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SPNHC NEWSLETTER

Society for the Preservation of
Natural History Collections

February 1999
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World Council on Collections Resources

Grant W. Hughes, Royal British Columbia Museum,
Victoria, British Columbia, V8V 1X4 Canada

Over the past few years, SPNHC has provided input into a task force looking at creating a World Council of Collections Resources (WCCR). The initiative began in 1992 in Madrid with the First Congress on the Preservation of Natural History Collections which passed resolutions supporting the preservation and management of natural history collections world wide. Progress was also made at the Second Congress in Cambridge in 1996. This Second Congress created a task force to look at the specifics of creating WCCR. SPNHC, through Council, participated by providing input into the review process. We also had formal representation on an Advisory Committee through Stephen Williams, a Past President of SPNHC.

An update of the support for WCCR by SPNHC was provided at the annual meeting in Edmonton last year. SPNHC's position is that we will continue to support the concept of WCCR. However, we do not have the financial or personal resources to lead a major initiative to set up a world office to support preservation of natural history collections in the developing world. We believe that we should continue to offer membership services that strengthen the professional development of our SPNHC members and use our growing strength to support WCCR on a project by project basis.

More recently, we received an update from Des Griffin, chair of the WCCR Task Force, who offered this summary:

"I developed, with assistance, a questionnaire and the results were posted on the WCCR bulletin board just over a year ago on 12 December 1997. Respondents supported interactions between organizations and individuals, advocating the importance of collections and research and establishment of data standards, data bases and the exchange of ideas. Clearly this was a very big agenda requiring substantial resources and the involvement of a number of people. It requires more than one or two persons and more than the resources of individuals. I have recently retired from the Australian Museum, I believe that I can-

not continue to exercise the obligations of Co-Chair of the Taskforce in a way which would lead to achievement of the Cambridge (let alone Madrid) resolutions. It must be up to those interested in the objectives supported at the Cambridge meetings to determine what might be the future of WCCR."

SPNHC remains committed to our mission of improving the care and management of natural history collections. We do so by strengthening our members and their organizations through our programs of research, publication and education. We encourage the concept of WCCR while respecting the capacity of SPNHC members to undertake this important initiative.

NCPTT Grant

Paisley Cato San Diego Museum of Natural History, Balboa Park, 1788 El Prado, San Diego, CA 92101

The National Park Service and the National Center for Preservation Training and Technology have awarded the Society for the Preservation of Natural History Collections \$9950 through the NCPTT grant support program. This award will be used to support the development of a report by SPNHC on priorities for research in the conservation of natural history collections. Coordinated by Paisley S. Cato, Director of Collections Care and Conservation at the San Diego Natural History Museum, the project will depend on the active involvement of members of the SPNHC Conservation Committee (Diana Dicus, Chair) and its Research and Technology Subcommittee (David von Endt, Chair). It is designed to review the needs for conservation research, as identified both in the 1993 report, "Preserving Natural Science Collections: Chronicle of Our Environmental Heritage" (National Institute for the Conservation of Cultural Property), and in related publications for art and materials conservation. The latter include

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The **Society for the Preservation of Natural History Collections** was formed in 1985 and is recognized as a non-profit organization [501(c)(3)] in the United States. SPNHC members receive *Collection Forum*, a bi-annual journal of reviewed technical information, and two issues of the *SPNHC Newsletter* each year. The Society for the Preservation of Natural History Collections (SPNHC) is a multidisciplinary organization composed of individuals who are interested in development and preservation of natural history collections. Natural history collections include specimens and supporting documentation, such as audio-visual materials, labels, library materials, field data, and similar archives. The Society actively encourages the participation of individuals involved with all aspects of natural history collections.

The **SPNHC Newsletter** (ISSN 1071-2887) is published twice a year, February and August, by the Society for the Preservation of Natural History Collections, c/o Peabody Museum of Natural History, Yale University, 170 Whitney Avenue, P.O. Box 208118, New Haven, CT 06520-8118, USA. Change of address should be directed to Lisa Palmer, Treasurer, P.O. Box 797, Washington, DC 20044-0797; palmer.lisa@nsmnh.si.edu.

Submissions are welcome. Please forward announcements, articles and notes to Tim White, Newsletter Editor, Invertebrate Paleontology, Peabody Museum of Natural History, Yale University, 170 Whitney Ave., P.O. Box 208118, New Haven, CT 06520-8118, USA; (203) 432-3767 (voice); (203) 432-9816 (fax); tim.white@yale.edu (email).

Deadlines for future newsletters are: August 11, 1999, February 9, 2000 and August 9, 2000.

Presidential Profile

*Sally Y. Shelton, National Museum of Natural History,
Smithsonian Institution, Washington, DC 20560*

SPNHC enters 1999 with a bang. *Collection Forum* will be out soon, preparations for the 1999 and 2000 meetings are well under way, and we have received initial bids for the 2001 and 2002 meetings. Our publications and programs are in demand, and we are moving more into a leadership role in the rapidly-evolving field of natural history collections management and conservation. Take a bow, everyone!

In addition to all the good news in this issue of the Newsletter, there are a couple of items that will be arriving soon. The first is the registration and call for papers for the SPNHC 99 meeting in Washington, DC. This meeting is co-sponsored by the Smithsonian Center for Materials Research and Education (formerly the Conservation Analytical Laboratory) and the National Museum for Natural History. Register early and come on out. From the pre-conference workshop to the dinner cruise on the Potomac, it is shaping up to be a packed, fun and valuable week, coinciding with the annual Folklife Festival and ending just before the annual fireworks display over the Mall on July 4.

The second item is a membership survey, the first step in the most important SPNHC project: crafting the second five-year strategic plan. The SPNHC Council Members-at-large are in charge of this critically important next step. Beginning now will allow us to segue smoothly from the current working plan to the next stage. The Members-at-large are your elected representatives on Council and are charged with the responsibility of finding out what the membership needs and wants. The

results of the membership survey and follow-up reports will help us figure out what we are doing right, and, even more importantly, what we need to do in order to attract and keep our members. Your response to the survey is vital, and I appreciate the time and thought you put into this. The survey and the work on the next five-year plan are very much your opportunity to say what needs to be heard so that SPNHC can continue to grow and develop.



Treasurer's Report

Lisa F. Palmer, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560

Thanks to all of you who have sent in your 1999 membership dues. This money allows SPNHC to undertake a host of activities that range from publishing our periodicals, such as *Collection Forum*, to providing start-up loans for annual meetings. A total of 622 members and subscribers renewed their membership for 1998. Thus far in 1999, we have received annual dues from only 497 members and subscribers. Please don't wait to receive a second reminder before mailing your annual dues. Save the Society time and postage by renewing today. Send your check, money order, or Visa/MasterCard payment in US dollars to the SPNHC Treasurer, P.O. Box 797, Washington, DC 20044-0797 USA. If you need a membership invoice, visit the SPNHC website at www.spnhc.org to download one.

This year, sales of our publications are off to a roaring start. The two natural history storage books are in high demand by university instructors. Over 38

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Conservation

Cindy Ramotnik, Chair, of the Resources Subcommittee, and Janet Waddington continue to maintain the American Resources Display Unit (RDU) and the Canadian RDU respectively. See Cindy's committee report in this issue. Paula Work and her cohorts have prepared citations from the natural science and conservation literature. For the Citations Subcommittee most citations have relevance to collections conservation and care (see Publications of Interest in this issue). Under David Von Endt's chairmanship, the Research Subcommittee is investigating the research needs and priorities in natural history collections. The project is funded by a National Center for Preservation Technology and Training grant. Paisley Cato is the principal investigator. The work will result in a publication highlighting the commonality of research needs across the fields of art, objects and natural history conservation. See Paisley's report on the project in this issue. Gene Hess is chairing the Fluid Assessment Committee and will act as editor of the proposed publication resulting from the fluid assessment project. Rob Waller and John Simmons report that they are currently working on an initial assessment of the data from the 1989 IMS-funded Fluid Assessment of the University of Kansas Herpetology Collections Project. It is expected that results will be submitted to *Collection Forum* this year. A project to apply multivariate analysis to the results, enlisting assistance from Jean-Marc Gagnon, is also planned for 1999.

For some time the Conservation Committee has considered including new collection care product ideas in the newsletter. See Cindy Ramotnik's invitation for suggested products in this issue. The Conservation Committee will be discussing the procedures and protocols for this product column at the annual meeting in Washington, D.C. The idea will then be presented to Council for approval.

