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## ASPT NEWS

### ASPT Graduate Student Research Grant Applications

It is almost time to submit applications for the ASPT Graduate Student Research Grants. Please check < <http://www.aspt.net/new/society/funding/gradstudentgrants.php> > .

### Reminder about 2007 Annual Meeting

The 2007 Annual Meeting will be in downtown Chicago at the Hilton & Towers (walking distance to Field Museum). Please note the conference will be one month earlier than is typical: 7–11 July 2007. For information about the meeting, see < <http://www.2007.botanyconference.org/> > .

### News From Annual Meeting at Chico

- 2006 Cooley Award — **Danica Harbaugh**, University of California, Berkeley, for her paper “Unraveling the complex history of sandalwoods (*Santalum*, Santalaceae)”, co-authored with Bruce Baldwin.
- 2006 Asa Gray Award — **Pam and Doug Soltis**, University of Florida, Gainesville.
- 2006 Peter Raven Award — **Art Kruckeberg**, Professor Emeritus, University of Washington, Seattle.
- Distinguished Service Award — **Pat Herendeen**, George Washington University, Washington, D.C.

### New Volumes of *Systematic Botany Monographs*

- *Volume 80. Revision of Harveya (Orobanchaceae) of Southern Africa*, Christopher P. Randle, 74 pp, color frontispiece, 30 October 2006. ISBN 978-0-912861-80-7. US orders: \$9.00; non-US-orders: \$11.00.
- *Volume 79. Monograph of Pseuduvaria (Annonaceae)*, Yvonne C. F. Su and Richard M. K. Saunders, 204 pp + 3 color plates, 11 September 2006. ISBN 978-0-912861-79-1. US orders: \$30.00; non-US orders: \$35.00.

Postage and handling included. Send orders to *Systematic Botany Monographs*, University of Michigan Herbarium, 3600 Varsity Drive, Ann Arbor, MI 48108-2287, USA, with checks payable to “ASPT;” VISA and MasterCard. Fax: 734-647-5719; e-mail < [chra@umich.edu](mailto:chra@umich.edu) > .



## IN MEMORIAM

**Kingsley R. Stern, 26 October 2006.** Kingsley R. Stern, Professor Emeritus, Department of Biological Sciences, died at the age of 79 in Chico, California, on 26 October 2006, after a long illness.

Stern received his undergraduate education at Wheaton College, where he majored in botany. In graduate school, he continued his studies in botany, while minoring in zoology and horticulture. He received a Master’s degree from the University of Michigan at Ann Arbor, and a Ph.D. from the University of Minnesota at Minneapolis.

He took additional graduate courses at the University of Illinois in Urbana and at the Hopkins Marine Station of Stanford University in Pacific Grove.

While pursuing his studies, Stern held part-time positions as an instructor in biology at Hamline University and as an instructor in botany at the University of Minnesota, where he received a Conway McMillan Research Fellowship. Stern taught at California State University-Chico from 1961 until his retirement in 1994. During his tenure, he taught eight different courses, six of which were new to the curriculum. He was on the committees of more than 50 graduate students, and an estimated 15,000 students enrolled in his classes. CSU-Chico honored Stern as Outstanding Professor in 1993. Stern was the director of the Biological Sciences Herbarium for 30 years. During Stern’s years as director, the herbarium collection grew from 2,800 specimens to more than 71,000 specimens (now 92,000). He was honored in November 1998 with the Distinguished Service Award from the Friends of the Herbarium for his continued volunteer work and support.

Stern is probably best known for his authorship of the botany textbook *Introductory Plant Biology*, which is in its 10th edition and is still used at universities and colleges across North America. At the time of his death, he had just finished completion of the 11th edition. He has received several grants from the National Science Foundation in support of biosystematic investigations in Fumariaceae. These investigations, which included studies at the Swedish National Pollen Laboratory in Stockholm, led to the publication of many research papers.

Professor Emeritus Stern was deeply honored this past summer to have been a recipient of the Centennial Award from the Botanical Society of America (BSA) for his outstanding service to the plant sciences and BSA. He leaves his family, many former students, colleagues, and friends. — Kristina A. Schierenbeck, California State University-Chico.

**Steven J. Brunfeld, 6 October 2006.** Steven John Brunfeld of Moscow, a professor of forest resources at the University of Idaho, died 6 October 2006, after an 11-year battle with cancer. He was 53. No one ever fought harder for life than Steve. Thanks to his personal tenacity, he lived to see his daughter, Courtney, graduate from law school, his son, John, become an accomplished musician, and his son, Nicholas, elected student body president at Moscow High School. When initially diagnosed, Steve was given a one-percent chance of living longer than one year. That was in 1995.

He was born Sept. 7, 1953, the second son of John and Joan Brunfeld. He grew up and attended schools in the northern suburbs of Chicago. As a boy, he was happiest while playing or working outdoors. After graduating from high school, he pursued that interest by enrolling as a forestry major at the University of Idaho.

Steve earned two bachelor’s degrees, one in forest resources and also in botany from UI in 1976, then finished

a Master's degree in botany there in 1981. In 1990, he completed his Ph.D. in botany at Washington State University in plant genetics. His dissertation focused on willow tree genetics, and he was thrilled when his DNA-based research revealed the role of hybridization in the evolution of the tremendous diversity in willows.

He became an assistant professor in the UI Department of Forest Resources in 1990 and advanced to full professor in 2002. He also was a faculty member in the UI Institute for Molecular and Agricultural Genetic Engineering. In 2001, he became one of six principle investigators on a \$2.7 million grant from the National Science Foundation and the Integrative Graduate Education and Research Traineeship for a project entitled "Ecosystem Management in Tropical and Temperate Regions: Integrating Education in Sustainable Production and Biodiversity Conservation."

An accomplished scientist, Steve concentrated his research in the molecular systematics of woody plants, conservation biology, phylogenetics, and vegetation ecology. He served as director of the Idaho Forest, Wildlife and Range Research Herbarium at UI from 1979 until his death, and during 1979–1980, was a consulting botanist/ecologist for the U.S. Forest Service.

He had a natural curiosity and a keen intellect. He authored numerous academic articles, and his research included genetic work on willows, grand fir-concolor hybrids, red alder, bitterbrush, and many other wildland plants. He served as director for the Ecology and Conservation Biology program, was a member of the Moscow Tree Commission and was active in a number of professional organizations including Sigma Xi, the Botanical Society of America, the Northwest Scientific Association in which he served as secretary, the American Society of Plant Taxonomists, the Idaho Native Plant Society, and the Idaho Endangered and Threatened Plant Technical Committee.

He was as driven and exacting in the classroom as he was in the lab, and his students loved him. Steve taught general ecology, dendrology, forest community ecology, and conservation genetics. He won numerous teaching awards during his tenure, including the UI Alumni Association Award for Faculty Excellence in 1999 and the College of Natural Resources Outstanding Teacher Award. He also served on a number of university-wide committees and was elected to the UI Faculty Council.

He was happiest when working in the field. He was the resident botanist with the UI's Lewis and Clark Trail field course, which retraced a portion of the famous explorers route in north central Idaho. He also taught numerous Elderhostels and many plant identification courses, including several for UI's Clark Fork Enrichment Program, and was commonly called upon to lead field trips. He taught a weeklong field course to forestry professionals annually for some 20 years.

