



**ASPT**

# The American Society of Plant Taxonomists ASPT NEWSLETTER

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## ASPT NEWS

### ASPT at the INTERNATIONAL BOTANICAL CONGRESS

A number of ASPT members and officers figured prominently at the recent XVI International Botanical Congress, held 1–7 August in St. Louis, Missouri. The president of the Botanical Congress was Peter H. Raven, past president of ASPT, and ASPT member John McNeill was Vice President. The following corresponding members of ASPT were Honorary Vice Presidents: Vernon Heywood, Alicia Lourteig, and Jerzy Rzedowski, and past ASPT president Ghillean Prance was also an Honorary Vice President. Recipients of the Millennium Botany Award included these ASPT members: Rupert C. Barneby, Alicia Lourteig, Rogers McVaugh, and Jerzy Rzedowski.

Instead of the usual annual banquet, ASPT sponsored a reception for systematic botanists, with tickets available to all persons attending the Botanical Congress. This well-attended reception was held on a lovely evening at the Missouri Botanical Garden.

At the annual Missouri Botanical Garden Breakfast, held this year with the IBC, it was announced that this year's **Greenman Award** went to **Colin Hughes** for his publication, "Monograph of *Leucaena* (Leguminosae-Mimosoideae)", Volume 55 of *Systematic Botany Monographs* 1998; this journal is published by ASPT

### Asa Gray Award Presented to Tod F. Stuessy at XVI IBC

Below is the text of Christiane Anderson's presentation of the Asa Gray award to Tod Stuessy.

"Every year the ASPT seeks to honor a botanist whose career has been especially distinguished, and to recognize special excellence in botany by bestowing its Asa Gray Award. This year it gives me great pleasure to present the Asa Gray Award to Dr. Tod F. Stuessy. Tod obtained his Bachelor's degree at DePauw University and his doctoral degree at the University of Texas. His longest association has been with the Ohio State University, where he was a professor for 31 years and now holds the title of professor emeritus. He was Deputy Director for Research and Collections at the Los Angeles Natural History Museum until he accepted an offer for his current positions at the University of Vienna as Professor and Chairman of the Department of Higher Plant Systematics and Director of the Botanical Garden.

"Tod's numerous publications record his varied research programs. His life-long interest in the Compositae is reflected by his many publications on taxonomy and evolution in that family, particularly in Latin America. With the Compositae as a starting point, Tod extended his investigations to floristics and phytogeography, with special emphasis on the Juan Fernández Islands, and, recently, the Korean Ullung Island. Tod has also published extensively on the theory and methodology of classification.

"His enviable research career should not overshadow his contribution as a teacher of undergraduate and graduate

students. Those who nominated Tod for the Asa Gray Award emphasized his patience and dedication in guiding students through their programs. The ASPT joins in recognizing Tod's multifaceted contributions to systematics with the Asa Gray Award. Tod, we salute you!"

Below is a list of Officers, Council Members, Editors, and Committees of ASPT for 1999–2000.

### OFFICERS

Shirley A. Graham, President  
Christiane Anderson, Past President  
Walter S. Judd, President-elect  
Lynn G. Clark, Secretary (2000)  
Melissa A. Luckow, Treasurer (2001)  
Sterling C. Keeley, Program Director (2000)

### COUNCIL MEMBERS AT LARGE

Dieter H. Wilken (2000)  
Kenneth J. Sytsma (2000)  
Elizabeth A. Kellogg (2001)  
Alan R. Smith (2001)  
Gregory K. Brown (2002)  
Andrea D. Wolfe (2002)

### EDITORS AND COMMUNICATIONS

#### *Systematic Botany*

Elizabeth F. Wells, Editor-in-Chief  
Patrick S. Herendeen, Managing Editor

#### Associate Editors

Christiane Anderson (Ex Officio)  
Richard J. Jensen (2000)  
Aaron Liston (2000)  
James R. Manhart (2000)  
Alan Whittmore (2000)  
Jerrold I. Davis (2001)  
Jeff H. Rettig (2001)  
Kathleen Kron (2002)  
John V. Freudenstein (2002)  
Paul Wilson (Biostatistics)  
Fred R. Barrie (Nomenclature)  
Janet R. Sullivan (Book Review Editor)

#### *Systematic Botany Monographs*

Christiane Anderson, Editor

#### Editorial Committee

Elizabeth F. Wells (Ex Officio)  
Melissa Luckow (2000)  
Peter C. Hoch (2000)  
Shirley A. Graham (2001)  
José L. Panero (2001)  
Fred R. Barrie (2002)  
Nancy A. Murray (2002)

#### ASPT Newsletter

Kenneth R. Robertson, Editor  
Lynn G. Clark (Ex Officio)  
Christiane Anderson (Ex Officio)

#### LOCAL REPRESENTATIVE (2000)

Carol Wilson, Portland State University

#### NOMINATIONS COMMITTEE

Christiane Anderson, Chair  
Brian M. Boom  
Robert S. Wallace  
Gregory K. Brown  
Tina J. Ayers

#### HONORS AND AWARDS COMMITTEE

Elizabeth A. Kellogg, Chair (2000)  
Matt Lavin (2001)  
Alan R. Smith (2001)

#### INTERNET COMMUNICATIONS COMMITTEE

Hugh G. Wilson, Webmaster and Chair  
John C. LaDuke (2000)  
Aaron Liston (2001)

#### ENVIRONMENT AND PUBLIC POLICY

Elizabeth A. Zimmer, Chair (2001)  
David M. Spooner (2000)  
Edward E. Schilling (2001)

#### PUBLICITY COMMITTEE

Andrea D. Wolfe, Chair (2000)  
Susan R. Kephart (2001)  
Timothy K. Lowrey (2001)

#### SYSTEMATICS COLLECTIONS COMMITTEE

Gregory M. Mueller, Chair (2001)  
Ellen A. Dean (2000)  
John V. Freudentsetin (2001)

#### REPRESENTATIVES TO OTHER SOCIETIES

AIBS: Robert B. Faden  
AAAS: Vicki A. Funk  
ASC: Gregory M. Mueller



#### UPDATE ON SYSTEMATIC BOTANY

30 June 1999

Dear Fellow ASPT Members,

We finally have a firm publication and mailing date for the last issue of *Systematic Botany* Volume 23. This issue (#4) was mailed on 12 July, 1999. Beginning with volume 24, *Systematic Botany* will be printed by Allen Press. The first issue of volume 24 is already printed and waiting for 23(4) to be mailed (postal rules prohibit mailing out of sequence). We were given 15 July as the mailing date for 24(1). In addition, 24(2) is ready to be printed and has gone to press. Therefore you can expect to receive 23(4), 24(1), and 24(2) within the next several weeks.

Manuscripts for 24(3) will be sent to Allen Press in July, and materials for 24(4) will go in September. Thus, the journal will be on schedule by the final issue of this year. We appreciate your patience with this situation.

We also appreciate your continued confidence in the journal—as of today, which is the final day of the special free page offer, we have received 47 new manuscripts in

1999 for publication in *Systematic Botany*. This represents approximately 20 more manuscripts than normal for this date. We choose to interpret this response as an expression of your confidence rather than some other explanation! Please note, the standard 10 free pages per year for ASPT members still applies so keep those manuscripts coming!

Sincerely,

Elizabeth F. Wells, Editor-in-Chief; e-mail: <efwells@gwu.edu> and Patrick S. Herenden, Managing Editor; e-mail: <herenden@gwu.eduherenden@gwu.edu> .

Both at this address: Department of Biological Sciences, The George Washington University, 2023 G Street NW, Washington, DC 20052.

#### ASPT GRADUATE RESEARCH AWARDS FOR 1999

Successful, funded proposals during the Spring 1999 competition were submitted by:

**Paul M. Beardsley**, University of Washington, The phylogenetic analysis of the genus *Mimulus* (Scrophulariaceae).

**Raymond Cranfill**, University of California at Berkeley, Phylogeny and biogeography of the *Blechnum occidentale* L. complex based on comparative morphological, nucleotide sequence, and cytological evidence.

**Charles C. Davis, III**, Harvard University, Phylogenetic studies of *Acridocarpus* and *Barnebya* (Malpighiaceae).

**Jocelyn Hall**, University of Wisconsin, Madison, Molecular systematics and floral evolution in the plant family Capparaceae.

**Malin S. Hibbs**, University of Maryland, College Park, A phylogenetic and biogeographic analysis of the tribe Sanguisorbeae (Rosaceae), with emphasis on the Pleistocene radiation of the high Andean genus *Polylepis*.

**Andrew Hipp**, University of Wisconsin, Madison, Phylogeny and patterns of convergence in *Carex*, section *Ovales* (Cyperaceae).

**Jason A. Koontz**, Washington State University, Hybrid speciation in *Delphinium gypsophilum* (Ranunculaceae).

**Tania Livschultz**, Bailey Hortorium, Cornell University, Systematics and evolution of ant associations in *Dischidia* R.Br. (Marsdenieae, Asclepiadaceae).

**Julie Morris**, Kent State University, A systematic study of the North American yellow lady's slipper orchids: a molecular and morphological approach.

**Valerie Reeb**, The University of Illinois at Chicago, Morphological circumscription of the family Acarosporaceae and the genus *Acarospora* (lichen-forming ascomycete).

tes), and the origin of polypsoy.

