "Benzene-Free Chemical Synthesis," 1:00 p.m., 239 Gortner Lab.

October 13

Horticultural Science, Dr. Richard Gladon, Iowa State University, "Study abroad in Ukraine," 3:30 p.m., 310 Alderman Hall.

October 15

Applied Plant Sciences (APS) M.S. Thesis Defense, "Study of bitter pit and fruit growth in 'Honeycrisp' apple," Adriana Telias, APS student in the Department of Horticultural Science, 9:00 am, 310 Alderman.

October 15

Plant Biological Sciences Thesis Proposal, Chris Wilson, PBS Graduate Student, "Gene Function and Expression of NHD1 and NHD2, Putative Na<sup>+</sup>/H<sup>+</sup> Antiporters, Arabidopsis thaliana," 12 noon, 105 Cargill Bldg.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### SOUTH DAKOTA STATE UNIVERSITY

Manager of seed certification division, South Dakota Agricultural Experiment Station located in the Plant Science Department, Brookings, SD. The MS degree (PhD degree preferred) in Agronomy, Plant Science, or closely related discipline. Closing date: November 10, 2004.

#### UNIVERSITY OF ARKANSAS

System Agronomist, Northeast Research & Extension Center, Keiser, AR. PhD degree in agronomy, weed science, or other related discipline. Closing date: November 15, 2004.

#### UNIVERSITY OF ARKANSAS

Research Associate in Crop Breeding/Physiology, Dept of Crop, Soil, and Environmental Sciences, Fayetteville, AR. PhD in crop breeding or physiology. Closing date: November 10, 2004.

#### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, specializing in home and commercial horticulture, ag business development, Bayfield and Ashland counties. Master's or other graduate degree in horticulture, agronomy, agricultural education. Closing date: October 20, 2004.

#### UNIVERSITY OF WISCONSIN-EXTENSION

Agriculture Agent, Specializing in Farm Business Management, Waushara County Extension office, Wautoma, WI. Master's or other graduate degree in a field such as agriculture education. Deadline: October 20, 2004.

#### VIRGINIA COOPERATIVE EXTENSION

Extension Agent, Agriculture and Natural Resources, Farm Business Management, Blacksburg, VA (Culpeper County). M.S is preferred; B.S. required, but must get an M.S. in 6 years. Closing date: October 22, 2004. Apply electronically online: Posting # 041483 <http://www.jobs.vt.edu>.

#### VIRGINIA COOPERATIVE EXTENSION

Extension Agent, Agriculture and Natural Resources, Farm Business Management, Blacksburg, VA (Hanover County). M.S is preferred; B.S. required, but must get an M.S. in 6 years. Closing date: October 22, 2004. Apply electronically online: Posting # 041476 <http://www.jobs.vt.edu>.

#### FOOD ALLIANCE

Midwest Business Development Manager, St. Paul, MN. Details: <http://www.foodalliance.org>. Closing date: October 20, 2004.

Agronomy Gleanings, October 19, 2004

10/19/2004 8:00 AM

## AGRONOMY GLEANINGS

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WEB <http://agronomy.coafes.umn.edu/>

October 19, 2004

## ANNOUNCEMENTS

2004 Agronomy & Plant Genetics' New Students & Staff:

Jayanand Boddu, India (Muehlbauer)

Tae-Seok Ko, Korea (Somers)

Song Joong Yun, Korea (Muehlbauer)

Maria Larriera, Uruguay (Orf)

Alex Rigor, Philippines (Anderson)

Toi Tsilo, South Africa (Anderson)

Gerardo Guzman, Columbia (Naeve)

Gavin Hart, Guyana (Orf)

Andrew Baumgarten (Phillips)

Janet Lewis (Muehlbauer)

Kari Eichstaedt (Wyse)

Brent Hulke (Ehlke)

Laura Phillips (Jordan)

Matthew Walch (Phillips)

Laurie Brand (Administration)

Paul Huettl (Phillips)

Susan Lewis (MPG Administration)

Sarah Sohl (Durgan)

Hedera Porter (Rines)

Special Thanks to the Social Committee for the super job they did in preparing and hosting the Fall Social!

Departmental Coffee, October 28, 9:30 a.m., Cargill Building. Sponsored by Syngenta and the Phillips' and Rines' Labs.

The Gopher Crops and Soils Undergrad Club will sell pumpkins on Wednesday, October 20, 3:30-5:30 at the Kiosk on Gortner Avenue.



