

Agronomy Gleanings, January 8, 2007

1/8/2007 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@umn.edu
WEB <http://agronomy.coafes.umn.edu/>
January 8, 2007

ANNOUNCEMENTS

Martin Luther King Holiday, Monday, January 15, 2007. University offices closed.

Birth Announcement. Jennifer and Craig Flor are the proud parents of a baby boy, Travis, born December 5, weighing 8 lb 14.7 oz.

Professor James Anderson has been named a Fellow of the American Society of Agronomy (ASA). It is the highest honor the Society bestows on its members. Jim has been working in wheat breeding and genetics since 1989.

Brent Hulke (Advisors: Ehlike and Wyse) received the National Council of Commercial Plant Breeders (NCCPB) Award at the American Seed Trade Association, Corn & Sorghum and Soybean Seed Research Conference, December 5 - 8, 2006, Hyatt Regency Hotel, Chicago, Illinois. The award was established for outstanding graduate students in the field of basic, applied, or developmental research in genetics and plant breeding.

Please update your records. Address change: Minnesota Department of Agriculture (MDA)
625 Robert Street North
St. Paul, MN 55155-2538

IT Support. With the departure of Eric Smith from the Department of Plant Pathology on January 5, Bill Williamson along with Dave Ruschy and Mike Glaser will be assisting with the Department of Plant Pathology's IT needs in the short term until a replacement can be hired.

General IT support for the Department of Agronomy and Plant Genetics will be provided through the CFANS ticketing system. Requests for assistance can be submitted via the web <http://helpdesk.cfans.umn.edu> or via email cfans.help@umn.edu. Once received, Bill or another available IT person will contact you accordingly.

For assistance with poster printing, please utilize the CBS imaging center at <http://www.cbs.umn.edu/ic/posters/>

SEMINARS

Monday, January 8 (Research Seminar)

Forest Resources, Faculty Candidate, Michael R. Saunders, PhD, University of Maine, Orono, ME, "Dynamics of Forest Structure Under Differing Silvicultural Regimes in the Acadian Forest," 2:00 pm, 203 Green Hall, St. Paul Campus.

Tuesday, January 9 (Teaching Seminar)

Forest Resources, Faculty Candidate, Michael R. Saunders, "Density Management Tools," 9:00 am, 100 Skok Hall, St. Paul Campus.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF ARIZONA

Plant Biologist, Controlled Environment Agriculture, Department of Plant Sciences, Tucson, AZ. PhD degree and postdoctoral research experiences in plant science, horticultural science, or closely related field. Closing date: February 15, 2007.

Agronomy Gleanings, February 2, 2007

2/2/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.coafes.umn.edu/>
February 2, 2007

ANNOUNCEMENTS

Syngenta Departmental Coffee, with all-you-care-to-drink espresso bar and goodies, Wednesday, February 7, 10:00 am, 306 Borlaug Hall. ~ Hosted by the UMN Regional Sustainable Development Partnerships

6th Annual Invasion Biology Research Consortium Retreat, Tuesday, February 13, Tamarack Nature Center, White Bear Township, 8:30 check-in, 9:00 am to 4:30 pm presentations/discussions. Registration deadline: Tuesday, February 6. For registration form, email swans008@umn.edu. Cost: \$20.

2007 MN Forage Days, Tuesday, February 13, Ottertail; Wednesday, February 14, Kingston; Thursday, February 15, Goodhue. Registration at each location begins at 9:30 a.m., with the program running from 10:00 a.m. to 3:00 p.m. The program fee is \$30 per person, including refreshments, lunch and materials.

Minnesota Canola Council and Northern Minnesota Forage & Turf Seed Advisory Committee 2007 Joint Annual Conference, Monday, February 19, Roseau High School Auditorium, Roseau, MN. Pre-register by February 9.

The 18th Annual Upper Midwest Organic Farming Conference, Cultivating Integrity, February 22-24, La Crosse, WI. Register online at: <http://www.mosesorganic.org>

Minnesota Terrestrial Invasive Plants Conference, March 7 & 8, Holiday Inn, St. Cloud, MN. Register online at: <http://www.minnesotaswcs.org/>

SEMINARS

Friday, February 2

Forest Resources, Mark Norris, Graduate Student, "Plant-soil interactions: Ecosystem functioning in an oak savanna," 2:00 pm, 100 Skok Hall.

Monday, February 5

Applied Plant Sciences (APS), Betsy Gilkerson, Graduate Student, "Biofuel Grasses for

Livestock Use," 3:30 pm, 306 Borlaug Hall.

Tuesday, February 6

Plant Biological Sciences, Dr. James Thomson, Department of Zoology, University of Toronto, "Evolutionary transitions from insect to bird pollination," 3:30 pm, 335 Borlaug Hall.

Wednesday, February 7

Biochemistry, Molecular Biology & Biophysics, Dr. Ichiro Matsumura, Emory University, Atlanta, GA, "Directed Evolution of Multi-Protein Systems," 4:00 pm, 3-120 MCB.

Thursday, February 8

Candidate Interview Seminar, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. R. Varma Penmetsa, Department of Plant Pathology, University of California-Davis, "Deciphering Ethylene's Roles in Symbiotic and Pathogenic Interactions in the Legume *Medicago truncatula*," 9:00 am, 105 Cargill.

Thursday, February 8

BioTechnology Institute, Eddie Cytryn, Postdoc, University of Minnesota, "Whole-Genome Transcriptional Analysis of Desiccation Induced Stress in the Symbiotic, Nitrogen-Fixing Bacterium *Bradyrhizobium japonicum*," 3:30 pm, 239 Gortner.

Friday, February 9

Candidate Chalk Talk, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. R. Varma Penmetsa, Department of Plant Pathology, University of California-Davis, 8:30 am, 306 Borlaug Hall.

POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

BASF PLANT SCIENCE, LLC

Field Trial Associate-0600404, Estherville, IA. M.S. degree in Agronomy, Plant Breeding, Crop Science, Genetics, Crop Protection, Biological Sciences, or equivalent, or B.S. degree +3 years experience, or A.A. degree +7 years experience. Apply online at: <http://www.basf.com/careers/taleo/joblist.htm>

USDA-ARS, North Central Soil Conservation Research Lab, Morris, MN

Postdoctoral Research Associate (Research Agricultural Scientist GS-11). Ph.D. in agronomy, plant physiology, botany, soil science, or closely related field. <http://www.ars.usda.gov/mwa/ncscl>

COLORADO STATE UNIVERSITY

Assistant Water Quality Specialist, Department of Soil and Crop Sciences, Fort Collins, CO. B.S. degree is required; M.S. preferred. Degree(s) in agronomy, horticulture, integrated pest management, engineering, or other natural resource field. Closing date: March 1, 2007.

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February 8, 2007

ANNOUNCEMENTS

A Tropical Pancake Breakfast presented by the APS Grad Club, Tuesday, February 20, 8:30 -10:00 a.m., 306 Borlaug Hall. All you can eat Pancakes, Sausage, OJ, Coffee, Hot Chocolate and Pina Coladas. Only \$5.00. Buy pre-sale tickets and receive a chance to win one of two \$20.00 gift certificates to Joe's Crab Shack. Tickets available in the Agronomy main office and the Horticulture main office.

Cornercopia Student Organic Farm was honored at the Minnesota State Horticultural Society 2006 Awards and Recognition Ceremony on February 3, 2007. The St. Paul Garden Club Award for outstanding achievement in community vegetable gardening was given to the U of M's Cornercopia Student Organic Farm. This award is given to a group that is developing, sponsoring and perpetuating vegetable gardens that are educational, sustainable and provide opportunities for community members to grow fresh produce. Cornercopia Student Organic Farm is a student program of the Minnesota Institute for Sustainable Agriculture with faculty support from the departments of Agronomy & Plant Genetics and Horticultural Science. The student organic farm is currently in its third season transitioning its one and a half acre site on the St. Paul campus to meet USDA Organic Certification. Since the Student Organic Farm started in 2004, it has attracted students from over 25 different majors throughout the University. Currently there are 13 students enrolled in the student organic farm planning, growing and marketing course for spring semester. You can follow the students' progress through the season on the Student Organic Farm website: <http://sof.coafes.umn.edu/>

SEMINARS

Monday, February 12

Interview Seminar, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. Brendan Riely, Department of Plant Pathology, University of California-Davis, "Molecular Dissection of the Symbiotic Signal Transduction Networks in Legumes," 9:00-10:00 a.m., 306 Borlaug Hall.

Monday, February 12

Horticultural Science and Applied Economics, The Todd and Barbara Bachman

Marketing Chair candidate, Marco Costanigro, Washington State University, Pullman, WA, "Marketing Challenges and Opportunities in Horticulture," 9:00 am, 105 Cargill Building.

Monday, February 12

Applied Plant Sciences, Dr. Hans-Joachim Jung, USDA-ARS, "Biomass Production Issues for Cellulosic Ethanol," 3:30 pm, 306 Borlaug Hall.

Tuesday, February 13

Chalk Talk, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. Brendan Riely, Department of Plant Pathology, University of California-Davis, 8:30-9:30 a.m., 306 Borlaug Hall.

Wednesday, February 14

Interview Seminar, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. Jianhua Zhu, Department of Botany & Plant Sciences, University of California-Riverside, "Plant Abiotic Stress Responses: Role of Proteins and Small RNAs," 9:00-10:00 a.m., 306 Borlaug Hall.

Thursday, February 15

Chalk Talk, Assistant Professor, Functional and Biochemical Legume Crop Genomics, Dr. Jianhua Zhu, Department of Botany & Plant Sciences, University of California-Riverside, 8:30-9:30 a.m., 408 Hayes Hall.

Tuesday, February 20

Great Conversations, Allen Levine, Dean of the College of Food, Agricultural, and Natural Resource Sciences, explores the complex causes of the obesity epidemic with David Kessler, former Commissioner of the Food and Drug Administration, 7:30 pm, Ted Mann Concert Hall and followed by dessert reception with the speakers. To order tickets call, 612-624-2345.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

PIONEER

Agronomy Research Scientist, Research-Maize Product Development, York, Nebraska. PhD in Weed Science, Agronomy, Soil Science or Entomology with at least 5 years of additional field research and extension/technical support experience. Requisition # 4756BR <http://www.pioneer.com/careers>

SYNGENTA

Research Associate, Molecular Marker Lab, Stanton, MN. #SPD06-090. Bachelors of Science in Genetics, Plant Molecular Biology, or related discipline and relevant work experience, or MS degree with demonstrated working knowledge of molecular biology applications and genetic principles. Send cover letter and resume to: jobs.seedsnafta@syngenta.com

BUNGE GLOBAL AGRIBUSINESS

Full-time summer internship, Research Analyst Extern/Crop Scout, Central US wheat, corn and soybean growing areas, headquartered in White Plains, NY. Candidates should have completed 2 years of an undergraduate degree, major or double major in Agronomy, Agricultural Economics, Ag Business, Economics or Business. Contact: BGA.Careers@bunge.com; <http://www.bunge.com>

SYNGENTA

Herbicide Technical Leader, Jealott's Hill International Research Centre, Bracknell, Berkshire. Ref: JHB&L11. Closing date: February 23, 2007

CSREES PAS

Deputy Administrator for Plant and Animal Systems, CSREES: SES: 07-01, Washington, DC. <http://jobsearch.usajobs.opm.gov/a9csrees.asp>
Closing date: March 5, 2007.

DEPARTMENT OF AGRICULTURE, ARS

Research Geneticist, Sunflower Research Unit, Red River Valley Agricultural Research Center, Fargo, ND. Job # ARS-X7W-0094. Degree in genetics; or one of the basic biological sciences. <http://www.ars.usda.gov/careers>

Agronomy Gleanings, February 16, 2007

2/16/2007 8:00 AM

AGRONOMY GLEANINGS

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411 Borlaug Hall, 1991 Buford Circle, St. Paul, MN 55108
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.coafes.umn.edu/>
February 16, 2007

ANNOUNCEMENTS

A TROPICAL PANCAKE BREAKFAST, APS Grad Club, Tuesday, February 20, 8:30-10:00 a.m., 306 Borlaug Hall. All you can eat: Pancakes, Sausage, OJ, Coffee, Hot Chocolate, and Pina Coladas. Only \$5.00. Buy pre-sale tickets and receive a chance to win one of two \$20.00 gift certificates to Joe's Crab Shack. Tickets available in the Agronomy Main Office (411 Borlaug) and the Horticulture Main Office (305 Alderman).

RETIREMENT. In March, 2007, after 38 years of service to North Dakota State University and the University of Minnesota, Dr. Alan Dexter will retire from the Department of Plant Sciences. You are invited to join in honoring Alan on Thursday, March 22, Holiday Inn, Fargo, ND, social hour at 6:00 p.m. and dinner at 7:00 p.m. The cost of the dinner is \$30.00 per person. RSVP by March 8 to Marilyn Geiszler, NDSU (701-231-8881). Donations are being accepted for a scholarship to be set up in Alan's honor.