**Russell E. Spangler**, University of Missouri at St Louis, *Sorghum* (Poaceae): generic and species limits using scanning electron microscopy.

**Victor Steinmann**, Rancho Santa Ana Botanic Garden, Phylogenetic relationships within Euphorbiaeae subtribe Euphorbiinae (Euphorbiaceae) based on molecular evidence.

**Andrea McDermott Weeks**, University of Texas at Austin, Evolution and diversification of *Bursera* subgenus *Bullockia* McVaugh and Rzedowski.

**Michael J. Zanis**, Washington State University, Molecular systematics, floral evolution, and developmental genetics in monosulcate angiosperms.

### NEW ISSUES OF SYSTEMATIC BOTANY MONOGRAPHS

Volume 56. Monograph of *Pictetia* (Leguminosae-Papilionoideae) and review of the Aeschynomeneae, Angela Beyra M. and Matt Lavin, 93 pp, May 1999. ISBN 0-912861-56-8. US orders: \$13.00; non-US-orders: \$14.00.

Volume 57. Systematics of *Cobaea* (Polemoniaceae), L. Alan Prather, 81 pp, June 1999. ISBN 0-912861-57-6. US orders: \$11.00; non-US-orders: \$12.00.



### EXPEDITIONS

Russian Expedition

Dear Colleague,

Members of the Russian Academy of Sciences and Russian Botanical Society have formed an alliance of Russian scientists called Far East Association for Field Research and Exploration (FAREX). With the goal of obtaining a wide spectrum of geographical, botanical, and ecological information from never or poorly explored parts of the Russian Far East, FAREX invites foreign colleagues to participate in 1999 expeditions in the following areas of the Russian Far East: Kamchatka and Northern Kuriles, the Magadan region, and Sakhalin. The members of FAREX are well experienced (10–20 years) in organizing wilderness expeditions through unpopulated regions of virgin nature. During the years of 1992–1998 our foreign colleagues worked with us on expeditions to Kamchatka, the Kuril Islands, and Primorye. Below are rough schedules to be corrected in the future. Dates: Kamchatka and Northern Kuriles, 20 June–25 July. Options are only Kamchatka trip (two weeks), Northern Kuriles trip (three weeks), and both trips five weeks. Objective: the exploration of flora and vegetation in areas of active volcanoes, hot springs, geysers, and the

highest far eastern mountains. Areas: Karymskiy and Avachinskiy volcanoes (eastern Kamchatka), Kluchevskoy (4,850 m), Tolbachik volcanoes, Mt. Ploskaya (4,106 m, central Kamchatka), and volcanoes of Paramushir and Alaid Islands. Transportation: to Petropavlovsk-Kamchatskiy directly by air or via Vladivostok. Within area: by helicopter and truck. Sakhalin Island: 1–20 September. Option: field trip in southern Primorye (Vladivostok area) one-week. Objective: Journey of botanical and geographic exploration from south to north on the island. Exploration of virgin boreal vegetation in the maritime climate zone. Transportation: to Yuzhno-Sakhalinsk directly by air or via Vladivostok. In area: by truck. Who can participate: botanists, ecologists, geographers, and other specialists, including students. Volunteers are also welcome. Team: A typical group will include five to six Russians and three to five foreign colleagues, whose participation will support the expedition. Please note that the number of participants will be limited. For more information, please contact Dr. S. Grishin, Institute of Biology and Pedology, Russian Academy of Sciences, Vladivostok, 690022 Russia. E-mail: < sgrishin @ mail.primorye.ru > . You will also soon be able to get more information from the FAREX Web site. Please, inform your colleagues! Posted 6 May 1999]



### PEOPLE

**Randall L. Small** finished his Ph.D. at Iowa State University in May 1999 and accepted an Assistant Professor position in the Botany Department at the University of Tennessee, Knoxville in August. He will continue to pursue molecular phylogenetic studies of Malvaceae (*Gossypium* and *Hibiscus*) as well as studies of molecular evolution of nuclear-encoded multigene families in plants. His new address is: Department of Botany, University of Tennessee, Knoxville TN 37996-1100; phone: 423 974-9201; fax: 423 974-2258; e-mail: < rsmall@utk.edu > .

**Bruce MacBryde** has accepted an offer of the Research Botanist position in the Central Botany Program at The Nature Conservancy's International Headquarters in Washington, DC (Ballston). This new position will focus primarily on development and refinement of central botanical data, particularly Element Global Ranks and their accompanying documentation forms. Bruce started work in the office in late August. Bruce is probably best known to conservation botanists for his work at the U.S. Fish and Wildlife Service, first in their Endangered Species Program (1975–1984) and more recently in the Office of Scientific Authority (1984–1998), which deals with the CITES treaty. Bruce has also worked in British Columbia, Ecuador, and California. His Ph.D. research at the Missouri Botanical Garden was in the mainly neotropical family Malpighiaceae.

~~**Nancy Morin** became Executive Director of The Arboretum at Flagstaff, Arizona, on 15 August 1999, after serving for nearly three years as Executive Director of the American Association of Botanical Gardens and Arboreta. Her new address is: The Arboretum at Flagstaff,~~

4001 South Woody Mountain Road, Flagstaff, AZ 86001-8776; voice: 520 774-1142; fax: 520 774-1441; e-mail: < morin@fna.org > .

**Javier Francisco-Ortega** has been recently hired as the molecular plant systematist at Fairchild Tropical Garden and Florida International University. Dr. Francisco-Ortega is presently working on a National Science Foundation project with the University of Texas to study the evolution and origin of the Macaronesian flora in the Canary Islands. In addition to molecular systematics, Dr. Francisco-Ortega also has a keen interest in the conservation of island plant biodiversity. He joined FIU/FTG in January 1999. The new address is: Research Center, Fairchild Tropical Garden, 11935 Old Cutler Road, Miami, FL 3156-4292; phone: 305 665-2844; e-mail: < a3835@hotmail.com > . [Posted 9 August 1999]

**Thomas G. Lammers** has accepted the position of Assistant Professor and Curator of the Herbarium in the Department of Biology and Microbiology, University of Wisconsin, Oshkosh, Wisconsin, 54901-8640, effective 1 September 1999. He replaces Dr. Neil A. Harriman, who will continue as Curator Emeritus. Prior to this position, Lammers spent nine years as an Assistant Curator in the phanerogamic herbarium of the Field Museum of Natural History in Chicago, Illinois. Lammers intends to continue his research program on world Campanulaceae, especially Neotropical and Hawaiian Lobelioideae, and will be pleased to receive specimens of that family in exchange or as gifts for determination. The herbarium telephone number continues to be 920 424-1002, and Professor Lammers may also be reached at < lammers@uwosh.edu > .



## INSTITUTIONS

### Shelby Gardens Receives Orchid Conservation

**Award:** At the recent 16th World Orchid Conference in Vancouver, B.C., Canada, Marie Selby Botanical Gardens, located in Sarasota, Florida, won three prestigious awards for its orchid conservation display. A Gold Medal and a trophy depicting Vancouver's mountains etched with an orchid were presented to Dr. Raul Rivero, Selby's Director of Environmental Education. In addition, the Gardens received the first award given in the new "Conservation Posters" category for its International Cooperation for Orchid Conservation display. It is a privilege for Selby Gardens to win this premier award. Selby Gardens is the only botanical garden in the world that provides Orchid Conservation Education in the threatened habitat of tropical orchids.



## NEWS FROM OTHER SOCIETIES

### International Association for Plant Taxonomy.

The newly elected officers for IASP are: President, **G.T. Prance** (UK); Vice-President, **P. Baas** (Netherlands); Secretary-Treasurer, **T.F. Stuessy** (Austria); Administrator of Finances, **P.F. Stevens** (USA). Council members: **T. Ahti** (Finland); **E. Forero** (Colombia); **W. Greuter** (Germany); **P. Holmgren** (USA); **D.J. Mabberley** (Australia); **J. McNeill** (Canada); **C.I. Peng** (Republic of China); **J. Rzedowski** (Mexico); **W.L. Wagner** (USA); **J. West** (Australia).



## JOB OPPORTUNITIES

Persons in the job market should consult the Newsletter/Current News section of the ASPT homepage < <http://www.inhs.uiuc.edu/~kenr/ASPT/current.html> > 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 [month/ day/year].