22nd Beta of Clovia Bazaar, Friday October 22, 9 a.m. to 7 p.m. and Saturday, October 23, 10 a.m. to 2 p.m., North Star Ballroom, 2nd Floor, St. Paul Student Center. Featuring: "Meadow Lily" Quilt, plus specialty foods, woven rugs, holiday items, nature crafts, tot shop, imports, antiques, and collectibles. <http://www.nnic.com/clovia/>.

Employee Health & Benefits Fair, Tuesday, October 26, NorthStar Ballroom, 10 a.m. - 3 p.m., St. Paul Campus.

2nd International Symposium of Rice Functional Genomics, The University of Arizona, November 15-17, Tucson, Arizona. <http://www.rfg2004.org>.

## SEMINARS

October 20

What's Up in Sustainable Agriculture? and Minnesota Institute for Sustainable Agriculture, present: Melissa Pawlisch, Clean Energy Resource Team (CERTs), Coordinator for the U of MN Regional Sustainable Development Partnerships, "Engaging Communities in Energy Planning through CERTs," 12:00 noon, 306 Borlaug Hall.

October 20

The Center for Microbial and Plant Genomics, Dr. Nathan Springer, Plant Biology, "Using Oligonucleotide Microarrays to Study Genomic DNA, Polymorphisms, Mutations and Genome Structure," 12:00 noon, 105 Cargill-MPG.

October 20

Horticultural Science, Drs. Neil Anderson and John Erwin, "Collecting in South Africa," 3:30 p.m., 310 Alderman Hall.

October 20

Biochemistry, Molecular Biology & Biophysics, "SNARE-Induced Membrane Fusion: Digging out the Structural Basis from the Membrane with EPR," Dr. Yeon-Kyun Shin, Iowa State University, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

October 21

The Minnesota Institute for Sustainable Agriculture, The Department of Agronomy & Plant Genetics, and The Department of Soil, Water and Climate present: Francis Thicke, "Ecology as a Model for Agriculture," 3:00 p.m., 33 McNeal Hall, St. Paul Campus.

October 22

PBS Graduate Student Seminar, Maj Padamsee, "Identity Crises in the Genus Psathyrella," 12 Noon, 105 Cargill Building.

October 22

The Noble Foundation, Dr. ZengYu Wang, Associate Scientist, Noble Foundation, "Genetic Improvement of Forage Crops," Room 105, Cargill Building for Microbial and Plant Genomics, 3:30 pm. Following the seminar, join us in the Atrium for light hors d'oeuvres and refreshments at 4:30 pm. For more information about Dr. Wang, visit <http://www.noble.org/ForgBiot/Staff/Wang.htm>

October 25

Applied Plant Sciences (APS), "Bean Genes and Breeding," Dr. Peter Pauls, University of Guelph, 3:30 p.m., 306 Borlaug Hall. Dr. Pauls' focus is the development and application of tissue culture and molecular biology techniques to crop improvement.

October 26

Plant Biological Sciences, "Genetic Network Modeling of Flowering Time Control," Dr. Steve Welch, Kansas State University, 3:30 p.m., 105 Cargill Bldg.

October 27

The Interdisciplinary Center for the Study of Global Change/MacArthur Program invites you to a MacArthur Distinguished Public Lecture: "A New Agro-Ecology of Disease: Maize, Malaria, and New Evidence from Ethiopia," Dr. Jim McCann, Boston University, 4:00-5:30 p.m., 1114 Social Science Tower, U of MN West Bank.

October 28

Brown Bag Seminar, Margot Rudstrom, "From Green Grass to Cash: Economic Aspects of Grazing," Noon to 1:00 p.m., Room 230 Classroom Office Bldg. All are welcome.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF KENTUCKY

Research Specialist, Small Grain Variety Testing (wheat and barley), Department of Agronomy, Lexington, KY. M.S. in Plant Breeding or Agronomy or closely related area. Closing date: November 1, 2004.

#### UNIVERSITY OF KENTUCKY

Research Specialist, Forage Variety Testing, Department of Agronomy, Lexington, KY. M.S. in Plant Breeding or Agronomy or closely related area. Closing date: November 1, 2004.

#### UNIVERSITY OF MISSOURI

Postdoctoral Associate to investigate the stress signaling networks in plants, Danforth Plant Science Center, St. Louis, MO. Ph.D degree and working experience in protein biochemistry and molecular biology. Review of applications will begin immediately and continue until the position is filled.

