Congratulations 2006 APS Awardees!

APS is pleased to honor the following individuals who have made significant contributions to the science of plant pathology. The awards will be presented during the APS Awards & Honors Ceremony (Tuesday, August 1, 6:30 – 7:15 p.m.) in Québec City, Canada. Biographies for the awardees are available at www.apsnet.org/members/awards/2006/.

APS Fellows
Stella Melugin Coakley, Oregon State University
Ralph A. Dean, North Carolina State University
Anne E. Desjardins, University of Arkansas
Helene R. Dillard, Cornell University
Rose C. Gergerich, University of Arkansas
John R. Hartman, University of Kentucky
Charles R. Howell, USDA ARS SPARC
Ben E. Lockhart, University of Minnesota
Ulrich Melcher, Oklahoma State University
Ravi Singh, CIMMYT
James L. Starr, Texas A&M University

Award of Distinction
Milton Zaitlin, Cornell University

Excellence in Extension Award
Marcia P. McMullen, North Dakota State University

Excellence in Industry Award
Gregory L. Lamka, Pioneer Hi-Bred International Inc.

Excellence in Teaching Award
Cleo J. D’Arcy, University of Illinois - Urbana

International Service Award
H. David Thurston, Cornell University

Lee M. Hutchins Award
Chang-Lin Xiao, Washington State University

Ruth Allen Award
Thomas J. Baum, Iowa State University
Eric J. Davis, North Carolina State University
Richard S. Hussey, University of Georgia

Syngenta Award
Guo-Liang Wang, Ohio State University

William Boright Hewitt and Maybelle Ellen Ball Hewitt Award
Koon-Hui Wang, University of Florida - Gainesville

Québec Updates Inside…

Check out the latest information on the upcoming APS/CPS/MSA Joint Meeting in Québec City, Canada, July 29–August 2, 2006, inside this issue of Phytopathology News. Pages 72-73 provide an overview of the schedule of events, as well as a full listing of the exhibitors who will be onsite. Save $25—take advantage of the online registration discount. Visit http://meeting.apsnet.org for complete details.
Lessons from Lysenko

John Andrews, APS President, jha@plantpath.wisc.edu

2006 is the 30th anniversary of the death of the infamous Soviet agriculturalist T. D. Lysenko. We should pause to remember Lysenko because his era provides important lessons for current humanity.

Lysenko rose to power in Stalinist USSR where he held enormous influence from the 1930s to the 1960s. While he is probably best remembered for championing Lamarckism, Lysenko espoused many dubious or bogus scientific notions, including the denial of Darwinism, Mendelian genetics, controlled experiments, and natural variation. Because he worked in plant breeding, his scientific background touched on plant pathology. At one point he dismissed the recurring potato decline in southern USSR as being due to mysterious “phasic aging” of tubers despite compelling evidence that it was caused by viruses accumulating in the clonally propagated clones. But his impact was not merely that of an inept but influential scientist. Rather, his legacy is notorious because fraudulent science became the basis for public policy in this totalitarian state, providing perhaps the most extreme example of “dogma over data.” Reputable Soviet geneticists were ostracized and silenced, and several, including the distinguished N. I. Pavlov—perhaps the world’s preeminent plant geneticist at the time, were imprisoned and killed. If there is a silver lining to this tragic period, it is in the courageous resistance of many Soviet scientists to the Lysenko pogrom and the eventual triumph of legitimate science over politicized pseudoscience.

Though we do not live at a time or in a country where someone like Lysenko could individually have such an influence, nonetheless we still face the same basic threat: politicians of all stripes who use pseudoscience to advance a political viewpoint, a sort of covert lysenkoism. Examples abound in the contentious national debates of the past decade or two: acid rain; global warming; stem cells; obesity; evolution vs intelligent design; “Star Wars”; the “morning after” pill (Plan B); condoms in HIV prevention; and CFCs in ozone depletion. The issue is not that these matters have been controversial—they were bound to be—but rather that science has been invoked, and data often deliberately and systematically distorted, to advance the ideology of one camp or the other.

Part of the problem, of course, is that science does not deal in absolute truth, but in reproducible facts and in degrees of certainty. Neither politicians nor the public really understand this and it is not surprising that they face a challenge in thinking about scientific issues. This is in turn leads to ignorant or dishonest people making spurious arguments in the name of science where it suits their purpose. Why does the debasing and distorting of science matter? It matters because, in a functioning democracy, politicians and the public they serve must have an objective, unadulterated assessment of reality on which to base sound public policy for the good of the country.

Scientists and scientific societies like APS have an obvious role in helping a scientifically and statistically illiterate public deal with an increasingly technical world. First, we must become much more involved in those social debates in which we have expertise than we have been in the past. The days are gone, if they ever existed, when scientists could conveniently retreat behind closed laboratory doors and let the world go by! Scientists must arise and take charge of their affairs because the scientific agenda of this nation is being usurped by special interest groups intent on conveying their own particular "scientific" message. Scientists cannot allow this to happen or we surely are a group of wimps that deserves to be driven over the face of the cliff like a bunch of lemmings! Beyond this, individual scientists and scientific societies need to be protectors of the public interest. Through the efforts of our offices, such as the Public Policy Board and the Office of Public Affairs and Education, APS has earned respect nationally as a credible source of information on plant health matters. We might go further and support a Washington legislative intern program for a young APS member, as have many other scientific societies. Second, we need to be strong public advocates for independent, objective scientific input at all governmental levels, especially in the White House and in Congress, where it would be desirable to resurrect the Office of Technology Assessment as an unbiased scientific resource for policymakers. Third, we need to rethink our training of future scientists: we should not only continue to provide courses on scientific ethics, but also teach that ethics includes the public responsibility of the scientist.

In a 1976 editorial entitled "Politics and Reason" (Science 193:535), W. D. Carey wrote poignantly that, at its best, science and public policy should mean “a reach for higher ground in the partnership of knowledge with governance.” Unfortunately, the intervening 30 years have marked a retrenchment, not an advance, on achieving that laudable goal. Let us hope that we can do better in the next 30 years.
Periodic Table of Plant Pathogens Workshop Planned for Québec City

At the APS meeting this year in Québec City, the Epidemiology and Regulatory Committees will be sponsoring a workshop entitled “The Periodic Table of Plant Pathogens.” The workshop is being organized by Roger Magarey of North Carolina State University, Erick DeWolf of Pennsylvania State University, and Serge Savary and Laetitia Willocquet of INRA, France.

The purpose of the workshop is to develop a graphical device for displaying these epidemiological relationships modeled on the chemist’s periodic table. Such a graphical device could be a useful tool for teaching and explaining epidemiological relationships to administrators and other stakeholders.

The objective of this workshop is to obtain feedback from APS members about the design and development of a periodic table for plant pathogens. This includes suitability and definition of the selected parameters and feedback on the proposed graphical design and collaborative methods to populate the table. To construct a periodic table, we have proposed parameters including survival half-life, rate of reproduction, dispersal half-distance, risk, moisture, temperature, host range, and trophism. Quantitative units have been proposed for most parameters to enable the epidemiological properties of plant pathogens to be compared in a graphical format. A test range of plant pathogens with diverse biological characteristics has been selected to evaluate which of these parameters are the most useful for illustrating epidemiological similarities and differences. This also includes special case studies for pathogens of wheat (Triticum aestivum) and grape (Vitis vinifera). We hope that APS members with an interest in epidemiology will be able to participate in this novel workshop and help in the development of the periodic table.

If you would like more information on the workshop, please contact Roger Magarey at +1.919.855.7537 or roger.d.magarey@aphis.usda.gov.
OIP News & Views

OIP Activities in Québec City

As you make plans to attend the joint APS/CPS/MSA meeting this summer in Québec City, Québec, Canada, OIP would like to bring to your attention two great opportunities to support the international activities of APS. In response to popular demand, OIP will host two events that have been held at previous annual meetings.

APS-OIP 5K Fun Run/2.5K Walk for International Outreach and Collaboration
Join your friends and support OIP by participating in the second 5K Fun Run/2.5K Walk for International Outreach and Collaboration. The event will take place in the historic Plains of Abraham Battlefield Park, which overlooks the St. Lawrence River and is near the Québec City Convention Center. The race will be held, rain or shine, at 7:00 a.m. on Sunday, July 30, and will be coordinated by a local runner’s club, the Club de course à pied de l’Université Laval. OIP thanks Louis Bernier, Université Laval, for local arrangements and substantial assistance with the Park and Club. Registration for the race is only $25. All registrants will receive an official race t-shirt, and prizes will be given to the top three men and women finishers. Proceeds from the event will help enhance the various international activities of APS, including improved networking among scientists and organizations. To register, mark your APS annual meeting registration form. For those who are interested in supporting the cause but are not the morning type, sign up for the “donation only” registration. You will support OIP, get a little more sleep, and still receive a race t-shirt.

“Connecting Knowledge with a Growing World.” The Second Annual OIP Silent Auction
This auction was a great success at the annual meeting last year in Austin. Support OIP by participating in the Second Annual OIP Silent Auction in Québec City. The auction will be held during the Welcome Reception on Sunday, July 30. Funds raised will be used for the new “Connecting Knowledge with a Growing World” workshop series that will support collaboration among plant pathologists from around the world.