### Director of Research, Fairchild Tropical Garden:

Fairchild Tropical Garden seeks a Director of Research to provide administrative and scientific leadership to the Garden's Research Department. Fairchild Tropical Garden, located in Miami, is the largest tropical botanical garden in the continental United States with extensive collections of palms, cycads, tropical flowering trees, vines, epiphytes, endangered species and tropical fruit cultivars. Qualifications of the Director of Research must include a Ph.D. in botany or other plant science. The candidate should demonstrate administrative and leadership experience, have the ability to develop programs and write successful grants, and be skilled in networking and strategic planning. Priority will be given to candidates who have tropical experience and are bilingual (preferably Spanish or French). Interested candidates should send a recent *curriculum vita*, the names of three professional references and a cover letter detailing the candidate's experience in research, management and training to: Dr. Julia Kornegay, Acting Director, Fairchild Tropical Garden, 10901 Old Cutler Road, Miami, FL 33156. Voice: 305 667-1651 ext. 3374; fax: 305 667-6930; e-mail: < [kornegay@fiu.edu](mailto:kornegay@fiu.edu) > . [Posted 23 August 1999]

### Faculty Position in Plant Systematics, University of California, Riverside:

The Department of Botany and Plant Sciences, University of California, Riverside, invites applications for a tenure-track position at the rank of Assistant Professor with a title in the Agricultural Experiment Station. The position will be available

1 July 2000. The appointee will be expected to develop a vigorous, innovative, independent research program that employs contemporary methods and analytical tools to address fundamental questions in plant systematics and evolution. Applicants must possess a Ph.D. and preferably have two years of postdoctoral training in systematics or a closely related field. The successful candidate will teach at the undergraduate and graduate level and supervise graduate students. Review of applications will begin 1 December 1999 and continue until the position is filled. Applicants should send: (1) a *curriculum vita*, (2) a statement of research interests, and (3) the names and addresses of at least three references to: Dr. Elizabeth M. Lord, Chair, Department of Botany and Plant Sciences, University of California, Riverside, CA 92521-0124. E-mail: <lord@citrus.ucr.edu>; fax: (909) 787-4437. Additional information about the department and the position is available at: <<http://cnas.ucr.edu/~bps/homepage.htm>>. [Posted 23 August 1999]

**Research Taxonomist, Brooklyn Botanic Garden:**

Brooklyn Botanic Garden seeks a Plant Taxonomist/Systematist with interest in floristics to join a team writing the *New York Metropolitan Flora* (see <http://www.bbg.org/nymf>). Duties include writing vascular plant descriptions and keys in DELTA language format, performing taxonomic research related to flora, pursuing other systematics research interests using traditional and/or modern methods. On-site facilities include a herbarium of local flora with over 250,000 accessions, a 57,000-volume research library, and a laboratory equipped for anatomical and molecular techniques; the opportunity to teach at high school and graduate levels. Ph.D. in Plant Taxonomy/Systematics with demonstrated ability to write descriptions and keys are required. Field experience, knowledge of northeastern flora, and GIS and database systems experience preferred. must be able to work independently and as team member of the research staff. Send *curriculum vita*, a letter with statement of research interests and goals, and names and addresses of three references to: Human Resources, Brooklyn Botanic Garden, 1000 Washington Avenue, Brooklyn, NY 11225. Fax: 718-622-7826. [Posted 23 August 1999]

**Assistant Professor Plant Biologist: Anatomy/Morphology, Louisiana State University:** The Department of Biological Sciences at Louisiana State University invites applications for a tenure-track assistant professor position specializing in contemporary Plant Anatomy/Morphology. Review of applications will begin 27 September 1999 and will continue until a suitable candidate is identified. Qualifications require a Ph.D. or equivalent degree and interest in teaching a course in plant anatomy. Preference will be given to applicants with postdoctoral experience. Send *curriculum vita*, selected reprints, statement of research and teaching interests, three letters of recommendation, and an outline for a course in Plant Anatomy at the senior/graduate student level to: Dr. L. Urbatsch, Chair, Plant Biology Search Committee, Ref. Log # 210, Department of Biological Sciences, 508 Life Sciences Bldg., Louisiana State University, Baton Rouge, LA 70803. E-mail: <leu@lsu.edu>; Web site: <<http://www.biology.lsu.edu>>. [Posted 16 August 1999]

**Vascular Plant Systematist, University of Minne-**

**sota:** The James Ford Bell Museum of Natural History and the Department of Plant Biology at the University of Minnesota announce a nine-month tenure-track position for an assistant professor and herbarium curator in the area of vascular plant systematics. Candidates must have an active herbarium-based research program involving vascular plants, emphasizing a conceptual area such as phylogenetics, speciation, biogeography, or conservation. In addition to maintaining an extramurally funded research program, the successful candidate will be expected to teach an undergraduate course in Systematic Botany; a course or specialty seminar in his/her area of expertise; advise undergraduate and graduate students; assist in the curation of the sixth largest academic herbarium in the United States; and help maintain scientific content and accuracy in the public outreach programs of the Bell Museum. Tenure will reside in the Department of Plant Biology. A Ph.D. and herbarium experience is required; post-doctoral experience is preferred. Please send a *curriculum vita*; up to five selected reprints; a statement of research, teaching, and curatorial interests and experience; and names and addresses of three references post-marked by 15 October 1999 to: Dr. David Biesboer, Chair Search Committee, Department of Plant Biology, 220 Biological Sciences Center, 1445 Gortner Avenue, University of Minnesota, St. Paul, Minnesota 55108. For further information visit the College of Biological Sciences Web site at <<http://biosci.cbs.umn.edu/cbs.html>> or contact the search chair via phone at 612-625-1799 or email at <biesboer@tc.umn.edu>. [Posted 10 August 1999]

**Plant Ecologist and Plant Systematist (two positions) at the Assistant Research Scientist rank, Illinois Natural History Survey (Grant funded, full-time):** Location: Illinois Natural History Survey in Champaign, Illinois. Job description: The Plant Ecologist and Plant Systematist will work in the Statewide Biological Assessment Program, a program established by contract with the Illinois Department of Transportation (IDOT). The incumbents will be responsible for conducting vegetation surveys in these project areas, describing typical and noteworthy plant communities present and their species composition, occurrence and abundance of threatened and endangered species, and the natural quality of the vegetation highlighting areas with outstanding ecological integrity (i.e., natural areas). Qualifications: The candidates must have a Masters or Ph.D. in plant biology or related discipline, with emphasis and research experience in area of specialty. The **Plant Ecologist** must have a thorough knowledge of how to design and implement quantitative sampling regimes for vegetation; familiarity with collecting techniques for herbaria is preferred. The **Plant Systematist** must have a thorough knowledge of herbarium techniques and systematic field methodologies; familiarity with quantitative vegetation sampling techniques is preferred. Salary: for candidate with Masters degree \$28,000 to \$34,000; for Ph.D. \$38,000 to \$40,000. Available: 1 November 1999 (negotiable). Application: To ensure full consideration, applications should be received by 3 September 1999. To apply, submit cover letter, résumé, and names, addresses, and phone numbers of four references to: Ms. Sue Key, Human Resources Manager, Plant Ecologist (PRF # 622A) or Plant Systematist (PRF

# 622B) position, Illinois Natural History Survey, 607 E. Peabody Drive, Champaign, IL 61820. Voice: 217 244-4592; fax: 217 333-4949. You MUST indicate on application form the position (systematist or ecologist) for which you are applying (use PRF#). Specific questions regarding the positions should be referred to John B. Taft, Search Chair, (217) 244-5046. E-mail: < taft@mail.inhs.uiuc.edu > . [Posted 30 July 1999]

**Conservation Scientist I–IV (Botanist), Texas Parks and Wildlife, Austin:** Job Posting No: 99-43-579. Position Title: Conservation Scientist I–IV (Botanist). Class No.-Salary Group: C106-C103/B5-B8. Salary: Not to exceed \$3,164/mo. Division: Wildlife. Address: 3000 IH-35 South, Suite 100, Austin, TX 78704. Voice.: 512 912-7047; fax: 512/912-7058. Posting date: 6 July 1999. Closing date: 16 August 1999. Minimum qualification requirements: Education: (1) B.S. degree from an accredited college or university in environmental botany, plant ecology, plant taxonomy or closely related natural resource discipline with major course work in plant identification, habitat conservation, management and/or research; (2) A Master's degree from an accredited college or university may be substituted for one year of the required experience as listed below; (3) A Ph.D. from an accredited college or university may be substituted for two years of the required experience as listed below. Experience: (1) None required; (2) Entry at level above Conservation Scientist I dependent on more advanced degree and/or relevant experience. License: Must possess or be able to obtain a Texas Class "C" operator's license. Additional Requirements: (1) Copy of official college transcript(s) required at time of application; (2) Résumé and professional references, but not in lieu of a completed, official State of Texas application for employment. Forward application to: Texas Parks and Wildlife, Employment Recruitment and Retention Branch, 4200 Smith School Road, Austin, TX 78744. [Posted 21 July 1999]

**Sabbatical Replacement, Hiram College:** One-year sabbatical replacement beginning August 1999 through May 2000 at Hiram College. Teaching six courses including: General Botany (fall and spring terms), Systematics of Nonvascular Plants (fall), Systematics of Vascular Plants (spring), and two other courses in candidates area(s) of expertise (e.g., Plant Anatomy, an interdisciplinary course, a seminar for first-year students). Ph.D. preferred, ABD considered. Applications should be submitted to: Dr. Prudence J. Hall, Acting Chairperson, Department of Biology, Hiram College, P.O. Box 67, Hiram, OH 44234. Fax: 330 569-5448; e-mail: < hallpj@hiram.edu > . < http://www.hiram.edu > . [Posted 19 July 1999]