Diana Hobart Dicus, Chair

Call for New Products

Have you found a reasonably priced product that monitors temperature, humidity, and light levels in collection areas? Do you know of a glue that resists cracking and drying yet holds up under a variety of environmental conditions? Do you use a storage container for your 'wet collections' that completely eliminates fluid evaporation? If you know of such products or have other good ideas the Resources Subcommittee would like to hear from you. We are soliciting new products that can be used for the storage and preserva-

tion of natural history collections. These items can include new products not yet made widely available to consumers as well as products used in non-traditional ways to solve collection-related problems. If you would like to share this information contact Cindy Ramotnik (U.S. Geological Survey, Museum of Southwestern Biology, University of New Mexico, Albuquerque, NM 87131; 505-346-2870 (voice); 505-277-0304 (fax); ramotnik@unm.edu (email)). All new products will be evaluated by the Conservation Committee and considered for publication in future issues of the Newsletter. In addition some products could end up as part of the two Resources Displays that are maintained by the Society for the Preservation of Natural History Collections.

Cindy Ramotnik, Chair

Hear ye, hear ye!

Voting for the two Members-at-Large to take office in 1999 has been completed, and the successful candidates will be announced at the Annual General Meeting in Washington. At that time nominations will be opened for two more Members-at-Large, the Secretary and the President-Elect. Appreciation is extended to all members who made nominations or voted in this year's election. Please be thinking about nominations for next year. Our officers make a vital contribution to the success of SPNHC, and the coming year's slate is an especially important. Please consider carefully who could fill these offices, and help continue the quality work of our Council. Any questions or comments regarding the Election Committee may be directed to the chair, Judith Price (613-566-4263 (voice); 613-364-4027 (fax); jprice@mus-nature.ca (email)).



Judith Price, Chair

MEMBERSHIP SURVEY ENCLOSED

What may just have fallen out of this newsletter is a questionnaire -- do not throw it out! We of the Membership Committee want you to complete and return it, unless 'you' are a library which means we will be sending you another set of questions later. We realize that surveys are not often met in a positive light by those who are to fill them out, but we hope you realize that the requested information is important for SPNHC in order to serve you better. There are two sets of questions.

The first set will help us know WHO our membership is; the second part is where you tell us what's important for you

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Membership Survey, continued from page 3

and what isn't. It is too easy for SPNHC organizers to assume they know who we are and what we do, and then proceed on an inappropriate path. The information gathered here will help us to plan our direction in many ways from determining topics for future workshops to assessing future meeting sites. The data are also important to describe ourselves to various outside entities such as granting agencies, potential sponsors and other organizations. We are not asking you to identify yourselves as individuals on the survey itself, just that you are SPNHC members on accompanying papers (envelopes or extra fax sheet), so your responses will not be traced back to you in any way. We are following the method set up by the election committee which has proved successful.

Please complete as many of the questions as you can, and include your name and address on the outside of the envelope, so that we can ascertain your SPNHC membership. If faxing your questionnaire, place your name and address on a separate sheet of paper which will be discarded once your SPNHC membership has been checked. Then, if you are a resident of the USA, send it to: Elana Benamy at the Academy of Natural Sciences (Malacology), 1900 Ben Franklin Parkway, Philadelphia, PA, 19103-1195 USA. Elana is available on at 215-299-1170 (fax) or at benamy@say.acnatsci.org (email). If you are living outside the USA (in Canada or elsewhere) please send your completed questionnaire to Mr. John Pinder-Moss at P.O. Box 9815, Station Provincial Government, Victoria, BC V8W 9W2 Canada. John is available at 250-387-567 (fax) or at jpindermoss@rbml01.rbcm.gov.bc.ca (email). We thank you for your time and patience.



Ann Pinzl and Lori Benson, Co-Chairs

NHCOLL-L is on the Road

Effective March 1, 1999 the natural history collections list, NHCOLL-L, is moving to Yale University and will be administered through the Peabody Museum of Natural History. The owner and administrator of the list will be Tim White. Peabody's System Office will provide support and Yale University will provide server space and software to continue NHCOLL-L. Notices about the move will be distributed to various Lists (e.g., TAXACOM, Paleonet, NHCOLL-L, etc.). Subscribers will be notified and will not need to re-subscribe. Contact Tim White (tim.white@yale.edu) if you have any questions.

For the past five years, NHCOLL-L has been hosted by the Museum of Paleontology at the University of California, Berkeley. Allen Collins has graciously acted as administrator at UCMP and the List has been co-owned by Jackie Zak and Lori Benson. We thank Jere Lipps (former UCMP Director) for his guidance and the opportunity to host NHCOLL-L at UCMP.

Tim White, Listowner

Life-Membership Category

The SPNHC Life Membership is a special membership category for those interested in the long-term financial stability of our organization. Life membership monies are invested towards the future goals of the Society. SPNHC is fortunate to have six Life Members and would like to take this opportunity to formally thank these six generous people:

Jay Burns	Carolyn Rose
Ann Pinzl	Tim White
Jean Portell	Steve Williams

Thank you for your support.

SPNHC life memberships are available for \$625. The fee is 25 times the Individual Membership rate, currently \$25. Life Memberships may be paid in one of three ways:

- (1) a one-time payment of \$625;
- (2) two-year installments of \$350/1st year and \$275/2nd year;
- (3) three-year installments of \$300/1st year, \$200/2nd year and \$125/3rd year.

Please contact the Treasurer should you wish further information about life memberships.

New and Reinstated Members

Rachael Arenstein	Carrie Herbel
Adam Baldinger	Mark Isaksen
Tania Bardsley	Rita Kauneckas
Ingrid Birker	Brian Kensley
Jeffrey Brown	Erin McCray
Victoria Byre	Stefanie McDaniel
Rebecca Carson	Diana Miller
Christian Maloney Cicimurri	Ingrid Neuman
Maureen DaRos	Chris Norris
Gordon Edmund	Torrey Nyborg
Noel Falk	Dennis Pilaske
Linda Gordon	Robert Reynolds
Ana Fabiola Guzman	Adrienne Russell
Jennifer Hain	Kim Stevens
Ronald Harvey	Anthony Swinehart
Richard Harris	Jody Ullman
Alice Hart	Karen Wetmore
Kristine Hastreiter	Barbara Williams
Michael Henderson	Robert Wilson

Lisa F. Palmer, Treasurer

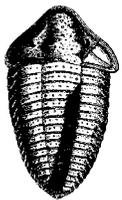
**Special
Announcements**

Paleontological Collections Inventory

A large number of historically-known paleontological collections cannot be located easily by modern researchers. Many of these collections have been referred to in the scientific literature as belonging to deceased individuals, or to institutions and organizations that may no longer exist. In addition, many 19th and early 20th century museums listed in contemporary directories have closed, and the fate of their collections is unknown to most researchers. The purpose of this project is to locate as many of these 'lost' collections (many of which contain type and figured material), assess their current condition, document their histories and establish an electronic database of collections and collectors for use by researchers.

The program will consist of three phases and will be proactive in nature. It differs significantly from earlier collection surveys, such as CONARIP, in its scope, strategy, and purpose; however, it shares the final goal of a collection database useful to researchers. This inventory will include all sorts of paleontological collections, not just invertebrates. Instead of relying on institutions to respond to mailed questionnaires, we will actively seek out collections using historical information, such as old museum directories, and more recent survey data to prepare regional lists of known collections. Volunteers from the paleontological community will then be asked to locate collections within their regions and visit the collection sites personally to gather information. Finally, this information will be placed in an electronic database that will allow the user to search for collections and collectors using a variety of key words.

Information gathered during Phase 1 will focus on the current status, or fate, of historically-known collections, especially those not located in a currently-active museum, under the care of a paleontologically-trained curator, or in institutions that did not respond to earlier questionnaires. This information will be gathered by local volunteers from the paleontological community within each region, if possible, starting with the midwestern and northeastern sections of the U.S. Initially, contact will be attempted by phone to determine what data can be obtained from institution personnel and what further work will be needed for each collection. Large collections in active museums generally will not be covered during Phase 1 because their status is already known and preliminary information can be obtained from existing museum staff.



During Phase 2 each collection, especially 'lost' collections, will be assessed in more detail, following a uniform set of guidelines. Collections in large institutions will be surveyed by existing curatorial staff, if possible. Return site-visits will be undertaken for all other collections only if the necessary information cannot be acquired during the first visit.

A database will be developed during Phase 3 at the Yale Peabody Museum. It will be designed for maximum utility, allowing the user to access information about the location of specific collections based on collector, taxonomy, age, stratigraphic position,

geographic location, etc. In addition, examples of labels and handwriting samples of prominent collectors will be acquired and kept on file and put on the web. We encourage individual museums to list collection and collector information on their own web site.