• Auction Items
OIP wants fabulous cultural items for the auction. Last year more than 80 products from six continents were donated and almost $4,000 was raised. Help us top these figures in 2006! Do you have items you have collected during international travel or artwork you have made? How about bottles of wine, chocolate, or other special treats from around the world? Donations may be in the form of crafts, artwork, tools, books, services, or any other item that reflects your culture or cultures that you have visited. Items should be valued at $10 or more.

• Make a Donation
If you are interested in donating an item for the auction, download and complete the donation form at www.apsnet.org/members/oip/silentauction.asp and submit it to APS by July 7. If you are unable to attend the meeting, you can still donate items for the auction by shipping them with a completed donation form by July 7 to the attention of Michelle Bjerkness at APS Headquarters. When mailing a donation, please write “Silent Auction Donation” on the outside of the package. We will notify you when your donation arrives.

• Sponsorship Option
If you are unable to provide an item for the auction, but would like to support the workshop series, download the sponsorship form at www.apsnet.org/members/oip/SilentAuctionSponsorForm.pdf and submit it with your monetary donation to OIP by June 1.

• At the Meeting
You are invited to bid during the APS Welcome Reception on Sunday, July 30, from 7:00-9:30 p.m. Browse and bid on one or several items. With each winning bid you will take home a unique item and help cooperation among plant pathologists worldwide.

OIP Library Assistance Program—Activities in 2005

During 2005, the OIP Library Assistance Program sent journals to the following institutes: Awassa College of Agriculture, Ethiopia; University of Debrecen, Hungary; University of Ibn Zohr, Morocco; CIIDIR—IPN-Undidad Sinaloa, Mexico; and ICARDA/University of Aleppo, Syria. In total, the following were shipped: nine volumes of Nature, 12 volumes of Science, 30 volumes of Plant Disease Reporter, 93 volumes of Plant Disease, and 159 volumes of Phytopathology.

Publications were donated by Christina Matta (University of Wisconsin), Robert Carroll (University of Delaware), Timothy Tidwell (California Department of Food & Agriculture), Tom Creswell (North Carolina State University), Barry Cunfer (University of Georgia), and William Dowler (Clemson University). Shipments were made possible by contributions from Christina Matta, Robert Carroll and the Department of Plant & Soil Science (University of Delaware), David Thomas/Syngenta Crop Prot., Inc. (U.S.A.), Crompton Corp./Uniroyal Chem. (U.S.A.), Tom Creswell and the Department of Plant Pathology (North Carolina State University), Mohammad Babadoost (University of Illinois), Elizabeth Jeffery and Elvira de Mejia/TIES Mexico Program (University of Illinois), Barry Cunfer, and the APS-OIP Library Assistance Program. OIP sincerely thanks the above individuals and organizations for their outstanding generosity.

Donations of books, compendia, and CDs continue to be the items that are most frequently requested of the OIP Library Assistance Program. In 2005, these requests were more than double the total that was received for journals. If you have thought about assisting this program, please consider donating these items, as well as journals. OIP will certainly find a good home for anything you can contribute! To help, please contact Mohammad Babadoost at: N-533 Turner Hall, Department of Crops Sciences, 1102 S. Goodwin Ave., Urbana, IL 61801-4798; Phone: +1.217.333.1523; Fax: +1.217.333.5299; E-mail: babadoos@uiuc.edu.
OIP Announces Recipients of the JANE and International Travel Awards

OIP is pleased to announce the recipients of the JANE and International Travel Awards for 2006. Funding for both of these awards was made possible by a generous donation from John and Anne Neiderhauser.

The JANE award goes to Jorge Teodoro de Souza (CEPLAC/CEPEC, Itabuna, Brazil) and Adeniyi David Iwaro (University of the West Indies, Trinidad and Tobago) for their project entitled, “Studies on the genetic diversity and pathogenicity of Phytophthora isolates obtained from cacao in Brazil and Trinidad and Tobago.” OIP appreciates the opportunity to fund work on this important tropical crop. (Note that a symposium on the major cacao diseases will be held at the 2006 annual meeting.)

The International Travel Award goes to Walid Hamada (National Agronomic Institute of Tunisia). At the 2006 annual meeting, Hamada will give a presentation entitled, “Genetic characterisation of Phytophthora infestans in Tunisia revealed the presence of the A2 mating type.”

Congratulations to the 2006 awardees, and thanks to all who have applied for these awards. Watch for the call for proposals later this year for 2007.

Still Using BSA?!?!

Work easier, faster, and safer with Prionex!

Unlike BSA, Prionex® is:

√ consistent from lot to lot
√ water-soluble
√ free of additives
√ abundantly available
√ prion-free
√ low in endotoxins
√ non-antigenic

In most applications, Prionex replaces BSA directly as a:

√ protein and enzyme stabilizer
√ protectant during lyophilization
√ blocking agent in ELISA’s and other immunological assays

Prionex is a sterile, heat-treated peptide fraction of porcine collagen. Contact us today for complete details!

Manufactured by

© 2003 Centerchem, Inc. All rights reserved.

® Prionex is a registered trademark of Pentapharm Ltd.
The APS Foundation is pleased to announce the new Albert O. Paulus Student Travel Fund. The fund was established by colleagues and friends to honor the contributions that he has made to the science of plant pathology. The first travel award will be made for the 2006 APS/CPS/MSA Joint Meeting in Quebec City, Quebec, Canada.

Albert O. Paulus was born on February 28, 1927, in Glendo, WY. During his formative years, he became acquainted with farming by working with crops, such as wheat, barley, and bean, and on a ranch raising Hereford cattle. Al was an active 4-H member for 10 years. He won the Walgreen Home Ground Improvement National Award and a trip to the National 4-H Congress in Chicago in 1943. During his years in 4-H, he also won the Wyoming State Fair Vegetable Judging Contest and a trip to Great Western Stock Show in Denver.

Al joined the Marine Corps in 1945 and was stationed at the Depot of Supply in San Francisco, where he arranged for supplies to be shipped to a 1,200-man unit in the Pacific area of operations.

Al returned to his home state to attend the University of Wyoming on an Honors scholarship and received his B.S. degree in agronomy in 1950 and an M.S. degree in agronomy in 1951 from said institution under the guidance of Professor G. H. Starr. Al completed his education by attending the University of Wisconsin at Madison and received his Ph.D. degree in plant pathology in 1954 with Professor Glenn Pound.

In 1954, Al joined the faculty of the University of California at Riverside (UCR), where he remained until he retired in December 2001. During his tenure at UCR, Al specialized in providing information through applied research on the cause and control of plant diseases on vegetables, ornamentals, strawberries, sugar beet, cotton, avocado, and citrus crops. Al was a great cooperater and worked with a wide range of growers, farm advisors, students, chemical companies, and faculty. He cooperated with Professor Wilhelm at the University of California - Berkeley, Richard Storkan, who was president of TriCal; and Harold Lembright from Dow in developing a preplant soil fumigation treatment of methyl bromide/chloropicrin for the control of Verticillium wilt and other soilborne diseases of strawberry, tomato, and ornamentals. This treatment controlled diseases, increased yields, and enabled growers to continue to use the same ground for profitable production for the past 40 years.

Al remains a proponent of controlling soilborne diseases in his role as chair of the Selection Committee of the Storkan-Hanes-McCaslin Foundation. The Foundation provides yearly scholarships to graduate students involved in all aspects of soilborne diseases. Al also cooperated with Professors Middleton and Kendrick at UCR in identifying air pollutants affecting crop plants in California. He was a member of the Council for Agricultural Science and Technology and worked on the problem of finding and registering pesticides for minor uses. Many of these pesticides had never been registered and were declared illegal for use by growers at the time in 1977.

Al was always interested in evaluating new products for disease control, as well as reevaluating older recommendations where necessary. In 1966, northern California citrus growers stated that Bordeaux mixture was not controlling bacterial blight caused by a Pseudomonas sp. Cooperative research with UCR plant pathologists and local UC Cooperative Extension farm advisors determined that growers were using a lesser amount of Bordeaux mixture than previously recommended. Subsequent research proved that a 10-10-100 Bordeaux mixture was needed for excellent control.

Head smut of sweet corn became an economic problem in southern California in 1971. A range of cultivars of sweet corn seed was obtained and planted in southern California fields. The local farm advisor and Al established that the currently grown cultivar, Bonanza, was extremely susceptible to head smut but numerous other varieties showed high resistance. These new cultivars solved this disease problem in southern California. In recent years, Don Cooksey, UCR, and Al, with the help of Miguel Vilchez and Mellano and Company, demonstrated the value of hot chlorine treatment of both seed and tuber of Ranunculus for eradication of Xanthomonas campestris.

Over the years, Al has been president of the Pacific Division of APS, program chair for the APS Pacific Division, associate editor of Phytopathology, APS Foundation secretary, and was named an APS fellow in 1981. Al has been the president of Gamma Sigma Delta and won the Chancellor’s Founders Award, as well as the Hilgard Award for Outstanding Applied Research, all from the UCR. Al acted as a graduate student advisor and was always involved in the practical development of many students through field classes, research, and diagnostics. Al’s willingness to share his expertise is shown by his involvement in consulting for both universities and governments in Australia, Chile, Ecuador, Egypt, England, France, Germany, Israel, Mexico, Pakistan, Peru, Columbia, Russia, and Spain. He continues to travel abroad in his retirement. ■
A Message from the Presidents

It is our pleasure to invite you to the 2006 Joint Meeting of APS/CPS/MSA in Québec City, Canada. This will be a terrific meeting venue. The planning committee, led by Jan Leach (APS president-elect), has put together an excellent program with enhanced opportunities for networking with your colleagues from around the world. Jan worked closely with Tom Bruns (MSA program chair), Jim Menzies (CPS symposium chair), and Russell Tweddell (CPS contributed papers) to integrate the program among the three societies.