Love of plants, the outdoors, and environmental issues are just a few of the things that attracted him to his wife,

Pam, the love of his life. The two met while undergraduates at UI and were married June 28, 1975. They worked, played, and traveled extensively together for several years before their children were born. Their projects included an "Alpine Flora of East Central Idaho" and endangered and threatened plant surveys for a number of national forests.

Besides the outdoors, Steve loved music. He spent many, many hours listening to a variety of rock music, including Bob Dylan, the Beatles, the Rolling Stones, and Jethro Tull. He enjoyed humor as well and could recite entire passages from Firesign Theatre albums. He was not just a musical spectator, however. He was a talented, self-taught guitarist who instilled an appreciation of music in all of his children. He was delighted with their musical achievements: Courtney being an accomplished pianist, John's success as a bluegrass mandolin player in the local band Chubbs Toga, and Nick's guitar and drum playing in a number of bands.

Steve liked a good argument. A man of strong opinions, he enjoyed the give and take of debate on just about any topic. He especially valued discussions with his professional colleagues and political debates with friends and family.

Steve is survived by his wife, Pam, and sons, John and Nicholas, all of Moscow; his daughter, Courtney, of St. Louis, Mo.; his parents of the Chicago area; his brother, Mike, and his wife, Alice, of San Rafael, Calif.; his sister, Sue, and her husband, Jerry, of Cornelius, N.C.; his sister, Gail, and her husband Al, of Lake Villa, Ill.; sisters-in-law, Nancy Anno and her husband, Bob, of Medford, Ore., Holly Abbott and her husband, Dean, of Moscow, and Tracy Mosgrove of Coeur d'Alene; and numerous aunts, uncles, nieces, nephews, cousins, and friends.

A memorial service was held on Saturday, 14 October at the University of Idaho Administrative Building Auditorium followed by a celebration of his life.

The family suggests memorials be sent to Hospice of the Palouse, the UI Arboretum, or the Stillingher Herbarium. — Kathy LaPointe, family friend.



## PEOPLE

**Lisa Wallace** to Mississippi State. Lisa Wallace began a position as assistant professor in the Department of Biological Sciences and director of the herbarium (MISSA) at Mississippi State University in August, 2006. She received her Ph.D. in 2002 from The Ohio State University working under the direction of Dan Crawford and Andrea Wolfe. Lisa comes to MSU after serving three years as a post-doctoral researcher at the University of South Dakota, during which time she worked on various projects in conservation genetics of California Channel Island plants and systematics and phylogeography within the Hawaiian endemic plant lineage *Schiedea* (Caryophyl-

laceae). At MSU, Lisa has returned to studies on the systematics and population biology of orchids in the genus *Platanthera*, the focus of her dissertation research.

**Chris Randle** to Sam Houston. Chris Randle has become an assistant professor in the Department of Biological Sciences at Sam Houston State University. He received his Ph.D. in 2004 from The Ohio State University (advised by Andrea Wolfe) for his work on the systematics of the genus *Harveya* (Orobanchaceae), a group of holoparasites native to southern Africa, and the evolution and expression of *rbcL* in *Harveya* and its sister taxon *Hyobanche*. He went to the University of Kansas for post-doctoral research with Mark Mort on the systematics of the genus *Crassula* (Crassulaceae) and with Daniel Crawford on relationships within tribe Coreopsidae (Asteraceae). At Sam Houston State University, Chris plans to continue research on systematics of parasitic plants and molecular evolution of photosynthetic genes in holoparasites.

**Heidi Meudt** to WELT. Heidi Meudt has become a research scientist, botany (systematics) at the Museum of New Zealand, Te Papa Tongarewa, Wellington, New Zealand (WELT) < <http://www.tepapa.govt.nz/Tepapa/> > . Heidi received her Ph.D. from the University of Texas-Austin with Beryl B. Simpson in May 2004 on “Biogeography and Systematics of *Ourisia* (Plantaginaceae),” a largely Southern Hemisphere genus of 28 species distributed throughout high-elevation habitats in the South American Andes, Tasmania, and New Zealand. She then went to Massey University in Palmerston, North, New Zealand on a two-year NSF International Research Fellowship Program postdoctoral grant to continue working on the phylogeny and phylogeography of the 12 New Zealand species of *Ourisia*. Her collaborators for this work were Peter Lockhart and Phil Garnock-Jones. For her new job at WELT, Heidi is continuing to conduct biogeographic and systematics research on alpine plants in the southern hemisphere as she begins DNA sequencing, AFLP, and morphological studies of *Chionohebe* (Plantaginaceae), which comprises ca. six species distributed in alpine areas of New Zealand and Australia.

**Lucinda McDade** to direct Rancho Santa Ana Botanic Garden. Lucinda A. McDade, Ph.D., has been appointed the Director of Research for Rancho Santa Ana Botanic Garden (RSABG), and concurrently as Chair of the Botany Program, Claremont Graduate University (CGU). Dr. McDade will serve as the inaugural Chair of the Judith Bryant Friend Director of Research.

McDade joins the research staff and faculty of the Botanic Garden as the result of an extensive nationwide search. Garden Executive Director, Patrick Larkin, remarked, “We are especially pleased to welcome Dr. McDade to our Garden community and we look forward to the many new advances she will bring to advance graduate education and research at our institution.”

With a biology graduate degree from Tulane University, and a doctorate degree in botany from Duke University, McDade comes to RSABG and CGU from The Academy of Natural Sciences in Philadelphia where she was Asso-

ciate Curator and Chair of Botany. She has held academic positions at the University of Pennsylvania, University of Arizona, and Duke University. Her professional honors include *magna cum laude* (B.S. degree), Phi Beta Kappa, and Melinda F. Denton Memorial Lecturer, University of Washington. She served as President for the Association of Tropical Biology in 1995 and the American Society of Plant Taxonomists from 2003 to 2004.

“My research has three interrelated centers of focus,” Dr. McDade explains. “I seek to understand the evolutionary history of plants by unraveling their phylogenetic relationships. For nearly 25 years, I’ve studied the plant family Acanthaceae, both at the species level and at higher levels.”

McDade began her duties in Claremont on October 1. “Graduate education is my passion,” she adds, “and I continuously seek ways to impart knowledge and inspire students, both at the theoretical level, and in the classroom.”

**Timothy Motley** to Old Dominion University and Norfolk Botanical Garden. Dr. Timothy Motley has accepted the newly endowed chair as the J. Robert Stiffler Distinguished Professor of Botany in the Department of Biological Sciences at Old Dominion University < <http://sci.odu.edu/biology> > . He will also be directing the scientific program at the Norfolk Botanical Garden < <http://www.norfolkbotanicalgarden.org> > . Tim has spent the last seven years as a curator in the Lewis B. & Dorothy Cullman Program for Molecular Systematic Studies at the New York Botanical Garden where his research focused on plant evolution and phylogeography in the islands of the Pacific Ocean and the systematics of the Rubiaceae and Loganiaceae. Tim and two of his former graduate students Hugh Cross and Nyree Zerega have recently edited a volume, *Darwin’s Harvest*, about using new approaches to the study of crop plant evolution < <http://www.columbia.edu/cu/cup/catalog/data/023113/0231133162.HTM> > . At Old Dominion University Tim will continue to conduct systematics research on island plant species and on the Rubiaceae and Loganiaceae. Recent projects include research on the unique flora of Rapa Island in French Polynesia, Galapagos *Borreria* radiations (Darwin’s true passion), and DNA fingerprinting and phytochemistry of the botanical herbal, black cohosh. Contact information: Department of Biological Sciences, 110 Mills Godwin Building/45th St, Old Dominion University Norfolk, Virginia 23529-0266, e-mail < [tmotley@odu.edu](mailto:tmotley@odu.edu) > .