OBITUARY. Sir Bent Skovmand, an internationally renowned plant scientist and conservationist, died on February 6, 2007 in Kavlinge, Sweden of medical complications related to a brain tumor. A citizen of Denmark, he came to the University of Minnesota in 1966 as a participant in the Minnesota Agricultural Student Trainee (MAST) program. He trained on a family farm in southwestern Minnesota, and then earned his BS, MS and PhD (1971-1976) degrees from the University in Plant Pathology. The Skovmand family is establishing a "Bent Skovmand Fellowship" for support of a graduate student at the University of Minnesota. He is survived by his wife Eugenia, daughters Kirsten, Annelise, and Astrid, and son Francisco.

ASA-CSSA-SSSA

Awards, Fellowships and Scholarships launched for 2007. If you'd like to nominate someone, please visit:

<http://www.agronomy.org/awards>

<http://www.crops.org/awards>

<http://www.soils.org/awards>

SEMINARS

Monday, February 19

HORTICULTURAL SCIENCE AND APPLIED ECONOMICS, The Todd and Barbara Bachman Marketing Chair candidate, Chengyan Yue, Iowa State University, Ames, IA, "Marketing Challenges and Opportunities in Horticulture," 9:00 a.m., 310 Alderman Hall.

Monday, February 19

SOIL, WATER, CLIMATE, Larry Baker, Water Resources Center, "Whole Watershed Phosphorus Balances for Lake Management," 11:45 a.m., 375 Borlaug Hall.

Monday, February 19

APPLIED PLANT SCIENCES, Choo Kien Wong, MS student in Applied Plant Sciences, "Funding and Organization of Agricultural Research," 3:30 p.m., 306 Borlaug Hall.

Tuesday, February 20

PBS, Dr. Alan Jones, University of North Carolina at Chapel Hill, "An Unusual Sugar Sensing Mechanism in Arabidopsis," 3:30 p.m., 335 Borlaug Hall.

Tuesday, February 20

GREAT CONVERSATIONS, Allen Levine, Dean of CFANS, explores the complex causes of the obesity epidemic with David Kessler, former Commissioner of the Food and Drug Administration, 7:30 p.m., Ted Mann Concert Hall and followed by dessert reception with the speakers. To order tickets, call 612-624-2345.

Wednesday, February 21

BMBB, Goldberg Lecture, Dr. George Thomas, University of Cincinnati, Cincinnati, OH, "Nutrient Sensing in the mTOR/S6K1 Signaling Pathway," 4:00 p.m., 3-120 MCB, Minneapolis.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

NDSU

Extension Agronomist, Potatoes, Department of Plant Sciences, Fargo, ND. PhD in the crop sciences, broad knowledge in crop production, and plant diseases or related discipline. Closing date: April 2, 2007.

Agronomy Gleanings, February 23, 2007

2/23/2007 8:00 AM

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February 23, 2007

ANNOUNCEMENTS

H.K. HAYES GRADUATE STUDENT AWARD. Xiuling Zhang has been selected as this year's H.K. Hayes Graduate Student Award recipient. She is a Ph.D. candidate on the wheat genetics and breeding project who has excelled in research, scholarship and leadership. Congratulations to Xiuling. The award will be presented on May 31. Please mark your calendar for the award presentation and a discussion with the H.K. Hayes Memorial lecturer from 9:30-11:00. The lecture will be at 3:30 in the afternoon, presented by F. Abed, the founder and CEO of the largest NGO in Bangladesh. He was featured in an hour-long NOVA program last winter for his work on behalf of the poorest of the poor. His story is truly astounding.

APS SOUP LUNCH POTLUCK, Monday, March 5, 11:00 am-1:30 pm, 306 Borlaug Hall. Cost is \$5 or \$3 if you contribute a soup or dessert. For details, go to What's Happening at <http://agronomy.coafes.umn.edu/>

UMN NEWS, "Pulling the plug on excessive energy use," by Pauline Oo. At the University of Minnesota, the simplest energy conservation measures--such as switching off an office lamp at the end of the day--could save the U millions of dollars in energy costs annually. The University has more than 800 buildings across the state (or the same amount of space as 17,000 average homes), and approximately one third of its power usage is under discretionary control of the building occupants. "If every light on the campus was shut off one additional hour a day, we could save over \$500,000 a year," says Mary Santori, assistant director of Energy Management, a unit within the U's Facilities Management on the Twin Cities campus.

FIFTH ANNUAL SYMPOSIUM ON SMALL TOWNS, June 5 & 6, 2007, "Leveraging Resources to Improve Schools and Communities." Hosted by the Center for Small Towns, in partnership with Minnesota Campus Compact, Minnesota Public Radio, and the University of Minnesota Regional Sustainable Development Partnerships.

SEMINARS

Monday, February 26

APS, "Funding and Organization of Agricultural Research," Choo Kien Wong, M.S.

student in APS, 3:30 pm, 306 Borlaug Hall.

Wednesday, February 28

BMBB, Dr. Qiang Cui, University of Wisconsin, Madison, "Mechanochemical Coupling in Biomolecules: Insights from Molecular Simulations at Multiple Scales," 4:00 p.m., 3-120 MCB.

Thursday, March 1

MINNESOTA LECTURES ON APPLIED ECONOMICS AND POLICY presents the second Philip M. Raup Lecture on Land and Environmental Policy, 3:00 p.m., Microbial and Plant Genomics Institute, Cargill Building, St. Paul Campus. The speaker will be Dr. Daniel W. Bromley, Anderson-Bascom, Professor of Applied Economics, University of Wisconsin-Madison. He will present, "Crafting Environmental Policy in the Teeth of Possessive Individualism: Whose Land Is It?" This event is free and open to the public. Reception following the lecture. Register at: <http://www.apec.umn.edu/rauplecture07.html> For questions contact: Elaine Reber (612-625-8713) or ereber@umn.edu.

Monday, March 5

APS, Dr. Nevin Young, Plant Pathology/Plant Biology Departments, University of Minnesota, "An Integrated View of Legume Genomics," 3:30 pm, 306 Borlaug Hall.

Thursday, March 8

THE NATIONAL ACADEMY OF SCIENCES LECTURESHIP SERIES, Sponsored by the Microbial and Plant Genomics Institute, "Salicylic Acid: More than Just Aspirin in Agrobacterium - Plant Interactions," presented by Eugene Nester, Ph.D., Professor of Microbiology, University of Washington, 2:00pm, Seminar Room 105, Cargill/MPG. At 3:00pm, Dr. Nester will be visiting with grad students and postdocs following his seminar, Seminar Room 105, Cargill/MPG. He will be discussing research and teaching experiences, answering questions, and providing some career insights that might be of assistance.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

MN DEPARTMENT OF AGRICULTURE, INVASIVE SPECIES UNIT

Summer Employment. The Gypsy Moth Program is currently seeking 46 qualified applicants for their gypsy moth survey program. These are temporary full-time positions. Duties include assembling, setting, monitoring and removing up to 650 cardboard detection traps within a designated route. Trappers collect data using a hand-held global positioning system (GPS) unit (training provided) and report to a lead trapper. Trappers work from home and must live in the area in which they trap. A reliable vehicle is necessary for driving trap routes. Mileage is reimbursable. DEADLINE FOR APPLICATIONS IS MARCH 2, 2007 (south) MARCH 16, 2007 (north). To apply, go to <http://www.doer.state.mn.us> Enter "gypsy moth" as the keyword for your search. Additional information: kimberly.thielen-cremers@state.mn.us

AGRI-ASSOCIATES, INC.

Agronomy Customer Service Rep, western Iowa. Bachelor's degree from 4-year college or university; or 3-4 years related experience and/or training. [http://](http://www.agriassociates.com)

www.agriassociates.com

Agronomy Gleanings, March 7, 2007

3/7/2007 8:00 AM

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WEB <http://agronomy.coafes.umn.edu/>
March 7, 2007

ANNOUNCEMENTS

SYNGENTA DEPARTMENTAL COFFEE, Wednesday, March 28, 306 Borlaug Hall,
9:30 a.m. Sponsored by the Soybean Project

CROP SERVICE USERS—The threshing area in the Crop Service building has a different protocol for disposal of all waste materials and trash. There is no longer a dumpster inside the building. All organic waste (soil and plant materials) needs to be placed in the manure spreader outside the south door for recycling. Office paper and paper bags/cardboard recycling are available between Crop Service and Crop Research. Trash materials that cannot be recycled must be placed in the dumpster outside the loading dock of Crop Research. Limited numbers of garbage containers are available in the threshing area so it is the user's responsibility to dispose of trash appropriately.

GREETINGS FROM JENIPHER BISIKWA. She was blessed with a baby boy, Jonathan, last November and is back to work after a 3-month maternity leave.

CONGRATULATIONS TO BRENT HULKE, recipient of the Dr. James Watson Fellowship Program Funded by the Toro Company. These awards provide financial assistance for the future educators and researchers of the turfgrass industry. Up to four \$5,000 fellowships are awarded each year. Applicants must be candidates for master's or doctoral degrees in fields related to golf course management. Brent received the award Feb. 24 at the 2007 GCSAA Education Conference and Golf Industry Show in Anaheim, Calif.

GROW BIOINTENSIVE® Sustainable Mini-Farming with John Jeavons, April 2-3, 2007, St. Paul, MN. April 2nd, 6-8 p.m., Public talk, 306 Borlaug Hall (donation). April 3rd, 8 a.m.-5 p.m., One-Day Workshop/Demonstration, \$100.00 (pre-registration required), Minnesota State Horticultural Society, 1750 Prior Ave. N., St. Paul, MN 55113. Sponsored by MISA (Minnesota Institute for Sustainable Agriculture) and WUSA (What's Up With Sustainable Agriculture). The Workshop requires pre-reading and pre-registration. Early application is recommended. Contact Person: Cynthia Raiser Jeavons, email: cynthia2@sonic.net. Full Details and Application Forms are on: <http://www.johnjeavons.info>

SEMINARS

Wednesday, March 7

HORTICULTURAL SCIENCE, Dr. Terry Ferris, Professor, Department of Plant & Earth Science, University of Wisconsin River Falls, "The New ASHS Certified Horticulture Advisor Program," 310 Alderman Hall, 4:00 p.m.

Wednesday, March 7

BMBB, Dr. Vivian Bardwell, University of Minnesota, "The role of the BCOR corepressor complex in chromatin modifications, cancer and development," 4:00 PM, 3-120 MCB, Minneapolis Campus.

Thursday, March 8

THE NATIONAL ACADEMY OF SCIENCES LECTURESHIP SERIES, sponsored by MPGI, Dr. Eugene Nester, Professor of Microbiology, University of Washington, "Salicylic acid: More than just aspirin in Agrobacterium-plant interactions," 2:00 PM, 105 Cargill Building.

Thursday, March 8

CAREER TRACK, Ethics Outreach, Teaching, Research, Grad Student & Postdoc discussion with National Academy of Sciences member, Dr. Eugene Nester, Professor of Microbiology, University of Washington, about pros and cons of a career in academia, 3:00-3:45 PM, 105 Cargill Building for Microbial and Plant Genomics.

Friday, March 9

APPLIED PLANT SCIENCES, Ph.D. Defense Seminar, Jennifer Jacobs, Ph.D. candidate in Applied Plant Science, "Colicinogenic maize: Transgenic analysis and effectiveness against pathogenic E. coli O157:H7," 1:00 p.m., 105 Cargill Building.

Monday, March 12

APS, Jennifer Flynn, "In Vitro Plant Cultures for Production of Secondary Metabolites," 3:30 PM, 306 Borlaug Hall.

Tuesday, March 20

MPGI, TRANSPORT PROCESSES IN PLANTS AND MICROBES, Dr. Julian Schroeder, U of California, San Diego, Cell & Development Biology, "Guard cell and ion channel signaling: CO₂, abscisic acid, and calcium specificity transduction mechanisms," 3:30 PM, 335 Borlaug Hall.

POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

RURAL ADVANTAGE & THE UNIVERSITY OF MINNESOTA EXTENSION SERVICE
Conservation Agronomist, Fairmont, MN. Bachelor's degree required; Master's degree preferred. Closing date: March 9, 2007 or until filled. Position description at:
<http://www.ruraladvantage.org>

MINNESOTA CROP IMPROVEMENT ASSOCIATION (MCIA)

Technical Services Specialist for organic program. Responsibilities include performing inspections in support of MCIA certification and quality assurance programs and providing technical support to ensure continuing MCIA compliance with National Organic Program requirements. The position reports to the Field Services Manager. Contact Organic Program Manager Cindy Wippler or CEO Gary Beil at 612-625-7766 for more info.

USDA, ARS

Research Soil Scientist/Research Agronomist/ Research Chemist, St. Paul, MN. PhD or equivalent doctoral degree (see job description for details). Closing date: April 15, 2007. Job # ARS-X7W-0140.

KANSAS STATE UNIVERSITY

Assistant Scientist in Soil Testing, Department of Agronomy, Manhattan, KS. B.S. in Agronomy or related discipline with at least two semesters of college chemistry. Closing date: April 1, 2007 or until filled.