**Systematic Botanist, California Academy of Sciences:** The California Academy of Sciences invites applications for its Lindsay Chair of Botany in the department of Botany. Appointment to this newly endowed position may be made at any rank. Candidates must have a Ph.D., an active research program with demonstrated interest in and competence in a particular group of land plants, and be prepared to participate in a variety of curatorial, administrative, and public educational activities at the

academy. Post-doctoral or equivalent experience is strongly preferred. A detailed position description and other information about the academy are available through the academy's Web site < http://www.calacademy.org/research/ > . Applicants should forward a *curriculum vita*, a cover letter that includes a description of research goals, the names, mail, and e-mail addresses, as well as telephone and fax numbers of three references to: Human Resources Department, Attention: Systematic Botanist Position, California Academy of Sciences, Golden Gate Park, San Francisco CA 94118-4599. Deadline for applications is 1 September 1999. [Posted 15 July 1999]

**Curator of the Herbarium and Assistant Professor of Plant Molecular Systematics, University of Alaska:** The University of Alaska Museum and the Department of Biology and Wildlife seek qualified applicants for a tenure track position as Curator of the Herbarium and Assistant Professor. The appointee is expected to curate and develop the herbarium, teach one course per year (Systematic Botany or a course in an area of specialty), supervise graduate students, and establish a vigorous, extramurally funded research program complementing evolutionary and plant biology at UAF. Applicants with experience in managing and using traditional museum collections; a background in comparative biology and theory of phylogenetic analysis; and experience in using molecular techniques are preferred. A completed Ph.D. is mandatory and post-doctoral experience is preferred. The appointment should begin in August, 2000. Send applications including statements of research interests, teaching philosophy, curatorial experience, *curriculum vita*, and three letters of reference by 3 September 1999 to: Dr. A. Dave McGuire, Chair, Curator of Herbarium Search Committee, Biology and Wildlife Department, University of Alaska Fairbanks, Fairbanks, Alaska 99775-7000. Phone: 907 474-7656; fax: 907 474-6967; e-mail: < ffadm@uaf.edu > . [Posted 14 July 1999]

**Head of Botany, The Natural History Museum, London:** The Natural History Museum is seeking to appoint as Head of the Botany Department a dynamic leader of international scientific reputation and high-level management skills. The Head of the Department (the Keeper) will be responsible for the contribution the department makes to the interdisciplinary research themes of the museum and for managing the department's staff, collections, consultancy and facilities. You will be expected to undertake research at a high level and to aid the Museum's scientific development. As a member of the senior scientific team, the head will also contribute to the formulation and implementation of the museum's science policy and corporate objectives. This is a permanent appointment from 1 November 1999. Starting salary is in the range £48,000–53000, with a non-contributory pension scheme. Application is by *curriculum vita* and covering letter with the names of three referees. Closing date for applications is 9 July 1999. For further information, please contact: Emma Wilson, Department of Human Resources, The Natural History Museum, Cromwell Road, London SW7 5BD, United Kingdom. Fax: + 44 (0)171 938 9009; e-mail: e.wilson@nhm.ac.uk; Web: < http://www.nhm.ac.uk/science > . [Posted 11 June 1999]

**Molecular Systematist, Royal Botanic Gardens, Melbourne, Australia:** This is a unique opportunity to join the Royal Botanic Gardens (RBG), Melbourne, in the Plant Sciences and Biodiversity Division. As a molecular systematist you will undertake research on the systematics of selected plant or fungal groups using molecular techniques. You will manage a molecular laboratory, seek external funding for research and monitor expenditure, and contribute to the scientific curation of the collections held at the National Herbarium of Victoria. You will provide advice on specialist issues to the RBG and other organisations. You may be required to supervise post-graduate students and deliver lectures at local tertiary institutions. You will have a Ph.D. in systematics or equivalent experience, with extensive research experience in plant or fungi systematics using molecular techniques. You will have excellent communication skills and prepare results of research for publication. Contact Joanna Tippett on +61 3 9252 2300 for a position description or Dr. Marco Duretto on +61 3 9252 2313, or e-mail < duretto@rbgmelb.org.au > for further information. Applications should address the key selection criteria listed in the position description and be sent by Friday, 25 June 1999 to: Manager, Human Resources, Royal Botanic Gardens, Birdwood Avenue, South Yarra, Victoria 314 Australia. [Posted 3 June 1999]

**Plant Taxonomy/Biodiversity, University of Saskatchewan:** The University of Saskatchewan, Department of Biology invites applications for a faculty position in Plant Taxonomy/Biodiversity at the level of Assistant Professor, commencing 1 January 2000. This is a tenure-track position in the Department of Biology, with a joint appointment in the Department of Plant Sciences. Requirements include a Ph.D., preferably with teaching experience. The successful applicant will be responsible for teaching courses such as introductory Plant Taxonomy and for curatorship of the W.P. Fraser Herbarium. The successful candidate is expected to develop a dynamic research program and to collaborate with other plant scientists on campus. Send *curriculum vita*, a statement of teaching and research interests, as well as the names, addresses, telephone/fax numbers, and e-mail addresses of at least three referees to: Chair, Selection Committee, Department of Biology, University of Saskatchewan, 112 Science Place, Saskatoon, SK S7N 5E2, Canada. Telephone: 306-966-4400; fax: 306-966-4461. The closing date for applications is 1 September 1999. [Posted 27 May 1999]

**Director of the Wyoming Natural Diversity Database:** The University of Wyoming invites candidates to apply for the position of Program Director of the Wyoming Natural Diversity Database (WYNDD), Wyoming's state biological heritage program < <http://www.uwyo.edu/wyndd> > . Desired qualifications of the director are: 1) experience and proven administrative ability in private business, government, or academia; 2) experience in biological inventory, conservation biology, or landscape ecology; 3) an advanced degree in a field appropriate to the responsibilities of the position; 4) familiarity with the network of natural heritage programs; 5) knowledge of the landscapes and biota of the western U.S., and 6)

familiarity with the mission of land grant universities. Applications will close on 30 June 1999 with the goal of filling the position on 1 September 1999. For inquiries or applications contact: William A. Reiners, Acting Director, Wyoming Natural Diversity Database, 1604 Grand Avenue, Laramie, WY 82070. Phone: 307 745-5026; fax: 307 745-1506; e-mail: < reiners@uwyo.edu > . [Posted 13 May 1999]

**Museum Systems Administrator Position, University of Kansas:** The University of Kansas Natural History Museum and Biodiversity Research Center seeks to fill a permanent position to support system, network, and Web operations within the museum and across a national biological systematics research effort. Strong technical support, interpersonal and organizational skills are required. Experience with collections data a plus. Duties center on museum hardware, software support, and Web-based data distribution for research efforts. Part- or full-time, flexible hours are available. For complete position description contact: Jordan Yochim, Assistant Director for Administration, University of Kansas Natural History Museum, 602 Dyche Hall, Lawrence, KS 66045. Phone: (913) 864-4540, e-mail: < jeyochim@ukans.edu > . Review of applications will begin 24 May 1999. [Posted 12 May 1999]

**Curatorial Assistant II, Harvard University Herbaria:** Duties and responsibilities: Working with the Curator of the Farlow Library and Herbarium, the Assistant Director for Collections, the Manager of the Systematics Collections and the Collection/Research Associate in the Farlow Herbarium of Cryptogamic Botany, will assist in the rehousing and renovation of the bryological and part of the lichenological collections. Requirements: College degree with specialized courses pertaining to taxonomy and/or herbarium/museum collections preferred; word processing and data entry skills, preferably with knowledge of the DOS/Windows 95 environment and specimen databases. Strong interpersonal skills and communication skills; ability to work well independently and with others. Ability to lift up to 40 lbs. OEB Research, Salary Grade: 6. Interested applicants should send a résumé and cover letter to: Mary Reynolds, OEB Research, 26 Oxford Street, Cambridge, MA 02138. NOTE: This is a temporary, grant-funded position. For more information on the Harvard University Herbaria, please see our Web site at < <http://www.herbaria.harvard.edu> > . [Posted 3 May 1999]

**Assistant Professor: Plant Taxonomy, Southwest Missouri State University:** The Department of Biology at Southwest Missouri State University invites applications for a tenure-track position in Plant Taxonomy at the level of Assistant Professor. Requirements for the job include a Ph.D. with a specialty in Plant Taxonomy and a record of publication. Primary duties include teaching courses in General Biology and introductory and advanced courses in Plant Taxonomy and Systematics; student advisement; research and publication; and involvement with the graduate program. Salary will be commensurate with experience. The starting date is 16 August 1999. Additional information about the department can be found at < <http://biology.smsu.edu> > . Review of applications will begin 15 June 1999. Applicants

should submit a letter of application specifying teaching and research interests, a *curriculum vita*, and three letters of reference to: Dr. Alicia Mathis, Chair, Plant Taxonomy Search Committee, Department of Biology, Southwest Missouri State University, Springfield, MO 65804-0095. Phone: 417 836-5699; fax: 417 836-4204; e-mail: < sam477f@mail.smsu.edu > . [Posted 28 April 1999]