Following the theme Biological Interactions and Biological Crossroads, the Joint Plenary Session on Sunday morning will explore the many levels on which organisms function and interact and the richness of mycology and plant pathology as integrative disciplines. The Welcome Reception, hosted in the Exhibit Hall, will include desserts and coffee. The APS business meeting will be reinstated but in abbreviated format over the lunch hour. CPS will have its business meeting with a lunch like last year and MSA will host a morning business breakfast meeting. The APS Presidential Ceremony will include the awards presentation and the passing of the gavel to the incoming president and will be followed by a party. MSA and CPS will also offer dinner banquets on Tuesday evening.

This year’s expanded technical program includes symposia, discussions, and contributed paper sessions covering all areas of plant pathology and mycology. Attendees are encouraged to register in advance for premeeting field trips and workshops. In addition to learning and networking, be sure to include a little fun and recreation. The meeting website (http://meeting.apsnet.org) describes some of the cultural, historical, and natural wonders in and around Québec.

Exciting opportunities await you at the 2006 Joint Meeting. Mark your calendar now for July 29–August 2 and plan to join colleagues from around the world as we discuss the most recent advances in the science and practice of plant pathology. This is a meeting you won’t want to miss!

John Andrews
APS President

André Lévesque
CPS President

James Anderson
MSA President

Meeting Highlights

The Joint Meeting offers attendees a chance to experience exceptional science in plant pathology and mycology, all in one place. In addition to the technical and symposium sessions, be sure to include some time for networking with old and new friends at one of these events!

Welcome Reception
Sunday, July 30 • 7:00 - 10:00 p.m.
Mix and mingle with exhibitors, poster authors, and old and new colleagues; view the spectacular Art in Phytopathology display; and bid on APS-OIP Silent Auction items while enjoying desserts and beverages.

Industry & Extension Social
Monday, July 31 • 6:30 - 10:30 p.m.
This annual favorite will take place at Parc de la Chute Montmorency and Manoir Montmorency. A dinner reception is included, along with tickets for the gondola ride, bus service, and two drinks per person.

Society Business Meetings
Be sure to attend one of the business meetings, so you can stay abreast of all of the latest happenings in your society:

• MSA Business Meeting with Breakfast
  Tuesday, August 1 • 7:00 - 9:00 a.m.

• CPS Business Meeting with Luncheon
  Tuesday, August 1 • 12:00 - 1:30 p.m.

• APS Business Meeting
  Tuesday, August 1 • 12:30 - 1:30 p.m.

Society Closing Events
Included in your registration is your choice of a Tuesday evening party. Choose from the CPS Banquet, MSA Auction, or APS Party.

• CPS Awards & Honors Banquet
  Tuesday, August 1 • 6:30 - 11:00 p.m.
  Celebrate the ending of a great annual meeting and the accomplishments of your colleagues! This “sit down” banquet event is included in your registration fee.

• MSA Social and Auction
  Tuesday, August 1 • 6:30 - 11:00 p.m.
  Join us as we celebrate the beginning of our 75th year. Meet your favorite mycological colleagues and examine and purchase valuable out-of-print mycological classics, amazing vintage and artistic photos, and myriad fungal themed memorabilia.

• APS Party: Québec City – Joie de vivre!
  Tuesday, August 1 • 7:30 - 11:00 p.m.
  Celebrate another great annual meeting at the Joie de vivre! This event, which follows the Presidential Ceremony, features traditional Québec City fare, local entertainment, and networking with fellow APS attendees.

The complete schedule of events, session descriptions, and registration are online. Visit http://meeting.apsnet.org for all the details.
Biological Interactions and Biological Crossroads

Make plans TODAY to attend the APS/CPS/MSA Joint Meeting, July 29–August 2, 2006, in Quebec City, Canada. The program planning team has pulled together a diverse program that will appeal to all plant pathologists and mycologists.

APS/CPS/MSA Joint Meeting Preliminary Schedule

All Technical Sessions, Symposia, and Exhibits are located at the Quebec City Center. Events marked with an asterisk "*" are at the Hilton Quebec.

Saturday, July 29

7:30 a.m. - 5:30 p.m. Field Trip: Grosse Île: The Irish Potato Famine Revisited
7:30 a.m. - 6:00 p.m. Field Trip: Forest Pathology
8:00 a.m. - 4:30 p.m. Field Trip: Turfgrass
8:00 a.m. - 4:30 p.m. Field Trip: MSA Foray
8:00 a.m. - 5:30 p.m. Workshop: Real-time PCR Diagnostics: A Hands-on Workshop
9:00 a.m. - 12:30 p.m. Workshop: Spatial Statistics in Agricultural Research*
10:00 a.m. - 5:30 p.m. Workshop: Bayesian Data Analysis for Plant Pathology (Beginner/Intermediate)*
1:00 - 6:00 p.m. BioInformatic Tools for the Beginner/Intermediate Researcher*
2:00 - 6:00 p.m. First Timers Orientation
4:30 - 5:30 p.m. APS Committee Meetings

Sunday, July 30

7:00 - 8:30 a.m. APS-OIP 5K Fun Run/2.5K Walk
7:30 a.m. - 7:00 p.m. Registration
9:00 - 11:00 a.m. Welcome & Plenary Session
1:30 - 5:00 p.m. Oral Technical Sessions
• Epidemiology / Ecology / Environmental Biology I
• Fungi – Genetics / Molecular Biology / Cell Biology I
• Integrated Pest Management
1:30 - 5:00 p.m. Special Sessions
• Cacao Diseases: Important Threats to Chocolate Production Worldwide
• Culture Collections in the Genomics Age
• Fungal Movement: Contemporary Experimental Analysis
• Navigating Funding Agencies and Updates from the Public Policy Board
• Functional Genomics Meets Bacterial Diseases, Part III: Xanthomonas and Xylella Genomics
• Fungal Endophytes: Diversity and Function in Forest Ecosystems
• The Role of Fungi in Science and Human Affairs
3:30 - 5:00 p.m. Image Analysis for Plant Disease Quantification: A Special Demonstration of the APS Assess Image Analysis Software
5:00 - 6:30 p.m. APS General Policy Committee Meetings
5:00 - 7:00 p.m. APS 101: Early Career Professionals Informational Social*
5:00 - 7:00 p.m. APS Graduate Student Committee Meeting & Social*
5:30 - 7:00 p.m. APS Joint Committee of Women and Cultural Diversity Social*
7:00 - 10:00 p.m. Welcome Reception with Exhibits & Posters/Art in APS, APS PRESS, and APS-OIP Silent Auction (Poster Authors Present—7:30 - 9:30 p.m.)