Contact Don Mikulic, Illinois State Geological Survey, 615 E. Peabody Dr., Champaign, IL 61820; 217-244-2518 (voice); 217-333-2830 (fax); mikulic@geoserv.isgs.uiuc.edu (email) or Fred Collier, Museum of Comparative Zoology, Harvard University, 26 Oxford St., Cambridge, MA 02138; 617-496-5406 (voice); 617-496-5535 (fax); collier@mcz.harvard.edu (email) for information. Visit www.peabody.yale.edu/collections/ip for a detailed description of this project.

Come and Get Em

SPNHC has new and more colorful flyers—one containing information about SPNHC along with brochures and membership applications and the other promoting our two storage books. Please help circulate them to help our Society grow. Remember to use flyers and brochures when you or your museum hosts your next meeting!

These brochures are being disseminated to SPNHC officers, Council members, and everyone on the Membership Committee. Ask if you would like some. If you need a large amount (100 or more) contact Ann Pinzl at 775-687-4819, ext. 237 (voice); apinzl@iahonton.clan.lib.nv.us, or Lisa Palmer at 202-786-2426 (voice); palmer.lisa@nmnh.si.edu (email).

Programs for Museum Advancement and Excellence

The American Association of Museums (AAM) announces the formation of a new department, Programs for Museum Advancement & Excellence (PMA&E). Designed to enhance AAM's service to the field, PMA&E unites three well-established AAM programs—the Accreditation program, Museum Assessment Program (MAP), and Technical Information Service (TIS)—under the leadership of Kim Igoe. Through the individual programs, PMA&E provides the museum community with a comprehensive network of support that motivates, encourages and recognizes museums as they strive to raise their level of public accountability, make advances in performance, achieve excellence, and increase their responsiveness to the needs of their communities.

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AAM Programs, continued from page 5

More information for these AAM programs is available at www.aam-us.org or by contacting the individual offices: Accreditation: 202-289-9116, accreditation@aam-us.org; Museum Assessment Program: 202-289-9118, map@aam-us.org; Technical Information Service: 202-289-9117, tis@aam-us.org.

NPCTT Grant, continued from page 1

'Research Priorities in Art and Architectural Conservation' (published by the American Institute for conservation, 1994), and 'Report for the NPCTT on Funding Priorities in Materials Conservation' (results of a 1996 survey of the AIC membership published by the NPCTT in 1996). One of the goals will be to identify research areas and needs that are of interest to both the arts and natural history communities to foster cooperative efforts in both technology transfer and research.

The steps in the project include literature searches, a pilot survey of the Conservation Committee Members, and a full survey of the SPNHC members. External specialists will also be surveyed to provide an additional perspective for developing priorities. The resulting report will provide a useful and timely reference for people dealing with the needs of preserving natural history collections for research, education and exhibition.

SPNHC is grateful to the National Center for Preservation Technology and Training for its support with this grant. NPCTT is an interdisciplinary effort by the National Park Service to advance the art, craft and science of historic preservation in the fields of archeology, historic architecture, historic landscapes, materials conservation and history. NPCTT serves public and private practitioners through research, education and information management.

Treasurer's Report, continued from page 2

orders have been processed since the beginning of the year. In addition to the traditional ordering sources, we have had a marked increase in book sales from internet-based booksellers such as *amazon.com* and *barnesandnoble.com*. Special appreciation goes to past Treasurer, Julie Golden, who has been a big help in ensuring smooth delivery of the orders.

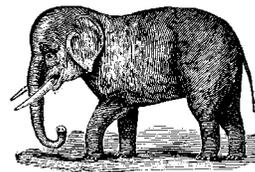
Please note, all printed copies of *SPNHC Leaflet #1*, 'Anoxic Microenvironments: A Simple Guide,' have been sold out. However, thanks to our talented SPNHC webmaster, Jon Greggs, all three *SPNHC Leaflets* are downloadable for individual, non-commercial use at the SPNHC website, www.spnhc.org

Our membership database is undergoing a slight restructuring. Associate and life members, as well as library subscribers, have been assigned a unique membership number to expedite invoicing and billing. We expect to implement the numbering system for individual members before the next renewal cycle.

Congratulations to the SPNHC Conservation Committee for receiving a US National Park Service NPCTT Grant of \$9,950! This grant is to review priorities for research in the conservation of natu-

ral history specimens. SPNHC member Paisely Cato is the project's principal contact. A separate bank account has been established to handle these federal funds.

After completing my first full year as SPNHC Treasurer, I have become keenly aware that there is a lot more to SPNHC than meets the eye. I would like to publicly acknowledge the help of two people who epitomize the concept of teamwork. Thank you Julia Golden and Suzanne McLaren, currently Co-Chairs of the Finance Committee. Julie and Sue are indispensable to SPNHC, not only because of their in-depth knowledge of the Society, but also for their practical guidance in fiscal matters. I am truly thankful for their willingness to lend a helping hand.



SPNHC '99

"For the increase and diffusion of knowledge..."

The Smithsonian Institution, through the Smithsonian Center for Materials Research and Education (SCMRE), and the National Museum of Natural History (NMNH), are pleased to host the 14th Annual Meeting of the Society for the Preservation of Natural History Collections, June 27 - July 2, 1999. Information for the 14th annual meeting can be found on the SPNHC web page at www.spnhc.org or by contacting David von Endt (dve@scmre.si.edu). Packages of information will be going out shortly to SPNHC members. Registration received on or before May 15, 1999 will cost \$75 for SPNHC members or \$95 for non-members. After May 15th, registration cost is \$100 for members or \$120 for non-members. Housing is available at George Washington University's dormitories, and blocks of rooms have been reserved at two local hotels: the Holiday Inn Capitol and the One Washington Circle Hotel.

Abstract submissions are due May 1, 1999. Three theme sessions will highlight the technical program. The sessions are *Molecular Research / Frozen Tissue Collections*, *Health and Safety Issues in Collections and Repatriation Session*. Posters and presentations of general interest are encouraged. Registration for two of the workshops, *CO₂ Fumigation* and *Rigging*, is limited and therefore on a first come, first serve basis. With generous support from Delta Designs Ltd., a two-day workshop on *Finance and Funding: Linking Collections Care Needs to Money in the Museum* will be offered prior to the conference.

Washington, DC is easily accessible by rail, bus or air. In late June you can expect hot, sunny days with warm nights. Daily temperatures range on average from 19°C (66.5°F) to 31°C (88°F). Due to the proximity to the 4th of July weekend, this will be a busy time in DC. Book your hotel and travel reservations early. We look forward to seeing you in July!

Check your Bookmarks

Check your bookmarks is a column devoted to interesting websites focusing on natural history collection management, computerization and conservation. Interesting sites or suggestions may be submitted to the Newsletter Editor.

BioBridge

If you are interested in entomology or other arthropod information you may find it useful to know that a major new resource will be available on the Web in January 1999. The service, called BioBridge to Entomology, is being launched through an alliance between BIOSIS and CABI Publishing, the world's two leading life science database publishers. It will be a gateway to information on all arthropods, with a new integrated database at its core, combining the resources of BIOSIS Previews, CAB ABSTRACTS and Zoological Record. As a joint resource the database will offer more than other entomology information sources available, not only in the number of records included but also in the depth and breadth of coverage.



The database will retain the original features of the contributing resources, but will allow cross-database searching in an easy and user-friendly manner. Term mapping and duplicate record identification will add to the functionality of the combined database. Almost 200,000 references will be included in BioBridge to Entomology, dating from 1995 to the present, and the database will be updated on a monthly basis. The database will cover pure and applied information relating to arthropods, including insects, arachnids and crustaceans, and encompassing their natural biology as well as medical, veterinary, aquaculture and agricultural topics. If you would like to assess the suitability of BioBridge to Entomology for your needs, you can register now for a free 30 day trial to start in January. For more information and to request a free trial visit the BioBridge to Entomology Web site at www.biobridge.org.

Herbarium News

After an extended hiatus, the Herbarium News has re-surfaced, but in an on-line, web-accessible format. The ten major sections of the printed version (News from Herbaria, News & Notes, Meetings & Workshops, Computer News, Educational Opportunities, Funding Opportunities, Recent Literature, Recent Deaths, Recent Loans, Positions Available) have been maintained as separate "pages." New items will be added to the appropriate section as they are received, while older items will be removed periodically to keep the pages to a manageable size. Please distribute the Herbarium News URL to any colleagues who might have an interest in herbarium-related activities.



