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IN MEMORIAM

Warren H. Wagner, Jr. (known affectionately to all as Herb) died on 8 January 2000; he was in his eightieth year. He was probably the best-known botanist ever to work at the University of Michigan. After Navy service in the Pacific during World War II, Wagner did his Ph.D. at the University of California at Berkeley, spent one year at Harvard as an instructor, and came to the University of Wisconsin-Oshkosh, where he worked at the Biology Department, University of Wisconsin-Oshkosh, Oshkosh, WI 54901. Sale ends 31 March 2000.
of Michigan as Assistant Professor of Botany in 1951. His primary research focus was the systematics, hybridization, evolution, and evolutionary history of ferns and fern-like plants, but his interests went far beyond ferns to include (among many other things) oaks and other difficult groups of flowering plants, butterflies, and minerals. His energy was boundless and his enthusiasm famously contagious, which made him one of the most successful teachers of both undergraduates and graduate students in the university. After retirement he continued to participate in the teaching of courses in plant systematics in both Biology and Natural Resources; indeed, he taught more in retirement than many younger colleagues ever do. He chaired or co-chaired 45 doctoral committees and served as a member of over 240 graduate committees. He served a term as director of the Matthaei Botanical Garden from 1966 to 1971, but administration was never his strong suit. He had more fun stirring things up and getting people excited than smoothing over rough places and finding consensus solutions to little problems that did not really matter in the “big picture,” which was one of his favorite phrases.

In the 1950s and 60s, working in collaboration with his wife, Dr. Florence S. Wagner, he published a series of elegant studies showing that ferns hybridize freely and that hybridization is a major source of new species in plants. That idea is now widely accepted, but 45 years ago it contradicted a dogma that had been imported into botany uncritically from zoology, and the Wagners’ beautifully documented research helped botanists realize that the constraints of plants’ habits and habitats and reproductive styles made a different species concept appropriate for them. Wagner’s attempts to infer the ancestors of the Hawaiian fern genus Diellia, and his desire to teach undergraduates how to think about evolutionary history, led him to propose a method of deducing phylogeny that was radical at the time, and with characteristic missionary zeal he went around the country and the world exhorting botanists to abandon their traditionally sloppy approach to the inference of phylogeny and start using methods that are explicit and testable. Wagner’s success and influence were widely recognized during his life. His many honors included election to the National Academy of Sciences in 1985 and the Asa Gray Award from the American Society of Plant Taxonomists in 1990. He served as president of seven professional societies, including the ASPT (1966), the Botanical Society of America, the American Fern Society, and the International Association of Pteridologists. He was in wide demand as a speaker to groups of professional botanists and amateurs, and after the talk he was likely to sit down at a piano and entertain the astonished guests with lively honky-tonk playing. He is survived by his wife, Florence, their children Margaret and Warren, both of Ann Arbor, and two grandsons. Condolences may be sent to: Dr. Florence Wagner, 2111 Melrose, Ann Arbor, MI 48104. — William R. Anderson.

Irving W. Knoblach. Michigan State University pteridologist Irving W. Knoblach (or “Knobby”, as he was affectionately known) died 27 December 1999 at the age of 92. Born in Buffalo, New York, Knoblach earned bachelor’s and master’s degrees at what is now SUNY at Buffalo. In the 1930s, he was a naturalist and cultural foreman with the Civilian Conservation Corps for projects in New York’s Allegheny Sate Park. In 1937 he went to a rugged part of Mexico to manage a copper mine. He became known for identifying new plants and animals in that region. Knoblach went on in 1940 to Iowa State University where he received a doctorate in botany in 1942. Joining MSU in 1945, Knoblach taught biological science and natural science, then botany and plant pathology. In 1960 he was president of the university’s chapter of the American Association of University Professors. After retiring from MSU 25 years ago, Knoblach was a university and community volunteer.

George Jones Goodman. Dr. George Jones Goodman, 94, Regents Professor Emeritus of Botany and Curator Emeritus of the Bebb Herbarium at the University of Oklahoma, died peacefully at his home 23 May 1999. Dr. Goodman was born to Elizabeth Jones Goodman and Arthur Duane Goodman on 5 November 1904 in Evanston, Wyoming. He attended the University of Wyoming, graduating in 1929 with a Bachelor of Arts degree with honors in botany. From Washington University in St. Louis he received an M.S. in 1930 and a Ph.D. in 1933. Dr. Goodman joined the faculty of the University of Oklahoma in 1933 as assistant professor of botany and herbarium curator. From 1936 to 1945 Goodman left OU to serve as associate professor of botany and curator of the herbarium at Iowa State College in Ames, Iowa. In 1945 Goodman was invited to return to OU as professor and curator and he remained there until his retirement in 1975. Goodman married Marcia McCoy of Muskogee, Oklahoma in 1948. During his career as a botanist Goodman came to be known as a leading expert in the field of plant taxonomy of Oklahoma and the western United States. He was respected, admired, and beloved by his many undergraduate and graduate students and colleagues. He authored 73 publications, described 36 new plant taxa, made 9 new combinations, and had 4 plants named for him. Dr. Goodman was a charter member of the American Society of Plant Taxonomists, the International Association of Plant Taxonomists, the Society for the Study of Evolution, the Southwestern Association of Naturalists, and the Colorado-Wyoming Academy of Science. In addition, he was a member of Phi Beta Kappa, Phi Kappa Phi, Phi Sigma, Phi Chi, Sigma Xi, and the Oklahoma Academy of Science. He received the Phi Sigma Orterburger Award, the Oklahoma Academy of Science Award of Merit, and a Distinguished Service Citation from OU.