**Eric Schuettelpelz** receives Lawrence Award. Mr. Eric Schuettelpelz, a student of Dr. Kathleen M. Pryer at Duke University, is the recipient of the 2006 Lawrence Memorial Award. For his dissertation research, Mr. Schuettelpelz has undertaken a study of understanding the origin and diversification of fern epiphytes. The proceeds of the award will help support his travel to Southeast Asia for field research.

**Bobbi Angell**, botanical illustrator, receives prestigious award. Ms. Bobbi Angell received the 2006 Jill Smythies Award of the Linnean Society of London at their annual

meeting held on 24 May. The judges unanimously chose Bobbi from this year's field of several strong candidates. She is the first American to be so honored.

This award was established in 1988 by the late Mr. Bill Smythies Hon FLS in honor of his wife Florence Mary Smythies ("Jill") whose career as a botanical artist was cut short by an accident to her right hand. The rubric states that the award "is for published illustrations, such as drawings or paintings, in aid of plant identification, with the emphasis on botanical accuracy and the accurate portrayal of diagnostic characteristics."

Bobbi received a bachelor's degree in botany from the University of Vermont in 1977 and began her career as a botanical illustrator at The New York Botanical Garden the following year. Her first project was creating illustrations for the multi-volume *Intermountain Flora* under the direction of Dr. Noel Holmgren. Over the last 25 years, her illustrations have reached a broad popular audience through the New York Times weekly gardening column, two books based on different compilations of these columns, and notecards with water-color portraits of endangered species sold by the Center for Plant Conservation.

Her primary focus, however, has been to illustrate scholarly works with pen and ink drawings. Her botanical training, keen observational skills, and artistic sensibility result in illustrations that are not only scientifically accurate but also beautifully composed, even when they are reconstructions of flattened dried specimens. The clarity of the microscopic details that usually escape the naked eye are a boon for identification. Many people go directly to illustrations rather than to keys and descriptions, and those who use a flora illustrated by Bobbi find that a picture truly is worth a thousand words.

Publications illustrated completely or mostly with her drawings are: *Intermountain Flora, Vols. 2B, 3A, 3B* (Holmgren et al. 2005, Cronquist et al. 1997, Barneby 1989), *Vines and Climbing Plants of Puerto Rico and the Virgin Islands* (Acevedo-Rodríguez 2005), *Flora of St. John* (Acevedo-Rodríguez 1996), *Guide to Vascular Plants of Central French Guiana, Part 2: Dicotyledons* (Mori et al. 2002), *Flowering Plants of the Neotropics* (Smith et al. 2003), and the *Flora Neotropica Monograph of Meliococeae (Sapindaceae)* (Acevedo-Rodríguez 2003). Each of these books is worth contemplating for the pleasure of the illustrations alone.

She has drawn more than 2,400 plant species, including c. 1,000 Neotropical ones. Admiring taxonomists have named three species in her honor: *Potentilla angelliae* N. H. Holmgren, *Mezia angelica* W.R. Anderson, and *Macroparapea angelliae* J. R. Grant & Struwe. Unaware of the authors' intentions, Bobbi illustrated each. — Jacquelyn Kallunki, New York Botanical Garden.



## JOB OPPORTUNITIES

Persons in the job market should consult the Newsletter/"Current News" section of the ASPT homepage < <http://www.sysbot.org> > for detailed descriptions. Below are *very* abbreviated listings of job notices that have appeared on that source; complete information needed for applications is not included here. For many positions, the deadlines have passed and the positions may be filled. The listing here is primarily for readers who might be interested in which organizations have had openings in the general area of plant systematics. The date the positions were posted is in square brackets [day/month/year].

Nearly all announcements have been edited to conserve space—be sure to obtain complete descriptions before applying.

**Vascular Plant Research Associate, The Harvard University Herbaria (HUH):** The Harvard University Herbaria are seeking an individual with research and curatorial expertise with vascular plants. The successful candidate should be focused on collection-based systematics. He or she will be responsible: 1) to curate a part of the vascular plant collections and aid in plant identifications; 2) to aid in supervision of staff; 3) continue or establish an independent and/or collaborative research program in the Harvard Herbaria; 4) to prepare grant proposals for research and/or curation projects; 5) to publish research results in peer-reviewed journals; 6) to disseminate results broadly to the scientific community. Required Education, Experience, and Skills: Applicants must have a Ph.D. in an area of specialty as outlined above, post-doctoral experience an asset; demonstrated research achievement through peer-reviewed publications; demonstrated knowledge and experience in collection management and use; good interpersonal and communication skills; a demonstrated ability to work with people with diverse scientific and cultural backgrounds. Physical Requirements: Must be able to lift up to 50 lbs. and move specimens. For more information and to apply, visit the Harvard University employment site at < [http://jobs.harvard.edu/jobs/search\\_req](http://jobs.harvard.edu/jobs/search_req) > and search using the Req# 28500. We will begin the application review process on 2 January 2007. [Posted 28 November 2006]

**Director, Species Program, NatureServe:** The Director, Species Program provides leadership in the strategic growth of NatureServe's botanical and zoological databases and in the development of scientific methods, analyses, and information products designed to promote the lasting conservation of plant and animal species. This position will guide and support efforts to understand and document the status, distribution, and conservation requirements of plant and animal species, and will develop innovative approaches to meet the species-level information needs of conservation and natural resource managers. The Director, Species Program works to ensure the quality and consistency of NatureServe species data by fostering collaboration among NatureServe and biologists across the network of natural heritage programs and conservation data centers, and by providing leadership

and guidance in the development, management, analysis, and sharing of species information. This position works with partners in government agencies, academic institutions, and other conservation organizations to develop and maintain high-quality scientific data, and has responsibility for public and private fundraising in support of NatureServe's species databases and related work. The Director, Species Program supervises a department of approximately 10 scientific staff. Partial requirements: Ph.D. in zoology, botany, or conservation biology strongly preferred. More than seven years work experience in applying the concepts of conservation biology and related fields to conservation decision-making and natural resources management. Proven experience in program development, project management, and staff supervision. Well organized and able to orchestrate multiple activities to accomplish set goals. Results-oriented and able to set and keep objectives, develop schedules, anticipate and solve problems, measure performance against goals, and evaluate results. See the complete job description, duties, and requirements at < <http://www.natureserve.org/job/jobNSspeciesprogram.jsp> > . Contact information: Send résumé and cover letter to: Attn: Job#DSP06; NatureServe; 1101 Wilson Blvd., 15th Floor; Arlington, VA 22209, FAX: 703 908-1917; e-mail: [jobs@natureserve.org](mailto:jobs@natureserve.org). (Please refer to Job#DSP06 in subject line); please indicate how you found out about this position. [Posted 21 November 2006]