Monday, July 31

7:30 a.m. - 4:30 p.m. Registration
7:30 a.m. - 7:00 p.m. Poster Viewing Open (Poster Authors Present—4:30 - 6:30 p.m.)
8:30 - 9:30 a.m. MSA Presidential Address
8:00 - 11:30 a.m. Oral Technical Sessions
• Diseases – Cereals, Field, and Fiber Crops
• Diseases – Turf Grasses
• Epidemiology / Ecology / Environmental Biology II
• Plant Disease Management – Host Resistance
• Viruses – Systematics / Evolution / Ecology
8:00 - 11:30 a.m. Special Sessions
• New Products and Services
• Population Biology of Oomycetes
• The Role of Type III Effectors in Bacterial Virulence
• Urban Forestry Health Management
• Water and Disease Management in Nursery and Greenhouse Production
• Syllabi: What Are Needed in Them and How Can I Improve Mine (New Date/Time: This session will be 9:30 a.m. - 12:00 p.m.)
9:00 a.m. - 7:00 p.m. APS PRESS Bookstore
11:00 a.m. - 7:00 p.m. Exhibits Open
1:00 - 4:30 p.m. Oral Technical Sessions
• Biological Control
• Disease Detection and Diagnostics
• Diseases – Fruits and Nuts
• Forest Pathology
• Bacteria – Systematics / Evolution / Ecology (1:00 - 2:30 p.m.)
• Fungi – Genetics / Molecular Biology / Cell Biology II (3:00 - 4:30 p.m.)
1:00 - 4:30 p.m. Special Sessions
• 6th I. E. Melhus Graduate Student Symposium
• Biology and Epidemiology of Seed Transmission
• Diversity of Zoosporic Fungi
• Diverse Strategies for Managing Mycotoxins
• New Regulatory Challenges: Rapid Changes in Taxonomy of Plant Pathogens
• The Effects of Climate Change on Tree Diseases Industry & Extension Social
6:30 - 10:30 p.m. Alumni Socials*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 - 9:00 a.m.</td>
<td>MSA Business Meeting with Breakfast</td>
</tr>
<tr>
<td>8:00 a.m. - 4:30 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>Oral Technical Sessions</td>
</tr>
<tr>
<td></td>
<td>• Crop Loss Assessment</td>
</tr>
<tr>
<td></td>
<td>• Fungi – Systematics / Evolution / Ecology</td>
</tr>
<tr>
<td></td>
<td>• Molecular / Cellular Plant-Microbe Interactions</td>
</tr>
<tr>
<td></td>
<td>• Viruses – Genetics / Molecular Biology / Cell Biology</td>
</tr>
<tr>
<td></td>
<td>• Phylosphere / Rhizosphere Microbiology and Ecology (8:30 - 10:00 a.m.)</td>
</tr>
<tr>
<td></td>
<td>• Post Harvest Pathology and Mycotoxicology (10:30 a.m. - 12:00 p.m.)</td>
</tr>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>Special Sessions</td>
</tr>
<tr>
<td></td>
<td>• Career Counseling for the Budding Plant Pathologist</td>
</tr>
<tr>
<td></td>
<td>• Contributions of the Chemical Industry to Crop Production</td>
</tr>
<tr>
<td></td>
<td>• Illuminating the Unique Nature of Parasitic and Free-Living Nematode Genomes</td>
</tr>
<tr>
<td></td>
<td>• Long-Term Patterns of Spread and Intensification for Forest Pathogens</td>
</tr>
<tr>
<td></td>
<td>• Signals, Pools, and Pathways to Host resistance, SAR</td>
</tr>
<tr>
<td>8:30 a.m. - 4:30 p.m.</td>
<td>Poster Viewing</td>
</tr>
<tr>
<td>9:00 - 10:00 a.m.</td>
<td>MSA Karling Lecture</td>
</tr>
<tr>
<td>9:00 a.m. - 5:00 p.m.</td>
<td>APS PRESS Bookstore</td>
</tr>
<tr>
<td>11:00 a.m. - 2:00 p.m.</td>
<td>Exhibits Open</td>
</tr>
<tr>
<td>12:00 - 1:30 p.m.</td>
<td>CPS Business Meeting with Lunch</td>
</tr>
<tr>
<td>12:30 - 1:30 p.m.</td>
<td>APS Business Meeting</td>
</tr>
<tr>
<td>1:30 - 5:00 p.m.</td>
<td>Oral Technical Session</td>
</tr>
<tr>
<td></td>
<td>• Bacteria – Genetics / Molecular Biology / Cell Biology</td>
</tr>
<tr>
<td></td>
<td>• Chemical Control I</td>
</tr>
<tr>
<td></td>
<td>• Plant Disease Management</td>
</tr>
<tr>
<td></td>
<td>• Population Genetics</td>
</tr>
<tr>
<td></td>
<td>• Fungi – Genetics / Molecular Biology / Cell Biology III (1:30 - 3:00 p.m.)</td>
</tr>
<tr>
<td></td>
<td>• Nematodes – Genetics / Molecular Biology / Cell Biology (3:30 - 5:00 p.m.)</td>
</tr>
<tr>
<td>1:30 - 5:00 p.m.</td>
<td>Special Sessions</td>
</tr>
<tr>
<td></td>
<td>• Bacterial Symbiosis of Fungi</td>
</tr>
<tr>
<td></td>
<td>• Gene Clustering as a Mechanism for Microbial Innovation</td>
</tr>
<tr>
<td></td>
<td>• Molecular Signaling in Phylosphere Interactions</td>
</tr>
<tr>
<td></td>
<td>• Phytophthora ramorum: An Environmental Threat; A Regulatory Quandary</td>
</tr>
<tr>
<td></td>
<td>• Periodic Table of Plant Pathogens Roundtable Discussion</td>
</tr>
<tr>
<td></td>
<td>• Research, Development, and Adoption of Biopesticides in the 21st Century</td>
</tr>
<tr>
<td>6:30 - 7:15 p.m.</td>
<td>APS Awards &amp; Honors Ceremony</td>
</tr>
<tr>
<td>6:30 - 11:00 p.m.</td>
<td>CPS Awards &amp; Honors Banquet</td>
</tr>
<tr>
<td>6:30 - 11:00 p.m.</td>
<td>MSA Social and Auction</td>
</tr>
<tr>
<td>7:15 - 7:30 p.m.</td>
<td>APS Presidential Ceremony</td>
</tr>
<tr>
<td>7:30 - 11:00 p.m.</td>
<td>APS Party: Québec City – Joie de Vivre!</td>
</tr>
</tbody>
</table>

### Wednesday, August 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 11:00 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>Oral Technical Sessions</td>
</tr>
<tr>
<td></td>
<td>• Chemical Control II</td>
</tr>
<tr>
<td></td>
<td>• Diseases – Ornamentals</td>
</tr>
<tr>
<td>8:30 a.m. - 12:00 p.m.</td>
<td>Special Sessions</td>
</tr>
<tr>
<td></td>
<td>• 1st International Symposium on Cercospora Leaf Spot of Sugar Beet (continued in afternoon)</td>
</tr>
<tr>
<td></td>
<td>• Detection of Invasive Pathogens in Forest and Ornamental Landscapes</td>
</tr>
<tr>
<td></td>
<td>• Evolution in the Current Taxonomy of the Straminipiles: <em>Phytophthora, Pythium, and Beyond</em></td>
</tr>
<tr>
<td></td>
<td>• Evolution of Virulence in Gram-Positive and Fastidious Bacteria</td>
</tr>
<tr>
<td></td>
<td>• Exploiting Microbial Diversity for New Agents to Biologically Control Plant Diseases: <em>Myxobacteria</em> and <em>Lyophacter</em> spp.</td>
</tr>
<tr>
<td></td>
<td>• Teaching Non-Traditional Mycology/Plant Pathology Courses for Undergraduates</td>
</tr>
<tr>
<td></td>
<td>• Population and Species Divergence in Fungi</td>
</tr>
<tr>
<td></td>
<td>• Viruses as Minimalist Pathogens: Multiplicity of Protein Functions in Pathogenesis</td>
</tr>
<tr>
<td>9:00 - 11:00 a.m.</td>
<td>APS PRESS Bookstore</td>
</tr>
<tr>
<td>1:30 - 5:00 p.m.</td>
<td>Special Sessions</td>
</tr>
<tr>
<td></td>
<td>• 1st International Symposium on Cercospora Leaf Spot of Sugar Beet</td>
</tr>
</tbody>
</table>

### 2006 APS/CPS/MSA Joint Meeting Exhibitors

Discover the latest products and services available to the industry. The following suppliers will be available to answer your questions and offer innovative suggestions. Make plans to view the latest technology in plant pathology, Sunday, July 30 – Tuesday, August 1, in the Exhibit Hall.

#### Agdia, Inc.

30380 County Rd. 6, Elkhart, IN 46514; Phone: 1.800.622.4342, Fax: +1.574.264.2153, E-mail: info@agdia.com, Web: www.agdia.com. Agdia celebrates close to 25 years of continuous service, supplying diagnostic test kits, reagents, and services to the world's agricultural industry. Its products and services include tests in various formats for the detection of plant pathogens, transgenic plant traits, and plant growth hormones. 2006 brings new additions to the Agdia lines of PathoScreen® ELISA kits, ImmunoStrip® field tests, PCR primers, and testing services.

#### AGRITECHNOVE Inc.

651 Route Bégin, St. Anselme, QC G0R 2N0, Canada; Phone: +1.418.885.9595, Fax: +1.418.885.4957, E-mail: info@agritechnove.com, Web: www.agritechnove.com. Agritechnove is a consulting firm specialized in the design of research and institutional growth facilities for plants and insects (research greenhouses, tissue culture rooms, custom designed growth rooms, insect rearing, conservatories). For new installations or modernization work, services include technical assessments, programming, cost evaluations, drawings, specifications, and construction supervision.

#### AnzenBio, LLC

2475 W. California Ave., Salt Lake City, UT 84104-4525; Phone: +1.801.972.6800, Fax: +1.801.972.6801, E-mail: jcrocker@anzenbio.com, Web: www.anzenbio.com. AnzenBio specializes in producing instrumentation and consumables for biological testing. Its products include kits for both antibody and molecular (PCR) detection of agricultural pathogens.

2006 Exhibitors continued on page 74

Phytopathology News 73
Arysta LifeScience North America Corporation

Suite 150, 15401 Weston Parkway, Cary, NC 27513; Phone: +1.919.678.4900, Fax: +1.919.678.2194, E-mail: chuck.schiller@arystatelife.com, Web: www.arysta-na.com. Arysta LifeScience North America Corporation, a group member of Arysta LifeScience, is an entrepreneurial provider of unique crop protection solutions such as ELEVATE®, CAPTEVATE™, EVEREST™, EVITO™, BATTALION™, and CHLOROPICRIN. For further information, please visit the company’s website at www.arysta-na.com. CAPTEVATE is a pending registration trademark of Arysta LifeScience North America.

BASF: The Chemical Company

Agricultural Products, 26 Davis Dr., Research Triangle Park, NC 27709; Phone: 1.800.326.1810, Fax: +1.919.547.2433, Websites: www.agproducts.basf.com, www.SoybeanRustInfo.com, or www.turffacts.com. Built on the strength of the world’s leading chemical company, BASF Agricultural Products is a technology leader in crop protection and professional turf management. The BASF portfolio includes Cabrio® EG, Headline®, Endura®, and Pristine® fungicides in agricultural production and Insignia® and Emerald® fungicides in professional turf. These products feature the active ingredients pyraclostrobin (F500®) and bosalid. Charter™ cereal seed treatment fungicide (active ingredient triticonazole) is a recent addition to the portfolio.