Shortly after his 90th birthday, the University of Oklahoma Press published Retracing Major Stephen H. Long’s 1820 Expedition: The Itinerary and Botany, a book which Goodman co-authored with a former graduate student, Dr. Cheryl Lawson of Shawnee, Oklahoma. Reviewers described the book as “a worthy botanical and historical milepost” and “the challenging model for future accounts of America’s past exploring expeditions.” When Rhodora, the Journal of the New England Botanical Club, decided to publish a series of recollections of leading American botanists, Goodman was among the first invited to submit his recollections. Dr. Lawson authored the article from
tape recordings she had made of Goodman’s reminiscences during their years of field trips together as they conducted research on the Major Long expedition. At the time of his death, Goodman and Dr. Lawson were working on a publication on the plant types of Oklahoma.

AIBS PRESIDENTS’ SUMMIT PRODUCES HISTORIC “AIRLIE ACCORDS”

In an unprecedented demonstration of unity and strength by the biological community, 57 presidents (including ASPT President Shirley Graham) and other leaders of AIBS’s 69-society member federation met for the first-ever AIBS Presidents’ Summit at the Airlie Center in Warrenton, VA, 11–14 November, to identify collective action plans in public policy, research funding, education, and career issues. Leaders in disciplines ranging from microbiology to landscape ecology agreed that in today’s cross-disciplinary, international world, biologists must strengthen the linkages among their fields of expertise and become more effective communicators with the rest of society.

The commitments on specific plans of action made by the group include:

1. Increase and diversify research funding by demonstrating the benefits of basic and applied research;
2. Improve communications between biologists and the public;
3. Increase biologists’ involvement in science-based public policy; and
4. Safeguard science education in the arena of public opinion and support.

The leaders reached substantive agreements on new consensus procedures for how their organizations can work together and with other scientific bodies on matters of worldwide importance. “The ‘Airlie Accords’ are the beginning of structural and visionary changes in how AIBS societies can develop a shared plan for collective action in support of biological research and education,” said AIBS President Gregory J. Anderson (and a Past-President of ASPT.). Keynote speaker Martin Apple, President of the Council of Scientific Society Presidents, described the Summit as “an instance of e pluribus unum and embracing a new century of great opportunity. In these times of rising anti-intellectualism and impending threats to science support, the AIBS community, like all scientific communities, must hang together lest it hang separately.”

RECENT GRANTS AWARDED

Flora of North America

The Chanticleer Foundation of Pennsylvania has awarded $432,000 for the year 2000 to the Flora of North America project to continue the production of the Flora volumes. Funding is expected at that level for six years, for a total of nearly $3 million. The 2000 grant will be administered by Nancy R. Morin, executive director of the Arboretum at Flagstaff. She is former convening editor of the Flora and now is the Southwest Regional Coordinator for the project. Three volumes have been published and a fourth is in press, out of a total of 30 volumes to be published by Oxford University Press–US. In the past, the FNA project has received grants to fund support staff located initially at Missouri Botanical Garden in St. Louis and now also at several other editorial centers. That funding came to an end in 1999 and, although editorial centers donated additional staff time to keep the project going, the future was uncertain. Support from the Chanticleer Foundation will make it possible to hire sufficient staff at a number of editorial centers to continue the project and increase production significantly. More information on Flora of North America can be found on the Internet at <http://www.fna.org>; more information on Chanticleer can be found at <http://www.chanticleergarden.org>.

PEOPLE

David J. Middleton has taken up a position as a Tropical Plant Systematist for the Arnold Arboretum based in the Harvard University Herbaria. Prior to this appointment he has worked for the Rijksherbarium, Leiden; the Royal Botanic Garden, Edinburgh; and Trinity College, Dublin. His research interests are in monographic and floristic studies of South-East Asian Apocynaceae, focusing particularly on accounts for the Flora of Thailand and Flora Malesiana. Other interests include the Ericaceae and Lauraceae. His address is: Harvard University Herbaria, 22 Divinity Avenue, Cambridge, Massachusetts 02138. Phone: (617) 495-2348; fax: (617) 495-9484; e-mail: <dmiddlet@oeb.harvard.edu; http://www.herbaria.harvard.edu>.

For a complete list of AIBS member societies and organizations in addition to ASPT, visit <http://www.aibs.org>.
INSTITUTIONS

Subtropical Horticulture Research Station Seeks Living Collections

The USDA–ARS Subtropical Horticulture Research (SHRS) Station is beginning a new effort to expand its National Germplasm collections of tropical ornamental species, returning to a tradition begun by David Fairchild in the early years of the station’s history. We would thus like to solicit contributions from researchers and graduate students in the systematic community who may have accumulated living collections of potentially ornamental species during the course of their research and either wish to dispose of these collections at the termination of a project or merely wish to deposit living vouchers of these collections in a climate where such germplasm can be maintained and, in the case of woody species, achieve reproductive size. The SHRS encompasses 230 acres of diverse soil type, hydrology, and microclimate. USDA respects and obeys all international rules and regulations regarding biodiversity, and hopes that this new program can contribute to tropical conservation goals as well. Material will be accessioned into the GRIN database and will be available to bona fide researchers unless requested otherwise by the contributor. Particular curatorial interests include Acanthaceae and Rubiaceae, but all plant families are of interest. Please contact Alan W. Meerow, Research Geneticist and Systematist at (305) 254-3635; email: <miaam@ars-grin.gov>. Visit our Web site at: <http://www.ars-grin.gov/ars/SoAtlantic/Miami/homeshrs.html>.

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 [day/month/year].