**Senior Plant Scientist, Chicago Botanic Garden:**

The Chicago Botanic Garden (CBG), in collaboration with Northwestern University, invites applications for a Senior Plant Scientist position beginning no later than September 2007. Applicants should be broadly trained in plant biology or ecology in a subfield that will complement some aspect of our current research expertise in restoration ecology, conservation biology, soil ecology, population genetics, plant systematics, and economic botany. The new Senior Plant Scientist will join a team of 11 Ph.D. researchers and participate in an innovative joint Master's program in plant biology and conservation with Northwestern University. We seek to appoint an individual who will take a leadership role in helping to expand the existing Master's program into a unique new doctoral program, develop a productive and creative research program, advise graduate students and interns, serve as an adjunct faculty member, and teach courses in his or her area of specialty at Northwestern University. Candidates must have a Ph.D. in biology or related discipline, a strong record of scholarship, an excellent extramural funding record for research, experience advising students at the doctoral level, and a commitment to undergraduate and graduate education. Please send a *curriculum vitae*, statements of research plans and teaching interests, examples of scholarly writing, and three letters of reference (mailed directly from referees) by December 15, 2006, to: Senior Plant Scientist Search Committee, Attn: Luanne Janikowski, Chicago Botanic Garden, 1000 Lake Cook Road, Glencoe, IL 60022; [ljanikow@chicagobotanic.org](mailto:ljanikow@chicagobotanic.org) (electronic correspondence preferred) CBG is situated on a 385-acre campus north of Chicago and showcases 23 different demonstration gardens as well as native areas that include woodlands, prairies and aquatic

habitats, each featuring native and endangered Illinois flora < <http://www.chicagobotanic.org> > . [Posted 16 November 2006]

**Taxonomic Botanist, Austin Peay State University:**

Nominations and applications are invited for a full-time, nine-month, tenure-track position of Assistant Professor-Taxonomic Botanist to begin August 2007. Salary is competitive and commensurate with academic preparation and experience. Duties and responsibilities include, but are not limited to the following: teach undergraduate and graduate courses from among the areas of, e.g., introductory biology (majors and nonmajors), botanical diversity, plant taxonomy, and field botany; serve as curator for the APSU Herbarium; and develop an externally funded Masters-level research program involving students. Required Qualifications: A Ph.D. in botany, botanical ecology, or plant taxonomy is required, and college teaching experience is preferred. Candidate must have a record of scholarly achievement. Experience in the use of innovative, inquiry-based methods of instruction, and current molecular research techniques is beneficial. Teaching assignments may involve travel to regional sites and/or distance learning venues. Experience with the taxonomy, ecology, and distribution of southeastern flora is required. Application Procedure: Please submit letter of interest, *curriculum vitae*, graduate and undergraduate transcripts, statement of research interests and teaching philosophy, and three letters of recommendation to: Office of Human Resources, Austin Peay State University, Attn: HR Faculty Applications, Department of Biology, PO Box 4507, Clarksville, TN 37044; e-mail [FacultyApplications@apsu.edu](mailto:FacultyApplications@apsu.edu); Fax: (931) 221-7105. For questions pertaining to this position you may contact Dr. Don Dailey, Chair, Department of Biology at [daileyd@apsu.edu](mailto:daileyd@apsu.edu) or phone 931 221-7781. Review of applications will continue until position is filled. [Posted 10 November 2006]

**AIBS Education and Outreach Manager:**

The American Institute of Biological Sciences (AIBS) seeks a full-time experienced Education and Outreach Manager to join its senior staff and direct all aspects of the AIBS Education Office program from its Washington, D.C. headquarters office, as described at [www.aibs.org/education](http://www.aibs.org/education). AIBS, a nonprofit 501(c)(3) scientific association dedicated to advancing biological research and education for the welfare of society, is an umbrella organization with a membership of more than 90 scientific research societies and science education organizations, 100 natural science collection institutions, and 5,000 individuals. The goals of the AIBS Education Office are: (1) Facilitate communication and interaction between AIBS and the biology education community; (2) increase the participation of underrepresented minorities in the biological sciences; (3) provide information about career options in the biological sciences; and (4) support biology education professionals by providing resources to increase the understanding of biological sciences and encourage the practice of teaching the way science is practiced. For a full description of the duties, responsibilities, and requirements see < [http://www.aibs.org/classifieds/aibs\\_positions\\_available.html#2621%22](http://www.aibs.org/classifieds/aibs_positions_available.html#2621%22) > . AIBS employment benefits include healthcare and retirement plan. Send cover

letter, résumé, writing samples, and salary requirements to: AIBS Executive Director, Education and Outreach Search, AIBS, 1444 Eye St. NW, Suite 200, Washington, DC 20005, FAX; 202-628-1509, [rogrady@aibs.org](mailto:rogrady@aibs.org). [Posted 8 November 2006]

**Invasive Plant Management Extension Specialist and Assistant Professor, Auburn University:** The Agronomy and Soils Department of Auburn University is seeking applicants for an Invasive Plant Management Extension Specialist and Assistant Professor. This is a nine-month, tenure-track position with a 75% extension and 25% research appointment. Cooperative interactions with other faculty, state and federal agencies, organizations, and individuals will be required for training extension personnel and other stakeholders to identify invasive plants and to establish and coordinate a reporting and mapping system for Alabama. Required qualifications include: 1) earned Ph.D. in weed science, plant ecology, plant taxonomy, or a closely related discipline (all requirements for the PhD must be completed by 16 August 2007); 2) formal education or extensive experience in field research; 3) formal education or extensive experience in plant identification; 4) effective communication and computer usage skills—candidate must demonstrate the ability to communicate effectively in English, both in writing and verbally; and 5) meet eligibility requirements for work in the United States at the time of appointment. For detailed application procedures contact Kay Holloway: e-mail: [hollokm@auburn.edu](mailto:hollokm@auburn.edu) > ; fax: 334 844-3945; phone: 334 844-3899; or mail: Agronomy and Soils Department, Auburn Univ, AL 36849-5412. Active review of applications will begin on 15 January 2007, but the search will continue until the position is filled. To ensure consideration for the position, applications must be received by end of business on 15 January 2007. [Posted 31 October 2006]

**Biodiversity Information Manager, Academy of Natural Sciences:** The Academy of Natural Sciences of Philadelphia seeks an administrator for the databases of its specimen collections who can develop database-driven desktop and web applications. The collections encompass 17 million specimens in areas spanning botany, entomology, herpetology, ichthyology, malacology, mammalogy, ornithology, paleontology, and general invertebrates. More information about science at the academy is available at <http://www.ansp.org/research> > . The information manager will be responsible for maintaining the integrity of the databases, and will work closely with curatorial staff to develop informatics tools for efficient capture of biodiversity data and images, quality control, data visualization and analysis, GIS, Web-based data access, and Internet collaboration. Duties will include development of information models, database documentation, information security, code, user interfaces, quality control, and database life cycle management. Other duties will include assisting collections and research staff in developing informatics support sections of grant proposals. Good communication skills are essential. Requirements: Degree in biology (with strong computer programming/database skills) or a degree in computer science (with extensive knowledge of biology). Experience with Web database

programming in a LAMP environment (Linux, Apache, MySQL or PostgreSQL, PHP) and with MS Access and Visual Basic. Desirable: Advanced degree (Master's or Ph.D.); experience with biodiversity databases; experience with some of the following: Linux/Unix system administration; Perl or Bash scripting; FileMaker Pro; qmail/ezmlm; ImageMagick; MapServer; DiGIR/TAPIR. To Apply: See <http://www.ansp.org/about/employment.php#938> > . [Posted 13 October 2006]