Bayer CropScience

2 T.W. Alexander Dr., P.O. Box 12014, Research Triangle Park, NC 27709; Phone: +1.919.549.2000, Fax: +1.919.549.3952, E-mail: roger.kaiser@bayercropscience.com, Web: www.bayercropscience.com. A global company with headquarters in Monheim, Germany, and annual sales of about EUR 6 billion, it is a world leader in innovative crop science. With focus on crop protection, nonagricultural pest control, seeds and plant biotechnology, Bayer CropScience offers an outstanding range of products and services serving modern sustainable agriculture. Bayer’s workforce of over 19,000 employees, in more than 120 countries, is committed to implementing our values of openness, honesty, integrity, sustainability of our actions, and respect for people and nature.

Bio-Synthesis, Inc.

612 E. Main St., Lewisville, TX 75057; Phone: +1.972.420.8505, Fax: +1.972.420.0442, E-mail: heidi@biosyn.com, Web: www.biosyn.com. We provide synthetic custom peptides, antibodies, bioconjugates, PNA, DNA, custom organic, and other molecular reagents. Specializing in custom peptide synthesis from small to large scale, we can help you design the optimal peptides for your research needs at the most competitive price and the highest quality. We have capabilities to synthesize over 500 peptides simultaneously with over 20 years of experience. We believe our quality control and speed is unmatched in the industry.

Blackwell Publishing

350 Main St., Malden, MA 02148; Phone: 1.800.759.6102, E-mail: sfagan@bos.blackwellpublishing.com, Web: www.blackwellpublishing.com.

CABI

Nosworthy Way, Wallingford, Oxon, OX10 8DE, United Kingdom; Phone: +44 1491 832111, Fax: +44 1491 829198, E-mail: publishing@cab.org, Web: www.cabi.org. CABI improves people’s lives worldwide by providing information and applying scientific expertise to solve problems in agriculture and the environment. To find out what we do to meet our mission, please have a look at ‘CABI in review 2005’ on www.cabi.org.

Cerexagri - Nisso, LLC

Suite 402, 630 Freedom Business Center, King of Prussia, PA 19406; Phone: +1.610.491.2872, Fax: +1.610.491.2850, E-mail: beth.sears@cerexagri.com, Web: www.cerexagri-nisso.com.

Conviron

590 Berry St., Winnipeg, MB R3H 0R9, Canada; Phone: +1.204.786.6451, Fax: +1.204.786.7736, E-mail: info@conviron.com, Web: www.conviron.com. Conviron has been a leading supplier of controlled environment chambers for over 40 years and is the only plant growth chamber manufacturer certified as an ISO 9001 company. All standard products are also CSA/NRTL certified as meeting all OSHA electrical safety standards. Our product line includes growth chambers and rooms, tissue culture chambers, seed germinators, incubators, research greenhouses, and related products for the precise control of environmental conditions. Host computer systems allow remote programming, monitoring, and diagnostics.

DuPont Agriculture and Nutrition

Suite 300, 8295 Tournament Dr., Memphis, TN 38125; Phone: +1.901.746.6000, E-mail: www.dupont.com.corp.contacts.html, Web: www.dupont.com/ag/. DuPont Crop Protection serves production agriculture with herbicide, fungicide, and insecticide products and services for the grain, specialty crops, forestry, and vegetation management. Headquartered in Wilmington, Delaware, DuPont Crop Protection is part of the overall Agriculture & Nutrition business, whose mission is to best satisfy the world’s need for food and nutrition by transforming the ways renewable resources are grown, processed, and distributed.

Enconair, Bio Chambers Incorporated

477 Jarvis Ave., Winnipeg, MB R2W 3A8, Canada; Phone: +1.204.589.8900, Fax: +1.204.582.1024, E-mail: info@enconair.com, Web: www.enconair.com.

EnviroLogix Inc.

500 Riverside Industrial Pkwy., Portland, ME 04103; Phone: +1.800.797.7533, E-mail: info@envirologix.com, Web: www.envirologix.com.

Environmental Growth Chambers

510 E. Washington St., Chagrin Falls, OH 44022-4448; Phone: 1.800.321.6854, Fax: +1.440.247.8710, E-mail: spriggs@egc.com, Web: www.egc.com. Environmental Growth Chambers (EGC) has the largest selection of plant growth chambers of any company worldwide. We also produce controlled environmental rooms, tissue culture chambers, lighted and refrigerated biological incubators, shelf-lighted rooms, gas exchange chambers, hydroponics systems, day-lit chambers, and root zone cabinets. Please stop by and discuss your upcoming project requirements.

Gylling Data Management, Inc.

405 Martin Blvd., Brookings, SD 57006; Phone: +1.605.693.4150, Fax: +1.605.693.4180, E-mail: staff@gdmdata.com, Web: www.gdmdata.com. Research management software since 1982. Use ARMS software to establish, manage, analyze, and report information for crop protection research trials. ARMS version 7 is more flexible and easier to use and includes new features such as AUDPC calculation and graph, one button export of reports to Word or Excel, and Undo. New for 2006: Data collection software for small handheld computer and Summary Across Trials (ARM ST 7) multi-trial summarization software. Free demonstration version of ARMS available.
**Diagnostics Committee's Plant Disease Diagnosis Contest.**

The contest is designed in “Jeopardy” format, with different categories/topics. Questions may be answered Sunday and Monday. Answers will be posted on Tuesday so you can see how you did. Stop by and have some fun.

**Weber Scientific, Inc.**

3620 S. Industrial Dr. East, Plainfield, IL 60586; Phone: +1.815.436.4440, Fax: +1.815.436.4460, E-mail: info@specmeters.com, Web: www.specmeters.com. Spectrum Technologies, Inc. offers affordable devices to measure nutrient levels, soil qualities, light, weather, and other factors affecting plant growth. Our WatchDog weather stations and data loggers make it easy to record weather events and conditions. Over 15,000 customers count on Spectrum's easy-to-use, dependable technology for their growing needs.

**Springer**

233 Spring St., New York, NY 10013; Phone: +1.212.460.1600, Fax: +1.201.348.4505, E-mail: exhibits-ny@springer.com, Web: www.springer.com.

**STA Laboratories, Inc./BIOREBA AG**

PO. Box 1257, Longmont, CO 80504; Phone: +1.303.651.6417, Fax: +1.303.772.4003, E-mail: judit.monis@stalabs.com, Web: www.stalabs.com. STA Laboratories, Inc. and BIOREBA AG are partners in providing agro-diagnostic products and services for results you can trust. STA Laboratories, a leading independent lab, is the exclusive distributor of BIOREBA products in the U.S. STA Plant Health Services offers effective disease resistance screening, plant pathogen diagnosis, and disease eradication services for the horticultural, viticultural, and ornamental industries. BIOREBA's R&D laboratory develops and produces reagents and complete ready-to-use kits for the detection of plant pathogens.

**USDA APHIS PPQ Center for Plant Health Science and Technology**

Suite 400, 1730 Varsity Dr., Raleigh, NC 27607; Phone: +1.919.855.7548, Fax: +1.919.855.7480, E-mail: greg.r.parra@aphis.usda.gov, Web: http://cphst.aphis.usda.gov. CPHST identifies and evaluates pathways used by invasive plant pests and the potential risks they pose to American agriculture and natural resources. CPHST works to develop, adapt, and support technologies for effective and efficient detection, identification, and mitigation of exotic pests. Programs include Agricultural Quarantine Inspection and Port Technology, Integrated Pest Management and Emergency Programs, Molecular Diagnostics and Biotechnology, Risk and Pathway Analysis, and Survey Detection and Identification.

---

**Interested in Exhibiting?**

Connect with your customers at the 2006 APS/CPS/MSA Joint Meeting

**Space is Limited—Reserve Your Exhibit TODAY!**

[http://meeting.apsnet.org/exhibitors](http://meeting.apsnet.org/exhibitors) or contact Rhonda Wilkie • rwilkie@scisoc.org • +1.651.994.3820
Professor Jack Rogers, Department of Plant Pathology at Washington State University (WSU), received the University's Eminent Faculty Award at a ceremony on March 24. This is the highest honor given to a WSU faculty member. Rogers is the sixth recipient of the award, which recognized his many contributions as an outstanding teacher and leading researcher on the taxonomy and biology of pyrenomycetous fungi.

The Department of Plant Pathology, Washington State University (WSU), hosted two invited speakers in March. Judith K. Brown, professor in the Department of Plant Sciences, University of Arizona, visited the department to meet with students and faculty and gave a seminar on the role of divergent Cl-bacteria on Bemisia tabaci's host preference and geographical isolation. Brown received her B.S. degree from Texas A&M, her M.S. degree from WSU, and her Ph.D. degree from the University of Arizona. She received WSU-CAHNRS' Women's History Month Distinguished Alumnus Award in 2005.

James W. Moyer, professor and head, Department of Plant Pathology, North Carolina State University, Raleigh, NC, also visited the department. Moyer, a native of Washington State, received his B.S. degree from WSU and his M.S. and Ph.D. degrees from Pennsylvania State University. He met with students and faculty and gave a seminar on the molecular genetics of host adaptation of Tomato spotted wilt virus.

More than 30 scientists from several land grant universities, industry, state seed certification agencies, USDA-ARS, and USDA-APHIS met to discuss and review the current situation regarding viral diseases of potato. Several research presentations were made by the members. The meeting was organized by the Committee's Chair.