**Assistant Professor, Systematics, University of New Mexico:**

The Department of Biology at the University of New Mexico is seeking applicants for a full-time, tenure-track position at the Assistant Professor level in systematics with expertise in phylogenetic theory and analysis, to begin August 21, 2000, pending budgetary capability. Minimum requirements: Ph.D. in some sub-discipline of biology by the start date. Preferred characteristics: post-doctoral experience; familiarity with statistical approaches to phylogenetic inference and a thorough understanding of the theory of phylogenetic analysis and algorithm construction; expectation of developing an independent, vigorous research program; commitment to excellence in teaching at the undergraduate through graduate level. To apply, provide the following: a *curriculum vita*; a bibliography with two to three reprints of significant publications; a brief description of research interests; and a brief statement of teaching interests and philosophy. Arrange to have three letters of recommendation sent to the Systematist-Phylogeneticist Search Committee within one week of the closing date. E-mail applications will be accepted provided the original is mailed within 24 hours. The e-mail address for applications or inquiries is < vkent@unm.edu > . The applicant is responsible for having three letters of recommendation sent to: Systematist/Phylogeneticist Search Committee, Department of Biology, University of New Mexico, Albuquerque, NM 87131-1091. Phone: 505 277-3411; fax: 505 277-0304. Completed applications must be received at the above address by 25 June 1999. [Posted 28 April 1999]

**Digitization of Historical Plant Collections, The Natural History Museum, London: Digitizing Technician** (1 year) and **Data Entry Technician** (6 months)

£17,000–19,000 / year pro rata for both posts dependent on experience). The Natural History Museum, Botany Department is looking for two energetic and enthusiastic people to work on a major project partly funded by the Heritage Lottery Fund through the Millennium Festival Fund . We aim to create a Web- accessible database of images and other information on the historically and scientifically important 17th Century Jamaican plant collections of Sir Hans Sloane and Paul Hermann. **Digitizing Technician:** This post will be for one year starting in May/June 1999. Responsibilities will include capturing and manipulating images of plant specimens using a digital camera and development of the Web front end for the database. Applicants should preferably have a degree in a natural history-related subject and /or photographic/multi-media experience. They should have experience in digital imaging and the use of software packages such as Adobe Photoshop and/or experience with multi-media, HTML and Web editors. **Data Entry Technician:** The databasing technician post will be for 6 months start-

ing in May/June 1999 and will be mainly responsible for gathering data relating to the plant specimens from library and other sources and adding to the database. Applicants should preferably have a degree in a biological subject and/or an IT qualification. Experience and ability in accurate data entry is essential as is the use of commonly used database packages such as MS Access. Experience in collections management and HTML would also be an advantage. To apply send a *curriculum vita* and covering letter to Dr Rob Huxley, Dept of Botany, The Natural History Museum, Cromwell Road, London SW7 5BD, UK or by e-mail (in body text or MSWord 97/RTF attachment) to < rh@nhm.ac.uk > . The closing date for applications is Wednesday 5 May 1999. For an informal discussion contact Dr Rob Huxley, Head of Curation Division, Department of Botany, The Natural History Museum, Cromwell Road, London SW7 5BD, UK. Phone (44) 171-938-8823; fax (44) 171-938-9260; e-mail: < r.huxley@nhm.ac.uk > .

**Research Botanist/Plant Taxonomist, U.S. National Arboretum:**

The Floral and Nursery Plants Research Unit, U.S. National Arboretum, Agricultural Research Service, US Department of Agriculture, invites applications for a senior-level Research Botanist (Plant Taxonomist; GS14/15) who will be responsible for original biosystematic, taxonomic, and nomenclatural research on cultivated woody plants and their wild-occurring allies of potential scientific, economic, and landscape utility. Candidates must have: 1) Research experience leading to peer-reviewed publication; 2) Knowledge of floristics, classical plant systematics, molecular and biosystematics, and plant phylogeny; 3) Ability to plan, organize, and coordinate a regional or national floristics project; 4) Ability to coordinate domestic and international field expeditions; and, 5) Knowledge of ornamental plants and their wild-occurring relatives. A Ph.D. is desirable. Must be a U.S. citizen. Salary is commensurate with experience (\$68,570–\$104,851 per annum). For information on application procedures/forms contact: USDA, ARS, Human Resources Division, 301/504-1351; or < http://www.ars.usda.gov/ > . Applications in response to this advertisement should be marked ARS-S9E-9186 and must be postmarked by 24 May 1999. [Posted 23 April 1999]

**Horticultural Plant Taxonomist, Denver Botanic Gardens:**

The Denver Botanic Gardens is seeking a Horticultural Plant Taxonomist. Position summary: Manage all aspects of living horticultural plant identification, documentation and labeling. Assists in interpretation. Skills and abilities: Excellent knowledge of plant taxonomy, with horticultural emphasis preferred. Must possess strong knowledge of IBM-compatible computers, BG-Base or similar plant record database software, Microsoft Word, e-mail and standard office equipment. Education requirements: MS in Plant Taxonomy or equivalent related work experience; Ph.D. in Plant Taxonomy with horticultural emphasis preferred. Experience: Five years experience in Plant Taxonomy with emphasis in horticultural applications. Must have experience in plant record databases and plant labeling at a public garden. Five years experience managing large, diverse living horticultural plant collection documentation; budget management. To apply: Submit completed application and/or résumé with

salary requirements. Obtain more information and application forms from: Human Resources, 909 York Street, Denver, CO 80206. Jobline: 303370-8000; fax: 303 370-8004; e-mail: < mclennas@-botanicgardens.org >. Open until filled. [Posted 26 March 1999]



## 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 top of “Job Opportunites.”

**Research Studentship in Computational Biology, United Kingdom:** Applications are invited for a research council-funded studentship which forms part of an ongoing interdisciplinary collaboration between The Open University and The Natural History Museum. The project aims to build a model of species names, the relationships between them, and how the names and their relationships change through time. The studentship will provide an opportunity to work in two world famous institutions. It will give training, research and employment opportunities in important and current research topics, in areas that include biodiversity, taxonomy, and systematics in the biological sciences, and knowledge of advanced database systems and object-oriented technology in computer science. Ideally, candidates should have a background in computer science and biology, however candidates with a strong background in one discipline and some interest in the other will also be considered. Further information may be obtained from: Dr David R. Morse, Senior Research Fellow, Computing Department, Faculty of Mathematics and Computing, The Open University, Walton Hall, Milton Keynes MK7 6AA, UK. E-mail: < D.R.Morse@open.ac.uk > ; phone: +44 (0)1908 858463; fax: +44 (0)1908 652140. For an application form and prospectus please phone 0870 900 0308 or e-mail: < CES-Gen@open.ac.uk >. Please quote ref no. RD99F. Please note that applicants for this studentships must satisfy BBSRC eligibility rules regarding residency (see the BBSRC Web site < http://www.bbsrc.ac.uk/ >. Applications should be submitted by 20 July 1999. [Posted 12 July 1999]

**Post-doctoral Position - Plant Systematics, Harvard University:** The position involves molecular and morphological systematics studies in Malvaceae (including the traditional families, Malvaceae, Bombacaceae, Sterculiaceae, and Tiliaceae). The primary objectives are to: 1) resolve the relationships at the base of the major

clade, Malvadendrina; 2) to resolve relationships of taxa traditionally placed in Bombacaceae; 3) to integrate this information with the fossil record and biogeography; and, 4) to study comparative floral (especially androecial) development (hopefully ultimately involving studies of gene expression). The methods involved will be PCR/sequencing of single-copy nuclear genes and morphological/developmental analyses. An ideal candidate would have a strong background in Plant Morphology/Developmental Biology and Phylogenetics. Previous experience in molecular techniques is desirable but not essential. The position is available anytime after September 1, 1999 and will hopefully be filled before January 1, 2000. The salary is \$26,000–\$28,000 depending on prior experience. Two or more years of support available. Applications will be reviewed starting 8 August 1999. To apply please send or e-mail (Word attachments fine) a *curriculum vita* and the names of two or more references to: David Baum, Department of Organismic and Evolutionary Biology, Harvard University Herbaria, 22 Divinity Avenue, Cambridge MA 02138. Voice: 617 496-6744, -8766; fax: 617 495-9484; e-mail: < dbaum@oeb.harvard.edu > ; < http://www.herbaria.harvard.edu/~dbaum >. [Posted 7 July 1999]

**Research Studentship in Systematic Botany, The Natural History Museum, London:** The Department of Botany at the Natural History Museum, London announces that it has a Ph.D. studentship in systematic botany available in October 1999. You can find out more about the department from our Web site at < http://www.nhm.ac.uk/botany/ > and in particular from our on-line newsletter, *Plant Cuttings*. If you are interested in being considered for the studentship please send (preferably by e-mail to < sb@nhm.ac.uk >) your *curriculum vita* and a brief outline of your interests in systematic botany as soon as possible to: Professor Stephen Blackmore, Keeper of Botany, The Natural History Museum, Cromwell Road, London SW7 5BD, United Kingdom. [Posted 21 June 1999]

**Ph.D. Studentship: Systematics of Australian Polygalaceae, Australian National Herbarium:** The Centre for Plant Biodiversity Research, including the Australian National Herbarium, is offering the following position: Ph.D Studentship: Systematics of Australian Polygalaceae. Term: Three years, subject to satisfactory progress A Post-Graduate Scholarship funded by ABRS (Australian Biological Resources Study) and placed in CSIRO Plant Industry and the Australian National Herbarium is available for research in plant systematics of Australian Polygalaceae. The successful applicant will be expected to: 1) have primary interest in, and commitment to, collection-based research in systematic botany; 2) be familiar with, or be keen to learn, a range of systematic methods and techniques (e.g. comparative, morphological, molecular, cytogenetic, phylogenetic, and historical biogeographic analyses) in their research; and 3) have interest and experience in field work. He/she will develop a research program/project with a mix of morphological and molecular studies to work on the Australian Polygalaceae. A detailed outline of the project can be found at: < http://www.anbg.gov.au/cpbr/phd/phd.html >. The student will be required to enroll and be accepted for a Ph.D. in the Australian National University, Canberra.