Instructor for Summer Course, University of Wyoming: The Rocky Mountain Herbarium and Department of Botany at the University of Wyoming seeks a plant systematist to teach the eight week (12 June–3 August) summer course “Flora of the Rocky Mountains.” This is an introductory plant taxonomy class with an enrollment maximum of 30. The class meets Wednesday and Thursday afternoons from noon to 5:00 pm, providing ample time for local field trips. A Ph.D. is required and field-oriented experience is preferred. RM and associated research facilities will be available, and research interaction with botany department faculty is highly encouraged. Contact Greg Brown <gkbrown@uwyo.edu> if you have any questions about this position. See our web sites at <http://www.rmh.uwyo.edu> and <http://www.uwyo.edu/botany/index.htm>. To apply, submit current curriculum vitae, a cover letter describing the research you would pursue while resident at RM, and the names, e-mail addresses, and telephone numbers of four references to Greg Brown or Ron Hartman, Department of Botany, University of Wyoming, Laramie, WY 82071-3165 before 1 April 2000. [Posted 22 February 2000]

Director, Center for Plant Conservation, Missouri Botanical Garden: Full-time, Regular position plans, organizes, implements, directs, and ensures the accomplishment of programs designed to contribute to the conservation of U.S. plant diversity. Serves as a leading advocate and spokesperson for U.S. plant conservation. Provides leadership to ensure effective and efficient CPC staff performance. Develops and implements strategic plan and strategies to meet financial needs. Qualifications include a Ph.D. in conservation, biology, botany, environmental policy, public administration or related area, plus seven years relevant and increasingly responsible experience in areas such as, but not limited to, endangered species conservation biology, ecology, biology, restoration, or natural resource management. Proven analytical, problem resolution, and decision-making skills and demonstrated ability to obtain grants required. Exceptional written and oral communication skills, ability to work collaboratively with a network of botanical garden executives, and demonstrated skills in administration and financial management a must. See our Web site at <http://www.mobot.org/CPC/>. To apply, mail résumé to Human Resource Management, Missouri Botanical Garden, 2345 Tower Grove Ave., St. Louis, MO 63110. Fax: 314-577-9597; e-mail: <rland@admin.mobot.org>. [Posted 21 February 2000]

Assistant Chief, Illinois Natural History Survey: Plan and coordinate research and service activities to address issues of state and national significance. Help develop the Survey’s scientific agenda and provide input on its policies and operating procedures. Serve as a scientific and administrative leader, providing backup and assistance to the Chief, ensuring that optimum use is made of the Survey’s resources and that the activities of the Survey meet the highest possible standards of performance and ethics. Qualifications: Required: Ph.D. in biological sciences with minimum eight years relevant experience. Preferred: 10 years relevant experience for Professional Scientist and extensive managerial experience and training. Required: Demonstrated skills in carrying out research and outreach programs and in managing staff involved in these activities. Excellent writing skills and a good record of publications and reports. Experience in integrated biological sciences/research. Available: 1 July 2000. To ensure full consideration, applications should be received by 31 March 2000. See our Web site at <http://www.inhs.uiuc.edu/>. To apply: send cover letter, curriculum vitae, a statement of research interests, reprints of up to five representative publications, and three letters of reference to: Sue Key, Human Resources Manager, PRF
Instructor for Summer Field Botany Course, University of Illinois: An instructor (visiting academic professional or visiting assistant professor) is required for Plant Biology 366, Field Botany, in the Department of Plant Biology at the University of Illinois at Urbana-Champaign. Qualifications: Ph.D. or M.S. degree in biological sciences with emphasis in plant taxonomy and field studies is preferred, although candidates with a bachelor’s degree and relevant work experience will also be considered. Must have strong organizational and teaching skills as well as experience with undergraduate teaching. A valid driver’s license and familiarity with the flora of Illinois and Indiana and its natural areas are essential. Responsibilities: Will administer, coordinate, and teach an undergraduate botany field course. Duties include organizing and participating in numerous local half-day and several full-day Saturday and overnight weekend camping field trips, curriculum development, and supervision of a teaching assistant. Salary: Commensurate with experience. Course date: Summer Session II (8 June – 7 August 2000). See our Web site at: <http://www.life.uiuc.edu/planthbio/>. To apply: Send résumé and have three letters of recommendation sent to: Dr. Stephen R. Downie, Department of Plant Biology, 265 Morrill Hall, 505 South Goodwin Avenue, University of Illinois at Urbana-Champaign, Urbana, IL 61801. Phone: 217 333-1275. In order to ensure full consideration, applications must be received by 10 March 2000. Interviews may be conducted prior to the closing date, but all applications received by this date will be given equal consideration. [Posted 17 February 2000]

Botanist/Ecologist, University of Wisconsin—River Falls: The University of Wisconsin—River Falls invites applications from a broadly trained botanist/ecologist for a tenure-track appointment at the level of Assistant Professor in the Department of Biology to begin in August 2000. A Ph.D. is required and postdoctoral experience is preferred. Applicants with experience in field botany, ecology, plant taxonomy and anatomy, and knowledge of nonvascular plants are especially encouraged to apply. The position is a full-time teaching position averaging 12 adjusted contact hours per semester (two or three courses, depending upon enrollment). See our Web site at: <http://www.uwrf.edu/biology/>. Interested applicants should submit a curriculum vitae, a statement of teaching philosophy and experience, research interests, original university transcripts, and names and addresses of three references. Application materials and reference letters must be received by 17 March 2000. Materials should be sent to: Dr. Brad Mogen, Botany/Ecology Search Committee Chair, Biology Department, University of Wisconsin—River Falls, 410 South 3rd Street, River Falls, WI 54022. [Posted 17 February 2000]

Professor in Biosystematics, The Netherlands: The new professor will have final responsibility for graduate and postgraduate teaching in biosystematics, will supervise the Wageningen branch of the National Herbarium of the Netherlands, and advance the application of molecular techniques. Requirements: Ample publications in leading international journals; experience with molecular techniques is an asset; proven teaching abilities and the capacity to develop advanced courses on various biosystematic areas; excellent management skills; success in the acquisition of external research funding. We offer a tenure appointment with a salary conforming to the rates for professors, scale A, which amounts to a maximum of DFL 12,547 gross per month. Information: Contact the chair of the selection committee—Prof. Dr. L.H.W. van der Plas, Phone: +31 317 482146; e-mail < Linus.vanderPlas@algem.pf.wag-ur.nl>, or the secretary of the committee—Dr. H.J. van Eck, Phone: +31 317 482837; e-mail < Herman.vanEck@users.pv.wag-ur.nl>. Applications: Candidates for this position and those who wish to recommend qualified individuals, should contact the Staff Office, Wageningen University, P.O. Box 9101, 6700 HB Wageningen, The Netherlands, no later than 13 March, and mention “vacaturenummer: HGL 00-035” on the letter and envelope. Applicants should include their curriculum vitae and a list of publications. [Posted 17 February 2000]