KANSAS STATE UNIVERSITY

Full-time Graduate Research Assistant in Soil Fertility/Nutrient Management, Department of Agronomy, Manhattan, KS. B.S. degree in Agronomy, or related discipline with experience in soil fertility/crop production research. Closing date: April 1, 2007 or until filled.

NORTH DAKOTA STATE UNIVERSITY

Research Specialist, North Central Research Extension Center, Minot, ND. B.S. degree in an agricultural discipline. <http://www.ndsu.edu/ndsu/jobs/broadbanded/index.shtml>

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April 17, 2007

ANNOUNCEMENTS

BEAUTIFUL U DAY, Campus Cleanup, Thursday, April 19.

BEAUTIFUL U PROJECT. The University of Minnesota will break ground for a project to improve the gateway to the St. Paul Campus at 11 a.m. Wednesday, April 18. The project is part of the Beautiful U initiative and will add landscaping and plantings to the southeast corner of Larpenteur and Cleveland Avenues. Students in the landscape design program in the University's Department of Horticultural Science developed a plan as a class project and will work with students from the Cornercopia Student Organic Farm to implement the design.

THANK YOU NOTE. To our friends in the Department of Agronomy and Plant Genetics: Thank you so very much for the contribution to the library fund in memory of our mother. She wanted all to have access to books and cherished her education. We appreciate your kindness and support. The family of Mrs. Wm. S. (Margaret) Marvin

RETIREMENT CELEBRATION FOR GENE ALLEN, Thursday, May 17, 3:30-6:00 p.m., at the McNamara Alumni Center's Memorial Hall. Join in to celebrate C. Eugene (Gene) Allen's forty years of service to the University of Minnesota. As Gene prepares to retire we wish to thank him for his dedication and leadership, and reflect upon his accomplishments and contributions to the University and to people around the state and world. The program will begin at 4:00 p.m. The U of M McNamara Alumni Center is located at 200 Oak Street SE, Minneapolis. Please RSVP to schla025@umn.edu

OPEN HOUSE. The Digital Media Center grand opening will be held Thursday, April 26, 10:00 a.m. to 3:00 p.m., 69 McNeal Hall, St. Paul Campus. The DMC Studio will be a gathering place for faculty to cultivate learning with technologies.

TOASTMASTERS. Is it time to build your speaking skills? Find out if Toastmasters is right for you. Dialoggers Toastmasters meets every Thursday, 11:35-12:30, Northern Research Station, 1992 Folwell Ave. For more information: <http://dialoggers.freetoasthost.us/> Visitors are always welcome.

TOWARD A GLOBAL FOOD AND AGRICULTURAL POLICY FOR AN OPEN INTERNATIONAL ECONOMY, a symposium to honor Regents Professor Emeritus G. Edward Schuh, May 2-3, 2007, Cowles Auditorium, Humphrey Center, 301 19th Avenue South, Minneapolis. For details and to register, go online at: http://www.hhh.umn.edu/schuh_symposium

SEMINARS

Tuesday, April 17

James P. Houck Lecture, Dr. Michael V. Martin, President of New Mexico State University, "A Houckian's Perspective on Several Contemporary Issues," 3:00 p.m., Cargill Building.

Tuesday, April 17

2007 Kolshorn Lecture, Dr. Anthony Sinclair, University of British Columbia, "Understanding Ecosystems for Conservation of Biodiversity: Lessons from the Serengeti," 4-5 PM, 110 Green Hall. (Social hour/cookies/coffee 3:30-4:00). Dr. Sinclair is a world renowned expert on ecology and conservation in Africa. See his website <http://www.zoology.ubc.ca/zoology/z/sinclair/> for more information.

Tuesday, April 17

Plant Biological Sciences, Dr. Stephan Wright, York University – Toronto, "Signatures of demographic history and selection in plant genomes," 3:30 p.m., 335 Borlaug Hall.

Wednesday, April 18

BMBB, Dr. Judith Levin, National Institutes of Health, "Key Players on the Opposing Teams: Contrasting Effects of HIV-1 Nucleocapsid Protein and Human APOBEC3G on HIV-1 Replication," 4:00 p.m., 3-120 MCB.

Thursday, April 19

Animal Science and Food Science and Nutrition, Candidate for Nutritional Metabolomics position, Shiming Li, PhD, "Identification and bioactivity of polymethoxyflavone metabolites," 10:00 a.m., 365 Haecker Hall.

Thursday, April 19

BMBB, Dr. Daniel Lessner, The Pennsylvania State University, BMBB and BTI Faculty Candidate, "The stressful life of a methanogen: CO₂-dependent growth and oxidative stress response of *Methanosarcina acetivorans*," 2:00 p.m., 105 Cargill. Chalk Talk, Friday, April 20, 9:00 a.m., 342 Gortner.

Thursday, April 19

MPGI, Dr. Dianne Newman, California Institute of Technology, Division of Geological and Planetary Sciences and Division of Biology, "Physiological roles for redox active 'antibiotics,'" 3:30 PM, 105 Cargill/MPG.

Monday, April 23

APS, Patricio Mayor, "Increasing Genetic Gain in Maize with Doubled Haploids and Marker Assisted Recurrent Selection," 3:30 p.m., 306 Borlaug Hall.

Tuesday, April 24

NAS, Roy Curtiss, III, PhD, Professor in the School of Life Sciences, Director of the Center for Infectious Diseases and Vaccinology, Biodesign Institute, Arizona State University, "Genetic Design and Manipulation of Salmonella for Delivery of Protective Antigens to Immunized Animal and Human Hosts," 2:00 p.m., 105 Cargill Building.

Wednesday, April 25

Master's Thesis Defense, Kari Eichstaedt, APS graduate student, "Biological Control of Canada Thistle with *Pseudomonas syringae* pv. *tagetis* in Perennial Systems," 10:00 a.m., 105 Cargill.

Wednesday, April 25

Horticultural Science, The Kermit A. Olson Memorial Lecture, Dr. Thomasz Anisko, Curator of Plants at Longwood Gardens in Kennett Square, Pennsylvania, "Plant Exploration: Lessons Learned," 4:00 p.m., 110 Green Hall.

POSITION ANNOUNCEMENTS (Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY

Graduate Research Assistant, Cropping Systems and 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: May 2007.

KANSAS STATE UNIVERSITY

Graduate Research/Extension Assistant, Cropping Systems, Southwest Research-Extension Center and Department of Agronomy, Garden City and Manhattan, KS. Date available: May 2007.

STAHLBUSH ISLAND FARMS, INC.

FARMERS MARKET FOODS

Organic Farm Manager for 1000 organic acres located in Medford, Oregon. Satellite farm to main location in Corvallis, Oregon. Must have 5-7 years experience, 4-year degree in Horticulture, Agronomy, Crop science, AG Business or closely related field, or 10 years of hands on organic farming experience.

<http://www.stahlbush.com>

<http://www.farmersmarketfoods.com>

FOOD ALLIANCE MIDWEST

Assistant Program Manager, Land Stewardship Project (LSP), White Bear Lake, and Cooperative Development Services (CDS), St. Paul. Undergraduate or higher degree in marketing, communications, agriculture, or relevant field. Closing date: April 20, 2007

Agronomy Gleanings, April 25, 2007

4/25/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.coafes.umn.edu/>
April 24, 2007

ANNOUNCEMENTS

APRIL SYNGENTA DEPARTMENTAL COFFEE, Thursday, April 26, 9:00-10:00 a.m.
(note earlier time), 306 Borlaug Hall. Hosted by the Gopher Crops and Soils Club.

SHAPE-UP CHALLENGE. Week 2 drawing winners are Marilyn Swanson and Ted Jeo. Marilyn has put up a Shape-Up Challenge bulletin board in the third floor hallway of Hayes Hall. Each Shape-Up Challenge participant will receive a bottle of Sport suntan lotion and a specially designed Frisbee for participating.

CONGRATULATIONS to the Forageurs who were Champions of the St. Paul Campus Faculty/ Staff Bowling League this year. They won the first half and second halves with records of 44-19 and 45-18. Team members are primarily past and present employees of the Agronomy Department or their spouses. The Forageurs are: Joan Matteson, Mark Matteson, Donn Vellekson, Eric Ristau, Mike Durgan, Keith Henjum and Sarah Greening. Joan led the team and the league with Women's High Average-145, High Game-214, High Series-532. Mark and Mike shared 2nd for Men's High game-242 and Mark had the Men's High series-650. The league is always looking for more teams. If interested, contact Keith Henjum.

POSTAGE INCREASE. On May 14, the price of a 1st class, 1 ounce letter will change from \$.39 to \$.41, but this change is not the most important impact of the increase. The US Postal Service has increased the rates for flats (non-letters) more than 38%, and a new category called "Parcels" will increase by more than 106% over the old flat category. "Parcels" includes any large envelope or package that exceeds 3/4 inch in thickness or is too rigid to move through postal automated equipment.

THE ALFALFA BREEDING PROJECT has hired a MAST student, Attila Farkas, from Hungary who is looking for housing near campus. He needs housing now until mid October. If you know of any available housing, please contact Keith Henjum at 5-4291 or henju002@umn.edu .

IVORY TOWER LAUNCH PARTY, April 27, 6:00-8:00 p.m., Weisman Art Museum-Dolly Fiterman Riverview Gallery. Come celebrate the release of the 2007 issue of Ivory Tower, The Undergraduate Art and Literary Magazine of the University of Minnesota.

Details: <http://www.ivorytower.umn.edu>

SEMINARS

Wednesday, April 25

The Kermit A. Olson Memorial Lecture, Dr. Thomasz Anisko, Curator of Plants at Longwood Gardens in Kennett Square, Pennsylvania, "Plant Exploration: Lessons Learned," 4:00 p.m., 110 Green Hall.

Wednesday, April 25

APPLIED PLANT SCIENCES, Master's Thesis Defense, Kari Eichstaedt, APS graduate student, "Biological Control of Canada Thistle with *Pseudomonas syringae* pv. *tagetis* in Perennial Systems," 10:00 a.m., 105 Cargill Building.

Wednesday, April 25

BMBB, "Nuclear Receptor Regulation of the Fed State," Dr. David Mangelsdorf, University of Texas Southwestern Medical Center, Dallas, TX, 4:00pm, 3-120 MCB, Minneapolis Campus.

Thursday, April 26

BIOTECHNOLOGY INSTITUTE, Stefan Lutz, Emory University, "Engineering enzymes —new tricks for tailoring a biocatalyst's selectivity and specificity," 3:30 p.m., 239 Gortner Lab.

Friday, April 27

HORTICULTURAL SCIENCE, Bruce A. McClure, University of Missouri, "A new model for S-RNase-based self-incompatibility," 2:30 p.m., 310 Alderman Hall.

Monday, April 30

PHILLIP C. HAMM MEMORIAL LECTURE, "Steroid Signaling in Plants: The First Decade," Awards: 2:30; Lecture: 3:00 p.m., Reception: 4:00 p.m., 105 Cargill Building.

Monday, April 30

APS, Toi Tsilo, "Molecular Mapping of Wheat End-Use Quality Requirements," 3:30 p.m., 306 Borlaug Hall.

Tuesday, May 1

CFANS and MISA present, "Community-Based Food Systems: Linking Sustainable Agriculture, Public Health and Economic Development," Michael Hamm, C. S. Mott Professor of Sustainable Agriculture at Michigan State University and Head of the C.S. Mott Group for Sustainable Food Systems at MSU, 3:30 - 4:30 PM, 306 Borlaug Hall. Refreshments to follow.

Wednesday, May 2

9TH BOLLUM SYMPOSIUM, BMBB, "Regulating Biological Function by Ubiquitination,"

1:00 – 5:00 p.m., The Coffman Theater, Coffman Memorial Union, Minneapolis Campus.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

PARTNERS ADVANTAGE

Great career opportunities. Partners Advantage includes: Agrilience, Croplan Genetics, CHS Country Operations, and Land O'Lakes Purina Feed. For current job postings: <http://www.partnersadvantage.net/>

Agronomy Gleanings, June 12, 2007

6/12/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
June 12, 2007

ANNOUNCEMENTS

THANK YOU for your support during this most difficult time for our family. The flowers and your many expressions of support helped us get through these early days. It's comforting to know that friends, in a way, are family too. ~ Larry Smith

SUMMER FIELD DAYS

- Tuesday, June 19
Agronomy Field Tour, 8 a.m. to 1 p.m., SROC-Waseca
- Wednesday, July 11
Crop & Soils Day, NWROC-Crookston
- Thursday, July 12
Summer Field Day, SWROC-Lamberton
- Friday, July 13
Summer Center Day, 7:30-12 noon, WCROC-Morris

ROOMMATE WANTED to share a two-bedroom apartment with a visiting professor from Brazil. (Half rent is \$350.) Apartment is located on Larpenteur Avenue so within walking distance of the St. Paul Campus. If interested, please contact Seth Naeve at naeve002@umn.edu

SEMINARS

Friday, June 15

APS Thesis Defense, "Antioxidant and antimicrobial activity of native and naturalized plants of the Mississippi River Basin," Joy Borchardt, APS Graduate Student, 10:00 a.m., 306 Borlaug Hall. Advisors: Sheaffer/Wyse.