**Plant Evolutionary Biologist, Colorado State University:** The Biology Department invites applications for a tenure-track position (assistant professor) in plant evolutionary biology to join a growing group of evolutionary biologists; see our Web page at <http://www.colostate.edu/Depts/Biology> > . We seek a broadly trained plant biologist who addresses fundamental and integrative questions in evolutionary biology. Applicants should be well-versed in genetics, with the possibility of applying genomic tools to organismal questions. Examples of appropriate research interests could include evolution of morphology and life histories, mating systems, population genetics and adaptation, hybridization and speciation, invasive species, and conservation biology. The successful candidate will be expected to develop an extramurally funded research program and contribute to undergraduate and graduate teaching. Applicants must have a Ph.D. by the time of appointment; post-doctoral experience is preferred. To receive full consideration, apply on-line by 8 November 2006 <http://www.natsci.colostate.edu/searches/Biology/> > . Include a C.V., statements of research/teaching interests, representative publications and the names and contact information for three referees. Referees will receive instructions by e-mail for submitting letters on-line, or may mail letters to Plant Evolutionary Biology Search Committee, Department of Biology, Colorado State University, Fort Collins CO 80523-1878. Complete applications of semi-finalists will be reviewed by all faculty in the Department. [Posted 25 September 2006].

**Plant Evolutionary Genomics, University of California, Riverside:** The Department of Botany and Plant Sciences at the University of California-Riverside invites applications to fill a tenure-track nine-month position at the assistant professor level in plant evolutionary genomics. Possible areas of specialization include plant molecular population genetics, molecular evolution, genome evolution, evolutionary genetics, and comparative genomics. The research could focus on topics such as, but not limited to, molecular analysis of adaptations, the nature and rate of evolutionary change in genes and genomes, molecular genetic analysis of plant speciation or plant domestication, hybridization, or evolution of invasiveness. Applicants interested in theory, modeling, and data mining, as well as those conducting experimental or descriptive studies will be considered. The candidate will hold a faculty position as well as a joint appointment in the Agricultural Experiment Station. The successful candidate will be expected to establish and maintain a vigorous, innovative research program, and have a strong commitment to excellence in teaching at both the undergraduate and graduate levels. The review of applications will begin

November 15, 2006, with appointment as early as July 1, 2007. Applicants must hold a Ph.D with a minimum of one year of postdoctoral experience. Applications will be accepted until the position is filled. Interested individuals should submit the following: (1) a *curriculum vitae*, (2) a brief statement of research and teaching interests, (3) samples of relevant publications, and (4) have three letters of recommendation sent to: Chair, Plant Evolutionary Genomics Search Committee, c/o Department of Botany and Plant Sciences, 2118 Batchelor Hall, University of California, Riverside, Riverside, CA 92521-0124; Email: <bpssearch@ucr.edu>; FAX (951) 827-4437. [Posted 20 September 2006]

#### **Plant Evolutionary Genetics, Washington State**

**University:** The School of Biological Sciences at Washington State University-Pullman, invites applications for a full-time tenure-track position in plant evolutionary genetics to begin August 2007 at the assistant or associate professor level. Applicants should have ability and potential for outstanding teaching and for maintaining a strong empirical research program in plant evolutionary genetics, focusing on questions that complement our faculty's strengths in population and ecological genetics, evolutionary ecology, molecular evolution, systematics, ecology, and physiology. Candidates pursuing rigorous, theory-driven empirical research on plant evolutionary genetics using sophisticated quantitative skills are particularly encouraged to apply, as are individuals who are effective communicators with broad knowledge of plant biology and interests in collaborative research and training. Required qualifications include an earned doctorate at time of application, a record of research accomplishment commensurate with rank in plant evolutionary genetics, and a commitment to teaching excellence in undergraduate and graduate courses. Successful candidates will be expected to develop and maintain a vigorous, independent research program supported by extramural funding, train graduate and undergraduate students, participate in graduate and undergraduate teaching including a graduate course in population genetics and shared responsibilities for undergraduate courses in general genetics or evolution, and advance the college's commitment to diversity and multiculturalism. To apply, send a letter of application addressing qualifications, *curriculum vitae*, statements of research and teaching interests, and a list of names, addresses, and telephone numbers of at least three references. Arrange for at least three letters of reference to be sent directly to the search committee. These letters of reference should clearly address your research potential, teaching and communication skills. Send all materials by 13 November 2006 to: Plant Evolutionary Genetics Search Committee, c/o Linda Larrabee, School of Biological Sciences, P.O. Box 644236, Pullman, WA 99164-4236; <larrabee@wsu.edu>; phone: (509) 335-5768; fax: (509) 335-3184. Full notice of vacancy can be viewed at <<http://www.sci.wsu.edu/sbs/index.php3>>. [Posted 17 September 2006]

#### **Assistant Curator, Plant Molecular Systematics**

**New York Botanical Garden:** The New York Botanical Garden's Cullman Program for Molecular Systematics Studies seeks a full-time scientist specialized in the field of plant or fungal molecular systematics to join its

research staff. The successful candidate must possess a Ph.D. and be fully conversant with modern molecular approaches as applied to the study of biodiversity, evolution, systematics, economic botany, conservation, or related areas. Applicants with experience in the field of population genetics as applied to questions of plant conservation, phylogeography, crop origins, or mechanisms of speciation are especially encouraged to apply. Applicants should send *curriculum vitae*, statement of research interests, sample publications if available, and the names and contact information for at least three references to Dr. Ken Cameron, Director of Molecular Systematics Studies, attn. Human Resources Department, The New York Botanical Garden, 200th Street and Kazimiroff Blvd., Bronx, NY 10458-5126, e-mail <[hr@nybg.org](mailto:hr@nybg.org)>. EOE/M/F/D/V. Position open until filled; review of applications to commence on 15 November 15 2006. [Posted 1 September 2006]

#### **Conservation and Sustainable Development, Missouri Botanical Garden:**

This is a full-time, regular position (Job # F119). Leads the Missouri Botanical Garden local efforts in plant conservation, building connections for conservation with other garden divisions and with local organizations. Maintains and manages the Center for Plant Conservation (CPC) living collections and records under the care of the Missouri Botanical Garden, researches and proposes plants for the National CPC collection, prepares annual reports and publications, and assists with educational activities and exhibits. Also conducts field work to collect propagules, propagates and established plants at the garden and Shaw Nature Reserve or assists in monitoring restoration and reintroduction work in the wild. Participates in the local on-going invasive species programs. Seeks funding to support and expand the program Ph.D. in conservation biology, ecology, botany, or closely related discipline with experience and knowledge of plant conservation, taxonomy, and population genetics. Knowledge of collection techniques, propagation, cultivation and curation of rare plants and living collections. Excellent written and verbal communication skills. Familiarity with midwestern flora is beneficial. Selected candidate must have authorization to work in the USA. For full application information, see <<http://www.mobot.org/jobs/how.asp>> and download application form at <<http://www.mobot.org/jobs/application.pdf>>. Print, complete and mail application to: Missouri Botanical Garden Human Resource Management 2345 Tower Grove Ave. St. Louis, MO 63110. [Posted 31 August 2006]



### **FELLOWSHIPS, INTERNSHIPS, POST-DOCS**

Nearly all announcements have been edited to conserve space, be sure to obtain complete descriptions before applying. Please see notice at the top of "Job Opportunities."