Jim Solomon, the editor of Herbarium News and a member of SPNHC, says: "I hope readers will continue to find this an appropriate venue for information about activities that are of interest to the herbarium community. I encourage anyone with news items to submit them, as well as comments about the content and presentation style, to me at: solomon@mobot.mobot.org." The on-line version of Herbarium News can be accessed through the Missouri Botanical Garden home page: www.mobot.org under Research or directly at: hoya.mobot.org/mobot/research/herbarium.

International Cultural Property Protection

The United States Information Agency (USIA) is pleased to announce its new web page featuring International Cultural Property Protection:

www.usia.gov/education/culprop/index.html

The page provides background on the problem of international pillage of artifacts and the U.S. response; information about relevant laws, bilateral agreements and U.S. import restrictions; recent news stories and magazine articles; and much more. High-resolution images of classes of artifacts protected by the U.S. will be added in the near future.

The United States is joined with many other countries in an international effort to protect cultural heritage globally. USIA, which oversees the U.S. role in protecting international cultural property, is the lead agency in carrying out decision-making responsibilities under the Convention on Cultural Property Implementation Act. The Act enables the United States to impose import restrictions on certain categories of archaeological or ethnological material in accordance with the 1970 UNESCO Convention on the Means of Prohibiting and Preventing the Illicit Import and Transfer of Ownership of Cultural Property when the pillage of such material places in jeopardy the cultural heritage of the country of origin. USIA also supports the Cultural Property Advisory Committee, appointed by the President, in carrying out its responsibilities under the Act.

CALENDAR OF EVENTS

The Calendar of Events is an attempt to list application deadlines, conferences and symposium relevant to collection management, computerization and conservation of natural history collections. Notices may be submitted to the Newsletter Editor.

February, 1999

February 26, 1999. **Institute of Museum & Library Service MAP III: Public Dimension Assessment.** Application deadline.

March, 1999

March 1-3, 1999. **NYU Conservation Environment Workshops.** Three workshops (Conservation Environments for Museums and Libraries, Fundamentals of Conservation Environment Lighting and Establishing a Conservation Environment Monitoring Program) will be offered as part of the Building and Construction Seminar Series at the New York University Real Estate Institute.

March 5, 1999. **Institute of Museum & Library Service Conservation Project Support Program (CP).** Application deadline.

March 11-14, 1999. **Museums of the WEB 1999**, New Orleans, Louisiana. The only professional conference devoted to the impact of the web on museums and museology. Museums and the Web 99 will feature approximately 135 speakers from around the world. For more information visit www.archimuse.com/mw99 for registration information and a preliminary program.

March 12, 1999. **Institute of Museum & Library Service MAP II: Collections Management Assessment.** Application deadline.

March 24, 1999. **Preservation of Paper-based Collections: Collaborative Case Studies from Around the Mall**, Smithsonian Center for Materials Research and Education. This half-day of presentations marks the kickoff for the 7th Annual RELACT Lecture Series, sponsored by SCMRE's Research, Libraries, and Archives Collections Conservation Task Force. No tuition fee. For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746; 301-238-3700 (voice); 301-238-3709 (fax).

March 29-April 2, 1999. **Polarized Light Microscopy – Fundamentals and Applications for Conservators and Archaeologists**, Smithsonian Center for Materials Research and Education. This course furnishes an in-depth look at the fundamentals of polarized light microscopy and applications for those in museum and/or archaeological fields. It includes principles (wave nature of light, isotropy, anisotropy, and optical activity), mechanics and use of polarizing microscopes, sample preparation, orthoscopy, and special methods. Emphasis will be on pigments, particles and fibers. Attendees will be selected from the applicants in concert with the faculty. Tuition fee: \$500. For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746; (301) 238-3700 (voice); (301) 238-3709 (fax).

April, 1999

April 19-21, 1999. **Preservation Management: Between Policy and Practice**, in the Hague, Netherlands. A European conference organized by the KB (national library of the Netherlands), IFLA-PAC and ECPA. Preservation management is of central importance in provision of long-term access to the intellectual heritage, but formal training does not exist. This conference will focus on organizational, financial and managerial aspects of preservation. Fee: ECU 150.00, including lunches. Proceedings will be sent to each participant. Visit web site: www.konbib.nl/pmc or contact ECPA, PO Box 19121, 1000 GC Amsterdam, The Netherlands; 31-20-620 4941 (fax); ecpa@bureau.knaw.nl (email).

April 30, 1999. **Institute of Museum & Library Service MAP I: Institutional Assessment.** Application deadline.

May, 1999

May 1, 1999. **SPNHC abstract submission deadline** for 14th annual meeting in Washington, DC.

May 13-16, 1999. **Looking at Paper: Evidence and Interpretation**, Toronto, Canada. A conference sponsored by the Canadian Association for Conservation (CAC) and the Institute of Paper Conservation. Historical and bibliographical analysis of paper, including production and use. For information contact: "Looking at Paper", Box 956, Station F, Toronto, Ont. M4Y 2N9, Canada; 416-204-2692 (fax); john.oneill@ago.net (email).

May 15, 1999. **SPNHC early registration deadline** for 14th annual meeting in Washington, DC.

May 17-19, 1999. **6th International Conference on Non-Destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage**, in Rome. Official language: English. Deadline for summaries of papers and posters: 30 Sept. 1998. For details see p. 5 of the August 1998 *IIC Bulletin*. Registration: Lit. 350,000 + VAT (20%); students much less. For more information contact AIPnD – Rome Office, +39 6 320 04 38 (fax).

May 20, 1999. **GCG Seminar: 25 Years of GCG!**, Geological Society, Burlington House, Piccadilly, London, England. May 1999 is GCG's 25th anniversary. This seminar will examine the original aims and objectives of GCG, review the work of the Group over the last 25 years, and set the agenda for the future, with the focus of the meeting on collections. If you would like to give a talk please contact Steve McLean, The Hancock Museum, Barras Bridge, Newcastle upon Tyne, NE2 4PT; 0191 222 6765 (voice); s.g.mclean@ncl.ac.uk (email).

May 20-21, 1999. **Integrated Pest Management**, in Minneapolis, MN. Workshop organized by the Upper Midwest Conservation Association. Call the Field Services Dept., 612-870-3182 for information.

May 24-28, 1999. **Mountmaking for Museum Objects**, Smithsonian Center for Materials Research and Education (SCMRE). Targeting a mix of museum preparators, mountmakers, designers, and conservators, this course will address mountmaking issues for three-dimensional objects during lectures, demonstrations, and hands-on practice sessions making actual mounts. The course is limited to twelve attendees. Tuition fee: \$500. For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746, 301-238-3700 (voice); (301) 238-3709 (fax).

May 26-30, 1999. **CAC (Canadian Association for Conservation of Cultural Property) 25th Annual Conference and Workshop**, in Winnipeg. The workshop, "Green Conservation: Environmental and Human Safety in Conservation," will be May 26-27, focusing on mitigation of health and environmental hazards in conservation. The conference is May 28-30. Abstracts for both are invited by Dec. 31. For more information contact Jasmina Vlaovic, Program Chair, Winnipeg Art Gallery, 300 Memorial Blvd., Winnipeg, MB R3C 1V1, Canada; (204-786-6641 (voice); 204-788-4998 (fax); ccollin1@wag.mb.ca (email).

June, 1999

June 1999. **International Conference on Microbiology and Conservation**, in Florence. Details on web site www.area.fi.cnr.it/icmc. [From a message posted by Dott. Piero Tiano, CNR – C.s. "Opera d'Arte" – Via degli Alfani 74 50121 – Firenze, Italy; +39 55 214777 (voice); 39 55 2757660 (fax).]

June 7-11, 1999. **The Museum Building and Environment**, sponsored by the Australian Museum, Sydney, Australia. The five day course is designed for Museums, Libraries, and Archives personnel. The workshop will bring together recent information relevant to personnel managing collections. Topics covered through both lectures and practicals will include environmental standards, risk analysis, disaster preparedness, passive and active climate control, monitoring of micro-environment, building orientation and design, appropriate design to avoid condensation, optimising microclimate through design and materials selection, low impact and sustainable materials selection, and dealing with indoor and outdoor pollutants. The registration fee for the workshop is AU\$ 900 which includes workshop notes, site visits, opening reception, morning and afternoon tea and some lunches. For further information please contact: Vinod Daniel, Head, Research Centre for Materials Conservation and the Built Environment, Australian Museum, 6 College Street, Sydney, NSW 2000, Australia, 61 2 9320 6115 (voice); 61 2 9320 6070 (fax); Vinodd@ams.gov.au (email).