Herbarium Collections Manager, LSU: The Louisiana State University Herbarium, Department of Biological Sciences, invites applications for the position of collections manager. Minimum qualifications include a Master’s degree or equivalent in plant systematics or related field and 2–4 years related experience, or a Ph.D. specializing in plant systematics. Research and publication history sufficient to qualify for graduate faculty affiliate status is desired. Herbarium experience and familiarity with our regional flora and knowledge of computers and database management preferred. Responsibilities include herbarium collections management; the supervision and training of students and others workers in herbarium activities, development and management of digital herbarium data bases; assisting the scientific community, general public, and governmental agencies in plant identification and the provision of pertinent technical information; and participation in fund raising and grant proposal preparation. Salary commensurate with qualifications and experience. Start date is approximately 1 June 2000; application deadline 31 March 2000, or until an applicant is selected. See our Web page at <http://www.biology.lsu.edu/>. Send letter of application, résumé, and names of at least three references to: L. Urhatsch, Department of Biological Sciences, 508 Life Sciences Building, Ref. log # 000183, Louisiana State University, Baton Rouge, LA 70803. Phone: 225 388-8555; fax: 225 388-2597; e-mail: <leu@lsu.edu>. [Posted 17 February 2000]

Herbarium Curator, Georgia: The Department of Botany at the University of Georgia and the Georgia State Museum of Natural History invite applications for the position of Herbarium Curator. The successful candidate will be expected to manage the herbarium collections, including daily curation and public information requests, to supervise herbarium technical staff, and to develop a research and service program in the general area of plant systematics. The position is non tenure-track, but carries
a salary and rights and privileges equivalent to other botany faculty. More information about the Botany Department and the museum is available at <http://www.botany.uga.edu> and <http://museum.nhm.uga.edu/>. Candidates should have a Ph.D. in plant systematics or a related area and should submit a curriculum vitae, short statements of research, service, and teaching interests, pertinent reprints of up to five research papers, and have four letters of reference sent to: Dr. Gary Kochert, Chair, Herbarium Curator Search Committee, Department of Botany, University of Georgia, GA 30602 before 21 February 2000.

Plant Conservation Ecologist, Fairchild Tropical Garden: Fairchild Tropical Garden seeks a Ph.D. researcher/project manager with experience and commitment to plant conservation. Work will center upon South Florida and the Caribbean Basin where FTG has ongoing grant-funded research projects in endangered species biology, conservation, recovery, and monitoring. Position responsibilities include: research on biological and environmental factors associated with endangered species conservation, recovery and habitat management; oversee a GIS (Arc-Info) facility and databases, advise graduate students and teach at local universities, establish collaborative partnerships with local and international agencies and individuals, develop grants, and publish research results. For more information, visit: <http://www.ftg.org/publicprograms/n_employment.html>. Send résumé, cover letter describing research interests, and names of three references (phone numbers and e-mail addresses) before 1 March 2000 to Dr. Jack Fisher, e-mail: fisherj@fiu.edu, Fairchild Tropical Garden, 11935 Old Cutler Rd., Coral Gables (Miami), FL 33156. Phone: 305 667-1651, ext. 3412. [Posted 24 January 2000]

Computer Systems Maintenance and Information Specialist, Fairchild Tropical Garden: Fairchild Tropical Garden seeks a full time computer systems maintenance and information specialist. This new position will provide in-house expertise to manage and service the Garden’s hardware and software computer systems and databases. Primary responsibilities include: 1) Install and maintain basic software and routine hardware on all Garden computers. 2) Fully understand MicroSoft Windows desktop systems (95/98/NT) and software packages. Interface with software companies and technicians. 3) Maintain Garden Web server (NT) containing Web site, e-commerce retail shop, databases, and e-mail service. 4) Design and maintain MicroSoft Access databases with active server page interfaces for the Internet. 5) Migrate legacy data (in Advanced Revelation) to MicroSoft Access database. 6) Provide in-house training and support in MicroSoft Windows and MicroSoft Access to Garden staff. 7) Insure that the Garden has the best access and use of information technology within a defined budget. 8) Participate in Garden-wide steering committee to define and prioritize future computer and information technology needs. This position will report directly to the Garden director. Salary range is $36,000–$40,000/year plus benefits. Interested candidates should send an e-mail containing a recent résumé and the names of three references to Dr. Julia Kornegay, Director; e-mail: <specialist@ftg.org>. Address: 10901 Old Cutler Road, Miami, FL 33156, Phone: 305 667-1651, ext. 3333; fax: 305 667-6930. Deadline for applications is 15 February 2000. [Posted 24 January 2000]

Curator Assistant (APA 11), Michigan State University: The Michigan State University Herbarium seeks a full-time Curator Assistant. The position requires a four-year college degree in botany or a related field, basic computer literacy, and experience with lichen or plant curation. Preference will be given to any applicants with lichenological training, experience in an herbarium setting, and database management skills. Send applications and refer questions to: Alan Prather, Department of Botany and Plant Biology, 168 Plant Biology, Michigan State University, East Lansing, MI 48824-1312; Phone: (517) 355-4695; fax (517) 353-1926; or e-mail <alan@msu.edu>. [Posted 21 January 2000]