**Graduate Study in Floristics, Rocky Mountain Herbarium:** The Rocky Mountain Herbarium (RM) seeks students interested in pursuing an M.S. degree in broad-scale floristics. The successful applicants are expected to be highly motivated individuals capable of working with limited supervision (following a period of training). The RM has completed 46 inventories (> 500,000 numbered collections) in Arizona, Colorado, Idaho, Nebraska, New Mexico, Oregon, South Dakota, Utah, Washington, and Wyoming over the past 29 years with the goal of producing a critical flora of the Rocky Mountain region. The RM/RMS contains > 800,000 accessions, a backlog > 300,000 collections; the database is populated by > 700,000 specimen records. Recent floristic inventories include: Arapaho NF, e. San Juans, CO; Carson NF, Santa Fe NF, NM; e. Wind River Range, Grand Teton NP, WY, Buffalo Gap/Oglala NG, SD/NE; new projects: the Cimarron/Comanche NG, KS/CO and the Gallatin/w. Custer NFs (inc. Beartooth Plateau), MT/WY. Documents describing the floristics program, the flora of the Rocky Mountains project; checklists for Wyoming and for Colorado; and the *Atlas of the Vascular Plants of Wyoming* are at < <http://www.rmh.uwyo.edu/> > and < <http://uwadmnweb.uwyo.edu/botany/> >. For details, contact Ronald L. Hartman, University of Wyoming, Rocky Mountain Herbarium, Department of Botany, Dept. 3165, 1000 East University Ave., Laramie, Wyoming 82071; < [rhartman@uwyo.edu](mailto:rhartman@uwyo.edu) >; 307/766-2236. Deadline for graduate applications, 1 February 2007.

**Post-doctoral Associate, Plant Genomics, New York Botanical Garden:** The New York Botanical Garden has an opening for a post-doctoral research associate in plant genomics. The successful applicant will carry out research on seed evolution, including incorporation of fossil data and theoretical models of gene expression; use SEM, histological and histo-chemical technique to produce data for the genomic study of seed evolution; interface traditional developmental approaches with genomic approaches; dissect primordial tissue for use in genomic studies of seed development; and develop the project's Web site with Dream Weaver. Qualifications: Ph.D. in botany or biology, expertise in gymnosperm reproductive development, publication record focusing on gymnosperms, field experience in collecting gymnosperms. Send cover letter, *curriculum vitae*, and contact information for at least three references to: Dr. Dennis Stevenson attn. Human Resources Department, The New York Botanical Garden, 200th Street and Kazimiroff Blvd., Bronx, NY 10458-5126, e-mail: < [hr@nybg.org](mailto:hr@nybg.org) >. Position open until filled; review of applications to commence immediately.

**Graduate Student Assistantship in Evolutionary Developmental Plant Biology, Ohio University:** A graduate student position (Masters or Ph.D. student level) is available at the Department of Environmental and Plant Biology, Ohio University, to study genetic pathways associated with leaf blade dissection and lamina growth in *Eschscholzia*. We are using *Eschscholzia californica* as a new model system for the basal eudicot clade, with the ultimate goal to understand the evolution of leaf development in angiosperms. The project will center around the role of specific transcription factors and phytohormones during leaf morphogenesis. The

approach uses molecular genetic and genomic tools, gene expression analyses of developmental stages, plant transformation, virus-induced gene silencing, and tissue culture. For a profile of research in our lab see < <http://www.plantbio.ohio.edu/epb/faculty/faculty/sg.html> >. Students with a strong interest in plant development and evolution, and experience in some of the methods mentioned, are encouraged to apply. We seek a self-motivated individual with the ability to work independently. The student will join a new lab in a department with vibrant research in molecular biology (with a new genomics facility), systematics, and evolution. To be considered, please send a single PDF file containing a cover letter, a *curriculum vitae*, a statement of research interests, and the contact information of at least two scientists available for reference, to Dr. Stefan Gleissberg < [gleissbe@ohio.edu](mailto:gleissbe@ohio.edu) >. Review of applications will start 15 February 2007, and continue until the position is filled. Dr. Stefan Gleissberg, Assistant Professor Plant Development and Evolution, Department of Environmental and Plant Biology, Ohio University, 500 Porter Hall, Athens, OH 45701.



## NEWS FROM HERBARIA

### New Name for MANK

Thanks to a \$100,005 endowment from the William and Darlene Radichel Foundation, the Minnesota State University-Mankato Herbarium (MANK) will receive a new name: The Darlene and William Radichel Herbarium. The endowment will provide \$5000 per annum for supplies, part-time student curatorial assistants, and student collectors. The herbarium's first goals are to complete a synoptic collection for the state and to make its collection data available on a Web site. Alison M. Mahoney, Department of Biological Sciences, Minnesota State University-Mankato, 242 Trafton Science Center South, Mankato, MN 56001; 507 389-2787; < [alison.mahoney@mnsu.edu](mailto:alison.mahoney@mnsu.edu) >.



## FUNDING AND AWARD OPPORTUNITIES

### National Science Foundation PEET Program

We are sending a reminder that the National Science Foundation's program Partnerships for Enhancing Expertise in Taxonomy (PEET) is running a competition for 2007. The deadline for proposals will be Monday, 5 March 2007. The PEET program supports projects that work on understudied groups of organisms, and is an effort designed to encourage the training of new generations of taxonomists and to translate current expertise into electronic databases and other formats with broad accessibility to the scientific community. The PEET

program is a biennial competition that has been in existence since 1995. To date 70 projects have been funded through the PEET program. Significant infrastructural developments (e.g., museum collections, databases) and international collaborations distinguish all the projects. We invite you to view the solicitation announcement NSF 04-606 < <http://www.nsf.gov/pubs/2004/nsf04606/nsf04606.htm> > for further details on the program and proposal guidelines. Please note that the Cognizant Program Officer since Dr. James Rodman's retirement is now Dr. Juan Carlos Morales < [sbbi@nsf.gov](mailto:sbbi@nsf.gov) >, Systematic Biology and Biodiversity Inventories, Juan Carlos Morales, Patrick Herendeen, W. Carl Taylor, Gera Jochum.

### **Request for Proposals—The John W. Marr and Myrna P. Steinkamp Funds**

The Colorado Native Plant Society supports research projects in plant biology from the John W. Marr and Myrna P. Steinkamp funds. These separate funds honor the late Dr. John Marr, Professor at the University of Colorado and the first President of the CONPS, and Dr. Myrna Steinkamp, a founding member of CONPS who worked on behalf of the society for many years in a variety of capacities. Both funds were established to support research on the biology and natural history of Colorado native plants by means of small grants. The Steinkamp Fund targets rare species and those of conservation concern. Both field and laboratory studies are eligible for funding. Thanks to the generous contributions of many members and supporters, a total of nearly \$3,000 is available, although individual awards will not exceed \$1,000. Recipients of the awards must agree to summarize their studies for publication in *Aquilegia* and are highly encouraged to present the results of their research in poster or presentation format at the CoNPS annual meeting and/or a chapter meeting. The Board of Directors is now soliciting proposals for a 15 February 2007 (postmarked) deadline. Information on guidelines and requirements for proposals may be obtained by contacting Board member Jan Loechell Turner at < [jltturner@regis.edu](mailto:jltturner@regis.edu) > or 303 458-4262. Alternately, you may visit our Web site at < [http://www.conps.org/research\\_grants.html](http://www.conps.org/research_grants.html) > .