## UNIVERSITY OF MISSOURI

Postdoctoral Associate for an NSF-funded project on phospholipase/membrane lipid-mediated signal transduction in plant stress responses, Danforth Plant Science Center, St. Louis, MO. Ph.D degree and working experience in protein biochemistry and molecular biology. Review of applications will begin immediately and continue until the position is filled.

## TOMATOES

Journal Entry

Intro to Ethnopharmacology: People, Plants and Drugs

Joy R. Borchardt

1.30.04

Remember those summer days when the tomatoes are ripening at a seemingly exponential rate? After waiting all spring and half the summer nurturing the tomato plants into production with the great anticipation of that first truly vine-ripened, flavor packed red tomato.... You finally pick it.

Maybe you rush into the house to slice it up thin or in quarters and sprinkle a little salt on it, or maybe you just bite into it while you're standing in the garden with the juice running down your chin. Nothing like a vine-ripened summer tomato fresh out of the garden.... until there are hundreds of them. Dozens of them ripening at the same time, the branches so heavy they are bending to the ground almost to the point of breaking. And you're trying to keep up with the harvest.... Eating, canning, freezing, giving them away and finally out of exhaustion, recycling them.

Something happens after you pick that first summer ripened red tomato. I think there might be a phyto-plot, a plot by the garden plants. They send out phytochemical signals to every plant, not only in the garden, but the entire neighborhood RIPEN everyone RIPEN we will exhaust the two-leggeds, the winged and the 4-legged furry creatures with our overwhelming bounty, and their attacks on our juicy red fruits will cease!

And pretty soon everyone in the neighborhood has been given as many tomatoes as they can handle; neighbors start shutting their window shades when they see you coming up their driveway with another basket full of tomatoes; the produce person at the grocery store spots you wheeling tomatoes into the store and they spin around and make for the back door. Until at last, attention must be turned to other garden produce ... did someone say zucchini?

Then, it's the middle of the winter with -20 degree F temps and colder; winds howling outside your windows blowing 4 foot drifts in your yard and you go to the pantry and the freezer and find those canned and frozen jewels of red tomatoes that are removed one by one from storage and are treasured and enjoyed as they are made into spaghetti sauce and soups that fill the whole house with their aroma.

Just about the time the supply of red jewels are almost diminished, then the seed catalogs come in the mail ... oh look a new variety of tomato: determinant growth, heavy producer, short growth days, low acid, packed with flavor, ..... And the craving awakens. Thoughts of potting soil, starter pots and growth lights start churning. Plans of plant hardening, tilling and planting dates.

Thoughts of that first truly vine-ripened, flavor packed, juicy red tomato of the summer.

Agronomy Gleanings, October 25, 2004

10/25/2004 8:00 AM

## AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota

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WEB <http://agronomy.coafes.umn.edu/>

October 25, 2004

## ANNOUNCEMENTS

Employee Health & Benefits Fair, Tuesday, October 26, NorthStar Ballroom, 10 a.m. - 3 p.m., St. Paul Campus.

Departmental Coffee, October 28, 9:30 a.m., Cargill Building. Sponsored by Syngenta and the Phillips' and Rines' Labs.

Open-house Social, on the occasion of the retirement of Frank Pflieger, Head, Department of Plant Pathology, Friday, October 29, 2004, 3:00-5:30 P.M., Room 306, Borlaug Hall, St. Paul Campus. Please join us in conveying to Frank our best wishes for his future.

"Healthy Foods, Healthy Lives: Setting the Agenda," University President's 21st Century Interdisciplinary Conference, November 2-3, Coffman Memorial Union Theater, Minneapolis Campus. Details: [www.healthyfoodshealthylikes.umn.edu](http://www.healthyfoodshealthylikes.umn.edu)

Invitation to a reception to celebrate the selection of Dean Muscoplat as a University of Minnesota McKnight Presidential Leadership Chair, Thursday, November 4, from 4 p.m. to 6 p.m., Cargill Building, with a brief program beginning at 5 p.m. R.S.V.P. to Lorri Chapman, 612-624-6252 or [lchapman@umn.edu](mailto:lchapman@umn.edu) by October 28. Details: <http://www.coafes.umn.edu/reception>

A New Frontier: Agricultural Energy & Products Conference, Tuesday, November 9, 2004, Brookings Inn, Brookings, SD. Pre-registration by October 29. Details: <http://sungrant.sdstate.org/anfconference/index.cfm>

## SEMINARS

October 25

Plant Pathology, Dr. Barbara Baker, University of California, Berkley, "Genetic and genomic studies on evolution structure and function of R genes, phyto-sensors for pathogens recognition and resistance," 3:00 p.m., 105 Cargill Building.