Research will be carried out at the Australian National Herbarium, Centre for Plant Biodiversity Research under the supervision of Dr. Randall Bayer. Contact Dr. Bayer for further details at: Dr. Randall J. Bayer, Principal Research Scientist, CSIRO - Plant Industry, Australian National Herbarium, GPO Box 1600, Canberra, ACT, 2601 Australia. Phone: (02) 6246 5514; e-mail: < r.bayer@pi.csiro.au > . [Posted 29 April 1999]

**Graduate Research Assistantship in Plant Taxonomy and Floristics, New Mexico State University:**

New Mexico State University, Department of Animal and Range Sciences, Master's degree level only. Available June 1999. Two year duration. Annual stipend of approximately \$12,200. Out-of-state tuition is waived; student pays in-state tuition and fees. Research in the area of grass systematics and general floristics, but flexible according to student's interests and needs. Contact Dr. Kelly Allred, New Mexico State University, Department of Animal and Range Sciences, Box 30003, Dept 3-I, Las Cruces, NM 88003. Phone: 505 646-1042; e-mail: < kallred@nmsu.edu > . [Posted 20 April 1999]

**Research Studentship, University of Reading, UK:**

"Linking developmental process and phylogenetic pattern: evolution of leaf morphology in the Leguminosae." Applications are invited from graduates or finalists who have or expect to obtain a first class or good upper second class honours degree in a relevant subject. The preferred candidate will have an interest in systematics or evolutionary biology. Some experience of molecular techniques would be an advantage. Closing date for applications: 14 May 1999. Start date: 1 October 1999. Supervisors: Dr Julie Hawkins—Systematics; Dr Nick Battey—Developmental Genetics. More information is available on the Web at: < <http://www.reading.ac.uk/AcaDepts/sb/Botany/hawkins-studentship.html> > . For further details contact Dr. Julie A. Hawkins, Centre for Plant Diversity and Systematics, School of Plant Sciences, The University of Reading, Reading, RG6 6AS. UK. Phone: + 44 (0)118 931 6546; fax: + 44 (0)118 975 3676; e-mail: < j.a.hawkins@reading.ac.uk > . [Posted 1 April 1999]



## FUNDING AND AWARD OPPORTUNITIES

**Timothy C. Plowman Latin American Research**

**Award:** The Botany Department at The Field Museum invites applications for the year 2000 Timothy C. Plowman Latin American Research Award. The award of \$1500 is designed to assist students and young professionals to visit the Field Museum and use our extensive Economic Botany and Systematic collections. Individuals from Latin America and projects in the field of Ethnobotany or Systematics of economically important plant groups will be given priority consideration. Applicants interested in the award should submit their *curriculum vitae*

and a detailed letter describing the project for which the award is sought. The information should be forwarded to: Timothy C. Plowman Award Committee, Department of Botany, The Field Museum, 1400 South Lake Shore Drive, Chicago, IL 60605-2496 and received no later than 31 October 1999. Announcement of the recipient will be made no later than 31 December 1999. [Posted 10 August 1999]

**American Philosophical Society, General Research**

**Grants:** Scope: The American Philosophical Society makes grants towards the cost of scholarly research in all areas of knowledge except those where support by government or corporate enterprise is more appropriate. Projects likely to culminate in scholarly publications are preferred. Grants cover travel to the objects of research, purchase of photoreproductions of documents, and consumable professional supplies not available at the applicant's institution. The society makes no grants for study, salary replacement, travel to conferences, consultation with other scholars, assistance with data entry, publication or translation, or the purchase of permanent equipment, telephone calls, or stationery. Eligibility: Applicants are expected to have held the doctorate for at least one year. Foreign nationals applying from abroad must state precisely what objects of research, ONLY available in the United States, need to be consulted. Amount of award: Averages \$3000; \$6000 maximum. Deadlines: March 1 for decision by mid-June, October 1 for decision by mid-January, and December 1 for decision by mid-March. Obtaining forms: Written requests for forms must indicate eligibility, specify the area of research, and state the proposed use of grant funds; include a self-addressed mailing label. Telephone requests for forms cannot be honored. Information, directions and forms can be downloaded from the APS Web site, < <http://www.amphilsoc.org> > . Click on "research grants" on the homepage. Committee on Research, American Philosophical Society, 104 South 5th Street, Philadelphia, PA 19106-3387. Questions concerning the eligibility of a project or applicant are accepted at 215 440-3429 or via e-mail to < [eroach@amphilsoc.org](mailto:eroach@amphilsoc.org) > . Information updated May 1999. [Posted 20 May 1999]

**1999 Delzie Demaree Travel Award:** Graduate students in Plant Systematics are eligible to apply for the Delzie Demaree Travel Award, a \$250 stipend to defray expenses related to attendance at the Annual Systematics Symposium at the Missouri Botanical Garden, 8 and 9 October 1999. The application should include a letter from the applicant telling how symposium attendance will benefit his/her graduate work and a letter of recommendation sent by the major professor. Please mail letters of application to: Dr. Donna M. E. Ware, Herbarium, Biology Department, The College of William and Mary, Williamsburg, VA 23185. [Posted 6 May 1999]

**The Torrey Botanical Society** announces the establishment of an annual fund of \$1,000 to support symposia initiated by a society member. One award will be available each year. Applications should include: 1.) a description of the purpose of the symposium; 2.) a list of speakers with the titles of their presentations; 3) the addresses (including e-mail) and telephone numbers of the speakers; and 4) a budget with an indication of how the Torrey support is to be used. Applications should be sent to: Dr.

Scott A. Mori, President, Torrey Botanical Society, The New York Botanical Garden, Bronx, New York 10458-5126 by 31 December of the year preceding the symposium.

The Torrey Botanical Society supports student training and research with an annual award of \$2,500. The award, limited to graduate students in botany who are members of the society, must be used to help pay the costs of field work or for attending field courses in botany. Applicants will be judged by the Council of the Society and awards granted by 1 March each year. Proposals should include: 1) a letter, not more than two pages in length, describing the project or the field course to be taken; 2) an overall budget in which it is stated how society funds will be spent; and a 3) a letter from the major professor of the student in which the current status of the student in a graduate program is verified. Applications should be sent to: Dr. Scott A. Mori, President; Torrey Botanical Society; The New York Botanical Garden; Bronx, New York 10458-5126 by 31 December of the year preceding the field work or the course. Information about the Torrey Botanical Society, including forthcoming field trips and meetings, can be found at: < <http://www.torreybotanical.com/index.html> > . [Posted 3 May 1999]

**Rupert Barneby Award, New York Botanical Garden:** The New York Botanical Garden invites applications for the 1999 Rupert Barneby Award. The award of \$1,000.00 is to assist researchers to visit The New York Botanical Garden to study the rich collection of Leguminosae. Anyone interested in applying for the award should submit their *curriculum vitae* and a detailed letter describing the project for which the award is sought. Travel to NYBG should be planned for sometime in 2000. The letter should be addressed to Dr. James L. Luteyn, Institute of Systematic Botany, The New York Botanical Garden, Bronx, NY 10458-5126 USA, and received no later than 1 December 1999. Announcement of the recipient will be made by 15 December.



## SYMPOSIA AND MEETINGS

NOTE: LISTED IN CHRONOLOGICAL ORDER!

1999

No listings currently for 1999.

2000

**Systematics 2000: Second Conference of the Southern African Society for Systematic Biology, 10–15 July 2000.**

Venue: Mtunzini Chalets, in the holiday resort of Mtunzini, on the KwaZulu–Natal north coast, South Africa. The details and costs of a variety of different options from full board and lodge to self-catering will be provided

in the next circular. Form of the conference: The conference will include plenary, poster, and paper sessions. Call for topics: Suggestions are invited for topics for oral presentations. These are to be addressed to the Organizing Committee, Dr G. Contrafatto (address below). The deadline for receipt of these suggestions is 30 September 1999. Topics selected will be announced in the First call for papers to be distributed before the end of 1999. Associated Workshop: A Geometric Morphometrics workshop (Intermorph 2000) is being organized by the Conservation Genetics and Speciation Research Group (CONSPEC, University of Natal Durban). This workshop will be held the week following that of the Systematic Conference. Conference Web site: < <http://contra.biology.und.ac.za/sassb> > . Should you wish to receive future information on the Conference, kindly contact Dr. G. Contrafatto and supply your e-mail address and/or postal address. Please include the words “Systematics 2000” in the subject header of your e-mail messages. Dr Giancarlo Contrafatto, School of Life and Environmental Sciences, University of Natal, Durban, 4041 SOUTH AFRICA. E-mail: < [contrafa@biology.und.ac.za](mailto:contrafa@biology.und.ac.za) > ; fax: +27 31 260 2029. [Posted 16 August 1999]

**XVIth AETFAT International Congress — Plant Systematics and Phytogeography for the Understanding of African Biodiversity**, Monday 28 August –Friday 1 September 2000.