Friday, June 22

Special Seminar. "On-Farm Biodiesel Production from Canola," Dr. Paul Porter, Professor and Cropping Systems Agronomist, Department of Agronomy and Plant Genetics, 10:00-11:00 am, 335 Borlaug Hall. Demonstration at Wannaska, MN on Wednesday, June 27 at 8:00 a.m. Co-sponsored by NWRSDP, MDA-SADGP, CERTS, and MISA

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF WISCONSIN-PLATTEVILLE

Assistant scientist. PhD in Soil Science or related field with emphasis in nutrient management. Closing date: July 1, 2007

UNIVERSITY OF WISCONSIN-PLATTEVILLE

Assistant Professor in Crop Science. Completed doctorate by January 1, 2008 in agronomy, crop science, plant science or a closely related field with familiarity of Midwest USA agriculture. Closing date: August 15, 2007.

SOUTH DAKOTA

M.S. Research Assistantship, Plant Science Department, Brookings. Weed Science with an emphasis in plant genomics and weed competition. Fall 2007.

KANSAS STATE UNIVERSITY

Graduate Research/Teaching Assistant, Agronomy Learning Farm (crops, weeds, soils), Department of Agronomy, Manhattan, KS. B.S. or M.S. degree in Agronomy, Plant Science, Soil Science or related discipline. Date available: July 2007 or until a suitable candidate is identified.

Agronomy Gleanings, July 10, 2007

7/10/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
July 10, 2007

ANNOUNCEMENTS

BIRTH ANNOUNCEMENT. Lissa and Wil are the proud parents of Graham Pawlisch Bailey, born Saturday, June 30th at 10:14 a.m. Graham was 8 pounds and 21 inches long, and both he and his mom are doing great!

TO OUR AGRONOMY FRIENDS: Thanks so much for being a part of our retirement party. It was an impressive show of support from our "Agronomy Family." We and our children and grandchildren will remember and cherish the day for a long time. ~ Dale and Claudia Hicks

ICE CREAM SOCIAL, Wednesday, July 11, 2:00 pm, Horticultural Display and Trial Garden, corner of Folwell and Gortner. The Department of Horticultural Science invites everyone in CFANS to an Ice Cream Social to celebrate achievements of our faculty in 2007:

- Dr. Mary Meyer, American Society of Horticultural Science (ASHS), Outstanding Extension Educator;
- Dr. Emily Hoover, ASHS Fellow;
- Dr. James Luby and David Bedford, ASHS Fruit Variety of the year;
- Dr. Susan Galatowitsch, Fesler-Lampert Chair in Urban and Regional Affairs

AGRICULTURE OPEN HOUSE, Thursday, July 19, 4-7:30 p.m., Gortner and Folwell Avenue, St. Paul Campus. <http://www.cfans.umn.edu/openhouse>

FARMERS MARKET, Wednesdays, 11 a.m. to 2 p.m., opens July 11, Church Street, Minneapolis Campus. <http://www.farmersmarket.umn.edu>

YOU ARE INVITED TO A DOUBLE RETIREMENT PARTY for Muriel Mapes and Joyce DeBoe on Thursday, July 26, 125 Coffey Hall, 2:30-4:30 p.m. For questions or to contribute to gifts: Karen Lilley 4-3707 or Gail Tischler 5-3141.

AN ENVIRONMENTAL CONFERENCE AT THE UNIVERSITY OF MINNESOTA, "Biofuel Production and Wildlife Protection: Discovering the Best Management Practices for the Great Plains," Thursday, July 19, 8:30 a.m.-4:30 p.m., 105 Cargill/MPG Building. Registration: <http://www.cedar creek.umn.edu/bioenergy/wildlife2007.html>

SEMINARS

Friday, July 13

Applied Plant Sciences, M.S. Thesis Defense, "Characterization of Two Low Tillering Barley Mutants, absent lower laterals (als) and low number of tillers (Int)," Tim Dabbert, 11:00 am, 306 Borlaug Hall. Advised by: Gary Muehlbauer

Thursday, July 19

Applied Plant Sciences, Ph.D. Defense, Penny Kianian, Title: TBA, 10:00 a.m., 306 Borlaug Hall. Advised by: Ron Phillips

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF MINNESOTA

Postdoctoral Molecular Biologist (Plants) position is available in the USDA-ARS Plant Science Research Unit, University of Minnesota, St. Paul Campus. Research focus is on the molecular biology of cell wall synthesis in Medicago. Ph.D. in plant molecular biology or closely related field required. If interested, please visit the following website for complete information on the position, eligibility and application procedures: <http://www.afm.ars.usda.gov/divisions/hrd/hrdhomepage/vacancy/pd962.html> Position announcement number: RA-07-066L. USDA-ARS is an Equal Opportunity employer and provider.

UNIVERSITY OF ARKANSAS

Assistant/Associate Professor of Agronomy, Southeast Research and Extension Center, Monticello, Arkansas. PhD in Agronomy or closely related field. Closing date: Open until filled.

NEW MEXICO STATE UNIVERSITY

Toxicologist, Department of Chemistry and Biochemistry, Las Cruces, NM. Ph.D. and postdoctoral experience in Toxicology, Biochemistry, Chemistry, Pharmacology or related areas. Closing date: July 16, 2007 or until filled.

NORTH DAKOTA STATE UNIVERSITY

Extension Agronomist, Sugarbeet, Weed Science, Department of Plant Sciences, Fargo, ND. Ph.D. in weed science or crop science. Closing date: August 31, 2007 or until filled.

Agronomy Gleanings, July 24, 2007

7/24/2007 8:00 AM

AGRONOMY GLEANINGS

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411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>

July 24, 2007

ANNOUNCEMENTS

AGRONOMY ANNUAL CORN FEED, Thursday, August 2, 12 noon, 306 Borlaug Hall. Cost is \$3.00. Hotdogs, cucumbers, tomatoes, lemonade, and all the corn you can eat. Please pass the word to all AGRONOMY PERSONNEL.

CONGRATULATIONS TO CARROLL VANCE who has been selected to receive the 2007 Monsanto Crop Science Distinguished Career Award. Carroll will be recognized at an Awards Program on Tuesday, Nov. 6, during the Crop Science Society of America annual meetings in New Orleans.

GREENHOUSE SPACE REQUESTS: This is a reminder to get your space requests in, if you want to ensure you have space for the upcoming year. The link gets you to the on-line request form: <http://greenhouses.cfans.umn.edu/>

RETIREMENT PARTY for Muriel Mapes and Joyce DeBoe on Thursday, July 26, 125 Coffey Hall, 2:30-4:30 p.m. For questions or to contribute to gifts: Karen Lilley 4-3707 or Gail Tischler 5-3141.

NORMAN BORLAUG WAS PRESENTED THE CONGRESSIONAL GOLD MEDAL. CFANS alumnus and Nobel Peace Prize Laureate Borlaug was awarded the Congressional Gold Medal, the nation's highest civilian honor, at a ceremony in the U.S. Capitol Rotunda on July 17. The award was presented by President Bush and House Speaker Nancy Pelosi; an original gold medal was created by the U.S. Mint to commemorate the honor. The Congressional Gold Medal is Congress' highest expression of national appreciation for distinguished achievements and contributions. Ron Phillips was an invited guest at this memorable event.

A NEW BOOK, "Managing Agricultural Landscapes for Environmental Quality," examines the environmental impact of agricultural practices at the watershed and landscape scales. The book, published by the Soil and Water Conservation Society, brings together the multidisciplinary expertise of individuals in the technical and scientific communities who are working to quantify the environmental benefits of conservation practices on agricultural land at landscape and watershed scales. The new book follows the release of a companion book, Environmental Benefits of Conservation on Cropland, earlier this year. That book documents the current status of knowledge

regarding the effect of agricultural conservation practices on environmental quality. The two books work as a companion set. "The first is a comprehensive literature review of current practices at the farm scale," said Max Schnepf, co-editor of both books. "The new book provides a framework for the advances in research, practice, and policy we need to make environmental improvements at larger scales." The books can be purchased individually or as a set at the Soil and Water Conservation Society online store: <http://store.swcs.org>.

HORTICULTURE NIGHT, West Central Research and Outreach Center, Thursday, July 26, 5:00 p.m. to 9:00 p.m.

SOLUTION-DRIVEN SCIENCE SYMPOSIUM, "Biofuels: Breaking the Barriers for Biomass Conversion—Challenges and Opportunities," Wednesday, September 19, Noon-3:30 p.m., University of Minnesota, NorthStar Ballroom, St. Paul Student Center. No RSVP required. http://www.cfans.umn.edu/Solution-Driven_Science_Symposium.html

SEMINARS

None this week.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

USDA, ARS

Temporary, full-time Plant or Weed Ecologist (Ecologist, GS-7/9), Water Management Research Unit, Fort Collins, CO. Applications accepted July 13 through August 13, 2007. <http://www.afm.ars.usda.gov/hrd/jobs/index.htm#vacancy/VAC2.HTMARS-D7W-0276>

UNIVERSITY OF NEBRASKA-LINCOLN

Extension Educator, Cropping Systems and Water Management, Pierce, Nebraska. Master's degree with one degree in Agronomy, Biological Systems Engineering or closely related field. Review of applications will begin August 15, 2007.

Agronomy Gleanings, August 7, 2007

8/7/2007 8:00 AM

AGRONOMY GLEANINGS

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WEB <http://agronomy.cfans.umn.edu/>
August 7, 2007

ANNOUNCEMENTS

BIRTH ANNOUNCEMENT. Carroll and Michele Vance are the proud grandparents of Easton Michael, born Monday, August 6, weighing 8 pounds. Easton's parents are Coleen and Sean Raboin and his big sister is Kennedy Ellen, 2 yrs old.

MESSAGE TO THE DEPARTMENT. Please accept our condolences. Our hearts are with all Minnesotans (and Americans in general) after the tragic accident of the bridge collapse over the Mississippi River. ~ Lu Borem, Brazil, former PhD student

OPEN HOUSE, UMore Park, Thursday, August 16, 4:00 - 8:00 p.m., Hwy 46 (160th St.), Rosemount, Minn. <http://www.umorepark.umn.edu>

SR. ASSOCIATE DEAN SEARCH. The final candidates for the Senior Associate Dean for U of MN Extension are:

* Monday, August 27 (details are being finalized)

Dr. John F. Preissing, Professor in Extension Community Development and Northern District Director, University of Wisconsin Extension Service

* Tuesday, August 28

Dr. William F. Wilcke, Professor and Extension Engineer in the Department of Biosystems and Agricultural Engineering, University of Minnesota

* Wednesday, August 29

Dr. Cole R Gustafson, Professor in the Department of Agribusiness and Applied Economics, North Dakota State University

* Thursday, August 30

Dr. Michael A. Schmitt, Associate Dean and Professor, College of Food, Agricultural and Natural Resources Sciences, University of Minnesota

PLANT SCIENCES SYMPOSIUM, "Translational Seed Biology: From Model Systems to Crop Improvement," September 17-20, University of California, Davis. <http://www.plantsciences.ucdavis.edu/seedsymposium2007>

SEMINARS

Monday, August 20

Applied Plant Sciences, M.S. Thesis Defense, Maria Alejandra Larriera, "Stability of Soybean Protein and Oil Concentration in the Northern U.S.," 9:00 a.m., 306 Borlaug Hall. Advisor: Jim Orf

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

USDA-ARS

Post-doc, Morris, MN. U.S. citizenship is essential for a short-term ARS post-doc. Preference is for someone with math and programming skills, but a good solid plant- or soil-type person also would be great. Position will involve analysis of previously collected data on weed germination and emergence, and soil temperature and water potential.

MANAGEMENT RECRUITERS OF SIOUX FALLS, LLP

Ag positions in Agronomy, Grain, Ethanol and Ag Equipment businesses. <http://www.agoodjob.com>

Agronomy Gleanings, August 23, 2007

8/23/2007 8:00 AM

AGRONOMY GLEANINGS

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WEB <http://agronomy.cfans.umn.edu/>
August 23, 2007

ANNOUNCEMENTS

CONGRATULATIONS AND BEST WISHES! Nancy Jo Ehlke has been appointed Head of the Department of Agronomy and Plant Genetics, effective August 20. Dr. Ehlke has served as interim head of the Department since January, 2005.

BIRTH ANNOUNCEMENT. Laura Van Riper and husband wish to announce the birth of Owen Neil Van Riper, born on Thursday, August 16, at 10:59 a.m. He weighed 8 lbs. 2.2 oz. and was 21.5 inches long. Mom and baby are home and getting settled in.