October 25

Applied Plant Sciences (APS), Dr. Peter Pauls, University of Guelph, "Bean Genes and Breeding," 3:30 p.m., 306 Borlaug Hall. Dr. Pauls' focus is the development and application of tissue culture and molecular biology techniques to crop improvement.

October 26

Plant Biological Sciences, Dr. Steve Welch, Kansas State University, "Genetic Network Modeling of Flowering Time Control," 3:30 p.m., 105 Cargill Bldg.

October 27

WUSA and MISA, Corrie Zoll, "The Green Institute's New Projects," 12:00 noon, 306 Borlaug Hall.

October 27

Horticultural Science, Mr. Philip L. Forsline, Cornell University, "Apples: From Johnny Appleseed and Kazakhstan to Geneva, New York and Minnesota," 3:30 p.m., 310 Alderman Hall.

October 27

Biochemistry, Molecular Biology & Biophysics, "Remodeling and Fixing Broken Chromosomes," Dr. Sang Eun Lee, University of Texas, San Antonio, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

October 27

The Interdisciplinary Center for the Study of Global Change/MacArthur Program invites you to a MacArthur Distinguished Public Lecture: "A New Agro-Ecology of Disease: Maize, Malaria, and New Evidence from Ethiopia," Dr. Jim McCann, Boston University, 4:00-5:30 p.m., 1114 Social Science Tower, U of MN West Bank.

October 28

Brown Bag Seminar, Margot Rudstrom, "From Green Grass to Cash: Economic Aspects of Grazing," Noon to 1:00 p.m., Room 230 Classroom Office Bldg. All are welcome.

October 28

BioTechnology Institute, Prof. Barry Wanner, Purdue University, "Stochastic changes in expression for a gene controlled by the PhoR/PhoB two-component regulatory system," 3:30 p.m., 239 Gortner Lab., St. Paul Campus.

October 29

Plant Biological Sciences, Wenjing Zhang, PBS Graduate Student, "Investigating the Role of ETA2 in Regulating SCF Complex Activity," 12 noon, 105 Cargill Bldg.

November 2

Lunch Series on the Societal Implications of the Life Sciences, "Risk, Reason & Regulation of Medical Devices," Prof. Michael Lysaght, PhD, Brown University,

12:15-1:30 p.m., Coffman Memorial Union, Mississippi Room.  
[www.lifesci.consortium.umn.edu](http://www.lifesci.consortium.umn.edu)

November 4

Center for Plants and Human Health, Shana Sturla, PhD, Assistant Professor, Medicinal Chemistry, "Investigating Mechanisms of Chemoprevention With Metabolically Stable Analogs of Inositol Phosphates," November 4, 3:00 p.m., 306 Borlaug Hall. <http://cphh.coafes.umn.edu>

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### PURDUE UNIVERSITY

Associate/Full Professor, Fred Patterson Endowed Chair: Soybean Genomics and Breeding, Department of Agronomy, West Lafayette, IN. PhD in plant genetics, genomics, plant breeding, or related field. Closing date: November 15, 2004.

Agronomy Gleanings, November 3, 2004

11/3/2004 8:00 AM

## 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@mail.coafes.umn.edu](mailto:agro@mail.coafes.umn.edu)

WEB <http://agronomy.coafes.umn.edu/>

November 3, 2004

## ANNOUNCEMENTS

Sloppy Joe Lunch and Turkey Raffle, Tuesday, November 16, 11:30 a.m.-1:00 p.m., 306 Borlaug Hall. \$3 at the door/\$2 if you bring a dessert. Raffle tickets for turkey and door prizes available from graduate students (\$1 each or \$5 for 6). Vegetarian sandwiches will also be served.