### **Lawrence Memorial Award — 2007 Nominations**

The Award Committee of the Lawrence Memorial Fund invites nominations for the 2007 Lawrence Memorial Award. Honoring the memory of Dr. George H. M. Lawrence, founding Director of the Hunt Institute for Botanical Documentation. The annual Award of (\$2,000) is given to support travel for doctoral dissertation research in systematic botany or horticulture, or the history of the plant sciences, including literature and exploration. Major professors are urged to nominate outstanding doctoral students who have achieved official candidacy for their degrees and will be conducting pertinent dissertation research that would benefit significantly from travel enabled by the award. The committee will not entertain direct applications. A student who wishes to be considered should arrange for nomination by his/her major professor; this may take the form of a letter which covers supporting materials prepared by the nominee.

Supporting materials should describe briefly but clearly the candidate's program of research and how it would be significantly enhanced by travel that the Award would support. Letters of nomination and supporting materials, including seconding letters, should be received by the committee no later than 1 May 2007 and should be directed to: Dr. R.W. Kiger, Hunt Institute, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890 USA. Tel. 412 268-2434.

### **Grants from the American Philosophical Society**

The American Philosophical Society encourages botanists to apply for the Franklin and Lewis and Clark grants. Postdocs through senior scientists are urged to apply to the Franklin program, which is seeking to increase the number of applications received from botanists. For the coming year, the Lewis and Clark Fund, which grants the majority of its awards in botany, will be restricted to doctoral students. We have revised the Fellowships and Research Grants section of our Web site < <http://www.amphilsoc.org/> > for 2007. We plan to add an FAQ section for each program and will announce any changes to programs at our Web site, so we invite you to check the "About the Fellowships and Research Grants" section periodically. **Franklin Research Grants:** This is a program of small grants to scholars intended to support the cost of research leading to publication in all areas of knowledge. The Franklin program is particularly designed to help meet the cost of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses. **Lewis and Clark Fund for Exploration and Field Research:** The Lewis and Clark Fund encourages exploratory field studies for the collection of specimens and data and to provide the imaginative stimulus that accompanies direct observation. Applications are invited from disciplines with a large dependence on field studies, such as archeology, anthropology, astrobiology and space science, biology, ecology, geography, geology, linguistics, and paleontology, but grants will not be restricted to these fields. **Sabbatical Fellowships:** Sabbatical Fellowship applicants should have received the Ph.D. no earlier than 1999 and no later than 1986. The last financially supported leave should not have been subsequent to 1 September 2004. Writing samples are mandatory. Questions concerning the Franklin, Lewis and Clark, and Sabbatical programs should be directed to Linda Musumeci, Research Administrator, at < [lmusumeci@amphilsoc.org](mailto:lmusumeci@amphilsoc.org) > or 215-440-3429.



## **SYMPOSIA AND MEETINGS**

NOTE: LISTED IN CHRONOLOGICAL ORDER!

**2007**

**International Biogeography Society Conference,  
9–14 January 2007**

The International Biogeography Society is a young society dedicated to promoting biogeography. The third biennial meeting and the first outside the USA, will be held in the Canary Islands. To see the schedule of symposia, workshops and field excursions, visit < <http://www.biogeography.org/> > . Registration is now open, and the early booking rate applies until 10 October. Please book soon to ensure the best accommodation and flight deals for this popular destination. The meeting is organized around symposia with poster sessions occupying a central role, and being given plenty of time in the meeting schedule, as per our previous meetings. The first two IBS meetings have been hugely enjoyed by all participants, and we anticipate an excellent meeting in the Canaries. On behalf of IBS, I look forward to seeing you there! — Vicki Funk

### Flora Malesiana VII, 17–22 June 2007

The seventh Flora Malesiana Symposium will be hosted in Leiden, The Netherlands, by the Leiden branch of the Nationaal Herbarium Nederland. Please consult the Web site for up-to-date information on the program, schedule and the registration procedure < <http://www.nationaal-herbarium.nl/FMVII/> > .

### Botany 2007, 7–11 July 2007

The 2007 Annual Meeting for the American Society of Plant Taxonomists, Botanical Society of America, American Society of Plant Biologists, American Fern Society, and Phytochemical Society of America will be held Chicago, Illinois. Please note that the dates are earlier than our usual annual meeting. For more information, periodically check the Web page for the meeting < <http://www.2007.botanyconference.org/index.htm> > .



## NEW SERIALS AND NEWS ABOUT SERIALS

### *Anales del Jardín Botánico de Madrid*

ASPT member Carlos Aedo of the Jardín Botánico is now the editor of the *Anales del Jardín Botánico* and invites the botanical community to submit manuscripts to this journal. The *Anales* offer quick turn-around, free color work, and free PDF files. The journal is offered in print as well as on-line. Information is available on the Web site < <http://www.rjb.csic.es/publicaciones.php> > ; click on the Union Jack at the top bar for the English version. Contact: Dr. Carlos Aedo < [aedo@ma-rjb.csic.es](mailto:aedo@ma-rjb.csic.es) > Jardín Botánico de Madrid, Plaza de Murillo 2, 28014 Madrid, Spain.



## SPECIAL COURSES

### Plant Resources, People, and Religion in China

Through lectures and field trips to nearby mountains for the collection and identification of plants, students will examine natural plant resources, people and religion in Hangzhou and adjacent areas of China. Students from Zhejiang University will join the group during lectures and fieldwork to enhance cross-cultural exchange during this three-week program. Summer 2007. Click here to download a PDF file with more information or see < <http://www4.ncsu.edu/~qyxiang> > For more information, contact Dr. (Jenny) Qiuyun Xiang, Department of Plant Biology, North Carolina State University, Raleigh, NC 27695; < [Jenny\\_Xiang@ncsu.edu](mailto:Jenny_Xiang@ncsu.edu) > , 919 515-2728.



## NEW BOOKS FOR REVIEW, December 2006

Information provided by L.J. Davenport, Book Review Editor. The selection of reviewers and books to be reviewed in *Systematic Botany* are left to the discretion of the Book Review Editor. Members of ASPT who are interested in serving as a reviewer should contact Larry Davenport at < [ljdavenport@samford.edu](mailto:ljdavenport@samford.edu) > .

*Annual Plant Reviews, Volume 20: Flowering and its Manipulation* by Charles Ainsworth (ed.). 2006. 304 pp. ISBN 1-4051-2808-9. \$199.99 (hbk). Blackwell Publishing, PO Box 570, Ames, IA 50010-0570; < <http://www.blackwellpublishing.com> > .

*Annual Plant Reviews, Volume 22: Control of Primary Metabolism in Plants* by W. C. Plaxton and M. T. McManus (eds.). 2006. 386 pp. ISBN 1-4051-3096-2. \$219.99 (hbk). Blackwell Publishing, PO Box 570, Ames, IA 50010-0570; < <http://www.blackwellpublishing.com> > .