June 7-13, 1999. **American Institute for Conservation Annual Meeting**, in St. Louis. Program will focus on two topics on June 8 and 9: "The Costs of Conserving Our Cultural Heritage: Can We Afford It?" and "Used or Misused: The Responsible Preservation of Cultural Objects Still in Use." A portion of the Book and Paper program will be a joint session with the Photographic Materials Specialty Group to address the interdisciplinary conservation issues of albums and scrapbooks. The Research and Technical Studies group (RATS) will discuss testing of materials for use with collections. All AIC papers were invited by October 2 (relevant information is in the September *AIC News*). For information call Ingrid A. Neuman, Program Chair, at 413-458-9168.

June 21- July 26, 1999. **Conserving Photographs 2**, in London. An intensive workshop for experienced conservators, covering advanced practical skills and current knowledge and developments in the preservation and conservation of paper-based photographic images. Visit web site dSPACE.dial.pipex.com/cpc.moor/ or contact Angela Moor, Centre for Photographic Conservation, 233 Stanstead Road, Forest Hill, London SE23 1HU, England; +44 181-690-3678 (voice); +44 181-314-1940 (fax); xfa59@dial.pipex.com (email).

June 24-30, 1999. **79th Annual Meeting of the American Society of Ichthyologists & Herpetologists**, The Pennsylvania State University, University Park, Pennsylvania. For information contact Jay Stauffer, 814-863-0645 (voice); vc5@psu.edu (email).

June 28-July 3, 1999. **Annual Meeting of the Society for the Preservation of Natural History Collections**, Washington, DC. The 1999 Annual Meeting of the Society for the Preservation of Natural History Collections (SPNHC) will be held at the Ripley Center of the Smithsonian Institution. For further information contact: Elizabeth Merritt, Grier Collection Research Center, 1720 Gilbert Avenue, Cincinnati OH 45202; 513-345-8500 (voice), 513-345-8501 (fax); 74437.462@compuserve.com (email).

June 28-August 6, 1999. **Preservation Principles for Paper-based Collections: Fundamentals and Future Directions in a Digital World**, Smithsonian Center for Materials Research and Education. The course topics reflect the theory and practice necessary to develop strategic plans addressing core preservation responsibilities that encompass management, duplication, environmental control, collections maintenance, and conservation treatment, research and training. For further information contact ICCROM at: Via di San Michele 13, 00153 Rome, Italy; iccrom@iccrom.org (email). For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746; 301-238-3700 (voice); 301-238-3709 (fax).

July, 1999

July 14-17, 1999. **Campbell Center for Historic Preservation Studies, Section I: Environmental Monitoring & Control**, Instructor Sue Maltby. A course providing an in-depth study of the monitoring and control of the museum environment on the various organic and inorganic materials covered in Section II. The class will combine lectures and practical sessions on the evaluation and use of a variety of equipment including light meters, psychrometers, recording and non-recording hydro-thermographs, indicator strips, and air quality monitoring devices. Methods for the modification and control of localized environments, including the avoidance of destructive micro-climates, and the creation of beneficial ones will also be covered. Enrollment Limit: 10, Course Fee: \$1,500 (I&II, including accommodations), Registration Deadline: June 1, 1999. For information, contact Campbell Center for Historic Preservation Studies, 203 East Seminary, Mount Carroll, IL 61053; 815-244-1173 (voice); 815-244-1619 (fax); www.campbellcenter.org (online catalog).

July 14-17, 1999. **Campbell Center for Historic Preservation Studies, Section II: Materials, Examination, & Documentation**. Section II will provide a foundation for collection care decision making based on an understanding of the chemical and physical properties of specimens. The course will include discussions of the scope and functions of collections, documentation, and ethical and legal con-

siderations, however the primary emphasis will be on understanding the nature of materials and decision making with regard to long term preservation. The course will include sessions on the chemical and physical properties of materials and the effects of environment on those materials. Each materials section will include practica on examination and assessment of condition, and sessions on handling, storage, and exhibit techniques appropriate to specific materials and collections. Participants are encouraged to bring slides or photographs that illustrate their collections care problems. Enrollment Limit: 10, Course Fee: \$1,500 (I&II, including accommodations), Registration Deadline: June 1, 1999. For information, contact Campbell Center for Historic Preservation Studies, 203 East Seminary, Mount Carroll, IL 61053; 815-244-1173 (voice); 815-244-1619 (fax); www.campbellcenter.org (online catalog).

July 19-23, 1999. **Technology and Preservation of Glass, Ceramics, Pottery, and Metals**, Smithsonian Center for Materials Research and Education. Offered through the George Washington University, this course is a five-afternoon survey of the materials, fabrication, deterioration and preservation of glass, ceramics, pottery and metals. The course will include lectures and demonstrations by SCMRE staff, and is intended to inform prospective caretakers and appraisers on the nature of these artifacts. To register contact: GWU Appraisal Studies Program, 202-973-1175. For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746; 301-238-3700 (voice); 301-238-3709 (fax).

August, 1999

August 1-7, 1999. **XVI International Botanical Congress**, St. Louis, MO, USA. Organized by the North American botanical community, including botanical, mycological and ecological societies, universities, research institutions and others. It will provide a forum for presentation and discussion of the latest advances in plant sciences. The First Circular is available and symposia proposals will be accepted until 15 September 1997.

August 14-19, 1999. **Preserving Photographs in a Digital World**, Rochester, NY. A course from the Image Permanence Institute, combining traditional preservation techniques with digital methods in lectures, demonstrations, and workshops. For information and registration, call 1-800-724-2536, ext. 339 (voice); 716-475-7000 (fax); or send a letter to Rochester Institute of Technology, T&E Center Registration, 67 Lomb Memorial Drive, Rochester, NY 14623-5603.

August 15-21, 1999. **Natural History Collections: Banks of Biodiversity**, Transvaal Museum, South Africa. The theme of this symposium will be the status of natural history collections on the African continent. Formal presentations (20 minutes), research reports (10 minutes) and posters will be welcome. Interested parties should contact Paul Bayliss, Transvaal Museum, PO Box 413, Pretoria 0001, South Africa; +27 12 322-7632 (voice); +27 12 322-7939 (fax); bayliss@tm.up.ac.za (email). Further information about the meeting is posted at www-tm.up.ac.za/info/cmmtg.htm.

August 19-21, 1999. Campbell Center for Historic Preservation Studies, **Funding Collections Care: A Grant Writing Workshop**. This three-day workshop is intended for curatorial staff of small to mid-sized museums, and is designed to help secure funding to meet a range of collections care needs. The class will combine lecture and practical sessions. Participants are encouraged to bring with them copies of grant proposals (successful or unsuccessful) submitted by

their institutions. Enrollment Limit: 12. Course Fee: \$420 (including accommodations). Registration Deadline: July 1, 1999. For information, contact Campbell Center for Historic Preservation Studies, 203 East Seminary, Mount Carroll, IL 61053, 815-244-1173 (voice); 815-244-1619 (fax); www.campbellcenter.org (online catalog).

August 23-29, 1999. **Annual Meeting for the Society of American Archivists**, in Pittsburgh. Theme: Meeting the challenge of contemporary records. See web site under 'annual meeting' at www.archivists.org.

August 29 - 4 September, 1999. **ICOM-Committee for Conservation 12th Triennial Meeting**, Lyon, France. For more information please contact Jean-Pierre Mohen (mohen@culture.fr) Laboratoire de Recherche des Musees de France, 6 rue des Pyramides, 75041 Paris Codex, 01, France, 33 1 4020 5650 (voice), 33 1 4703 3246 (fax).

September, 1999

September 3, 1999. **National Science Foundation - Biological Resources** application deadline.

September 8-10, 1999. **Reversibility—Does it Exist?**, London, England. Conference held by the British Museum Department of Conservation. The concept of reversibility as applied to cleaning, stabilization, consolidation, assembly, and restoration will be addressed, as will changes to the physical or chemical properties of objects as a result of conservation. The conference will be confined to the portable heritage, excluding buildings but including mosaics and wall paintings. For information contact Sara Carroll, Dept. of Conservation, British Museum, Great Russell St., London WC1B 3DG; 44 171 323 8636 (fax); conservation@british-museum.ac.uk (email).

September 13-17, 1999. **IPC workshop on tape and tape removal**, with classroom and practical working sessions, in Newcastle, UK. Coverage includes identification, aging properties, non-solvent removal, past removal methods, and more. Tutors: Elissa O'Loughlin and Linda Stiber. Fee: 370 lbs. IPC members, 400 lbs. nonmembers. For information contact Institute for Paper Conservation, tel. 44 1886 832323; 44 1886 833688 9 (fax); clare@ipc.org.uk (email).