Dr. Kimberly Marten, a Roseville native and daughter of Professor Emeritus Gordon Marten and his wife Lynette, will appear at the U of M Bookstore in Coffman Memorial Union on the Minneapolis Campus on Tuesday, November 23 at noon for signing of her book just published by Columbia University Press. The provocative book is entitled 'Enforcing the Peace: Learning from the Imperial Past'. Details are given at the U of M Bookstores website (click on "General & Reference Books" and then on "Author Events"). Kimberly will also discuss her book on Minnesota Public Radio (KNOW 91.1 FM) on their "Midmorning" show from 9-10 A.M. on Friday, November 26. She is Associate Professor of Political Science at Barnard College of Columbia University and a member of the Council on Foreign Relations in New York City.

West Central Research and Outreach Center ground-breaking on a hybrid wind energy research and demonstration system in Morris, MN, Wednesday, November 10, 4:00 p.m. Update and discussion at 6:00 p.m.

What You Can Do to Save Energy at the U: <http://www.facm.umn.edu/enews/102004.html>

Uplan Open Enrollment deadline: midnight, Monday, November 15, 2004 <http://umn.edu/ohr/eb>

The University of Minnesota Outreach, Education and Research Park (Umore Park) website is now up and running: [www.umorepark.umn.edu](http://www.umorepark.umn.edu)



## SEMINARS

Wednesday, November 3

WUSA and MISA, Mary Jo Forbord, "Creating a Bright Future for Livestock Farmers in Minnesota: A report by the Citizens Task Force on Livestock Farmers and Rural Communities," 12 noon, 306 Borlaug Hall.

Wednesday, November 3

The Center for Microbial and Plant Genomics, Dr. Claudia Schmidt-Dannert, Biochemistry, Molecular Biology and Biophysics, "TBA," 12:00 noon, 105 Cargill-MPG.

Wednesday, November 3

Horticultural Science, Dr. Cindy Tong, "Horticultural Science, Building and Safety Committee? Safety Training," 3:30 p.m., 310 Alderman Hall.

Wednesday, November 3

Biochemistry, Molecular Biology and Biophysics, "Genome Surveillance Functions of ATM/ATR Family Kinases," Dr. Randy Tibbetts, University of Wisconsin-Madison, 4:00 p.m., 3-120 MCB, Minneapolis Campus.

Thursday, November 4

Center for Plants and Human Health, "Investigating Mechanisms of Chemoprevention With Metabolically Stable Analogs of Inositol Phosphates," Shana Sturla, PhD, Assistant Professor, Medicinal Chemistry, 3:00 - 4:00 p.m., 306 Borlaug Hall. No registration is required for this free seminar.

Thursday, November 4

BioTechnology, Jeffrey Running, Bio-Technical Resources, Manitowoc, WI, "Industrial L-ascorbic Acid Production and Pathway Elucidation in Heterotrophic Microalgae," 3:30 p.m., 239 Gortner Lab.

Friday, November 5

Plant Biological Sciences, Thesis Proposal, Sajeet Haridas, Graduate Student, "Analysis of Putative Calcium Dependent Protein Kinase (CDPK) in *Medicago truncatula*," 11:30 a.m., 105 Cargill.

Friday, November 5

Plant Biological Sciences, Thesis Proposal, Adam Huang, Graduate Student, "Characterization of a Sugar Insensitive Mutant," 12:30 p.m., 105 Cargill.

Tuesday, November 9

Plant Biological Sciences, Dr. Tobin Peever, Washington State University, "Genetic Structure and Mating System of Introduced Populations of the Ascochyta Blight Fungus on Chickpea," 3:30 p.m., 105 Cargill Bldg.

Wednesday, November 10

Great Conversations, "An International Political Perspective," J. Brian Atwood and Clare Short, M.P. Major figures in U.S. and U.K. politics discuss the results of the American Presidential election and the war in Iraq, 7:30 p.m., Ted Mann Concert Hall. <http://www.cce.umn.edu/conversations>

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### MICHIGAN STATE UNIVERSITY

Assistant Professor, Soil Fertility and Nutrient Management, Crop and Soil Sciences, East Lansing, MI. Ph.D. in Soil Science or a related field with training in soil fertility, nutrient management and plant nutrition. Closing date: December 8, 2004.

#### KANSAS STATE UNIVERSITY

Graduate Research Assistant, Weed Science, Department of Agronomy, Manhattan, KS. B.S. or M.S. degree in Agronomy, Weed Science, Plant Ecology, Plant Physiology or related discipline. Date available: January 2005.