Director of Research and Conservation, The Marie Selby Botanical Gardens: The Marie Selby Botanical Gardens invites applications for a full-time director of its Research and Conservation Department. Applicants must have a Ph.D. degree, an excellent record in obtaining grants, demonstrated experience in conducting tropical field research, and good public speaking abilities. Candidates with research backgrounds in vascular plant systematics of predominantly epiphytic groups, and/or canopy botany are preferred. Responsibilities include overseeing administration of the department and the research collections, conducting an active field-oriented research program, serving as editor of the journal Selbyana, and participating in university-level and community education programs. Starting date for the position is 1 July 2000. Applications will be reviewed starting 1 February 2000 until a candidate is found. Applicants should send a CV, letter of interest, and a list of three references to Dr. Meg Lowman, Executive Director, The Marie Selby Botanical Gardens, 811 South Palm Ave., Sarasota, FL 34236 USA. Information on Selby Gardens’ resources and staff can be viewed at <http://www.selby.org>. [Posted 17 January 2000]

Coordinator of Museum and Field Studies Graduate Program, University of Colorado Museum: The University of Colorado Museum invites applications for a tenure-track, nine-month assistant or associate professor appointment (with a summer administrative stipend) to coordinate the Museum and Field Studies Graduate Program (M&FS). We are interested in candidates with demonstrated experience in museums and a strong research background. Academic fields represented in the program include Anthropology, Art History, Education, Biology, Paleontology, and Public History. Experience working with graduate students in museums or museum/field studies graduate programs is desirable. The appointment will be made jointly with the appropriate department. Primary responsibilities will be to continue to develop a relatively new M&FS program, to maintain an active research program, and to teach courses in the M&FS program. Responsibilities as coordinator include recruiting and advising students, assisting with curriculum development, marketing, developing on- and off-campus partnerships to foster student internships, and assisting with career placement. Ph.D. or equivalent degree and a record
of published research required. See the Museum’s web site at <http://www.Colorado.EDU/CUMUSEUM/>. To apply, please send CV, three representative publications, statements of research, teaching, and museum-related experience, and have three letters of reference sent to Tom A. Ranker, University of Colorado Museum, Campus Box 218, Boulder, CO 80309-0218. Review of applications will begin 1 March 2000. We intend to fill the position by 1 June 2000. [Posted 16 December 1999]

Assistant Professor, Plant Evolutionary Biology, Kent State University: The Department of Biological Sciences of Kent State University invites applications for a tenure-track assistant professor position to begin August 2000. The individual is expected to develop a research program in the areas of systematics and/or ecology. Teaching at the undergraduate and graduate levels will be in areas appropriate to the interests and training of the candidate. A Ph.D. with postdoctoral experience is required. Send curriculum vitae, statement of research and teaching interests, copies of recent publications, and three letters of recommendation by 31 January 2000 to: Dr. Alan Graham, Chair, Plant Evolutionary Biologist Search Committee, Department of Biological Sciences, Kent State University, Kent, OH 44242. See web site at <http://www.kent.edu/Biology/>. [Posted 9 December 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 Opportunities.”

Post Doctoral Researcher, Applied Research, Missouri Botanical Garden: Full time regular position. Performs basic research on the systematics of plant species used as ingredients in dietary supplements. Position involves herbarium, laboratory, and field work. Assists in producing a catalog of the plant species important in the herbal products trade, their taxonomy, and methods for their identification. This is a five-year, grant-funded position. Qualifications include a Ph.D. in systematic botany or related field. Also requires familiarity with modern methodology in systematics, herbarium routines, botanical literature, computers, and botanical databases. Excellent written communication skills are essential. To apply, mail résumé to Human Resource Management, Missouri Botanical Garden, 2345 Tower Grove Ave., St. Louis, MO 63110. Fax: 314-577-9597; e-mail: <fland@admin.mobot.org>. [Posted 21 February 2000]

Graduate Assistantships Available, Western Kentucky University: The Center for Biodiversity Studies announces the availability of at least two, potentially three, graduate assistantships beginning fall semester 2000. These assistantships are for $9,000 per academic year for two years. Nonresident portion of tuition waived. Potential exists for extra teaching for additional pay during the summer semester. Successful applicants will be enrolled in the Master of Science in Biology degree program. Application materials and instructions are also available at Web site <http://bioweb.wku.edu/Assistantships/gradappl.pdf>. Duties: Teach or assist in biology courses (two or three per semester). Provide basic service to the Center for Biodiversity Studies (examples include talking to K-12 visiting groups, data entry, etc. up to five hours per week). Complete a Master’s thesis project in a biodiversity-related field. Due date: Applications for admission and for assistantships must be received by 15 March 2000. If you have additional questions about the Center for Biodiversity Studies or about these assistantships, please contact: Michael Stokes, Ph.D., Director, Center for Biodiversity Studies, Western Kentucky University, 1 Big Red Way, Bowling Green, KY 42101-3576. E-mail: <Michael.Stokes@wku.edu>. [Posted 17 February 2000]

FUNDING AND AWARD OPPORTUNITIES

New England Botanical Club Graduate Student Research Awards: The New England Botanical Club offers each year up to $2,000 in support of botanical research to be conducted by graduate students. The awards are made to stimulate and encourage botanical research on the New England flora, and to make possible visits to the New England region by those who would not otherwise be able to do so. The awards are given to the graduate student(s) submitting the best research proposal dealing with systematic botany, biosystematics, plant ecology, or plant conservation biology. Typically two awards are given, although the actual number of awards and amount depend upon the proposals received. Papers based on the research funded must acknowledge the NEBC’s support. Submission of manuscripts to the Club’s journal, Rhodora, is strongly encouraged. Applicants must submit: 1) Proposal of no more than three double-spaced pages; 2) Budget; 3) Curriculum vitae; 4) Two letters in support of the proposed research including one from the student’s thesis advisor. It is appropriate for these letters to be sent directly to the Awards Committee by the sponsors rather than accompany the application. Three paper copies of the proposal, budget, and CV must be submitted in addition to the letters of support. Proposals and support letters are sent to: Awards Committee, The New England Botanical Club, 22 Divinity Avenue, Cambridge, MA 02138-2020. Proposals and supporting letters for the 2000 award are due no later than 1 March 2000. The recipient(s) will be notified by 30 April 2000. Web page: <http://www.herbaria.harvard.edu/Collections/nebc/>. [Posted 5 February 2000]

$50 million “Special Competition” for grants on
Biocomplexity in the Environment: 16 December 1999. The National Science Foundation (NSF) has announced a special competition to award $50 million in grants under the Biocomplexity in the Environment (BE) initiative launched by NSF Director Rita Colwell. During 1999, the Committee for the National Institute for the Environment (CNIE), with much assistance from supporters of the National Institute for the Environment (NIE), has educated Congress about the importance of the BE initiative. Congress funded the initiative at the level requested by the Foundation.