*Annual Plant Reviews, Volume 23: Biology of the Plant Cuticle* by M. Riederer and C. Müller (eds.). 2006. 438 pp. ISBN 1-4051-3268-X. \$249.99 (hbk). Blackwell Publishing, PO Box 570, Ames, IA 50010-0570; < <http://www.blackwellpublishing.com> > .

*Annual Plant Reviews, Volume 24: Plant Hormone Signaling* by P. Hedden and S. G. Thomas (eds.). 2006. 348 pp. ISBN 1-4051-3887-4. \$199.99 (hbk). Blackwell Publishing, PO Box 570, Ames, IA 50010-0570; < <http://www.blackwellpublishing.com> > .

*Annual Plant Reviews, Volume 28: Plant Proteomics* by Christine Finnie (ed.). 2006. 253 pp. ISBN 1-4051-4429-7. \$199.99 (hbk). Blackwell Publishing, PO Box 570, Ames, IA 50010-0570; < <http://www.blackwellpublishing.com> > .

*Briofite del Piemonte: la Collezione della Val Sangone (Alpi occidentali, Torino)* by A. Pistarino, L. Miserere, R. Schumacker, S. D'Andrea, and Z. Soldati. 2005. 458 pp. ISBN 88-86041-62-4. \$40.00 (hbk). Museo Regionale di Scienze Naturali, Via Giolitti, 36-10123 Torino, Italy; < <http://www.regione.piemonte.it> > .

*Esau's Plant Anatomy: Meristems, Cells, and Tissues of the Plant Body—Their Structure, Function, and Development, 3rd edition* by R. F. Evert. 2006. 601 pp. ISBN 0-471-73843-3. \$150.00. John Wiley & Sons, 111 River Street, Hoboken, NJ 07030-5774; < <http://www.wiley.com> > .

*Genomics and Evolution of Microbial Eukaryotes* by L. A. Katz and D. Bhattacharya. 2006. 243 pp. ISBN 0-19-856974-2. \$110.00 (hbk). Oxford University Press, 2001 Evans Road, Cary, NC 27513; < <http://www.oup.com> > .

*Illustrated Flora of East Texas, Volume 1, Introduction, Pteridophytes, Gymnosperms, Monocotyledons* by George M. Diggs, Jr., Barney L. Lipscomb, Monique D. Reed, and Robert J. O'Kennon. 2006. 1,594 pp. Sida, Botanical Miscellany 26, ISSN 0833-1475; ISBN 1-889878-12-X. \$89.95 (hbk). Botanical Research Institute of Texas, 509 Pecan Street, Fort Worth, TX 76102-4060; < <http://www.brit.org/> > .

*The Illustrated Flora of Illinois: Flowering Plants; Flowering Rush to Rushes, 2nd edition* by Robert H. Mohlenbrock. 2006. 328 pp. ISBN 0-8093-2687-6. \$65.00 (hbk). Southern Illinois University Press, PO Box 3697, 1915 University Press Drive, Carbondale, IL 62902; < <http://www.siu.edu/~siupress/> > .

*The Physiology of Flowering Plants* by H. Öpik and S. Rolfe. 2005. 392 pp. ISBN 0-521-66485-3. \$55.00 (pbk). Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211; < <http://www.cambridge.org> > .

*Plant Physiology, 4th edition* by L. Taiz and E. Zeiger. 2006. 764 pp. ISBN 0-87893-856-7. \$109.95 (pbk). Sinauer Associates, PO Box 407, Sunderland, MA 01375-0407; < <http://www.sinauer.com> > .

*Practical Plant Identification: Including a Key to Native and Cultivated Flowering Plants in North Temperate Regions* by James Cullen. 2006. 357 pp. ISBN 0-521-67877-3. \$29.99 (pbk). Cambridge University Press, 40 West 20th Street, New York, NY 10011-4211 < <http://www.cambridge.org> > .

*Wild Flowers of Mombacho (Nicaragua) Flores Silvestres del Mombacho* by Helen Pickering. 2006. 217 pp. Sida, Botanical Miscellany 28, ISSN 0833-1475, ISBN 1-889878-14-6. \$15.00 (pbk). Botanical Research Institute of Texas, 509 Pecan Street, Fort Worth, TX 76102-4060; < <http://www.brit.org/> > .

*Woodland Carex of the Upper Midwest* by Linda Curtis. 2006. 171 pp. ISBN 987-0-9718065-0-4. \$19.95 (binder). Curtis to the Third, PO Box 731, Lake Villa, IL 60046; < <http://www.curtistothethird.com> > .

## NEW WEB SITES

**Interactive Key to Wetland Monocots.** There is a new Interactive Key to Wetland Monocots of the U.S. (ca. 2400 taxa) available from PLANTS ([plants.usda.gov](http://plants.usda.gov)). See < [http://npdc.usda.gov/technical/plantid/wetland\\_mono.html](http://npdc.usda.gov/technical/plantid/wetland_mono.html) > for details. It is free for use and download and requires no installation or registration. The data set was developed cooperatively by the Missouri Botanical Garden and the USDA NRCS National Plant Data Center and was compiled from numerous and varied sources by Dr. David Bogler of the Missouri Botanical Garden (ca. 1.7 million data points). The automated plant key runs in a new version of SLIKS < <http://www.stingersplace.com/SLIKS> > , which is free and requires no installation. It lets you identify the monocots known to occur in U.S. wetlands. The species list in this key is derived from the U.S. Fish and Wildlife Service National Wetland Inventory National List of Vascular Plant Species That Occur in Wetlands: 1998 National List. This draft plant character data set is for testing purposes only. For further information, click on the “Instructions, Information, Disclaimers and Policies” link after the application is loaded. The version of SLIKS (2.1) used for this particular application has Google lookup of terms, a character choice optimization algorithm and it lets you remove previously chosen character states and describe taxa in paragraph form, however, it was specifically designed for Microsoft Internet Explorer. If you need to use another browser, there are other options available at the SLIKS Web site ([www.stingersplace.com/SLIKS](http://www.stingersplace.com/SLIKS)) and transferring versions in SLIKS is as easy as copying the files. Agreements for completion of datasets for all U.S. grasses, all U.S. legumes, all U.S. gymnosperms and all U.S. Ericaceae have been made through various CESUs in the CESU (< [www.cesu.org](http://www.cesu.org) >) network and the data sets should be delivered over the next year. A fully illustrated glossary should also be delivered within the year. First drafts of the keys for the grasses of Louisiana and Missouri are available now for testing and evaluation by qualified botanists. Please contact me < [gerald.guala@la.usda.gov](mailto:gerald.guala@la.usda.gov) > for copies. — Stinger Guala.

### Interactive Keys at the Utah State Herbarium.

Keys for select members of the Poaceae, Cyperaceae, and Orchidaceae are being deployed at < <http://utc.usu.edu/keys/default.htm> > . These keys are based on accounts in the Flora of North America series and written in Lucid 3 < <http://www.lucidcentral.org> > . They work on both PCs and Macs and, apart from Java 1.4.2 (a free program), no additional player software is required. The keys use a “cascading character set”: As choices are made, new, previously unavailable characters become available. These are chosen by the program on the basis of choices made to that point and their value in identifying the remaining taxa. For those not sure whether they have an appropriate version on their computer, a Java version checker is provided on the homepage. Windows 98 is not supported unless a Java update is installed. Mozilla/Firefox is the preferred browser. For full functionality, the “Allow all pop-ups” option should be chosen.