Agronomy Gleanings, November 15, 2004

11/15/2004 8:00 AM

## AGRONOMY GLEANINGS

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November 15, 2004

## ANNOUNCEMENTS

Sloppy Joe Lunch and Turkey Raffle, Tuesday, November 16, 11:30 a.m.-1:00 p.m., 306 Borlaug Hall. \$3 at the door/\$2 if you bring a dessert. Raffle tickets for turkey and door prizes available from graduate students (\$1 each or \$5 for 6). Vegetarian sandwiches will also be served.

Congratulations!

- Dale R. Hicks was presented the CSSA Crop Science Extension Education Award in recognition of excellence in extension teaching activities in the area of crop science.
- Nancy Jo Ehlke was elected ASA Fellow for her professional achievements and meritorious service.
- CSSA 1st Place Winners for the C1 Poster Contest were D.A. Tabanao and R. Bernardo, "Genetic Variability and Small Number of Parents in Maize Breeding Populations."

Initiative for Renewable Energy and the Environment (IREE), First Annual Research Symposium, Thursday, November 18, 9:00 a.m. - 4:30 p.m., Cowles Auditorium and Atrium, Humphrey Center, University of Minnesota, 301 - 19th Avenue South, Minneapolis, MN. The symposium will cover such varied topics as empowering rural communities, producing biohydrogen, using genomics to improve crop biofuel production, and energy efficient buildings. Keynote speaker James Fischer from the U.S. Department of Energy will talk about "Federal-State-University Partnerships." No registration required. Details: [www.iree.umn.edu](http://www.iree.umn.edu).

U of M St. Paul Blood Drive, Monday, November 22, 10:00 a.m.-4:00 p.m., Student Center Lower Level. Sign up: [rabe0029@umn.edu](mailto:rabe0029@umn.edu)

St. Paul Campus Faculty and Staff, Come for Lunch at the Campus Club. Offer good weekdays 11:00-1:30 p.m., November only. Membership not necessary. Visit our front desk, 4th floor Coffman Union. Complete details: [www.umn.edu/cclub](http://www.umn.edu/cclub)

Learn about Blogs, RefWorks at Magrath Library. Wondering about using a blog in your class next semester? Been meaning to learn about RefWorks, but haven't found the time? Sign up for a Library class today, at <http://www.lib.umn.edu/registration/>

COAFES Fall Assembly. Students, staff and faculty in COAFES are invited to attend the Fall Assembly to be held on December 16, 3:00 to 4:30 pm in the Cargill Building. The Assembly will feature a presentation by Provost Thomas Sullivan on the current efforts in strategic planning and mission definition at the University. A joint reception with the College Alumni Society Board will follow the Assembly.

## SEMINARS

November 16

Biochemistry, Molecular Biology, and Biophysics, 2004 Lerner Lecture, "Lipotoxicity: When Tissues Overeat," Dr. Jean Schaffer, Washington University School of Medicine, St. Louis, MO, 12:20 p.m., 2-620 Moos Tower, Minneapolis Campus. (Note: Date, Time & Room Change.)

November 16

BioTechnology Institute, Dr. Jong-Su Jin, Cambridge, Massachusetts, "Microbial engineering through systems biology: wrestling with biological complexity for strain improvement," 2:15 p.m., 3-120 MCB, Minneapolis Campus. Chalk Talk: November 17, 2:15 p.m., 342 Gortner, St. Paul Campus.

November 16

Plant Biological Sciences, "Investigating and identifying pathways regulated by SCF-mediated protein degradation in Arabidopsis," Dr. Marcel Quint, Postdoc, Plant Biology, Univ. of Minnesota, 3:30 p.m., 105 Cargill Bldg.

November 17

MISA & WUSA, Steve Simmons, Paul Porter and Students from the Summer 2004 Agroecosystems Analysis Course, "What's all the Buzz About?," 12:00 noon, 306 Borlaug Hall.

November 17

The Center for Microbial and Plant Genomics, Dr. Ken Vernick, Microbiology, "The Molecular Interface Between Malaria Parasites and the Mosquito Vector," 12:00 noon, 105 Cargill-MPG.

November 17

Horticultural Science, Dr. John Bamberg, University of Wisconsin-Madison, "Germplasm collection, preservation, characterization, and linking worldwide germplasm centers," 3:30 p.m., 310 Alderman Hall.

November 19

Plant Biological Sciences, Thesis Proposal, Songqing Ye, Graduate Student, "The Functional Genomics of Indole-3-Pyruvic Acid Decarboxylase (ipdc) in Auxin Biosynthesis," 11:30 a.m., 105 Cargill Bldg.