“Biocomplexity in the Environment” is now the descriptor of the full portfolio of environmental science and engineering at NSF. The grants to be allocated in fiscal year 2000 represent the beginnings of the additional $1 billion/year that the NSF hopes to receive as a result of the recently adopted report, “Environmental Science and Engineering in the 21st Century: the role of the National Science Foundation.” The report stems from a congressional request that NSF study the creation of an NIE directly through the NSF. CNIE has endorsed the report, implementing nearly all the activities proposed for an NIE through the foundation. The report recommends implementing nearly all the activities proposed for an NIE directly through the NSF. CNIE has endorsed the report, committed to working for its full implementation, and suspended its call for creation of an NIE.

In recent weeks, CNIE has met with congressional staff to further educate them about the BE initiative, its relationship with the NSF report recommendations, and the need to provide a major funding increase next year to implement all the recommendations contained in the report. In November, CNIE organized a letter to the White House Office of Management and Budget in support of increased funding for NSF. This letter was signed by over 175 scientific societies, environmental organizations, business groups, colleges, and universities, including the U.S. Chamber of Commerce and the Sierra Club.


The competition will support work in two areas:

- Integrated Research “to better understand and model complexity that arises from the interaction of biological, physical, and social systems... specifically... research projects which directly explore nonlinearities, chaotic behavior, emergent phenomena or feedbacks within and between systems and/or integrate across multiple components or scales of time and space in order to better understand and predict the dynamic behavior of systems. “Research Projects can be up to five years in duration. Annual budgets may be up to $600,000, with budgets up to $1 million each year possible if extremely well justified.”

- Incubation Activities “that enable groups of researchers who have not historically collaborated on biocomplexity research to develop projects via focused workshops, virtual meetings, and other types of development and planning Activities.” “Incubation Activities can be up to two years duration with total budgets not to exceed $100,000 and cannot be renewed.”

The deadline for letters of intent is 31 January 2000 and for proposals 1 March 2000. The anticipated date of awards: September 2000

The CNIE, as a multidisciplinary, multi-institutional, cross-sectoral coalition, would be pleased to provide pro-bono assistance to anybody seeking to establish new collaborations to carry out work which will improve the scientific basis for environmental decisions. Contact David Blockstein at <David@CNIE.org>, or 202-530-5810, ext. 205, or use the Environmental Research Information Exchange bulletin board at <http://www.cnie.org>.

SPECIAL COURSES

NSF Chautauqua Short-Course – Therapeutic Plants: Biological, Chemical, Cultural, and Legal Aspects, 30 July –3 August 2000

This course is intended for professors in biology, medicine, environmental studies, and anthropology who want to introduce their students to a wide range of issues impinging on the use of effective medicinal plants, i.e., not only chemistry and biological activity, but also the impact that increasing exploitation of these plants has on the environment, the cultural context of utilization, and governmental interest in regulating trade. Lectures will focus on summarizing each aspect, as well as integrating them into an interdisciplinary whole. Emphasis will be on applying these general concepts to selected therapeutic plants of the Southwest. Integration of the concepts will be promoted by the field trips, lab exercises, and discussions. This course will be conducted at SMU-In-Taos at Fort Burgwin, (Southern Methodist University’s Fort Burgwin field campus in the Sangre de Cristo Mountains near Taos, NM). Participants will be housed on-campus and will be responsible for costs associated with travel, lodging, food, and incidentals. Instructor: Roger W. Sanders, Research Associate, Botanical Research Institute of Texas, Fort Worth, 817-332-4441. Web sites: <http://www.engrng.piit.edu/~chautauq> and <http://www.sm.edu/~smuarts> [Posted 2 February 2000]

Tropical Botany, 2 July –30 July 2000

The University of Florida, Department of Botany, in collaboration with Fairchild Tropical Garden and the National Tropical Botanical Garden-Kampong, will offer an intensive, in-residence course on the systematics of tropical plants, at both gardens, in Miami, Florida. Instructor: Dr. Walter S. Judd, Course Director, Department of Botany, 220 Bartram Hall, PO Box 118526, University of Florida, Gainesville, FL 32611-8526. Phone: 352-392-5135; fax: 352-392-3993; e-mail: <wjudd@botany.ufl.edu> . Dr. Scott A. Zona and Dr. Gerald F. Guala, Research Scientists at F.T.G., will lecture on the Palmae and
Poaceae, respectively. The course: Tropical Botany is an intensive course of study in the biology of tropical plants. Subject matter will be largely based on the extensive holdings of tropical vascular plants at Fairchild Tropical Garden, National Tropical Botanical Garden-Kampong, and Montgomery Botanical Institute. Additionally, field trips will be made to the Florida Everglades, the Florida Keys, Corkscrew Swamp, and adjacent natural areas.