Hanu Pappu, Washington State University, Pullman, WA. Office bearers for the coming year are Juan Alvarez (chair), University of Idaho, Aberdeen, ID; Jim Crosslin (vice chair), USDA-ARS, Prosser, WA; and Steve Marquardt (secretary), North Dakota State University, Seed Department, Fargo, ND. The administrative advisor is Greg Bohach, director of the Idaho Agricultural Experiment Station.

Michael Fidanza, associate professor of horticulture, Pennsylvania State University, has received the Dr. David and Cheryl Casnoff Endowment for Innovative Turfgrass Science and Landscape Ecology. The endowment’s primary mission is to support new or novel research, teaching, and outreach in the areas of turfgrass science and ecology, as well as environmental stewardship in lawn and landscape. The endowment will support the research, undergraduate teaching, and outreach efforts of Fidanza at the Penn State Berks Campus, in Reading, PA. Current research areas include turfgrass pathology and other aspects of turfgrass science. The endowment, currently valued at more than $1 million, is a planned gift from Dr. David and Cheryl Casnoff, of Annapolis, MD. Casnoff is an alumnus of Penn State and currently president of Casnoff-Austen-Casnoff and Associates, an international consulting firm based in Annapolis, MD.

James F. Tammen has been named professor emeritus of plant pathology at Pennsylvania State University. Penn States’ administration chose to grant him emeritus status even though he did not formally retire from that institution, citing the impact of his distinguished career and his continued long-term involvement in the Department of Plant Pathology. Tammen’s association with Penn State began in 1956, when he joined the Botany and Plant Pathology Department. In 1963, he became the first head of the newly constituted Plant Pathology Department, and over the ensuing 13 years, he provided visionary leadership that elevated the department to national recognition. From 1976 to 1981, he served as dean of the College of Agriculture at the University of Minnesota. He has served as adjunct professor at Penn State for the past 17 years. Tammen is a fellow and former president of APS.

Steve Rideout joined Virginia Polytechnic Institute and State University (VPI&SU) in November as an assistant professor at the Eastern Shore Agricultural Research and Extension Center in Painter, VA. Rideout’s research and extension program in Painter focuses on identification, control, and epidemiology of vegetable diseases. He received his B.S. degree in botany from North Carolina State University in 1995. He received his M.S. degree in plant pathology from VPI&SU in 1998 under the direction of Charles S. Johnson, where his research focused on population differences of the tobacco cyst nematode (Globodera tabacum solanacearum). Rideout received his Ph.D. degree in plant pathology from the University of Georgia (UGA) in 2002. His advisor was Tim B. Brenneman at the Coastal Plain Experiment Station in Tifton, GA. His research at UGA focused on epidemiology and control of Sclerotium rolfsii on peanut. He formerly worked as a research and development scientist for Syngenta Crop Protection based in Leland, MS.

Brandon Horvath joined the Department of Plant Pathology, Physiology, and Weed Science at Virginia Polytechnic Institute and State University (VPI&SU) in January 2006 as an assistant professor in turfgrass pathology. He received both his M.S and Ph.D. degrees in plant pathology from Michigan State University. Prior to his graduate work, he received his B.S. degree from Ohio State University in agronomy with a minor in plant pathology. He plans to conduct research focused on developing disease management strategies for the major turfgrass pathogens that are encountered throughout the Commonwealth of Virginia. These pathogens include brown patch (Rhizoctonia solani), Pythium blight (Pythium spp.), and dollar spot (Sclerotinia homoeocarpa). Areas of interest include 1) development of cultural and chemical methods for managing brown patch on tall fescue with reduced fungicide inputs; 2) screening...
Assistant Professor Soybean Systems & Extension Specialist

A position in soybean production systems management located at the University of Illinois at Urbana-Champaign with emphasis on addressing production problems and enhancing grain quality for improved market potential of soybean in Illinois and the U.S. Midwest. A 9-month tenure-track position with summer appointment opportunity; 60% extension and 40% research. Responsibilities include developing nationally recognized extension and research programs that address problems and opportunities in soybean production, management options, and economic and environmental impacts. The incumbent will be expected to collaborate with scientists, develop an externally funded research program, integrate findings from ongoing and new research, disseminate information to soybean producers, advise graduate students, and interact with relevant commodity groups. Position requires a Ph.D. in crop science or related discipline; excellent communication and problem solving skills; and an aptitude for initiating and completing research projects through to publication. Salary: Commensurate with training and experience. Closing Date: September 1, 2006 (This closing date is not adjustable.) Applicants need to send an application package consisting of an introductory cover letter, curriculum vitae, statement of research and extension/outreach experience and goals, certified undergraduate and graduate transcripts, and three letters of reference. Cite position number 04/06A when applying. Contact: Dr. Robert G. Hoeft, Department of Crop Sciences, 1102 South Goodwin Avenue, Urbana, IL 61801. Web: www.cropsci.uiuc.edu.

David G. Schmale III

David G. Schmale III joined the Department of Plant Pathology, Physiology, and Weed Science at Virginia Polytechnic Institute and State University (VPI&SU) as an assistant professor of mycotoxicology and fungal plant pathology in March 2006. He received his Ph.D. degree in plant pathology in November from Cornell University under the direction of Gary Bergstrom. His research at VPI&SU will program bridge concepts in plant pathology, aerobiology, and crop and food safety and security. Current research projects in his laboratory include monitoring the long-distance movement and survival of airborne plant pathogens, investigating the origin and distribution of plant pathogen populations, implementing strong monitoring and disease control programs for airborne plant diseases, and detecting toxin-producing plant pathogens that threaten the health of humans and domestic animals. David’s wife, Jessica M. Schmale, recently joined the Department of Mathematics as an adjunct faculty member at the same institution.

Classifieds

Classified Policy

You can process your job listing at www.apsnet.org/careers/jobpost.asp. Your posting will be live within 3-5 business days and will remain on the website for up to three months or until a listed closing date, at which point it will drop off the list. Fees for posting online are $25 member/$50 nonmember for graduate or post-doc positions and $200 member/$250 nonmember for all other positions. To have your job listing also included in Phytopathology News, simply select the option on the online form (there is an additional $30 fee). If you have any questions contact the APS Placement Coordinator (apsplacement@scisoc.org).

Assistant Professor Soybean Systems & Extension Specialist

A position in soybean production systems management located at the University of Illinois at Urbana-Champaign with emphasis on addressing production problems and enhancing grain quality for improved market potential of soybean in Illinois and the U.S. Midwest. A 9-month tenure-track position with summer appointment opportunity; 60% extension and 40% research. Responsibilities include developing nationally recognized extension and research programs that address problems and opportunities in soybean production, management options, and economic and environmental impacts. The incumbent will be expected to collaborate with scientists, develop an externally funded research program, integrate findings from ongoing and new research, disseminate information to soybean producers, advise graduate students, and interact with relevant commodity groups. Position requires a Ph.D. in crop science or related discipline; excellent communication and problem solving skills; and an aptitude for initiating and completing research projects through to publication. Salary: Commensurate with training and experience. Closing Date: September 1, 2006 (This closing date is not adjustable.) Applicants need to send an application package consisting of an introductory cover letter, curriculum vitae, statement of research and extension/outreach experience and goals, certified undergraduate and graduate transcripts, and three letters of reference. Cite position number 04/06A when applying. Contact: Dr. Robert G. Hoeft, Department of Crop Sciences, 1102 South Goodwin Avenue, Urbana, IL 61801. Web: www.cropsci.uiuc.edu.

Associate Plant Nematologist

The successful candidate responsibilities are: 1) identification of plant-parasitic, insect-parasitic, and free-living nematodes; 2) develop methods of laboratory sample processing and specimen examination for identification; 3) design, develop, and conduct research in the area of nematode identification and taxonomy using molecular and classical methods; 4) prepare reports of research findings for technical peer-reviewed publications; 5) advise the department on matters pertaining to turfgrass germ plasm for potential resistance to major turfgrass pathogens; and 3) evaluating the impact water use and water use efficiency play in turfgrass disease development to employ strategies that manage turfgrass diseases through better irrigation management.

Classifieds continued on page 78

BIOREBA

PRODUCTS ARE DISTRIBUTED IN THE USA BY

STA Laboratories

to new plant-parasitic nematode quarantines or changes in such quarantines and on the status of existing non-exotic plant-parasitic nematode problems; 6) perform risk analyses to determine potential harm to CA agriculture due to damages/injuries caused by plant-parasitic nematodes; 7) diagnose plant injuries or diseases caused by nematodes; 8) compile and maintain library files of biological and taxonomic information about plant-parasitic nematodes in hard copy and electronic formats; and 9) evaluate most appropriate methods for processing specimens. Requirements for the position include direct processing of plant, soil, and water samples for presence of plant-parasitic nematodes; possession of a master's degree or equivalency from an accredited college or university in plant pathology (or an equivalent degree approved by the CA superintendent of public instruction under the provisions of CA education code section 94310) in the field of nematology, entomology, parasitology, or other closely related science including at least 20 units in nematology consisting of courses in nematode identification, taxonomy, pathogenicity, morphology, plant pathology, botany, genetics, and chemistry; AND two years of identification and research experience in plant nematology gained after obtaining a master's degree OR possession of a doctoral degree or its equivalency from an accredited college or university (or an equivalent degree approved by the CA superintendent of public instruction under the provisions of CA education code section 94310) in plant pathology, entomology, parasitology, or other closely related science with a specialization in nematology and including at least 20 units in nematology consisting of courses in nematode identification, taxonomy, pathogenicity, morphology, plant pathology, botany, genetics, and chemistry. Salary: $4,316 to $5,208 Closing Date: June 8, 2006. Send resume, or CV, and completed application form 678 (request form via e-mail). Contact: Timothy Tidwell, CDFA Plant Pest Diagnostics Center, 3292 Meadowview Road, Sacramento, CA 95832 U.S.A. Fax: +1.916.262.1010; E-mail: tidwell@cdfa.ca.gov; Phone: +1.916.262.1132; Web: www.cdfa.ca.gov/ppps/ppd/.