November 19

Plant Biological Sciences, Thesis Proposal, Pavani Maragowni, Graduate Student, "Change in IAA Metabolism in Hypocotyls of Arabidopsis thaliana Seedlings at High Temperature Stress," 12:30 p.m., 105 Cargill Bldg.

Friday, November 19

Plant Pathology, Dr. Lois E.B. Johnson, DuPont Corporation, "A Plant Pathologist's Odyssey--the Lure of the Private Sector," 1:30 p.m., 365 Borlaug Hall.

November 22

Applied Plant Sciences (APS), Lois Braun, Graduate Student in Horticultural Science, tentative title: "Agroforestry Solutions for Lesotho, South Africa's Mountain Kingdom," 3:30 p.m., 306 Borlaug Hall.

#### POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

#### UNIVERSITY OF MINNESOTA

Regional Extension Educator, Crops, Extension Regional Center, Moorhead, MN. Master's degree in agronomy, soil science, weed science, engineering, entomology, plant pathology, plant science, agricultural education, sustainable agriculture, or a related discipline. Closing date: December 15, 2004.

#### USDA ARS RECRUITMENT OFFICE

[www.ars.usda.gov/careers](http://www.ars.usda.gov/careers)

#### PURDUE UNIVERSITY

Assistant/Associate Professor, Soil Fertility/Crop Nutrient Management Specialist, West Lafayette, Indiana. A Ph.D. degree in soil fertility, soil chemistry, plant physiology, or related field with an emphasis in soil fertility and crop nutrient management. Closing date: February 1, 2005.

#### SOUTH DAKOTA STATE UNIVERSITY

Assistant Professor/Extension Agronomist, Weeds, SD Cooperative Extension Service, Plant Science Department, Brookings, SD. PhD in agronomy or closely related field, with an emphasis in weed management. Closing date: December 30, 2004.

#### KANSAS STATE UNIVERSITY

Post-doctoral Research Associate, Department of Agronomy, Manhattan, KS. PhD in soil science, crop science or related discipline. Closing date: January 10, 2004.

Agronomy Gleanings, November 30, 2004

11/30/2004 8:00 AM

## AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota

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WEB <http://agronomy.coafes.umn.edu/>

November 30, 2004

## ANNOUNCEMENTS

Department Holiday Potluck Lunch, Friday, December 17th, 12 noon to 2:00 p.m., 306 Borlaug Hall. The Social committee invites you to bring a favorite recipe or try something new as we will again have mystery judges who will award prizes for the best food in five categories: main dish, ethnic dish, salad, dessert, and most festive food. We are also continuing the department tradition of giving "white elephant gifts." So if you have received a white elephant gift in the past, here's your chance to give it again! Watch for more details on the Holiday Potluck Lunch to follow next week.

Toys for Tots/Mitten Tree. The APS Graduate Student Association has set up a Christmas tree in the Agronomy/Plant Genetics main office. We ask you to help us make this Christmas season a joyful time for children who are underprivileged by donating toys, mittens, hat, scarves and coats. The toys that are donated will be distributed to children via the Toys for Tots program. Clothing articles will be taken to People Serving People, a non-profit home for children and families who have no home. Our goal is to have 100 toys and 100 clothing articles donated by the faculty, students and staff of our department. The Horticulture Dept. is working toward the same goal. Thank you for your support of the GSA as we strive to help our community. Happy Holidays! -APS GSA officers

For Sale: 20 gallon milk cans. Perfect for painting and decorating. Limited supplies - \$5 each. Call Donn 5-9765 or 612-868-2481.

U of M Dairy Food Gift Certificates for the Holidays. Purchase \$5 and \$10 gift certificates good for dairy food products made on campus. Gift certificates are available in the Dairy Food Products Salesroom, Wednesdays, 3:00 to 5:00 p.m., 166 Andrew Boss Laboratories, Meat Science (ABLMS), 1354 Eckles Ave. [http://fscn.che.umn.edu/services/dairy\\_salesroom.html](http://fscn.che.umn.edu/services/dairy_salesroom.html)

Minnesota Cattle Feeder Day, Tuesday, December 7, 9:30 am--registration, 10:00 am to 3:00 pm--Program, WCROC, Morris, MN. Pre-registration: (800) 241-4532.