The object of the course is to provide advanced students and/or professionals with a detailed coverage of the systematics, diversity of structure, and economic botany of tropical vascular plants. Questions concerning the course should be addressed to Dr. Judd. Enrollment: Limited to 12 participants, with preference given to upper-level students or professional biologists/teachers. Application: Applicants should apply by 17 April 2000 (to Dr. Judd, see address above). Applications should include the following: a letter stating reasons for taking the course, a letter of recommendation (sent separately), and a curriculum vita. Applicants will be notified of acceptance by May 8, 2000. Accommodation: Students will be housed at a hotel near Fairchild Tropical Garden; estimated cost of room is $20 per day. Tuition: $721 (in-state students) or $2,524 (out-of-state students). In addition, a course fee of $211 is required to cover garden costs. [Posted 14 January 2000]

The Bee Course 2000, 18–28 August

A workshop for conservation biologists, polliination ecologists, and other biologists. Southwestern Research Station (SWRS), Portal, Arizona, 18–28 August 2000. Organizers: Jerome G. Rozen, Jr. (American Museum of Natural History) Ronald J. McGinley (Smithsonian Institution). The main purpose of the course is to provide participants with sufficient knowledge and experience to use effectively The Bee Genera of North and Central America by Michener, McGinley and Danforth, 1994. Persons equipped with the information from this course will be capable of using Charles Michener’s new book on bees of the world, to be published in 2000 by Johns Hopkins University Press. This new book will deal with the classification, evolution, and distribution of bees on a worldwide basis and, for the first time, will present keys to genera, subgenera, and higher taxa for the entire globe. The deadline for applications is 1 March 2000. For information, see <http://www.dc.net/mcginley/beecourse.html> or contact: The Bee Course, Department of Entomology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192. [Posted 11 January 2000]

SYMPOSIA AND MEETINGS

NOTE: LISTED IN CHRONOLOGICAL ORDER!

2000

See ASPT Newsletter 13(3), December 1999 for information on the following meetings.

• At the Millennium, a Look Back and a Look Ahead, Washington, DC, 22–24 March 2000

• Association of Systematics Collection Annual Meeting, Baltimore, Maryland, 14–15 May 2000


• Botany 2000, Annual Meeting of the Botanical Society of America and American Society of Plant Taxonomists, Portland, Oregon, 6–10 August 2000

• Third Ecuadorian Botanical Congress, Quito, 25–27 October 2000

27th Annual Natural Areas Conference — Managing the Mosaic: Connecting People and Natural Diversity in the 21st Century, St. Louis, Missouri, 16–20 October 2000

The Natural Areas Association, the member agencies of the Missouri Natural Areas Committee, and the Missouri Department of Conservation invite you to attend the first Natural Areas conference of the New century. It will be held in St. Louis, Missouri, just a short walk from the Gateway Arch National Monument. Celebrating the bicentennial anniversary of the Lewis and Clark Expedition has begun in St. Louis, and our banquet speaker, Dr. Daniel Botkin, will discuss the historical and future implications of their trip. The plenary and concurrent sessions will address different aspects of biodiversity and how humans fit into the new century of management. On Tuesday 17 October, Dr. Jerry Franklin, Professor of Ecosystem Analysis at the University of Washington in Seattle, Washington, will speak about “Bridging Science and Management.” Wednesday morning, Dr. Peter Raven, Director of the Missouri Botanical Garden, will address “Opportunities and Problems of Biodiversity.” Following him, Dr. William Burch, Professor at Yale University, will speak about “Finding the natural synergy between human diversity and global biodiversity.” Excellent field trips will highlight the tremendous natural diversity found in Missouri. Pre-conference and conference trips include opportunities to tour the Missouri Mines State Historic Site, hike the Sunklands Conservation Area, and visit the Missouri Ozark Forest Ecosystem Project research center. Participants will have their choice of viewing native flora and fauna on a trip to Danville Glades and Graham Cave State Park, spelunking in Fisher and Mushroom Caves, learning about geologic features at St. Francois Mountains Natural Area, floating the Mississippi River, or a number of other opportunities. For more information about the conference, please contact: Kate Leary, Conference Coordinator, Missouri Department of Conservation, P.O. Box 180, Jefferson City, MO 65102-0180. Phone: (573) 751-4115, ext. 183; e-mail: <learyk@mail.conservation.state.mo.us>. Also, see our Web site at <http://www.conservation.state.mo.us/nac/>.
Legumes Downunder — The Fourth International Legume Conference, 2-6 July 2001, Canberra, Australia

The Fourth International Legume Conference will be held 2–6 July 2001 on the campus of Australian National University in Canberra, Australia. The scientific program includes symposia on systematics, utilization, infraspecific genetics, land rehabilitation, symbiosis, phytotechnie and electronic resources. Field trips throughout Australia are being planned in conjunction with the meeting. Co-organizers are Mike Crisp, Australian National University, Jim Grimes, RBG Melbourne, Joe Miller, Centre for Plant Biodiversity Research, David Morrison, University of Technology, Sydney. For further details and to express interest in attending the conference please check the Web site at <http://www.science.uts.edu.au/sasb/legumes.html>.

NEW WEB SITES

There are many links on other Web sites (start with http://www.csdll.tamu.edu/FLORA/ftp/tflinks.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.

NEW SERIALS AND NEWS ABOUT SERIALS

Re-issued journal: Contributions from the U.S. National Herbarium was first published in 1890 by The United States Department of Agriculture. From July 1 1902 forward it was published as a Bulletin of the United States National Museum. The series was discontinued after volume 38, 1974, and has been revived with volume 39, as a venue for publishing longer taxonomic papers, checklists, floras, and monographs produced by the staff and associates at the U.S. National Herbarium. It is externally peer reviewed and published at irregular intervals. Subscription and other correspondence should be addressed to CUSNH, Department of Botany, National Museum of Natural History, Smithsonian Institution, Washington, DC, 20560-0166, USA. E-mail: <CUSNH@nmnh.si.edu>. The present issue (due in February 2000) is available for free while supplies last (Judziewicz, E. J., R. J. Soreng, G. Davidse, P. M. Petersen, T. S. Filgueiras, and F. O. Zuloaga. Catalogue of New World Grasses: I. Subfamilies Anomochloideae, Bambusoideae, Ehrhartioideae, and Pharoideae. Contr. U.S. Natl. Herb. 39: 1-128. 2000).