On behalf of the Organizing Committee you are cordially invited to participate in the XVIth AETFAT Congress. The Congress will be held at : National Botanic Garden of Belgium, Domein van Bouchout, B-1860 Meise, Belgium. For more information, see the Web site at < <http://www.br.fgov.be/RESEARCH/MEETINGS/AETFAT/index.html> > or contact Prof. J. Rammeloo, Secretary General, at the above address; phone: +32 (0)2 269 39 05; fax : +32 (0)2 270 15 67; e-mail: < [Rammeloo@BR.fgov.be](mailto:Rammeloo@BR.fgov.be) > . [Posted 28 April 1999]



## BOOKS RECEIVED

Information provided by Janet R. Sullivan, 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. However, members of ASPT who are interested in serving as a reviewer should contact Janet Sullivan at < [janets@christa.unh.edu](mailto:janets@christa.unh.edu) > .

Updated 7 July 1999

*The Cross Name Index to Medicinal Plants, Volume IV: Plants in Indian Medicine A-Z* by A. R. Torkelson. 1999. Pp. 1,329–1,876. ISBN 0-8493-1085-7 \$350 (hardcover). Boca Raton, FL: CRC Press. — This book lists approximately 12,600 common names for 1,935 species of plants used medicinally in India. This volume was compiled to aid researchers in accessing information in Indian medical botany literature.

*Evolution, Variation, and Classification of Palms* edited by A. Henderson and F. Borchsenius. 1999. xi + 324 pp. illus. (including a photo of conference participants and 13 color plates). ISBN 0-89327-426-7 \$60.00 (hardcover). *Memoirs of the New York Botanical Garden*, Volume 83. New York: New York Botanical Garden Press. — The 26 papers in this volume were presented at the conference of the same title held at the Garden in June, 1997. The papers fall into four categories: species and species concepts, species-level data, species-level case studies, and higher level classifications. Review to appear in an upcoming issue of *Systematic Botany*.

*Flora of Australia* Volume 1. Introduction, 2nd Edition edited by A. E. Orchard. 1999. xxiv + 670 pp. illus., including color plates. ISBN 0-643-05965-2 \$US 79.95 (hardcover). Collingwood, Victoria: CSIRO Publishing. — Volume 1 provides an overview of the series, as well as background information on the flora. Topics covered include the history of plant exploration in Australia, major collectors and describers of the continent's flora, plant communities, evolution, and phytogeography. The volume concludes with a glossary and key to families of Australian flowering plants. [orders can be placed directly at < <http://www.publish.csiro.au> > .]

*Flora of Australia Volume 17B. Proteaceae 3: Hakea to Dryandra* edited by A. Wilson. 1999. xviii + 416 pp. illus. maps, line drawings and color plates. ISBN 0-643-06454-0 \$US 89.95 (hardcover); 0-643-06455-9 \$69.95 (paperback). Collingwood, Victoria: CSIRO Publishing. — This volume covers *Hakea*, in the tribe Grevilleae, and all of the tribe Banksieae, for a total of 5 genera and 322 species. This is the first time in nearly 130 years that a complete account of the genera *Hakea*, *Dryandra*, *Musgravea*, and *Austromuelleria* has been published. Keys, synonymy, descriptions, and information on distribution and flowering are provided. Introductory information on the Proteaceae can be found in Volume 16; *Grevillea*, the other Australian genus in the tribe Grevilleae, is treated in Volume 17A. [orders can be placed directly at < <http://www.publish.csiro.au> > .]

*Flora of Chiapas, Part 5. Compositae—Heliantheae s.l.* by J. L. Strother. 1998. 232 pp. color frontispiece + 60 figures. ISBN 0-940228-35-1 \$25.88 prepaid only (paperback). San Francisco, CA: California Academy of Sciences. — This is the first of two installments of the Compositae (Asteraceae) of Chiapas, both authored by John Strother. In this volume he treats the tribe Heliantheae s.l., which includes 225 of the approximately 570 species of the family in Chiapas. Review to appear in an upcoming issue of *Systematic Botany*.

*The Illustrated Flora of Illinois, Sedges: Carex* by R. H. Mohlenbrock. 1999. x + 328 pp. illus. line drawings and county dot maps. ISBN 0-8093-2074-6 \$59.95 (hardcover). Carbondale, IL: Southern Illinois University Press. — This is the fourteenth volume in the *Illustrated Flora of Illinois* series, and the sixth and last volume devoted to monocots. Included are keys, synonymy, complete descriptions, and comparative and historical information, as well as notes on habitat and range. Each species is

beautifully and clearly illustrated. Review to appear in an upcoming issue of *Systematic Botany*.

*LucID Professional: Contemporary Identification Tools* ©1999, The University of Queensland. This is a Windows-based software system that enables the user to construct and view matrix based, interactive identification keys. ISBN 0-643-06415-X \$US 495.00 (CD-ROM and manual). — Review to appear in an upcoming issue of *Systematic Botany*. [orders can be placed directly at < <http://www.publish.csiro.au> > .]

*Páramos: A Checklist of Plant Diversity, Geographical Distribution, and Botanical Literature* by J.L. Luteyn with contributions from S.P. Churchill, D. Griffin III, S.R. Gradstein, H.J.M. Sipman, and M.R. Gavilanes. 1999. xv + 278 pp. + 6 pages of color plates. illus. ISBN 0 89327-427-5 \$64.00 (hardcover). *Memoirs of the New York Botanical Garden*, Volume 84. New York: New York Botanical Garden Press. — Luteyn provides a detailed introduction to the páramo ecosystem; an annotated checklist of the 3000+ vascular plants and 1200+ lichens, mosses, and hepatics found there; a gazetteer for each country in which páramo occurs; and a list of references to páramo in the scientific literature. Review to appear in an upcoming issue of *Systematic Botany*.

*Plant Systematics: A Phylogenetic Approach* by W.S. Judd, C.S. Campbell, E.A. Kellogg, and P.F. Stevens. 1999. xvi + 464 pp. illus. ISBN0-87893-404-9 \$ 67.95 + shipping and handling (hardcover). Sunderland, MA: Sinauer Associates, Inc. — An introductory text that incorporates phylogenetic methods throughout. The first six chapters cover the principles of plant systematics, taxonomic evidence, molecular systematics, and evolution. The last two chapters treat phylogenetic relationships of vascular plants. Taxa have been recircumscribed to represent monophyletic groups. Nomenclature and methods for field and herbarium study are presented in the appendices. The text includes a CD-ROM, containing over 600 color photos. Review to appear in an upcoming issue of *Systematic Botany*.

*Plants of the Peloponnese* by W. Strasser. 1999. 350 pp. illus. line drawings. ISBN3-904144-11 1 DM 40 (approx \$US 23.00; paperback). Liechtenstein: A.R.G. Gantner Verlag KG. — This is a field guide to the 2,300+ species of the Peloponnese (southern part of Greece). [Distributed by Koeltz Scientific Books, Königstein, Germany. Orders can be placed directly at < <http://www.koeltz.com> > .]

*Principles of Plant Breeding*, Second Edition by R.W. Allard. 1999. ix + 254 pp. ISBN 0-47102309-4 \$69.95 (hardcover). New York: John Wiley & Sons, Inc. — The introductory chapters of this book cover such topics as Darwinian evolution, the origins of agriculture, evolution during domestication, and mating systems and plant breeding. The bulk of this volume treats the biological foundations of plant breeding and modern breeding plans.

*Shinners and Mahler's Flora of North Central Texas* by G.M. Diggs, Jr., B.L. Lipscomb, and R.J. O'Kennon. 1999. 1,640 pp. 2,300 black & white illustrations, 174 color

photographs. ISBN 1 889878-0104 \$89.95 + shipping and handling (hardcover). Sida, Botanical Miscellany. Fort Worth, TX: Botanical Research Institute of Texas. — This is the first fully illustrated flora for any region of Texas or adjacent states. Besides treating the 2,223 native and naturalized vascular plants of north central Texas, there are introductory materials on the vegetation, geology, soils, climate, and pre- and early-settlement conditions. Appendices list botanical internet addresses, conservation organizations, native plants to use as ornamentals, phylogeny, and endemic species. [order directly from the Botanical Research Institute of Texas; e-mail: < sida@brit.org > ; fax: 817-332-4112]

*Steyermark's Flora of Missouri*, Revised edition, Volume 1 by G. Yatskiyevych. 1999. xii + 991 pp. 20 figures, 194 plates of line drawings, and 797 county dot maps. ISBN 1-887247-19-X \$38.00 plus shipping (hardcover). Jefferson City and St. Louis, MO: Published by the Missouri Department of Conservation in cooperation with the Missouri Botanical Garden Press. — This first of a two-volume update on the flora of Missouri treats the pteridophytes, conifers, and monocots (801 species). Included are keys, all-new, full-page line drawings, county dot maps, and full morphological descriptions. Introductory chapters cover the climate, geology, vegetation types, and a history of botany in the state. Review to appear in an upcoming issue of *Systematic Botany*.