Assistant Professor

Develop a strong, externally funded research program (tenure track, 90% research and 10% teaching, full-time 12-month position) emphasizing applied plant pathology and participate actively in graduate education. Research emphasis will include, but not necessarily be limited to, practical disease problems of soybeans and grain sorghum. The successful candidate will be expected to work closely with the grain sorghum and soybean breeders in the Department of Agronomy. Teaching requirements will include a course emphasizing principles of applied plant pathology. Required: Ph.D. in plant pathology or a closely related field and excellent written and oral communication skills. Ability to work well in a multicultural setting placing high value on diversity and collegiality. Preferred: Post-doctoral experience with soybean or grain sorghum diseases and Great Plains crop production systems. Teaching experience at the college level. Demonstrated experience in grant writing and obtaining extramural funding. Experience in leading or working as part of an interdisciplinary research team. Salary: Competitive. Closing Date: August 15, 2006 (This closing date is open until the position is filled.) Cover letter outlining qualifications, CV, undergraduate and graduate transcripts, statements of research and teaching interests, and three letters of recommendation sent directly from the reference. Contact: William Bockus, Kansas State University, Dept. of Plant Pathology, Throckmorton Hall, Manhattan, KS 66506-5502 U.S.A. Fax: +1.785.532.5692; E-mail: Bockus@ksu.edu; Phone: +1.785.532.1378; Web: www.plantpath.ksu.edu/.

Postdoctoral Research Associate

Incumbent will work with collaborating researchers at Johns Hopkins School of Medicine and Purdue University to characterize transcriptional circuits controlling pathogenicity-related development in the rice blast pathogen Magnaporthe grisea. Specifically, the incumbent will work to annotate the finished M. grisea genome for the complete set of transcription factors, clone selected transcription factors into yeast expression cassettes, assist in the development of a whole genome tiling array, and perform ChIP-chip studies on transcription factors shown to be phosphorylated by selected kinases. This is a USDA-NRI-funded position with a duration of up to three years, renewable annually dependent on satisfactory performance and continuation of funding. Compensation is commensurate with experience. Applicants must have a Ph.D. in a biological or related science. Experience with annotation tools and modern molecular biology techniques are required. AA/EOE, NC State University welcomes all persons without regard to sexual orientation. For ADA accommodations, please contact the department at +1.919.515.2730. Salary: DOE. Closing Date: June 30, 2006 (This closing date is open until the position is filled.) Qualified candidates can only apply through the NC State online application system at www.ncsu.edu/jobs/ with position number 01-12-0608. Contact: Marci Walker, North Carolina State University, Dept. of Plant Pathology, Gardner Hall #3419, Campus Box 7616, Raleigh, NC 27695 U.S.A. E-mail: marci_walker@ncsu.edu; Phone: +1.919.515.6498; Web: www.cifr.ncsu.edu.

Pest Manager

Duties include: Pesticide management program for plants on the grounds, in the production greenhouse, and in the conservatory. Leader in research programs related to IPM on ornamental plants. Oversee IPM program. Conduct adult education programs. Provide leadership to Butterfly Exhibit and in regulatory compliance, including Michigan Right-to-Know Law, EPA Worker Protection Standards, and State and Federal Pesticide Laws. Master's degree in entomology or plant pathology required. Salary: Commensurate with experience. Closing Date: July 11, 2006 (This closing date is not adjustable.) Send or e-mail resume and references. Contact: Douglas Chapman, The Dow Gardens, 1018 W. Main St., Midland, MI 48640 U.S.A. E-mail: chapman@dowgardens.org; Web: www.dowgardens.org.

Supervisory Research Ecologist/Entomologist/Plant Pathologist/Agronomist

The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Crop Protection & Management Research Unit, Tifton, GA, is seeking a permanent full-time supervisory research ecologist/entomologist/plant pathologist/agronomist, GS-14/15. In addition to research duties, the incumbent, as research leader, is responsible for exercising leadership, including the management of human, fiscal, and physical resources. Specific research objectives include one or more of the following: development of integrated farm-level cropping systems involving integrated pest management approaches that increase the abundance and effectiveness of natural enemies of pests and take advantage of the inherent strengths of southern agroecosystems; development and testing of ecological principles that lead to effective and sustainable management of crop pests; elucidation of the mechanisms of interactions among soil microbial populations, soilborne diseases, and pests (e.g., nematodes); elucidation of mechanisms of host-plant resistance in southern crops for resistance to multiple pests and aflatoxin-producing organisms; and development and testing of methods for genetically based and other biologically based controls of multiple pests. Salary: Range of $87,533 to $133,850. Closing Date: June 26, 2006 (This closing date is not adjustable.) For details and application directions, see www.ars.usda.gov/divisions/hrd/index.html. To have a printed copy mailed, call Debbie Padgett at +1.229.386.3498. U.S. citizenship is required. USDA/ARS is an equal opportunity employer and provider.

More Jobs Online at www.apsnet.org/careers/jobfind.asp
Phytopathology
June 2006, Volume 96, Number 6
Influence of Ring Nematode Infestation and Calcium, Nitrogen, and Indoleacetic Acid Applications on Peach Susceptibility to Pseudomonas syringae pv. syringae.

Stock-Type Susceptibility and Delineation of Treatment Areas for a Cryptic Pinus radiata Root Disease.

Distribution of Mycelial Colonies and Lesions in Field-Grown Barley Inoculated with Fusarium graminearum.

Spatial Relationships of Soil Texture and Crop Rotation to Aspergillus flavus Community Structure in South Texas.

Identification and Quantification of Pathogenic Pythium spp. from Soils in Eastern Washington Using Real-Time Polymerase Chain Reaction.

Heritability and Components of Resistance to Cercospora zeae-maydis Derived from Maize Inbred VO613Y.

Phylogenetic Analyses of Phytopathogenic Isolates of Verticillium spp.

An Assessment Model for Rating High-Threat Crop Pathogens.

Characterization of Four Viral Species Belonging to the Family Potyviridae Isolated from Ranaenus asiaticus.

Molecular Identification, Reverse Transcription Polymerase Chain Reaction Detection, Host Reactions, and Specific Cytopathology of Artichoke yellow ringspot virus Infecting Onion Plants.

Fusarium-Induced Diseases of Tropical, Perennial Crops.

Fusarium Wilt of Banana Is Caused by Several Pathogens Refered to as Fusarium oxysporum f. sp. cubense.

Pith Canker Disease of Pines.

A Review of Fusarium Wilt of Oil Palm Caused by Fusarium oxysporum f. sp. elaeidis.

Current Knowledge of Coffee Wilt Disease, a Major Constraint to Coffee Production in Africa

Mango Malformation Disease and the Associated Pathogens.

Fusarium Species from the Cassava Root Rot Complex in West Africa.

Plant Disease
June 2006, Volume 90, Number 6
Fusarium Wilt of Cotton: Population Diversity and Implications for Management.

Assessment of Regional Site-Specific Sorghum Ergot Severity Potential Using Radar-Rainfall Measurement.

Evaluation of Virulence of Phakopora pachyrhizus and P. mebotiniae Isolates.

Weather Factors Associated with Development of Sorghum Ergot in the Texas Panhandle.

Widespread Occurrence of Wheat spindle streak mosaic virus in Belgium.

Localized Distribution of Iris yellow spot virus Within Leeks and Its Reliable Large-Scale Detection.

Distribution of Chrysosporite Canker Pathogens on Eucalyptus and Syzygium spp. in Eastern and Southern Africa.

An Improved Method for Infecting Tomato Leaves or Seedlings with Oospores of Phytophthora infestans Used to Investigate F1 Progeny.

Oocinulum Sources of Bryotis cinerea Important to Peach Orchards in Oregon.

Timing Fungicide Applications for Managing Sclerotinia Stem Rot of Potato.

Population Dynamics of Phialophora gregata in Stem Residue of a Resistant and a Susceptible Soybean Cultivar.

Mutation at β-Tubulin Codon 200 Indicated Thiamendazole Resistance in Pseudocercospora digitata Collected from California Citrus Packinghouses. Resistance Conferred by the Ht1 Gene in Sweet Corn Infected by Mixtures of Virulent and Avirulent Exserohilum turcicum.

Transmission of Potato virus Y in Tobacco Plants by Myzus persicae nisticiana and M. persicae s.str.

Real-Time PCR Assays for Detection and Quantification of Sweetpotato Viruses.

Spatial Pattern of Verticillium Wilt in Commercial Mint Fields.

Control of Bacterial Wilt of Geranium with Phosphorous Acid.

Seed Transmission of Cephalosporium gramineum in Winter Wheat.

Fungicide Sensitivity of Sclerotinia homoeocarpa from Golf Courses in Ohio. Vector Specificity, Host Range, and Genetic Diversity of Tomato chlorosis virus.