FAREWELL COFFEE for Brent Hulke, Wednesday, September 5, 9:30 a.m., 306 Borlaug Hall. Advisors: Nancy Ehlke, Eric Watkins, Don Wyse

THE GREAT MINNESOTA GET-TOGETHER. CFANS will once again have a significant presence at this year's Minnesota State Fair, which runs from Thursday, Aug. 23 through Monday, Sept. 3. Experts from the college will be on stage at both the University of Minnesota main building and at the FFA Leadership Center/Chapter House, and students and staff will be involved in everything from the Gopher Dairy Barn to the Eco-Experience. Maroon and Gold Day is Sunday, Aug. 26. Fair-goers are encouraged to wear maroon and gold and to watch the 300-member U of M Marching Band perform in the parade at 2 p.m. Goldy Gopher will be on hand every day of the Fair at the U building. Volunteers are still needed for the CFANS booths! Sign up with Honey VanderVenter or by going to <http://www.cfans.umn.edu/fairvolunteers.html>

MUSICIANS IN SOLIDARITY WITH PERU, Free Benefit Concert for Earthquake Victims in Peru, Sunday, August 26, 4:00 to 6:00 p.m., Park Avenue Church, 3400 Park Avenue South, Minneapolis, MN.

PARKING SUB-LEASE available by the month in Lot 161, south of the greenhouse off Gortner Avenue. For details contact Doug (5-7067) or Sue (5-7219) Miller.

SEMINARS

Thursday, August 23

BIOTECHNOLOGY INSTITUTE, BTI Director Candidate, Huimin Zhao, University of

Illinois at Urbana-Champaign (UIUC), "Biomolecular Engineering for Industrial Biotechnology and Bioenergy," 8:30 a.m., 105 Cargill.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

DOW AGROSCIENCES, LLC

Statistical/Quantitative Geneticist in development of new products at corporate headquarters in Indianapolis, IN. Ph.D. in Statistical/Quantitative Genetics, Statistics, or a closely related field with an emphasis on analysis of genetic information. M.S. and at least 3 years of work experience in biotechnology, plant/animal breeding or a closely related field are also encouraged to apply. Review of applications starts: August 31, 2007. Apply online: <http://www.dowagro.com/careers>

NORTH DAKOTA STATE UNIVERSITY

Research Specialist, North Central Research Extension Center, Minot, ND. B.S. or M.S. degree in agronomy. Closing date: August 27, 2007.
<http://www.ndsu.edu/ndsu/jobs/broadbanded/index.shtml>

GRASSLAND CENTRAL

Sales/Marketing to procure and increase seed sales of forages, turf products, native grasses, wildflowers and Farmscape (Wildlife) products, Jordan, MN.

Agronomy Gleanings, August 31, 2007

8/31/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
August 31, 2007

ANNOUNCEMENTS

LABOR DAY HOLIDAY, Monday, September 3. University offices will be closed.

FALL SEMESTER CLASSES begin Tuesday, September 4th.

FAREWELL COFFEE for Brent Hulke, Wednesday, September 5, 9:30 a.m., 306 Borlaug Hall. Advisors: Nancy Ehlke, Eric Watkins, Don Wyse

CONGRATULATIONS! Paul Porter participated in the Ironman race in Louisville, Kentucky on Sunday, August 26, and came in 4th in his age group. The race included a 2.4 mile swim in the Ohio River, a 112 mile bike course, and 26.2 mile run. <http://ironman.com/events/ironman/louisville>

SYNGENTA DEPARTMENTAL COFFEES. Please contact Jean Swanson (swans008@umn.edu) to volunteer to host a coffee. The coffees run from September through May of 2008.

PARKING AND TRANSPORTATION SERVICES, Metropass cost reduced to \$45 per month, beginning September 1: <http://www1.umn.edu/pts/busing.htm>

CENTENNIAL CELEBRATION, The Department of Plant Pathology's 100th Birthday Party, September 18-21, 2007. Watch for details: <http://plpa.cfans.umn.edu/>

AG GENOMIC CONFERENCE, "Convergence of Genomics and the Land Grant Mission: Emerging Trends in the Application of Genomics in Agricultural Research," Purdue University, West Lafayette, Indiana, September 10-12. Conference website: <http://www.entm.purdue.edu/conference>

SOLUTION-DRIVEN SCIENCE SYMPOSIUM, sponsored by CFANS, "Biofuels: Breaking the Barriers for Biomass Conversion - Challenges and Opportunities," Wednesday, September 19, Symposium and Poster Session, 12:00 - 5:00 p.m., Northstar Ballroom, St. Paul Student Center. Register online at http://www.cfans.umn.edu/Solution-Driven_Science_Symposium.html

2007 PLANT SCIENCE SYMPOSIUM, University of Nebraska-Lincoln, October 5,
Embassy Suites, Lincoln, Nebraska.

SEMINARS

Wednesday, September 5

BMBB, "DNA Deamination in Adaptive and Innate Immunity," Dr. Reuben Harris,
University of Minnesota, 4:00 p.m., 2-137 Jackson Hall, Minneapolis Campus.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

PURDUE UNIVERSITY

Assistant/Associate Professor, Soybean Extension Specialist, Department of Agronomy,
West Lafayette, Indiana. Ph.D. degree in Crop Science, Agronomy or related sciences.
Application screening begins: October 1, 2007

Agronomy Gleanings, September 13, 2007

9/13/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
September 13, 2007

ANNOUNCEMENTS

SIXTH ANNUAL OPEN HOUSE at the Southern Research and Outreach Center-Waseca, "Agriculture for the 21st Century: Growing a Healthier World," Thursday, September 13, 4:00-8:00 p.m. <http://sroc.cfans.umn.edu/>

PLANT PATHOLOGY CENTENNIAL CELEBRATION schedule of events at department website: <http://www.plpa.cfans.umn.edu>.

PLANT PATHOLOGY RECEPTION. To register for the special reception on September 20th honoring Sir Bent Skovmand and Nobel Peace Prize Laureate Norman Borlaug, please RSVP by September 17 at <http://www.cfans.umn.edu/borlaugrsvp>

BABY NEWS from Shahryar and Penny Kianian and big brother, Cyrus. A baby girl, Daria June, finally arrived on Friday, September 7th at 4:37 p.m., weighing 8.0 pounds and 20.0 inches long. Pictures in the Main Office.

MARRIAGE. Robert Jones and Lynn Bakeerah Hassan were married Saturday, September 8 at the McNamara Alumni Center, University of Minnesota. Dr. Hassan is the Diagnostic Radiologist and Medical Director of the Phoenix Diagnostic Imaging Center in Scottsdale, AZ, and Dr. Jones is the Senior Vice President for System Academic Administration and a professor of Agronomy and Plant Genetics at the University of Minnesota.

SYNGENTA DEPARTMENTAL COFFEE hosted by the Main Office Staff, Wednesday, September 26, 9:30 a.m., 306 Borlaug Hall.

U OF M SOCCER, Faculty and Staff Day. Free Admission! (Show your U card) Friends and Family tickets only \$3 each. Sunday, September 16, 1:00 PM. Minnesota vs. Montana. Elizabeth Lyle Robbie Stadium (located at Larpenteur & Cleveland).

Wednesday, September 19

SOLUTION-DRIVEN SCIENCE SYMPOSIUM, "Biofuels: Breaking the Barriers for Biomass Conversion--Challenges and Opportunities," 12:00-5:00 p.m., North Star Ballroom, St. Paul Student Center. http://www.cfans.umn.edu/Solution-Driven_Science_Symposium.html

2007 ASA-CSSA-SSSA International Annual Meetings, November 4-8, New Orleans, LA. Register by September 24 and save! Special student rates. Details: <http://www.acsmeetings.org>

15TH ANNUAL KUEHNAST LECTURE will be held on Thursday, October 18, at 3:30 p.m., in 335 Borlaug Hall, St. Paul Campus. Lecture title: "Divine Wind: The History and Science of Hurricanes," presented by Dr. Kerry Emanuel, Massachusetts Institute of Technology. Details: http://climate.umn.edu/doc/journal/kuehnast_lecture/

E3 2007, The Midwest's Premiere Energy, Economic, and Environmental Conference, November 27, University of Minnesota Twin Cities Campus: <http://www.iree.umn.edu/e3>

ST. PAUL CAMPUS CAREER CENTER Fall 2007: <http://www.stpaulcareers.umn.edu>

CALL FOR PRE-PROPOSALS. The Minnesota Wheat Research and Promotion Council's Small Grains Research and Communications Committee (SGR&CC) is accepting pre-proposals for 2008, due on or before November 12, 2007. More information is available in the main office.

SEMINARS

Tuesday, September 18

PLANT BIOLOGICAL SCIENCES, Dr. Zhen-Ming Pei, Duke University, Department of Biology, "Cytosolic Calcium Oscillations and Flowering," 3:30 PM, 335 Borlaug Hall.

Wednesday, September 19

BMBB, Dr. Anja-Katrin Bielinsky, "DNA Replication and Genome Maintenance in Eukaryotic Cells," 4:00 p.m., 2-137 Jackson Hall.

Monday, September 24

APS & AGRO/HORT 8270, Keith Warner, Santa Clara University, "Sustainability Ethics in Scientific and Religious Institutions, and Their Implications for Policy and Society," 3:30 PM, 306 Borlaug Hall.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

USDA, ARS

Research Agronomist, Northern Great Plains Research Laboratory, Mandan, ND. For details and application directions, see announcement ARS-X7W-0360 at <http://www.afm.ars.usda.gov/divisions/hrd/index.html>

KANSAS STATE UNIVERSITY

Research Associate, Department of Agronomy, Manhattan, KS. Ph.D. in Plant Biology, Plant Breeding, Genetics, or related fields. Screening of applicants will begin September 14, 2007.

NORTH DAKOTA STATE UNIVERSITY

Animal Scientist, Central Grasslands R/E Center, Streeter, ND. Ph.D. in animal science or closely related field. Screening date: October 15, 2007.

KANSAS STATE UNIVERSITY

Open rank faculty (assistant, associate, or full professor), Sorghum Breeding, Department of Agronomy, Throckmorton Plant Sciences Center, Manhattan, KS. Ph.D. in Agronomy, Genetics, Plant Breeding or related field, with a strong background in applied plant breeding. Closing date: November 13, 2007

SAMUEL ROBERTS NOBLE FOUNDATION

Jobs available in Agricultural, Plant Biology and Forage Improvement Divisions.
<http://www.noble.org>

Agronomy Gleanings, September 19, 2007

9/19/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
September 19, 2007

ANNOUNCEMENTS

CELEBRATE SUPER FANTASTIC WEEK at the St. Paul Student Center, September 17 to 21. Details: <http://www.spssc.umn.edu/superfantastic>

NORMAN BORLAUG FOOD AND FUND DRIVE, September 18-21. Drop off location: 411 Borlaug Hall. Sponsored by the CFANS Student Board. Collected food and funds will be donated to the Second Harvest Heartland Food Bank. More information: <http://www.cfans.umn.edu/Borlaug>

UNIVERSITY OF MINNESOTA STORES, Annual Fall Open House, Wednesday, September 19, Radisson University Hotel, 615 Washington Avenue SE, 10:00 am - 2:00 pm. Come visit with over 50 vendors and University Departments. Free Lunch.

Wednesday, September 19

SOLUTION-DRIVEN SCIENCE SYMPOSIUM, "Biofuels: Breaking the Barriers for Biomass Conversion--Challenges and Opportunities," 12:00-5:00 p.m., North Star Ballroom, St. Paul Student Center. http://www.cfans.umn.edu/Solution-Driven_Science_Symposium.html

SYNGENTA DEPARTMENTAL COFFEE, Wednesday, September 26th, 9:30 a.m., 306 Borlaug Hall. Come celebrate a new school year! Hosted by Office Staff. Please contact Jean Swanson (swans008@umn.edu) to volunteer to host a coffee. The coffees run from September through May of 2008.

THE FOOD INDUSTRY CENTER at the University of Minnesota will present a symposium, "The Future and Practice of Healthy Foods," 8:00 a.m. - 5:00 p.m., October 1, 2007, Holiday Inn Metrodome, 1500 Washington Avenue South, Minneapolis (West Bank of UMN Campus). To register, visit: <http://foodindustrycenter.umn.edu/Events>

GOPHER QUICK CLINIC NOW OPEN. Gopher Quick Clinic is a high-quality, yet fast and affordable new option for health care at Boynton Health Service. See a board-certified Physician Assistant trained to diagnose, treat, and write prescriptions for certain minor illnesses. No appointment necessary. Visits last 10-15 minutes. Gopher Quick Clinic is no additional cost for most students after the bill has been processed by

their insurance carrier, and just a \$5 co-pay for staff and faculty enrolled in any UPlan medical plan option even if Boynton is not your Primary Care Clinic. Open 9:00 am to 1:00 pm and 2:00 pm to 5:00 pm, Monday through Friday. For more information: <http://www.bhs.umn.edu>

SEMINARS

Wednesday, September 19

Department of Ecology, Evolution, and Behavior, "The Mathematics of Climate Change" seminar sessions by Richard McGehee and Clarence Lehman. Organizational meeting at 11:15 a.m., 570 Vincent Hall, Minneapolis Campus. Everyone is invited to attend. Students may register for credit.