*Taxonomic Literature, Supplement v: Da-Di* by F.A. Stafleu and E.A. Mennega. 1998. vii + 432 pp. ISBN 3-87429-402-1 DM 280 (hardcover). *Regnum vegetabile* volume 135. Königstein, Germany: Koeltz Scientific Books. — [Orders can be placed directly at < http://www.koeltz.com > ; institutional members of IAPT receive a 50 % discount; individual member discount is 20 %.]

*World Economic Plants: A Standard Reference* by J.H. Wiersema and B. León. 1999. xxxv + 749 pp. ISBN 0-8493-2119-0 \$129.95 (hardcover). Boca Raton, FL: CRC Press. — This is a synopsis of taxonomic information for nearly 10,000 species of economically important vascular plants from around the world. For each species the multilingual common names, synonymy, geographic distribution, and economic uses are given.



## ELECTRONICALLY DISTRIBUTED PRODUCTS

**Toner Collection of Sessé and Mociño Biological Illustrations.** CD-ROM. Catalog compiled by James J. White, Rogers McVaugh, and Robert W. Kiger; Historical introduction by Rogers McVaugh. Contains 1,989 full-color digital reproductions of water color drawings from the 1787–1803 Spanish Royal Expedition to New Spain in the collection of the Hunt Institute for Botanical Documentation. The drawings may be searched by genus, family, title, or accession number. The CD-ROM requires a color monitor and a Web browser, preferably version

4.0 or higher of Netscape Navigator or Microsoft Internet Explorer. ISBN 0-913196-60-06. \$40.00 plus \$4.00 shipping (\$6.00 outside the U.S.). Available from: Hunt Institute for Botanical Documentation, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213-3890. [Posted 16 August 1999]

**Southern Aquatic Plants CD-ROM Reference Guide** by Bio-Photo Services, Inc. Three hundred aquatic plant images on 3 CDs, 196 species, 67 families. All slides annotated and searchable by scientific name, common name, or habitat. Printable text files on CD: Alphabetical by species with file name of JPEGs and TIFFs. Alphabetical by family. Readme file for Kudo catalog and Image viewer use. Introductory price of \$199.95 plus \$3.00 shipping and handling. Available from: Betrock Information Systems, Inc., 7770 Davie Road Extension, Hollywood, FL 33024-2516; voice: 800 627-3819; fax: 800 330-3307; e-mail: < derek@betrock.com > ; < www: http://www.hortworld.com > . [Posted 21 May 1999]

**LucID Professional for Windows.** A powerful but simple system that lets you construct and view interactive identification keys to almost anything. The program consists of two modules: the LucID Builder, which allows researchers and other users to design and build their own identification keys and the LucID Player, which allows interactive use of those identification keys. Price: US\$395.00. Available from: CSIRO Publishing, P.O. Box 1139, Collingwood, VIC 3006 Australia; voice: + 61 3 9662 7555; fax: + 61 3 9662 7666; e-mail: sales@ publish.csiro.au.; < www:http://www.publish.csiro.au/ > . [Posted 21 May 1999]

**Plant Family Album, An Interactive Botanical Review. Volume 1: The Rosidae.** 1996. Marcia J. Waterway and Helen Cohen Rimmer. Interactive software for PCs or Macintosh PowerPC with Virtual PC software installed. US\$49.95 plus shipping. Available from M.J. Waterway at McGill University; < waterway@agradm.lan.mcgill.ca > .



## NEW WEB SITES

There are many links on other Web sites (start with < http://www.csdl.tamu.edu/FLORA/TFP/TFPLINKS.html > ) to pages that have information applicable to Plant Taxonomy. On this current page, we will add new sites as they come to our attention. If you have a new or revised Web site that may be of interest to the membership of ASPT, please send the URL address to the editor of the Newsletter. This section is not intended to be a comprehensive list of all sites useful to plant taxonomists.

The Committee for the National Institute for the Environment (CNIE) has launched an Environmental Research Information Exchange (ERIE) service which provides a forum for researchers, educators, resource managers, agency decisionmakers, foundation represen-

tatives, journalists, librarians and others in all environmental fields to share information and discuss issues. The service is part of the CNIE National Library for the Environment located at: < <http://www.cnie.org> > . ERIE is intended for:

- Managers and decisionmakers to present research needs (funded and unfunded) or search for expert knowledge.
- Researchers and students, to locate research opportunities, collaborators, or funders.
- Funders to advertise opportunities.
- All to share scientific information about the environment.

ERIE will provide many services to help you to find answers to your questions, solutions to your problems, and colleagues you may not know about:

- Bulletin Board for participants to post messages, questions and answers organized by environmental topics.
- Highlights Page where selected research opportunities discussed by participants will be posted.
- Links and lists of funding opportunities.
- Outreach Service.

For more information, contact: David E. Blockstein, Ph.D., Senior Scientist, Committee for the National Institute for the Environment, 1725 K St. NW Suite 212, Washington, DC 20006-1401. Phone: 202530-5810; fax 202 628-4311; e-mail: < [David@cnie.org](mailto:David@cnie.org), <http://www.cnie.org> > . [Posted 23 July 1999]

**Images of Permian fossil wood** at: < <http://www.microfossils.com/fossz.html> > . The preservation of the fossil wood is extraordinary and the detail in the electron microscope images is astounding. The purpose of this Web site is to make sure that the systemic botany community is aware that fossil wood specimens exist and that the specimens are available for examination and study. I would appreciate an e-mail comment or suggestion concerning the taxonomy issues related to the Web site. Perry Middlestaff, e-mail < [fossyguy@ilinkusa.net](mailto:fossyguy@ilinkusa.net) > . [Posted 21 June 1999]

The **Washburn University Herbarium Database** is now available at: < <http://www.washburn.edu/cas/biology/landrum/wuherbarium.html> > . This is an old collection of about 14,000 specimens that fell into disrepair some years ago and was recently rediscovered. The oldest specimen is from 1861 and predates Washburn University by four years. This collection represents a unique aspect of Kansan ecology and culture in its assemblage of the endemic species of both the short-grass and tallgrass prairies, as well as of the native hardwood stands that predominated before development. Currently, the specimens are being re-organized, cataloged, and moved to the Stoffer Science Building (Room 114). I have spent the last year remounting, verifying, and cataloging some 1,006 specimens so far. Interested parties can view these records by family names at this time. Inquiries can be addressed to: Dr. Vic Landrum, Curator, Washburn Herbarium, 1700 SW College Avenue, Topeka, KS 66621. Phone: 785 231-1010 ext. 2163; e-mail: < [zzlandru@washburn.edu](mailto:zzlandru@washburn.edu) > . [Posted 1 June 1999]

The **FENSCORE** [Federation for Natural Sciences Collection REsearch] Committee, with sponsorship by Manchester Museum and the Museums and Galleries Commission, have now posted the National Register of

Natural Science Collections as a searchable database. There are over 15,000 entries, covering most of the UK, although currently the Southwest is under-represented, and Northern Ireland is absent (although we hope to add it soon). The URL is: < <http://www.man.ac.uk/fenscore> > . I welcome any comments or suggestions about this site; it does not have lots of pretty graphics, but concentrates on providing useful content. Bill Pettitt, FENSCORE Webmaster, < [c.pettitt@man.ac.uk](mailto:c.pettitt@man.ac.uk) > . [Posted 21 May 1999]

A Web site about the **Fungal and Plant Diversity of Central French Guiana Project** at the New York Botanical Garden is at < [http://www.nybg.org/bsci/french\\_guiana/](http://www.nybg.org/bsci/french_guiana/) > . The main purpose of this project is to document the species of fungi and plants found in central French Guiana. The site includes a species list vouchered with a searchable database of nearly 14,000 specimens as well as information about pollination and dispersal biology of the plants of this lowland rain forest. For more information, contact the project director: Dr. Scott A. Mori, Director, Institute of Systematic Botany, The New York Botanical Garden, Bronx, New York 10458-5126. E-mail: < [smori@nybg.org](mailto:smori@nybg.org) > . [Posted 3 May 1999]

The **Cultivar Checklist for Ornamental Plants** is available at: < <http://www.dsc.edu/herbarium/intro.html> > . This is an updated Web version of what was originally published as “A Sourcebook of Cultivar Names” in *Arnoldia* 54(4):1-64, 1994-95 and later as Appendix XI of the *International Code of Nomenclature for Cultivated Plants* (1995). We will also, as time permits, include some Web sites. This site is maintained through the Claude E. Phillips Herbarium, Delaware State University. For more information about the checklist, contact: Arthur O. Tucker, Department of Agriculture and Natural Resources, Delaware State University, Dover, DE 19901-2277; e-mail: < [atucker@dsc.edu](mailto:atucker@dsc.edu) > .

A **drift disseminules Web site** has been established at URL: < [www.seabean.com](http://www.seabean.com) > . Topics include: “What is a Sea-bean?”, “A Sea-bean Guide”; “Sea-bean Stories”; “How to Grow Sea-beans”; “How to Polish Sea-beans”; and information about the 1999 International Sea-bean Symposium. There is also a triannual newsletter entitled *The Drifting Seed* on the same topic. For more information, contact: Cathie Katz, Atlantic Press, Inc., PO Box 510366, Melbourne Beach, FL 32951; < [seabean@castle-gate.net](mailto:seabean@castle-gate.net) > .



# ASPT NEWSLETTER

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