Comparative Efficacy, Selection of Effective Partners, and Application Time of Strobilurin Fungicides for Control of Cercospora Leaf Spot of Sugar Beet.

First Report of Cotton Leaf Curl Disease in Central and Southern Sindh Province in Pakistan.

Overwinter and Survival of Asian Soybean Rust Caused by Phakopora pachyrhizus in Volunteer Soybean Plants in Entre Rios Province, Argentina.

First Report of Puccinia norhi on Maize in Oman.

Geraldton Wax as a New Host for Agrobacterium tumefaciens in Argentina.


First Report of Powdery Mildew Caused by Leveillula clavata on Poinsettia (Euphorbia pulcherrima) in Italy.

First Report of Root-Knot Nematode Meloidogyne javanica on Chrysanthemum in Colombia.

First Report of Beet black scorch virus in the United States.

First Report of Hop stunt virus in Apricot in China.

Sclerotinia Petiole and Crown Rot of Celery Caused by Sclerotinia minor in California.


Occurrence of Bacterial Fruit Blotch of Watermelon Caused by Acidovorax avenae subsp. citrulli in the Eastern Mediterranean Region of Turkey.

Pseudomonas viridiflava Causing Necrotic Leaf Spots and Defoliation on Hebe spp. in Northern Spain.

First Report of Pyrism aphidum in Basella rubra in Japan.

Sauandaea salicifolia Powder Mildew of Norway Maple (Acer platanoides) in North America.

First Report of Stolbur Phytoplasma (16SXLII-A) on Strawberry in Northern Italy.

Molecular Characterization of a Distinct Tomato-Infesting Begomovirus Associated with Yellow Leaf Curl Disease in Tomato in Lembang, Java Island of Indonesia.

First Report of Powdery Mildew Caused by Erysiphe (Golovinomyces) omontii on Veronica spicata in Italy.

Strains of Leptosphaeria maculans with the Capacity to Cause Crown Canker on Brassica carinata are Present in Western Australia.


First Report of “Candidatus Phytoplasma astieri”-Related Strains in Brassica napus in Saskatchewan, Canada.

Occurrence of Fusarium Wilt Caused by Fusarium oxysporum on Common Sage in Argentina.

First Report of Leaf Spot Caused by a Ceratosporiella sp. on Asparagus officinalis in the United States.

Alternanthera mosaic virus found in Scutellaria, Crossandra, and Portulaca spp. in Florida.

First Report of Lethal Yellowing Disease of Coconut Palms Caused by Phytoplasma on Nevis Island.

First Report of Soybean Rust Caused by Phakopora pachyrhizus on Kudzu (Pueraria montana var. lobata) in Kentucky.

Occurrence of Arum mosaic virus in Hostas in the United States.

Occurrence of Botryosphaeria obtusa, B. dothidea, and B. parvit Associated with Grapevine Trunk Diseases in Castilla y León Region, Spain.

MPMI
June 2006, Volume 19, Number 6
cDNA-AFLP Combined with Functional Analysis Reveals Novel Genes Involved in the Hypersensitive Response.

Arabidopsis Displays Centromeric DNA Hypomethylation and Cytological Alterations of Heterochromatin Upon Attack by Pseudomonas syringae.

Overexpression of a 3-Ketoacyl-CoA Thiolase in Lepinopora maculans Causes Reduced Pathogenicity on Brassica napus.

Induction of Lateral Root Structure Formation on Petunia Roots: A Novel Effect of SORRIBOSIUM prae25a, and Indoleacetic Acid Kinase Inhibitors.

Cytokinin-Induced Apical Resistance Involves Salicylic Acid and Nitrogen-Activated Protein Kinase Signaling Cascades.

The Arabidopsis thaliana Transcrriptome in Response to Agrobacterium tumefaciens.

Calcineurin Is Required for Sclerotial Development and Pathogenicity of Sclerotinia sclerotiorum in an Oxalic Acid-Independent Manner.

The Plant Health Instructor
www.apsnet.org/education

Introduction to Plant Viruses, the Invisible Foe. Soil-borne Wheat Mosaic Virus.

Plant Management Network
www.plantmanagementnetwork.com

Crop Management
Determining the Extent of Frost Damage in Maize Seed Using the Tetrazolium Test.
## Calendar of Events

### APS Sponsored Events

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2006</td>
<td>7-9 — Northeastern Division Meeting. Burlington, VT.</td>
<td><a href="http://www.apsnet.org/members/div/northeastern">www.apsnet.org/members/div/northeastern</a></td>
</tr>
<tr>
<td>29-December 1 — National Soybean Rust Symposium. St. Louis, MO.</td>
<td></td>
<td><a href="http://www.apsnet.org/online/SBR/">www.apsnet.org/online/SBR/</a></td>
</tr>
<tr>
<td>August 2006</td>
<td>5-9 — Plant Biology 2006. Boston, MA.</td>
<td></td>
</tr>
<tr>
<td>28-September 5 — International Powdery Mildew Conference. Monterey, CA.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>August 2006</td>
<td>2-5 — Iranian Plant Protection Congress. Tehran, Iran (<a href="mailto:iranppn@yahoo.com">iranppn@yahoo.com</a>)</td>
<td></td>
</tr>
<tr>
<td>8-19 — NATO Advanced Study Institute – Novel biotechnologies for biocontrol agent enhancement and management. Gualdo Tedino (Perugia), Italy.</td>
<td><a href="http://www.ispa.cnr.it/NATO-ASI">www.ispa.cnr.it/NATO-ASI</a></td>
<td></td>
</tr>
<tr>
<td>11-15 — International Grapevine Trunk Disease Conference. Davis, CA. (<a href="mailto:wdgbuoler@ucdavis.edu">wdgbuoler@ucdavis.edu</a>)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>October 2006</td>
<td>2-6 — 54th Annual Western International Forest Disease Work Conference. Smithers, BC, Canada. <a href="http://www.fs.fed.us/foresthealth/technology/wif/">www.fs.fed.us/foresthealth/technology/wif/</a></td>
<td></td>
</tr>
<tr>
<td>10-14 — The Biology of Transpiration. Snowbird, UT. <a href="http://www.aspb.org/meetings/transpiration06">www.aspb.org/meetings/transpiration06</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-18 — International Research Symposium on Butternut Canker Disease. Niagara Falls, Ontario, Canada. (<a href="mailto:cash@fs.fed.us">cash@fs.fed.us</a>)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Other Upcoming Events

<table>
<thead>
<tr>
<th>Month</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-14 — American Peanut Research and Education Society. Savannah, GA. <a href="http://www.aps.oxstate.edu/">www.aps.oxstate.edu/</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-14 — 2006 International Spinach Conference. LaConner, WA. <a href="http://capps.wsu.edu/calendar">http://capps.wsu.edu/calendar</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-20 — Huanglongbing Workshop Internacional. Ribeirão Preto, São Paulo, Brazil. <a href="http://www.huanglongbing.com.br/">www.huanglongbing.com.br/</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-21 — XVth Congress of the Federation of European Societies of Plant Biology. Lyon, France. <a href="http://www.fespb2006.org">www.fespb2006.org</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>August 2006</td>
<td>1-5 — Northeastern Division Meeting. Burlington, VT.</td>
<td><a href="http://www.apsnet.org/members/div/northeastern">www.apsnet.org/members/div/northeastern</a></td>
</tr>
<tr>
<td>November 2006</td>
<td>7-9 — Northeastern Division Meeting. Burlington, VT.</td>
<td><a href="http://www.apsnet.org/members/div/northeastern">www.apsnet.org/members/div/northeastern</a></td>
</tr>
<tr>
<td>29-December 1 — National Soybean Rust Symposium. St. Louis, MO.</td>
<td></td>
<td><a href="http://www.apsnet.org/online/SBR/">www.apsnet.org/online/SBR/</a></td>
</tr>
<tr>
<td>28-September 5 — International Powdery Mildew Conference. Monterey, CA.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>September 2006</td>
<td>2-5 — Iranian Plant Protection Congress. Tehran, Iran (<a href="mailto:iranppn@yahoo.com">iranppn@yahoo.com</a>)</td>
<td></td>
</tr>
<tr>
<td>8-19 — NATO Advanced Study Institute – Novel biotechnologies for biocontrol agent enhancement and management. Gualdo Tedino (Perugia), Italy.</td>
<td><a href="http://www.ispa.cnr.it/NATO-ASI">www.ispa.cnr.it/NATO-ASI</a></td>
<td></td>
</tr>
<tr>
<td>11-15 — International Grapevine Trunk Disease Conference. Davis, CA. (<a href="mailto:wdgbuoler@ucdavis.edu">wdgbuoler@ucdavis.edu</a>)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>October 2006</td>
<td>2-6 — 54th Annual Western International Forest Disease Work Conference. Smithers, BC, Canada. <a href="http://www.fs.fed.us/foresthealth/technology/wif/">www.fs.fed.us/foresthealth/technology/wif/</a></td>
<td></td>
</tr>
<tr>
<td>10-14 — The Biology of Transpiration. Snowbird, UT. <a href="http://www.aspb.org/meetings/transpiration06">www.aspb.org/meetings/transpiration06</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-18 — International Research Symposium on Butternut Canker Disease. Niagara Falls, Ontario, Canada. (<a href="mailto:cash@fs.fed.us">cash@fs.fed.us</a>)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### For the most current listing, check out the APSNet event calendar at www.apsnet.org/meetings/calendar.asp.