Wednesday, September 19

BMBB, "DNA Replication and Genome Maintenance in Eukaryotic Cells," Dr. Anja Bielinsky, University of Minnesota, 4:00 PM, 2-137 Jackson Hall, Minneapolis Campus.

Monday, September 24

APPLIED PLANT SCIENCES & AGRO/HORT 8270, Keith Warner, Santa Clara University, "Sustainability Ethics in Scientific and Religious Institutions, and their Implications for Policy and Society," 3:30 p.m., 306 Borlaug Hall.

Tuesday, September 25

PLANT BIOLOGICAL SCIENCES, Dr. Michael Sadowsky, U of M, Soil, Water & Climate, "A New Paradigm for the Nodulation of Legumes by Bradyrhizobium," 3:30 p.m., 335 Borlaug Hall.

Wednesday, September 26

APPLIED PLANT SCIENCES, Master's Thesis Defense, "Genomewide Selection in Oil Palm: Increasing Selection Gain per Unit Time and Cost with Small Populations," Choo Kien Wong, 1:00 p.m., 105 Cargill Building. Advisor: Rex Bernardo

Wednesday, September 26

BMBB, The Stanley Dagley Lectureship, Dr. Gregory Petsko, Gyula and Katica Tauber Professor of Biochemistry, Brandeis University, "Structural Enzymology in Four Dimensions: Time-Resolved Crystal Structures of Enzymes at Work," 4:00 pm, 105 Cargill, St. Paul Campus.

Thursday, September 27

BMBB, The Stanley Dagley Lectureship, Dr. Gregory Petsko, Gyula and Katica Tauber Professor of Biochemistry, Brandeis University, "The Next Epidemic: What Happens to Your Brain as You Get Older and What We're Trying to Do About It," 4:00 pm, 105 Cargill, St. Paul Campus.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF MINNESOTA, MORRIS

Part-time, one-semester position teaching an undergraduate classical genetics course with labs beginning January 22, 2008. Master's degree in genetics or a related field and a minimum of one year teaching experience. Applications accepted until position is filled.

Agronomy Gleanings, September 28, 2007

9/28/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
September 28, 2007

ANNOUNCEMENTS

FAREWELL COFFEE for Penny Kianian, Friday, September 28, 408 Hayes Hall, 9:30 am.

BARLEY CAP UPDATE NEWSLETTER, September 2007. The Barley Coordinated Agricultural Project (CAP), funded by the National Research Initiative (NRI) of the USDA Cooperative State Research, Education and Extension Service (CSREES), involves government and public- and private-sector laboratories. The project links laboratory and field research with education and outreach. It uses modern tools of genomics to facilitate classical plant breeding efforts to develop superior barley varieties. Barley Cap website: <http://www.barleycap.org> (for the Newsletter, click 'News').

GIANT PUMPKIN DOCUMENTARY. Bill Nagel, a graduate of the UofM and an independent filmmaker, recently completed a documentary entitled BILL'S BIG PUMPKINS about a Minnesota man who attempts to break the state pumpkin record of 1083.5 lbs. There will be a special screening the weekend of October 12th at the Oak Street Cinema. For more information, you can go to <http://www.billsbigpumpkins.com>

PARKING Sub-lease available by the month in Lot SC161, south of the greenhouse at Gortner and Dudley Avenue. For details contact Phil Schaus at 5-9263.

SEMINARS

Friday, September 28

SPECIAL SEMINAR, Dr. Samuel Yang, Texas A&M University, College Station, TX, "Functional Genomics of Fiber Development in Cotton and Wood Formation in Pine," 10:00 am, 306 Borlaug Hall. Dr. Yang is a candidate for an alfalfa genomics postdoctoral position.

Monday, October 1

INSTITUTE ON THE ENVIRONMENT, "Saving the Planet ... One Campus at a Time," 11:45 a.m. to 1:00 p.m., Cargill Building for Microbial and Plant Genomics (Room 105), St. Paul campus. Web site: <http://www.environment.umn.edu/events/roundtables.html>

Monday, October 1

APPLIED PLANT SCIENCES & AGRO/HORT 8270, Mikey Kantar, APS Graduate Student, "Kava: A traditional medicine with modern uses," 3:30 p.m., 306 Borlaug Hall.

Tuesday, October 2

PLANT BIOLOGICAL SCIENCES, Dr. Peter Tiffin, University of Minnesota, Department of Plant Biology, "Evolution in the past and future; plant defense and response to CO₂ enrichment," 3:30 p.m., 335 Borlaug Hall.

Wednesday, October 3

BMBB, "Structure of the DNA Deaminase Domain of the HIV-1 Restriction Factor APOBEC3G," Dr. Hiroshi Matsuo, University of Minnesota, BMBB Dept., 4:00 p.m., 2-137 Jackson Hall.

Wednesday, October 3

MPGI COLLOQUIA: BIOENERGY AND BIOFUELS, 12:00 - 1:00 PM, 105 Cargill B., St. Paul campus.

- Professor Mary Meyer, Horticultural Science, "Miscanthus: Ornamental and invasive grass, the next biofuel?"

- Asst. Professor Nathan Springer, Plant Biology, and Assoc. Professor Gary Muehlbauer, Agronomy & Plant Genetics, "Uncovering genetic variation for biomass production at high density."

Monday, October 15

THE APPLIED PLANT SCIENCES GRADUATE STUDENT ASSOCIATION will host "Frontiers in Applied Plant Sciences: New Worlds of Water," presented by: Margaret Catley-Carlson, Chair, Global Water Partnership, and World Food Prize Council of Advisors, 12:00pm, 306 Borlaug Hall.

- Faculty, please contact Alex Kahler via e-mail <kahl041@umn.edu> if you would like to schedule time with the speaker for your research group.

- All graduate students are invited to attend a pizza lunch with Ms. Catley-Carlson. Please RSVP by October 13 with Alex Kahler <kahl041@umn.edu>.

This lecture is co-sponsored by The World Food Prize, Syngenta, and the Applied Plant Sciences Graduate Student Association.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

NORTH DAKOTA STATE UNIVERSITY

Extension Horticulture Specialist for Western North Dakota, Department of Plant Sciences, Fargo, ND. PhD in horticulture or a closely related discipline. Closing date: October 15, 2007 or until filled.

Agronomy Gleanings, October 8, 2007

10/8/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
October 8, 2007

ANNOUNCEMENTS

FAREWELL COFFEE for Choo Kien Wong, Tuesday, October 9, 3:00 p.m., 306 Borlaug Hall. Choo Kien has successfully defended his M.S. in Applied Plant Sciences and will return to Malaysia to continue his work on oil palm.

JOHN FOSS OUTSTANDING ACHIEVEMENT AWARD RECEPTION. Please join the Department of Soil, Water and Climate, as well as CFANS, in recognizing the many accomplishments of one of our alums, Dr. John Foss. He'll receive an Outstanding Achievement Award during a reception Tuesday, October 9 from 3:30 to 5:00 p.m. in the Cargill Building atrium. Dr. Foss received his Master's and Ph.D. in Soil Science from the University in 1959 and 1965, respectively. He went on to a distinguished career in teaching and research in the delineation of soil - landscape relations, and as a world leader in the use of soils information in the study and interpretation of archaeological sites and data. Please RSVP by visiting <http://www.cfans.umn.edu/Fossrsvp> or by calling Jenny Brand at 625-1244.

THE GRADUATE SCHOOL ANNUAL GUY STANTON FORD LECTURE, Tuesday, October 16, 12:15 p.m., Ted Mann Concert Hall, West Bank Campus. "From Neurons to Neighborhoods: Making the Link between Science and Service," by DR. THOMAS R. INSEL, Director, National Institute of Mental Health. The lecture is free and open to the public. Seating is available on a first-come first-served basis; the hall opens at 11:30 a.m. Additional information about the Graduate School's Guy Stanton Ford Lectureship is available on the web at: <http://www.grad.umn.edu/news/ford/index.html>

15TH ANNUAL KUEHNAST LECTURE, Thursday, October 18, "Divine Wind: The History and Science of Hurricanes," Dr. Kerry Emanuel, Professor of Meteorology, Massachusetts Institute of Technology, 3:30 p.m., 335 Borlaug Hall. http://climate.umn.edu/doc/journal/kuehnast_lecture/

NORTHROP MEMORIAL AUDITORIUM offers University of Minnesota staff and faculty an exclusive discount of up to 31% on all Northrop Dance performances and up to 19% on all Northrop Jazz concerts. Whether ordering season tickets or an individual event, U of M staff and faculty can save big. 2007-2008 Season Events: <http://www.northrop.umn.edu>

OBITUARY FOR FORMER UNIVERSITY ADMINISTRATOR. Albert John Linck of Vadnais Heights, died on September 26, 2007, at the age of 81. He earned a bachelors, masters and Ph.D. from Ohio State University. He started his long career in academics at the University of Minnesota in 1955 as a professor of Plant Physiology. He moved into academic administration during the turbulent 1960s. In 1984 he became provost of Colorado State University until his retirement in 1994. A memorial service will be held on October 12, 2007 at 11:00 a.m. at Incarnation Lutheran Church, 4880 Hodgson Rd., Shoreview, MN 55126. Visitation starts at 9:30. Memorials requested to U of M Landscape Arboretum, Weisman Art Gallery, Incarnation Church or donor's choice.

SEMINARS

Monday, October 8

APPLIED PLANT SCIENCES & AGRO/HORT 8270, Stephanie Gardiner, M.S. student in Applied Plant Sciences, "Transgenic plant vaccines: An edible, needle-free approach for immunization," 3:30 p.m., 306 Borlaug Hall.

Tuesday, October 9

PLANT BIOLOGICAL SCIENCES, Dr. Yrjo Helariutta, University of Helsinki, Department of Biological and Environmental Sciences, "Integration of hormonal and genetic control during vascular morphogenesis," 3:30 p.m., 335 Borlaug Hall.

Wednesday, October 10

BMBB, Henderson Lecture, Dr. Richard Hanson, Case Western Reserve University, Cleveland, OH, "Phosphoenolpyruvate Carboxykinase: The Joy of Thinking Outside the Box," 4:00 p.m., 105 Cargill.

Wednesday, October 10

LM FINGERSON/TSI INC DISTINGUISHED LECTURE, "Detection of Biological Threat Aerosols: Why is it so difficult?," Dr. Jim Ho, Defense Research and Development Canada at Suffield, 4 pm, Moos Tower 2-620.

Thursday, October 11

PBS Colloquium, Dr. Oded Yarden, The Buck Family Chair in Plant Pathology, Department of Plant Pathology & Microbiology, The Hebrew University of Jerusalem, "Protein phosphatases – Taking the P off Pathogenicity in *Sclerotinia sclerotiorum*," 3:30 p.m., 335 Borlaug Hall.

Monday, October 15

THE APPLIED PLANT SCIENCES GRADUATE STUDENT ASSOCIATION will host "Frontiers in Applied Plant Sciences: New Worlds of Water," presented by: Margaret Catley-Carlson, Chair, Global Water Partnership, and World Food Prize Council of Advisors, 12:00pm, 110 Green Hall (note room change).

- Faculty, please contact Alex Kahler via e-mail <kahl0041@umn.edu> if you would like to schedule time with the speaker for your research group.

- All graduate students are invited to attend a pizza lunch with Ms. Catley-Carlson. Please RSVP by October 13 with Alex Kahler <kahl0041@umn.edu>. This lecture is co-sponsored by The World Food Prize, Syngenta, and the Applied Plant Sciences Graduate Student Association.

Wednesday, October 17

MPGI BIOENERGY/BIOFUELS COLLOQUIA, Professor Mike Sadowsky, Soil, Water, and Climate, and BTI, "A metagenomics platform for discovery of novel enzymes for biofuel production," and Professor Larry Wackett, BMBB and BTI, "Chemistry, physics, biology, engineering, economics of fuels: The biofuels database," 12:00-1:00 p.m., 105 Cargill B.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

IOWA STATE UNIVERSITY

Assistant Professor in plant breeding, The Raymond F. Baker Center for Plant Breeding and the Department of Agronomy, Ames, IA. PhD in plant breeding or related field. Closing date: November 30, 2007.

UNIVERSITY OF WISCONSIN-PARKSIDE

Assistant Professor, Plant Biology/Botany, Biological Sciences Department, Kenosha, Wisconsin. Plant Biologist or Botanist with PhD and postdoctoral experience. Closing date: November 1, 2007. Internet posting: <http://www.uwp.edu/departments/human.resources/unclassified.positions/biosap.cfm>

Agronomy Gleanings, October 24, 2007

10/24/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
October 24, 2007

ANNOUNCEMENTS

AGRONOMY AND PLANT GENETICS FALL SOCIAL, Friday, October 26, 3:00 to 5:00pm in 306 Borlaug Hall. This event will be an opportunity to meet current and new colleagues over a glass of wine, a cup of apple cider, and snacks. PS. Due to campus regulations, you need to be at least 21 years old to attend the Fall Social.