September 23-25, 1999. **Campbell Center for Historic Preservation Studies, Computer Software for Collections Management**. This course will provide an introduction to automation for collections managers and museum administrators, and is intended to provide a foundation which will enable participants to implement an automated system of cataloguing and collections care designed to meet the specific needs of their institution. The course will combine lecture with small group exercises, and participants will receive a workbook and resource materials. Participants are requested to bring to the class copies of their current catalog, accession, and condition reporting records. Enrollment Limit: 15. Course Fee: \$420 (including accommodations). Registration Deadline: August 1, 1999. For information, contact Campbell Center for Historic Preservation Studies, 203 East Seminary, Mount Carroll, IL 61053; 815-244-1173 (voice); 815-244-1619 (fax); www.campbellcenter.org (online catalog).

October, 1999

27-30 October, 1999. **Access for All: Integrating Cultural Heritage, Media and Technology**, at the Wyndham Franklin Plaza Hotel, Philadelphia, Pennsylvania, USA. Museums are on the verge of delivering on the promise that new media and technology will bring

their resources out of the storerooms and galleries and into an ever-expanding global audience. This conference explores how cultural heritage institutions are succeeding in forging a more perfect union between their traditional missions and new ways to communicate. MCN'99 (The Museum Computer Network) offers a broad overview of opportunities, workshops for in-depth learning, and the chance to meet people who are creating and managing the most innovative projects and discussing the most interesting new ideas. Special emphasis will be placed on new media initiatives, information integration, knowledge management, and organizational and cultural change, as we explore the confluence of information, technology, and media in today's evolving museums and cultural institutions. MCN'99 is for everyone interested in using new technologies and media to help us all better understand and appreciate cultural heritage collections. For more information, please contact: MCN Membership Office, 8720 Georgia Avenue, Suite 501, Silver Spring, MD 20910 USA; 301-585-4413 (voice); 301-495-0810 (fax); mdevine@asis.org (email).

29-31 October 1999. **International Taxonomic Databases Working Group**, Harvard University Herbaria, Cambridge, Massachusetts 02138, USA. The explosion in the creation and utilization of biodiversity data systems has brought to the fore the need for standards, models and interoperability. This workshop is organized by the International Taxonomic Databases Working Group, TDWG, a specialist group of IUBS, to further the creation and use of standards in the biodiversity data systems community. To request additional information, please contact Peter Stevens at peter.stevens@mobot.org (email).

November, 1999

November 15-19, 1999. **Plant Anatomy and Morphology for Objects Conservators and Archaeologists**, Smithsonian Center for Materials Research and Education. This course provides an introduction to and appreciation of plant anatomy and morphology for those dealing with ethnographic objects made from or containing plant materials. Emphasis is on herbaceous characters of leaves, stems, roots, and bark. Wood anatomy and identification will be covered in a separate course. The information provided will form the basis for construction of reference material sets, recognition of anatomical characters and comparative analysis of unknown samples. Areas covered include anatomical characters, sampling, microtechniques, and data accumulation from both reference and unknown materials. Students are welcome to bring an object for analysis. Attendees will be selected from the applicants in concert with the faculty. Tuition fee: \$500. For information about this course or any other SCMRE Education Programming, contact: Francine T. Lewis, SCMRE Education Program, Museum Support Center, 4210 Silver Hill Road, Suitland, MD 20746, (301) 238-3700 (voice); (301) 238-3709 (fax).

November 30, 1999. **Triennial Meeting of the ICOM-CC Working Group on Training in Conservation and Restoration**, in Lyon, France. Submit proposed papers by Nov. 90, 1998, to Kathleen Dardes, WG Coordinator, Getty Conservation Institute, 1200 Getty Center Dr., Ste. 700, Los Angeles, CA 90049-1684.

December, 1999

December 1999. **School for Scanning: Issues of Preservation and Access for Paper-Based Collections**, in New Orleans. Contact NEDCC, 100 Brickstone Square, Andover, MA 01810 for information.

December 3, 1999. **Institute of Museum & Library Service Conservation Assessment Program (CAP)**. Application deadline.

January, 2000

January, 2000. **Institute of Museum & Library Service General Operating Support Program (GOS)**. Application deadline.

June, 2000

June 2000. **American Institute for Conservation Annual Meeting**, in Philadelphia, PA.

July, 2000

July 10-14, 2000. **15th Annual Meeting of the Society for the Preservation of Natural History Collections**. Halifax, Nova Scotia. Hosted by the Geological Survey of Canada and Nova Scotia Museum of Natural History. We hope that you will be joining us in Halifax, Nova Scotia for SPNHC 2000. The organizing committee is pleased to announce that plans are falling into place for our 15th Annual meeting for the Society of the Preservation of Natural History Collections, scheduled for July 10-14, 2000. The theme will be Maritime Natural History. Watch for our mascot of ceremonies "Benny the Blue Lobster." Some new and exciting maritime events include: a whale watching expedition on 9 July; custom tailored minivan tours of the city with individual guides provided on local Geology, Botany, Archaeology and History; and a lobster dinner (alternatives provided) banquet, served during a Halifax Harbour cruise. Field trips to the Parrsboro and Joggins area, Annapolis Valley, Acadian Dykes, Grand Pre and Blomidon are planned for July 14-15th. Rooms have been booked on campus at Dalhousie University (<\$40Cdn), which includes parking, breakfast and access to Dalplex exercise facilities. So come prepared to experience downeast hospitality and a conference to remember for years to come. Lobster bibs and picks will be available upon request!

August, 2000

August 20-26, 2000. **International Congress of Entomology**, Iguassu Falls, Brazil. Contact: Dr. Decio Luiz GaO. Box 231, 86001-970 Londrina-PR, Brazil.

Summer, 2002

Summer, 2002. **17th Annual Meeting of the Society for the Preservation of Natural History Collections**. Redpath Museum, Montreal, Quebec, Canada. An invitation to host the 2002 Annual General Meeting of SPNHC has been offered from the Redpath Museum at McGill University in Montreal Canada. Registration costs will probably not exceed \$125 CAN and affordable accommodations can be arranged at the nearby dormitories and hotels. Co-organized with the Canadian Museum of Nature and focussing on the theme of Biodiversity, these meetings will span 3 - 4 days with technical sessions enveloped by special visits to sites such as the Biodome, the Insectarium and the Ecomuseum. For more information contact Ingrid Birker, at the Redpath Museum, McGill University, 859 Sherbrooke St. West, Montreal, QC H3A 2K6, Canada; 514-398-4086 ext. 4094 (voice); 514-398-3185 (fax); ibirker@hotmail.com (email).

Publications of Interest

This section is from the Conservation Committee and chaired by Paula T. Work of the Citations Subcommittee. Prices and availability are cited when available. Annotations are provided by Diana Dicus {DD} and Ann Pinzl {AP}. Contributions and comments may be submitted to Paula Work, Grier Collection Research Center, 1720 Gilbert Avenue, Cincinnati OH 45202; 513-345-8506 (voice); 513-345-8501 (fax); ptwork@fuse.net (email).

ACGIH Pubn. #9612. ISBN: 0-87371-724-4. 1995. Bioaerosols. H. Burge, editor. 331 pages. \$94 from ACGIH, Kemper Woods Center, 1330 Kemper Meadow Dr., Cincinnati, OH 45240-1634; 513-742-2020 (voice); 742-3355 (fax); pubs@cgih.org (email); www.acgih.org).

This is a reference text on biological contaminants, including mold. Chapters include Bioaerosol Investigations, Airborne Contagious Disease, Endotoxin, Mammalian Aeroallergens, Bioaerosol-Induced Hypersensitivity Diseases, and Sampling and Analysis of Biological VOC's (volatile organic compounds). {DD}

Anon. 1998. Planning for growth: Liverpool Museum Herbarium 2001. Natural Sciences Conservation Group Newsletter, No. 9:50-54.

Bowden, A. 1998. The Rox Project: A museum earth science education package. The Geological Curator 6(10): 389-394.

Brown, P. A. 1998. Microscope slide collection storage, the horizontal or the vertical? How should slide collections be housed? Natural Sciences Conservation Group Newsletter 9:43-49.

Buttler, C. and S. Howe. 1998. Casting a dinosaur trackway from the Bendricks, Barry, South Wales, U.K. The Geological Curator 6(10):373-376.