The Vascular Plant Type Specimen Catalog at The New York Botanical Garden has just been updated with additional high-resolution specimen images of Cucurbitaceae <http://www.nybg.org/bsci/hcol/vasc/Cucurbitaceae.html> and Scrophulariaceae <http://www.nybg.org/bsci/hcol/vasc/Scrophulariaceae.html>. These, plus images of Annonaceae, Cyperaceae, Elaphoglossum, Ericaceae, Lecythidaceae, and New World Rutaceae can be found by searching the vascular plant type catalog <http://scisun.nybg.org:8890/searchdb/owa/wwwspecimen.searchform> or by viewing taxa lists <http://www.nybg.org/bsci/hcol/vasc/>. The Garden’s seven other phanerogamic and six cryptogamic specimen catalogs can be accessed through the general Herbarium Specimen Catalog <http://www.nybg.org/bsci/hcol/>. Please direct any questions or comments about the NYBG imaging project to Gord Lemon.

We are pleased to announce the opening of a new Web site: Catalogue of New World Grasses (Poaceae) (CNWG). This is a dynamic Web site in which all changes made in the underlying production database are immediately reflected in the Web pages <http://mobot.mobot.org/Pick/Search/nwgc.html>. The data are recorded in TROPICOS (Missouri Botanical Garden’s taxonomic database, developed by Bob Magill, who also constructed the CNWG Web pages). The data are also partly available in the TROPICOS format through W3TROPICOS at <http://mobot.mobot.org/Pick/Search/pick.html>. We estimate that of the ca. 75,000 grass names recorded in TROPICOS, 25,000 names apply to grasses of the New World, and these in turn apply to roughly 4,000 species. Completed treatments are available for all species of the subfamilies Anomochloideae, Bambusoideae, Ehrhartioideae, and Pharoideae (also printed in hard copy [due in Feb. of this year], Contr. U.S. Natl. Herb. vol. 39: 1-128.). Treatments for other subfamilies are incomplete but are actively being worked on. The CNWG data can be browsed by means of three indices (Accepted taxa, All treated taxa, Suprageneric, Generic & Subgeneric taxa) or searched by entering a scientific name in a search box. Some features of the CNWG Web site are the following:

1. Data for ca. 75,000 infrafamilial to infraspecific names in Poaceae.
2. Standardized authority and publication citations for those names.
3. Cross links to homotypic and heterotypic names.
4. Type protologue and type specimen data, including subsequent lecto- and neotypifications.
5. Accepted CNWG suprageneric and generic classification.
6. Accepted CNWG taxonomy and synonymy for all taxa so far treated by the project.
7. Alternative taxonomic treatments based on published sources.
8. Geographical distribution in three formats:
   a) as recorded by CNWG (mainly to country level),
   b) voucher specimen data (incomplete),
   c) maps (limited at this point to specimens with recorded geographical coordinates).
9. Images (mostly line drawings, field photographs, or digital type images, but potentially any kind of image — still very incomplete).
10. Links to W3 TROPICOS and other database projects.
For examples with full data see *Olyra latifolia* and/or *Steyermarkochloa angustifolia*.

Gerrit Davidse (Aristieae, Arundineae, Danthonieae Centotheceae, Thysanolaeneae); Tarciso S. Filgueiras (Andropogoneae and related tribes); Emmet J. Judziewicz (Anomochlooideae, Bambusoideae, Pharoideae); Paul M. Peterson (Chloridoideae); Robert J. Soreng (Ehrhartioideae, Pooidae, and Chief editor); Fernando O. Zuloaga (Paniceae and related tribes).

The staff of the Wisconsin State Herbarium (WIS) - University of Wisconsin-Madison is pleased to announce that the Wisconsin Vascular Plants site is now available at <http://wiscinfo.doit.wisc.edu/herbarium/>. This site list the 2,436 native and 792 introduced vascular plant taxa (species and infraspecific taxa) documented for Wisconsin. For each taxon, status, synonyms (if any), detailed distribution maps (944 taxa to date), and images (2,730 representing 1,570 taxa to date) are presented. Additional information, such as protection category as defined by the Bureau of Endangered Resources, Wisconsin Department of Natural Resources; habitat information; and information on ecologically invasive taxa are included where appropriate. The site is searchable by scientific name, habitat, status, and common name. For more information, contact: Mark Allen Wetter, Collections Manager, Herbarium (WIS), Department of Botany, 430 Lincoln Drive, University of Wisconsin-Madison, Madison, WI 53706-1381. Phone: 608 262-2792; e-mail: <mawetter@facstaff.wisc.edu>.

**Atlas of Vascular Plants of Wyoming.** High resolution dot maps for the distribution of more than 2,800 taxa are available on-line. They are served as PDF files that can be read with Adobe Acrobat Reader, available on the Web page. High quality copies can be produced with a laserjet printer. The atlas is based on label data from nearly 200,000 herbarium specimens (ca. 9,000 localities) housed at the RM. It was created using ArcView. Eighty percent of the collections are from fieldwork conducted in the past 20 years; we are now capturing information from older specimens (ca. 80,000). Periodic updates are planned and eventually the records will be linked to the dots and the database will go on-line. Questions concerning specific records may be sent to <rhartman@uwyo.edu>. One goal of this project is to make distributional data available to authors of *Flora of North America.* Currently the atlas is being served from the University of Texas at Austin where Chumley is a doctoral student of Robert K. Jansen — Ronald L. Hartman and B. E. Nelson, Rocky Mountain Herbarium, Department of Botany, University of Wyoming, Laramie 82072-3165.

Please e-mail suggestions for Web sites of interest to the members of ASPT to <krrobert@uiuc.edu> [Kenneth R. Robertson, Illinois Natural History Survey]