SYNGENTA DEPARTMENTAL COFFEE, Wednesday, October 31, 306 Borlaug Hall, 9:30-10:30 a.m. Hosted by the Corn Breeding Project.

COMMUNITY FUND DRIVE, October 1-31, 2007. Pledge online at www.umn.edu/cfd

BIRTH ANNOUNCEMENT. Melvin and Tonya Bolton are the proud parents of Ava Phyllis, born October 1, 2007, weighing 7 lbs 11 oz.

THE GRAD CLUB OFFICERS for 2007-2008 are:

President: Veronica Justen

Vice-President: Patricio Mayor

Treasurer: Rob Proulx

Secretary: Katie Petersen

COGS Rep: Haiyan Jia

Agroecology Rep: Maggie Mangan

Hort Rep: Adrianna Telias

APS Rep: Steve McKay

Plant Breeding Rep: Robenson Lorenzana

ADA COMSTOCK DISTINGUISHED WOMEN SCHOLARS LECUTRE, "Beyond the F Word: Fashion, Dress and Cultural Meaning," November 13, 7:00 p.m., Cowles Auditorium, Hubert H. Humphrey Center. RSVP at women@umn.edu

AN OPEN HOUSE AND DEDICATION for the Plant Growth Facilities East Addition is planned for 2:30 p.m. on Wednesday, November 7. This new facility, commonly known as the BL3, will provide an important tool to deal with plant pathogens including soybean rust, sudden oak death and new races of stem rust on small grains. It's one of only three such facilities in the United States. The University of Minnesota and the

Minnesota Department of Agriculture will host a short program followed by a tour of the facilities. The Plant Growth Facilities East Addition is located at 1907 Dudley Ave.

THE FIRST ADVANCED BIOMASS ENERGY WORKSHOP, November 15, 8:00 am-5:00 pm, University of Minnesota Morris Campus. \$15 Registration (students free with ID) payable at the door...includes lunch...call to pre-register prior to November 9 by calling Jean or Joel at (320) 589-1711. A companion workshop on wind energy is also being held by WCROC the following day (Nov 16) in Morris.

STATE DEPARTMENT FACT SHEET ON U.S. PASSPORT ISSUANCE. Passport applications are currently taking between four and six weeks for routine service, and three weeks for expedited service. Fall is traditionally a low demand season, so we urge prospective applicants to apply now. January historically marks the beginning of our busy season, and demand may cause us to amend our website to reflect a possibly longer processing time. Readers are urged to check <http://travel.state.gov> (TSG) regularly, or apply now if contemplating international travel.

HENNEPIN COUNTY SERVICE CENTER on Campus for licenses, passports and more, Room 3 Morrill Hall, 100 Church St. SE, Mondays, 11:00 a.m.-1:30 p.m. Contact: 612-348-8240 or www.hennepin.us

2007 PLANT PATHOLOGY GRADUATE STUDENT SYMPOSIUM, "The Good, the Bad, and the Endophyte: The continuum from mutualism to parasitism." It will feature 5 speakers from around the country who are conducting research highly relevant to this area. It will be held in 105 Cargill, November 6th at 9:00 a.m. Website: <http://www.tc.umn.edu/~plpagrad>

MINNESOTA STATE HORTICULTURAL SOCIETY HOLIDAY OPEN HOUSE, December 8, 15, & 22, 9:00 a.m. to 2:00 p.m., 1755 Prior Ave N, Falcon Heights.

SEMINARS

Wednesday, October 24

BMBB, "Redox Proteomics and Alzheimer's Disease: Insights into Linkage of Oxidative Stress to Potential Mechanisms of Neurodegeneration and the Role of Amyloid Beta-Peptide (1-42)," Dr. D. Allan Butterfield, University of Kentucky, Lexington, KY, 4:00pm, 2-137 Jackson Hall, Minneapolis Campus.

Thursday, October 25

BIOTECHNOLOGY INSTITUTE, Robert Boethling, Research Scientist, EPA, "Designing Small Molecules for Biodegradability," 3:30 p.m., 2-580 Moos Tower, Minneapolis Campus.

Tuesday, October 30

PLANT BIOLOGICAL SCIENCES COLLOQUIUM, Dr. Jim Bever, Indiana University,

Department of Biology, "Ecological Dynamics and Evolutionary Maintenance of the Plant-Arbuscular Mycorrhizal Fungal Mutualism," 3:30 p.m., 335 Borlaug Hall.

Wednesday, October 31

MPGI, "Emerging Debates on Oversight and Policy in Biomedicine & the Life Sciences," sponsored by The University of Minnesota's Consortium on Law and Values in Health, Environment & the Life Sciences and the Joint Degree Program in Law, Health & the Life Sciences, "The Global Biofuels Debate: Science, Policy & Ethics," Suzanne Hunt, MA (formerly of Worldwatch Institutes), 11:30am - 1:00pm, Theater, St. Paul Student Center. Commentators: Dean Robert Elde, PhD, and Professor Benjamin Senauer, PhD.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

LOUISIANA STATE UNIVERSITY AGRICULTURAL CENTER

Professor and Head, Department of Plant Pathology and Crop Physiology, Baton Rouge, LA. PhD in Plant Pathology, Plant Physiology or closely related field. Closing date: January 2, 2008.

UNIVERSITY OF NEBRASKA-LINCOLN

Assistant Professor, Alternative Crops Breeding Specialist, Department of Agronomy and Horticulture, Panhandle Research and Extension Center, Scottsbluff, NE. PhD in plant genetics, crop science, or related field.

KANSAS STATE UNIVERSITY

Assistant Professor, Research Soil Scientist/Agronomist, Agricultural Research Center, Hays, Kansas. PhD in soil science or agronomy. Closing date: November 15, 2007 or until filled.

KANSAS STATE UNIVERSITY

Graduate Teaching and Research Assistant, Department of Agronomy, Manhattan, KS. B.S. or M.S. degree in Soil Science, Agronomy, Ecology, Natural Resources or a related discipline. Applications accepted until filled.

MINNESOTA DEPARTMENT OF AGRICULTURE

Plant Health Specialist 2, Integrated Pest Management Trainer. BS/MS in entomology, plant pathology, horticulture, and/or closely related field. Closing date: October 23, 2007. For a full description, and instructions on applying go to:
<https://statejobs.doer.state.mn.us/JobPosting/3ce63b5292ff2a495ec4f4a1ff1f9e00/View>

THE ROCKY MOUNTAIN NATURE ASSOCIATION

Fellowship opportunity for graduate level researchers in Rocky Mountain National Park, Estes Park, CO, Summer 2008, \$8,000.00 stipend, housing included. Deadline: February 1, 2008. <http://www.rmna.org/fellowship.html>

UNIVERSITY OF MINNESOTA

Equal Opportunity Consultant, Associate to the Director, Office of Equal Opportunity and Affirmative Action, Minneapolis Campus. Baccalaureate degree. Review begins: November 1, 2007 and until filled.

UNIVERSITY OF CALIFORNIA, MERCED

Three faculty positions in Ecology, School of Natural Sciences. PhD in ecology, biology, microbiology, biogeosciences, or other relevant field. Closing date: November 12, 2007. <http://www.ucmerced.edu/jobs>

IOWA STATE UNIVERSITY

Assistant Professor, environmental soil science, Department of Agronomy, Ames, IA. PhD in soil science, environmental science, or closely related field. Closing date: November 30, 2007.

IOWA STATE UNIVERSITY

Assistant Professor, plant breeding, The Raymond F. Baker Center for Plant Breeding and the Department of Agronomy, Ames, IA. PhD in plant breeding or related field. Closing date: November 30, 2007 or until filled.

SOUTHERN ILLINOIS UNIVERSITY- CARBONDALE

Assistant/Associate Professor, Plant, Soil and Agricultural Systems. PhD in Plant Breeding or closely related field. Closing date: January 15, 2008.

Agronomy Gleanings, October 30, 2007

10/30/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
October 30, 2007

ANNOUNCEMENTS

2007 ASA-CSSA-SSSA International Annual Meetings, November 4-8, at the Ernest N. Morial Convention Center in New Orleans, LA.

SYNGENTA DEPARTMENTAL COFFEE, Wednesday, October 31, 306 Borlaug Hall, 9:30-10:30 a.m. Hosted by the Corn Breeding Project.

BIRTH ANNOUNCEMENT. Candida Cabral and husband had a baby girl, Julia, Monday, October 29 at 10:00 a.m. Julia has an older sister in kindergarten named Louisa.

UPLAN OPEN ENROLLMENT, November 1-30, 2007. The annual Employee Health and Benefits Fair, sponsored by Employee Benefits and Boynton Health Service, will be held on November 7, 10:00 a.m. to 3:00 p.m., in the North Star Ballroom in the St. Paul Student Center. Flu shots are available from 10 a.m. to 3 p.m., November 7, Cherrywood Room.

PARKING Sub-lease available by the month in Lot SC161, south of the greenhouse at Gortner and Dudley Avenues. For details, contact Phil Schaus at 5-9263.

COMMUNITY FUND DRIVE. Just a reminder that the Community Fund Drive ends this week. If you have forgotten to send in your pledge, there is still time. Thanks to all of you who make this such a success year after year. ~ Jeanne Davy

SEMINARS

Wednesday, October 31

MPGI, "Emerging Debates on Oversight and Policy in Biomedicine & the Life Sciences," sponsored by The University of Minnesota's Consortium on Law and Values in Health, Environment & the Life Sciences and the Joint Degree Program in Law, Health & the Life Sciences, "The Global Biofuels Debate: Science, Policy & Ethics," Suzanne Hunt, MA (formerly of Worldwatch Institutes), 11:30am - 1:00pm, Theater, St. Paul Student Center. Commentators: Dean Robert Elde, PhD, and Professor Benjamin Senauer, PhD.

Wednesday, October 31

WUSA & MISA, "The Public Health Significance of the Nutritional Differences Between Conventional and Organic or Grass Fed Foods," Kate Clancy, School of Agriculture, Endowed Chair, 1:30-2:30 p.m., 306 Borlaug Hall.

Wednesday, October 31

BMBB, "DNA-PK: Director at the End," Dr. Katheryn Meek, Michigan State University, East Lansing, MI, , 4:00pm, 2-137 Jackson Hall, Minneapolis Campus.

Monday, November 5

APPLIED PLANT SCIENCES & AGRO/HORT 8270. No seminar due to ASA meeting.

Tuesday, November 6

Plant Biological Sciences, Drs. Jan Kvet and Dasa Bastlova, University of South Bohemia, Department of Ecosystems Biology, "Comparison between invasive North American and Native Eurasian populations of purple loosestrife (*Lythrum salicaria*)," 3:30 p.m., 335 Borlaug Hall.

UMore Park Forums:

* Thursday, Nov. 8, 8 a.m. to 10:30 a.m., North Star Ballroom, 2nd Floor, St. Paul Campus Student Center

* Friday, Nov. 9, a.m. to 10:30 a.m., The Theater, 1st Floor, Coffman Memorial Union, Minneapolis campus. Please confirm your attendance by registering on the website at http://www.umorepark.umn.edu/campus_forums Forum agendas, drafts of the six task force reports, and related information can also be viewed at this site.

Monday, November 12

Environment Roundtable Discussions, "Biofuels and Environmental Quality," featuring: Mark David, University of Illinois; Gyles Randall, Southern Research and Outreach Center; Nick Jordan, Department of Agronomy and Plant Genetics. Facilitated by: David Mulla, Department of Soil, Water and Climate and Paige Novak, Department of Civil Engineering, 11:45 am - 1:00 pm, Conversation 11:45 - 12:30, Audience Discussion 12:30 - 1:00. 105 Cargill Building for Microbial and Plant Genomics. Guests are welcome to bring their own lunch - refreshments and light snacks provided. FREE and open to the public.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

UNIVERSITY OF ARKANSAS

Professor and Head, Department of Crop, Soil and Environmental Sciences, Fayetteville. Doctorate in crop, environmental, soil, water, or weed science. Application review begins: January 7, 2008.

Agronomy Gleanings, November 16, 2007

11/16/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>
November 16, 2007

ANNOUNCEMENTS

THANKSGIVING HOLIDAY, Thursday, November 22 and floating holiday, Friday, November 23. University offices will be closed.

SYNGENTA DEPARTMENTAL COFFEE, Friday, November 30, 9:30 a.m., 306 Borlaug Hall. Hosted by the Wheat Lab.

GOOD NEWS. We heard from Don and Joyce Barnes and they are doing well after a rough summer. Dr. Barnes has recovered from adverse reactions to his medications for Parkinson's disease, and is now enjoying their new home and working in the yard. Their new address is: 10148 Ridgewood Drive, Minocqua, WI 54548.

TWO MAIZE-RELATED FILMS:

The History Channel's production "MODERN MARVELS: CORN" gives a good overview of what happens to corn after it has been harvested (e.g., processing into ethanol, high fructose corn syrup and bio-plastics). This show is scheduled to be broadcast in some markets next Monday (November 19) at 8 PM. But do check local listings.