MAS Science Bowl volunteers. The Minnesota Academy of Science is hosting the 12th Annual Minnesota Science Bowl competition at Macalester College on Friday, January 21. The Academy is looking for volunteers to help with the Round Robin portion of the

competition (11:00 am - 5:00 pm) and also for volunteers who could stay past dinner (which is provided, along with a souvenir t-shirt) to help with the Double Elimination rounds (5:30-9:00pm). If you'd like to help with this year's Science Bowl, please register at [http://www.mnacadsci.org/Events/Bowl\\_Vol/sbVolunteers.asp](http://www.mnacadsci.org/Events/Bowl_Vol/sbVolunteers.asp).

Undergraduate Internship in Bioinformatics. The University of Minnesota is pleased to announce the Bioinformatics Summer Institute's Internship Program for Summer 2005 for undergraduate students. This program is supported by the National Science Foundation, the National Institutes of Health, and the Digital Technology Center at the University of Minnesota. For additional information, please see: <http://www.bsi.umn.edu>

## SEMINARS

November 30

Microarray Tutorial-CGL, "Introduction to SAS Microarray for expression data analysis," John Bander (SAS Institute, Systems Engineer), 9:30 - 11:30 am, 138 Cargill Bldg. for Microbial and Plant Genomics, St. Paul. Register: [wxu@msi.umn.edu](mailto:wxu@msi.umn.edu).

November 30

Plant Biological Sciences, "Pathogenomics of *Fusarium graminearum*, a fungal pathogen of wheat and barley," Dr. Corby Kistler, USDA Cereal Disease Lab and Plant Pathology Department, 3:30 pm, 105 Cargill Building.

December 1

MISA & WUSA, Jared Ashling, "Student farms, what are other colleges doing?," 12:00 noon, 306 Borlaug Hall.

December 1

The Center for Microbial and Plant Genomics, Dr. Phil Pardey, Applied Economics, "Bioscience policy-investments, impacts and IPRs," 12:00 noon, 105 Cargill-MPG.

December 1

Horticultural Science, Dr. Susan Galatowitsch, "Removing Invasive Trees to Restore Rivers and Streams: South Africa's Working for Water Program," 3:30 pm, 310 Alderman Hall.

December 1

Biochemistry Molecular Biology & Biophysics, "Mechanisms of HIV Mutagenesis," Dr. Louis Mansky, University of Minnesota, Institute of Molecular Virology, 4:00 pm, 3-120 MCB, Minneapolis.

December 2

BioTechnology Institute, Elizabeth Ambrose Amin, PhD, Chemistry Department, "Design and optimization of metalloprotein-targeted antiarthritic and anticancer drugs," 3:15 pm, Basic Sciences Biomedical Engineering 2-101, Minneapolis Campus.

December 3

Plant Biological Sciences, Thesis Proposal, Laurie Stone, Graduate Student, "CO<sub>2</sub>, Nitrogen, Biodiversity Effects on Patterns of Phenotypic Selection in Three Native Grassland Perennials: *Lespedeza capitata*, *Koeleria cristata*, and *Schizachyrium scoparium*," 12 noon, 105 Cargill Building.

December 8

The Lecture Series on Law, Health & the Life Sciences, "Stem Cell Biology: Good Ethics Depend on Good Facts," Professor Evan Snyder, MD, PhD, (Burnham Institute and University of California, San Diego), 11:30am-1:00pm, Coffman Memorial Union's Mississippi Room. For more info: <http://www.lifesci.consortium.umn.edu>

December 9

Center for Plants and Human Health, "Why do we eat? A neural systems approach," Allen S. Levine, h.D., Professor and Head Department of Food Science & Nutrition, Director, Minnesota Obesity Center, 3:30- 4:30 pm, 2-137 Jackson Hall, Minneapolis Campus.

## POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

### UNIVERSITY OF WISCONSIN-MADISON

Assistant/Associate Professor, Ecologically-based Weed Management, Department of Horticulture. PhD in horticulture, botany, weed science, ecology or related field. Closing date: February 18, 2005.

### UNIVERSITY OF ARIZONA

Assistant/Associate Professor, Plant Biology, Department of Plant Sciences, Tucson. PhD in plant biology and postdoctoral research training. Closing date: January 12, 2005.

### UNIVERSITY OF MINNESOTA EXTENSION SERVICE

Regional Extension Educator-Crops, Extension Regional Center at Moorhead, MN. <http://www.extension.umn.edu/units/director/hr/positions.html>. Initial deadline: December 15, 2004.