Cameron, K.D., S.B. Broyles, and P.K. Ducey. 1998. Non-lethal technique for obtaining tissue for molecular studies of *Ambystoma* salamanders. Herpetological Review 29(1):20-23.

Carter, J. 1998. The Jefferson collection of invertebrate animals: a zoological conservation project. The Conservator 22:36-43.

Chapman, V. 1998.. Guesstimating storage space. Natural Sciences Conservation Group Newsletter 9:34-42.

Along with some generalized caveats, predictive formulae to determine necessary floor space to house "large collections where most of the objects are relatively small, the sort one person can lift unaided" for three types of storage: fixed, compactor and 'storage on display' (with a greater amount of public usage). {AP}

Clark, A. 1998. Reptile sheds yield high quality DNA. Herpetological Review, 29(1):17-18.

Cordero, P.J., A. Salvador, and J.P. Veiga. 1998. A method of DNA sampling in lizards with tail autotomy. Herpetological Review 29(1):23-25.

Conserve-O-Grams are on the web at www.cr.nps.gov/csd/publications/index.htm

Entwistle, B., and J. Pearson. 1998. Environmental control by conservation heating at Ipswich Museum. Natural Sciences Conservation Group Newsletter 9:19-26.

Fenn J. 1995. "Secret Sabotage: Reassessing Museum Plastics in Display and Storage, Paper presented at the Scottish Society for Conservation and Restoration's 2nd Resins Conference, Aberdeen, Sept. 1995 (Resins, Ancient and Modern). Preprints edited by M. M. Wright and J. H. Townsend.

Discuss of plastics generally considered safe to use for museum storage. Certain conditions under which these plastics can absorb and re-emit gases from other sources. Testing also described. {DD}

Hogg, S., D. McPhail, V. Oakley, and P. Rogers. October 1998. Cracking Crizzling * Eight Years of Collaborative Research, V&A Conservation Journal 29:10-12.

Leiggi, P. and P. May, eds. 1994. Vertebrate paleontological techniques. Volume 1. Cambridge University Press. 344 pp.

Linnie, M.J. 1997. An evaluation of certain chemical methods of pest control under simulated museum conditions. Museum Management and Curatorship 16 (4):414-435.

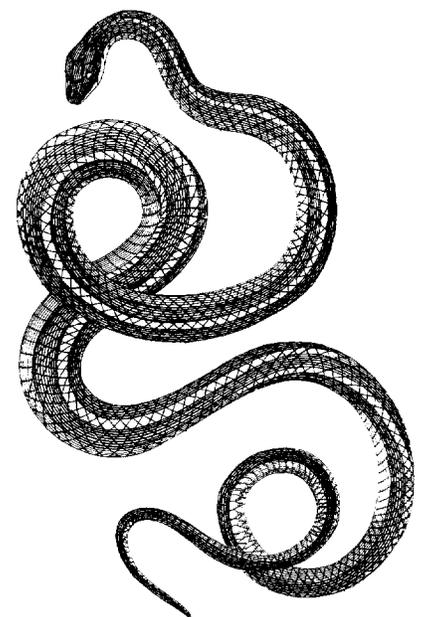
Linnie, M.J. 1996. Integrated pest management: a proposed strategy for natural history museums. Museum Management and Curatorship 15(2):133-143.

Melchin, M. J. and A. J. Anderson. 1998. Infrared videomicroscopy for the study of graptolites and other organic-walled fossils. Journal of Paleontology 72(2):397-400.

Museums and Galleries Commission (MGC) ISBN: 0-87371-724-4. (1998?). Cost/Benefits Appraisals for Collection Care - A Practical guide Available from MGC Publications, priced £6, £1.25 p&p (UK), £2.50 (Overseas). Cheques should be made payable to Museums & Galleries Commission and all orders should be sent to: MGC Publications, 16 Queen Anne's Gate, London, SW1H9AA; 01712334200 (voice); n.poole@mgcuk.co.uk (email).

Museums and Galleries Commission (MGC) Integrated Pest Management (1998?) Available from MGC Publications, priced £12.00. Cheques should be made payable to Museums & Galleries Commission and all orders should be sent to: MGC Publi-

- cations, 16 Queen Anne's Gate, London, SW1H9AA; n.poole@mgcuk.co.uk; 01712334200 (voice).
- National Fire Protection Association, 1997. *Fire Protection Handbook*, 18th ed. Quincy, MA (800593-6372). About 2000 pages; hardcover. \$127.60.
- Discusses sprinkler systems and structural hazards as well as other factors. {DD}
- National Fire Protection Association 1997 ed. NFPA 909: Standard for the Protection of Cultural Resources Including Museums, Libraries, Places of Worship, and Historic Properties. 1 Batterymarch Park, PO Box 9101, Quincy, MA 02269-9101. 226 pp. \$34.10; to order, call 800-344-3555.
- Approved as an American National Standard in August, 1997, so it may still be in print. {DD}
- Newman, A. 1998. Pyrite oxidation and museum collections: A review of theory and conservation treatments. *The Geological Curator* 6(10): 363-371.
- Parkes, M. A., and P. N. Wyse Jackson. 1998. A survey on the state and status of geological collections in museums and private collections in the Republic of Ireland. *The Geological Curator* 6(10): 377-388.
- Pickering, J. 1997. A Survey of ethanol concentration in the collections at the Oxford University Museum of Natural History. *The Biology Curator* 10:1-5.
- Analysis of results from 1995 and 1996 survey of both vertebrate and invertebrate collections, many dating back to the early nineteenth study, mammal results are compared to those of Cato. (1990). {AP}
- Rich, T. C. G. 1998. Criteria for valuating the importance of herbarium collections. *The Biology Curator* 13:2-4.
- Presentation of criteria for a quantitative basis for comparison at the level of the whole herbarium or its component parts, so as to prioritize collections for allocation of resources. {AP}
- Rossell, C.R. Jr. and J.L. Sheehan. 1998. Comparison of histological staining procedures for skeletochronological studies. *Herpetological Review* 29(1):95.
- Rossol, M. 1998. Compliance in recovery: regulatory requirements in the aftermath of disaster. *AIC News* 23(5):1,4-7.
- Ryback, G., A.M. Clark and C.J. Stanley. 1998. Re-examination of the A.W.G. Kingsbury collection of British minerals at the Natural History Museum, London. *The Geological Curator* 6(9): 317-322.
- Sanford, D., L. Johnson and C. Wallingford. 1998. Developing Hantavirus Mitigation Procedures for Cultural Resources. *CRM* 21(9): 35-39.
- Sharpe, T., S. Howe, and C. Howells. 1998. Gallery review: Setting the standard? The Earth galleries at the Natural History Museum, London. *The Geological Curator* 6(10): 395-403.
- Simkiss, W. 1998. Historic storage of invertebrates at Liverpool Museum. *Natural Sciences Conservation Group Newsletter* 9:27-33.
- Revisitation of 1884 analysis by H. H. Higgins as to condition of "invertebrate storage/display", with comments from a contemporary perspective. {AP}
- Swedish Museum of National History, Proceedings of the 3rd Nordic Symposium on Insect Pests in Museums. SEK 180 + postage surface mail (which is SEK 60 to the U.S.), made payable to the Swedish Museum of National History, Attn: Monika Akerlund, Frescativ. 40, Box 50007, SE-104 05 Stockholm, Sweden (+46 8 5195 4201 (voice); +46 8 5195 4085(fax). Payment via SWIFT through Skandinaviska Enskilda Banken, Stockholm, Sweden, a/c 5439-10-330-54. SWIFT address: ESSESESS.
- Townsend, A., C.J. Cleal, and B.A. Thomas. 1998. Bringing the forests back to life. *The Geological Curator* 6(10): 353-361.
- Turner-Walker, G. 1998. The West Runton fossil elephant: a pre-conservation evaluation of its condition, chemistry and burial environment. *The Conservator* 22:26-35.
- Valentin N., R. Garcia, O. de Luis and S. Maekawa. 1998. Microbial Control in Archives, Libraries and Museums by Ventilation Systems. *Restaurator* 19 (2):85-107.
- A discussion of moisture content, ventilation rates, and temperature, as well as other factors. Appears to be a practical perspective. {DD}
- Vogt, K. D. 1998. The reconstitution of dehydrated museum specimens II. *The Biology Curator* 13:6.
- Update of 1991 publication; discussion of method, less damaging and acidic than 1991's, used on salmon fry and sac-fry, in addition to larger specimens, frogs and perch. {AP}
- Webber, P., and A. Norton. 1998. 'The Power of the Poster' and Paper Conservation, *V&A Conservation Journal* 29:13-17.
- Windsor, P. 1998. Levels of collection care - a self-assessment checklist for UK museums. ISBN 0948630620. £6.