"King Corn" raises important questions about corn production and utilization. It's coming to a theatre near you. Here are reviews from the NYT and The Washington Post:

<<http://movies.nytimes.com/movie/391258/King-Corn/overview>>

<<http://www.washingtonpost.com/wp-dyn/content/article/2007/10/18/AR2007101802209.html>>

HOLIDAY MUSICALE! Once again it's time to look forward to the annual holiday event sponsored by MPGI (Microbial & Plant Genomics Institute). This year's 4th annual Holiday Musicale has been scheduled for Friday, December 14, 3:00-5:00pm in the Cargill Building Atrium. The event is open to the entire university and features "Scientist Musicians."

MINNESOTA CULTIVATED WILD RICE COUNCIL is soliciting research pre-proposals for cultivated wild rice research projects. Deadline: Wednesday, December 19, 2007.

SEMINARS

Monday, November 19

APPLIED PLANT SCIENCES, "The influence of agricultural management on carbon sequestration," Aaron Johnsen, M.S. student in APS, Adviser: Dr. Brian Horgan, 3:30 p.m., 306 Borlaug Hall.

Tuesday, November 20

SPECIAL SEMINAR, "Nut Breeding at Rutgers University: What Have We Learned in Ten Years?," Dr. Thomas Molnar, Department of Plant Biology and Pathology, New Brunswick, NJ, 10:00 a.m., 310 Alderman Hall.

Tuesday, November 20

PBS COLLOQUIUM, Dr. Herve Cochard, French National Institute for Agricultural Research, "New insights into the hydraulics of trees," 3:30 p.m., 335 Borlaug Hall.

Wednesday, November 21

WUSA & MISA, "Organic Strawberry Trials at Cornercopia Student Organic Farm," Charles Eckman, Masters of Agriculture student, 12:00 noon, 306 Borlaug Hall.

Wednesday, November 21

BMBB. No Seminar.

Tuesday, November 27

APPLIED PLANT SCIENCES, Ph.D. Thesis Defense, "Inheritance and Quantitative Trait Loci Analysis of Leaf Rust Resistance in Wheat," Xiuling Zhang, 1:00 p.m., 306 Borlaug Hall. Advisor: Jim Anderson

Wednesday, November 28

MPGI COLLOQUIUM, Mark Toso, Minnesota Pollution Control Agency, "Cleanup of Ethanol Spills," and Nick Jordan, Agronomy and Plant Genetics, "Sustainable Development of Biomass Production Systems," 12:00-1:00 p.m., 105 Cargill Bldg.

Friday, November 30

NAS LECTURESHIP SERIES, Michael Thomashow, Director of the MSU-DOE Plant Research Laboratory at Michigan State University, "Gene Regulons and Regulatory Networks Involved in Plant Cold Acclimation," 2:00pm, 105 Cargill Building for Microbial and Plant Genomics, St. Paul Campus. Light refreshments will be served. He also will be visiting with faculty throughout the day, and will join grad students and postdoctoral scientists at 3:00pm, after the seminar, for a free-ranging discussion about research, career opportunities in academia and business ethics in science, etc. Sponsored by the Microbial and Plant Genomics Institute: <http://www.mpgi.umn.edu>

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY

Assistant Professor, Soil Fertility and Nutrient Management, Department of Agronomy, Manhattan, KS. PhD in agronomy, soil science, or closely related area. Screening begins: January 15, 2008.

NORTH DAKOTA STATE UNIVERSITY

Tenure Track position in Sports Turfgrass Management, Department of Plant Sciences, Fargo, ND. PhD in turfgrass. Closing date: January 7, 2008.

OKLAHOMA STATE UNIVERSITY

Assistant Professor, Turfgrass Science, Department of Horticulture and Landscape Architecture, Stillwater, Oklahoma. PhD. in Horticulture, Plant Science, Crop Science, or related field. Review of applicants will begin January 15, 2008.

OKLAHOMA STATE UNIVERSITY

Assistant Professor, Herbaceous Ornamental Crop Development and Production Specialist, Department of Horticulture and Landscape Architecture, Stillwater, Oklahoma. PhD. in Horticulture with an emphasis in herbaceous ornamentals. Review of applicants will begin February 10, 2008.

UNIVERSITY OF MINNESOTA EXTENSION

Regional Extension Educator (REE), Extension Regional Center, Crookston, MN. Master's degree in Agronomy, Soil Science, Weed Science, Biosystems and Agricultural Engineering, Entomology, Plant Pathology, Plant Science, Sustainable Agriculture or a related discipline. Closing date: November 30, 2007.

Agronomy Gleanings, November 28, 2007

11/28/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
411 Borlaug Hall, 1991 Upper Buford Circle, St. Paul, MN 55108-6026
PHONE (612) 625-7773; FAX (612) 625-1268; E-MAIL agro@umn.edu
WEB <http://agronomy.cfans.umn.edu/>

November 28, 2007

ANNOUNCEMENTS

DEPARTMENTAL COFFEE. Please join us Friday, November 30th in 306 Borlaug Hall at 9:00 a.m. for the Agronomy and Plant Genetics November Coffee, sponsored by the Syngenta Committee. Brace yourself for plunging temperatures with tasty treats and hot coffee. Don't forget your mug! ~ Wheat Lab

CSSA AWARD RECIPIENTS

Carroll P. Vance was presented the Monsanto Crop Science Distinguished Career Award at the 2007 Annual ASA meetings in New Orleans, LA. The award is presented to a crop scientist who has exhibited an outstanding record of service during a minimum of 25 years.

James A. Anderson was elected CSSA Fellow based on professional achievements and meritorious service.

TOYS FOR TOTS/MITTEN TREE is located in 411 Borlaug Hall. Deadline is Friday, December 21. Thank you for your support of the Graduate Student Association as they strive to help our community.

DEPARTMENT WINTER PARTY, "Tropical Festival of Cultures," will be held Friday, January 25, 2008, 11:30-1:00 PM in 306 Borlaug Hall. Due to scheduling conflicts, this social event will replace our December winter party. Please join us for a non-traditional tropical party January 25th! ~ The Social Committee

SEMINARS

Wednesday, November 28

WUSA & MISA, "Assessing Sustainability on Cornercopia Student Organic Farm,"
Karen Weiss, Masters of Agriculture student, 12:00 noon, 306 Borlaug Hall.

Wednesday, November 28

MPGI COLLOQUIUM, Mark Toso, Minnesota Pollution Control Agency, "Cleanup of Ethanol Spills," and Nick Jordan, Agronomy and Plant Genetics, "Sustainable Development of Biomass Production Systems," 12:00-1:00 p.m., 105 Cargill Bldg.

Wednesday, November 28

BMBB, "Sequence, Structure, Function, Immunity," Dr. Steven Almo, Albert Einstein College of Medicine, Bronx, NY, 4:00pm, 2-137 Jackson Hall, Minneapolis Campus. <http://www.cbs.umn.edu/BMBB/seminars/current.shtml>

Friday, November 30

NAS LECTURESHIP SERIES, Dr. Michael Thomashow, Director of the MSU-DOE Plant Research Laboratory at Michigan State University, Lansing, MI, "Gene Regulons and Regulatory Networks Involved in Plant Cold Acclimation," 2:00pm, 105 Cargill Building for Microbial and Plant Genomics, St. Paul Campus. Sponsored by the Microbial and Plant Genomics Institute: <http://www.mpgi.umn.edu>

Monday, December 3

INSTITUTE ON THE ENVIRONMENT, December Environmental Roundtable Event: Animal Agriculture in a Changing Environment, Featuring: Dr. John Deen and Dr. Jeff Bender, College of Veterinary Medicine, Facilitator: Dr. Pat Redig, College of Veterinary Medicine, 11:45am - 1:00pm, 105 Cargill Building, St. Paul Campus. Guests are welcome to bring their own lunch - refreshments and light snacks provided. FREE and open to the public.

Monday, December 3

APPLIED PLANT SCIENCES, "Genetic dissection of meiotic prophase in plants," Dr. Wojtek Pawlowski, Cornell University, 3:30 PM, 306 Borlaug Hall.

Tuesday, December 4

PBS, Dr. Teresa Pawlowska, Cornell University, Department of Plant Pathology, "Genetics and evolution of arbuscular mycorrhizal fungi," 3:30 PM, 335 Borlaug Hall.

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

KANSAS STATE UNIVERSITY

Research Assistant, Department of Agronomy, Throckmorton Plant Sciences Center, Manhattan, KS. B.S. (M.S.) preferred) in Agronomy, Soil Science, or related field. Screening begins: December 15, 2007.

UNIVERSITY OF SASKATCHEWAN

Post-doctoral fellowship in Innovative Extraction Research, Biosystems Engineering with special emphasis on extraction of nutraceutical and pharmaceuticals, Department of Agricultural and Bioresource Engineering. Ph.D. Applications considered until December 15, 2007, or until a suitable candidate is found.

UNIVERSITY OF SASKATCHEWAN

Two Ph.D. student positions in Innovative Extraction Research, Bioprocess Engineering with emphasis on extraction of nutraceutical and pharmaceuticals, Department of

Agricultural and Bioresource Engineering. Applications considered until December 15, 2007, or until suitable candidates are found.

USDA, ARS

Biological Science Technician (Plants), Department of Agriculture, Sunflower Research Unit, Fargo, ND.

Agronomy Gleanings, December 5, 2007

12/5/2007 8:00 AM

AGRONOMY GLEANINGS

Department of Agronomy and Plant Genetics, University of Minnesota
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December 5, 2007

ANNOUNCEMENTS

HOLIDAY MUSICALE! Once again it's time to look forward to the annual holiday event sponsored by MPGI (Microbial & Plant Genomics Institute). This year's 4th annual Holiday Musicale has been scheduled for Friday, December 14, 3:00-5:00pm in the Cargill Building Atrium. The event is open to the entire university and features "Scientist Musicians."

COOKIE PARTY, Monday, December 17, 9:00 a.m., Main Office, 411 Borlaug Hall. Please join us for cookies and hot apple cider. ~ Office Staff

THE TOYS FOR TOTS/MITTEN TREE is located in 411 Borlaug Hall. Deadline is Friday, December 21. Thank you for your support of the Graduate Student Association as they strive to help our community.

SEMINARS

Thursday, December 6

Plant Pathology, "Molecular mapping in cereals: Shifting from the structural to the functional level," Dr. Manoj Prasad, National Institute for Plant Genome Research, Aruna Asaf Ali Marg, New Delhi-110067, India, 491 Borlaug Hall, 12:00-1:00 PM.

Thursday, December 6

BioTechnology Institute, Rekha Seshadri, Principal Scientist, J. Craig Venter Institute, "From complete bacterial genomes to environmental metagenomes: Insights, challenges and future directions," 3:30 PM, 239 Gortner Lab.

Friday, December 7

NAS/ MPGI, Dr. Roger Beachy, President, The Donald Danforth Plant Science Center, St. Louis, MO, "Searching for the Achilles heel in virus replication and genetic engineering to reduce disease in plants," 2:00 PM, 105 Cargill Building.

Friday, December 7

BBE, "Bioreactors: An Idea Whose Time Has Come," Dr. Richard Cooke, Department of Agricultural and Biological Engineering, University of Illinois, 10:00 AM, 302 Kaufert Lab.

Monday, December 10

APS & AGRO/HORT 8270, Rob Proulx, APS Graduate Student, "Agriculture's Role in Supplying Feedstock for Ethanol Production," 3:30 PM, 306 Borlaug Hall.

Tuesday, December 11

Plant Biological Sciences, Dr. Mechthild Tegeder, Washington State University, Center for Reproductive Biology, "Molecular physiology of plant amino acid transporters," 3:30 PM, 335 Borlaug Hall.

Wednesday, December 12

MPGI Colloquium, Professor Michael Tsapatsis, CEMS, "Molecular sieve catalysts, adsorbents and films for the production of fuels and chemicals," and Professor Pete Lefebvre, Plant Biology, "Hydrogen production by the unicellular green alga *Chlamydomonas*," 12:00 PM, 105 Cargill Building.

Monday, December 17

The Microbial and Plant Genomics Institute will sponsor a Leading Edge Technologies seminar in 105 Cargill Bldg. at 2:00pm, featuring Wolf Frommer, Associate Professor of the Carnegie Institute, Department of Plant Biology at Stanford University. The title of Dr. Frommer's presentation will be: "FRET sensors as tools to visualize metabolite flux and to identify regulatory networks."

POSITION ANNOUNCEMENTS

(Posted in notebook in 411 Borlaug Hall)

WASHINGTON STATE UNIVERSITY

Area Extension Educator for small farms statewide, Pullman, WA. Minimum Master's degree or equivalent in sustainable agriculture, organic agriculture, horticulture, agronomy, agricultural marketing, or related field.

SOIL AND WATER CONSERVATION SOCIETY

Resource Associate, Ankeny, Iowa. Minimum Bachelor's degree in natural resources, agriculture, and/or environmental sciences.