POSITION ANNOUNCEMENTS

If you would like to submit job descriptions, please send postings to the Newsletter Editor.

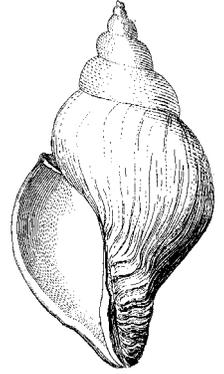
Collections Assistant, Alabama Collections Center. Full-time position available to provide maintenance, care and organization to the Alabama Collections Center. Applicant must have a B.A./B.S. in archaeology, Museum Studies, or in a Natural Science discipline with one-year previous registrarial, collection management or specimen/artifact preparation and conservation practice experience. Major accountabilities include providing effective organization of collections and collections-based information; ensuring maintenance and care of the collection; providing assistance in the laboratory with processing and preparing objects for storage, exhibit, or programs; maintaining the laboratory, storage rooms and records room; and assisting in all other activities necessary to contribute to the efficient operation of the collection while maintaining a high level of professionalism. Qualified applicant must be self-sufficient, detail-oriented and skilled in database management. Please direct all inquiries to: McWane Center, Human Resources, 200 19th Street North, Birmingham, AL 35242 USA; (205) 714-8300 (voice); (205) 714-8400 (fax).

Curator, Auburn University Herbarium. Auburn University Herbarium seeks a full-time curator. This is a professional job responsible to provide curatorial management for the University Herbarium. The position is to maintain collections and data bases at national standards which includes, but not limited to identifying, accessioning, cataloguing, maintaining, and preserving of collections, along with data basing field-notes and other associated records and documentation. To build and improve collections and data bases. To supervise volunteer helpers and work study students. To facilitate the extractions of DNA for selected specimens. Provide public tours and to assist teachers, students and visiting researchers. The Auburn University Herbarium contains about 60,000 specimens of flowering plants and pteridophytes, about 1000 specimens of bryophytes and lichens, and about 3000 specimens of fungi, with emphasis on the Deuteromycetes. This herbarium is the largest one in Alabama being richest in specimens from central portions of the state. The collection houses valuable historic specimens dating to the nineteenth century including those of E. F. Andrews, A. W. Chapman, and W. Wolf. Auburn University Herbarium is regarded as the State Herbarium for Alabama. The position requires basic computer literacy and experience with plant identification. Entry into the applicant pool requires a 4-year college degree in botany or biology; however a Master's degree is desired. Experience in a herbarium setting and database management skills are also desired. Screening of applications will begin May 1, 1999 and will continue until a qualified applicant is identified. Send curriculum vita (transcripts) a statement of your qualifications and have three references send letters of sup-

port to Tommy Waldrop, Employment Specialist, Human Resources, Langdon Hall, Auburn University, AL 36849. Women and minorities are encouraged to apply. Auburn University and the Department of Botany and Microbiology are Affirmative Action/Equal Opportunity Employers.

Curator of Geology Museum, Clemson University. Clemson University invites applications for the position of Curator of the Geology Museum. The primary responsibilities will be collections management and educational outreach. The collections consist of minerals, gems, rocks and fossils. Duties include directing the cataloging, conserving, storing, loaning and accessioning of specimens. The Curator is also expected to conduct tours of the museum and lead educational activities for visiting school groups and the general public. The Curator will supervise the work of volunteers and students who assist in these duties. The curator will also assist the museum director in designing interpretive displays. The Geology Museum at Clemson University is 9 years old. Applicants should have at least a bachelor's degree in geology or a related field and 2 years of either teaching or museum experience. Preference will be given to applicants with either a master's degree or paleontological expertise. Interested candidates should submit a cover letter, resume, and the names and contact information for three references to: Clemson University, Office of Human Resources, Recruitment and Development, Perimeter Road Box 345337, Clemson, SC 29634-5337, (864) 656-1334 (fax).

Librarian, Ernst Mayr Library, Museum of Comparative Zoology, Harvard University. Supervision of a collection of over 280,000 volumes, including special collections/archives, 9 FTE staff and a budget of approx. \$873,000/yr. Responsible for financial and personnel management, collection development, preservation, security and access. Leadership experience within complex organizations; management experience including fiscal, human resource and program administration. Collaborative management style; commitment to service. Advanced degree in zoology or related discipline; M.L.S. or equivalent. Review of applications will continue until the position is filled. Interested parties are invited to submit a letter addressing position qualifications, resume, and the names, addresses, telephone and fax numbers of three references to: Susan Lee, Associate Librarian for Planning and Administration, Harvard College Library, Harvard University, Widener Library, Room 193, Cambridge, MA 02138. Appointment salary commensurate with qualifications and experience. Harvard University offers a competitive benefits package. Harvard is committed to affirmative action and equal employment opportunity.



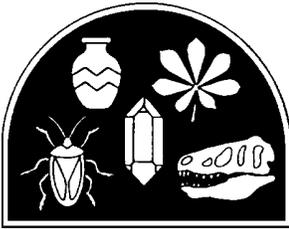
PROGRAM MANAGER, New York Botanical Garden. The New York Botanical Garden has an opening for a PROGRAM MANAGER - PROGRAMMING SERVICES in its Computer Services Department. Act as lead programmer in the continuing development of the Garden's new specimen database/collections management system (CASSIA) in an Oracle client/server environment (www.nybg.org/bsci/cass/index.html). Participate in the administration of the Garden's web site (www.nybg.org) and other facets of institutional computerization. Bachelor's degree. Experience with the development and support of a large-scale database system, including experience programming in an Oracle environment. Oracle Developer 2000 experience, web site administration and/or web material preparation desirable. Send resume and/or requests for more information to: Ms. Lourdes Reyes, Human Resources Department, New York Botanical Garden, Bronx, NY, 10485, USA; lreyes@nybg.org. The New York Botanical Garden is an Affirmative Action/Equal Opportunity Employer.

Director of Collections, Paleontological Research Institution. The Paleontological Research Institution (PRI) is seeking an energetic and experienced individual to head its Collections Department. PRI's collections are among the nation's largest and are now housed in new facilities. Responsibilities include collections management, supervision of full and part time staff, volunteers, and student workers, cultivation of donors, working with amateur collectors, consulting on exhibit content, and strategic planning for the department. Advanced degree in relevant discipline and at least 3-5 years collections experience required. Experience with Cenozoic of the western hemisphere and/or Paleozoic of the northeast US a plus. PRI is seeking a dynamic, dedicated, self-motivated person to join a small but fast-moving organization during a time of rapid institutional growth. More information on PRI can be found at www.enlib.cornell.edu/pri. Send applications by April 1, 1999 to: Director, Paleontological Research Institution, 1259 Trumansburg Road, Ithaca, NY 14850, USA.

Events Coordinator, Peabody Museum of Natural History, Yale University. Under the direction of the Director of the Museum and reporting to the Board of Curators, the Events Coordinator determines and sets the overall calendar of events relevant to the subject areas of the Museum, natural history and anthropology, and in recognition of the Museum's goal to serve and attract a broad and diverse audience. The successful candidate will collaborate with Museum staff and pertinent outside resources to: implement fundraising events; prepare publications and marketing materials; oversee the preparation support materials for individual events, including written, oral and multimedia presentations. The Events Coordinator conducts the day-to-day functions of the events program, including preparation of annual schedule, presentation of plans for staff allocation, and the development of the annual events budget; supervises

and coordinates staff and other relevant personnel within the Museum, the University and the larger community as necessary to implement Museum events; serves as liaison of the Museum to individual University and community events, committees and other organizations as needed. Bachelor's Degree in related scientific field required (Master's Degree preferred); 3 years experience in program planning, events coordination, educational programs or public relations, or equivalent combination of education and experience. Museum experience preferred. Attendance at weekend/evening events required. Full time position, 37.5 hours/week. Yale offers a competitive salary and liberal benefits. Qualified applicants are invited to send a letter of application, resume and references to: Ms. D. Cable, Yale University Department of Human Resources, 155 Whitney Avenue, P. O. Box 208256, New Haven, CT 06520-8256. Yale University is an affirmative action/equal opportunity employer.





SPNHC Newsletter
Invertebrate Paleontology
Peabody Museum of Natural History
Yale University
170 Whitney Ave., P.O. Box 208118
New Haven, Connecticut 06520-8118

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1999 ♦ **SOCIETY FOR THE PRESERVATION OF NATURAL HISTORY COLLECTIONS** ♦ **2000**

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