

www.spnhc.org

President,
Suzanne B. McLaren
President-Elect,
Robert H. Huxley
Past President,
Sally Y. Shelton
Treasurer,
Lisa F. Palmer
Secretary,
Elana Benamy
Managing Editor,
Janet B. Waddington

INSIDE...

Off-Site Program ...	1
Presidents Panel	1
Presidential Profile ..	2
Treasurer's Report ..	2
Committee Reports ..	3
SPNHC 2000	7
Announcements ...	12
Publications	14
NCPTT	16
Publications	17
Positions	18
Calendar	19
..... and more!	

ISSN 1071-2887

SPNHC NEWSLETTER

*Society for the Preservation
of Natural History Collections*

*August 2000
Volume 14, Number 2*

INSTITUTIONAL SHARING OF COLLECTIONS: The OFF-SITE ENHANCEMENT PROGRAM

DAVID G. FURTH

*Department of Entomology, National Museum of Natural History
Smithsonian Institution, Washington, DC 20560-0165 USA*

The combined Department of Entomology (Smithsonian Institution and Systematic Entomology Laboratory, USDA) developed the Off-site Enhancement Program (OEP) at the National Museum of Natural History (NMNH). The NMNH is part of the Smithsonian Institution (SI), which has a fiduciary responsibility for the continued oversight of its collections and for the maintenance and care of these collections in the National Trust.

This program is essentially a mutually beneficial long-term loan of SI collections to a research specialist (or group of researchers) at another institution where it will be physically and scientifically improved, but is a formal agreement between institutions. Because institutions rarely have the in-house expertise to adequately maintain the incredible diversity of biological taxa, the OEP allows institutions to share expertise. In reality, any loan is between institutions, although they are often assumed to be between an institution and an individual. Traditionally, most loans are used by a borrower for research and, other than some identification, are returned years later in more or less the same condition in which they were loaned originally.

The Off-site Enhancement Program (OEP) follows several simple principles: the specimens loaned need to be clearly beneficial to the research of the borrower (i.e., the Researcher representing the borrowing institution); the loaned material will be physically and scientifically improved; the loan must be beneficial to the scientific community; and no NMNH specialist exists so that the specimens would have a low priority for improvement. An OEP will only be made to an institution where there is a world-recognized specialist (or group of specialists) generally in a group for which relatively few experts exist. The OEP is formalized as a Memorandum of Understanding (MOU) between the institutions, reviewed by their respective legal counsel and signed by the institutional directors or heads.

The OEP is somewhat of an institutional sharing of resources and collaboration. The off-site contact person (Researcher) in practice serves as an SI curator and, because of his extensive contacts in the scientific community, is able to initiate short-term loans of SI material and appraises SI staff of these, as well as of any acquisitions to the SI collection. It allows an expert to centralize large collections and thus more efficiently conduct his research. OEP can also be used by the Researcher to seek additional support, either from his institution or externally [see Association of Systematics Collections Newsletter October 1999, p. 1,6].

continued on page 8

After the Millennium: A Panel Discussion by SPNHC Presidents... Past, Present and Future

IRIS A. HARDY

*National Marine Geoscience Collections,
Geological Survey of Canada, Atlantic, P.O.
Box 1006, Dartmouth, NS, B2Y 4A2, Canada*

At the Halifax SPNHC 2000 meeting we were very fortunate to have had seven of the nine past, present and future SPNHC presidents available to present their views on several topics directly related to the evolution of our society since its inception 15 years ago. Below is a brief overview of their presentations and topics. Special thanks to Carolyn Rose for moderating this session.

Jerry Fitzgerald discussed changing roles for SPNHC. He feels that this is in direct relation to our present society (public). Before directions are set, we need to know who our clients are, what

continued on page 10

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, PO Box 208118, New Haven, CT 06520-8118, USA. Changes of address should be directed to Lisa Palmer, Treasurer, PO 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., PO 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 February 7, 2001, August 8, 2001 and February 6, 2002.

Presidential Profile

SUZANNE B. McLAREN

*Section of Mammals, Carnegie Museum of Natural History,
5800 Baum Blvd., Pittsburgh PA 15206-3706, USA*

The 15th Annual SPNHC Meeting in Halifax, Nova Scotia certainly lived up to its advanced billing. Co-chairs, Iris Hardy and Alex Wilson and their energetic colleagues put together a superb program. From the excellent technical sessions and impressive logistics involved in making it possible to observe as many as 10% of the world's remaining North Atlantic Right Whales, to the carefully planned Permits Workshop and well-timed respite of a Harbor cruise, it was a very well run meeting! The facilities and friendliness of staff members at every venue substantiated the Haligonians' reputation for hospitality. Iris Hardy did double duty as Co-chair of the Local Committee and as Chair of the Education and Training Committee, making the outstanding organization of this year's meeting even more remarkable. It is my pleasure to extend a heartfelt thank you to everyone on the Local Committee and to the sponsors for an exceptional meeting. I look forward to seeing you in San Francisco next June. Can anyone resist an opportunity to visit "The City," its legendary restaurants, and the California Academy of Science?

It is perhaps no more obvious than when one moves into the office of the President, that our Committees are the heart and soul of the organization. I'd like to make a special appeal to all members who might have an interest in serving on a committee, to please contact the appropriate Committee Chair or me. I hope you will not be shy if you are new to the Society or have not been actively involved in the past. From a personal standpoint, I discovered some years ago that participation in committee work made me feel more a part of the organization. I got to know more people, extended my network of colleagues beyond my own discipline, and grew professionally because of committee involvement.

We have been fortunate to have many dedicated SPNHC members serving on, and chairing, committees over the past fifteen year. At this year's meeting, we welcomed several new Committee Chairs and gave special recognition to outgoing Chairs. Richard Rabeler has become the new Chair

of the Election Committee, replacing Judith Price who may hold the record for longevity of service to any committee. I hope you will make Rich's work and that of the rest of his Committee more interesting by actively participating in the nomination process before the end of September. We also welcomed Jude Southward and Lisa Kronthal as the new Co-chairs of the Conservation Committee. Diana Dicus has passed the mantle of leadership for this very active committee. Ann Pinzl announced that she would be stepping down as Co-chair of

continued on page 9



Treasurer's Report

LISA F. PALMER

*Division of Fishes, National Museum of
Natural History, Smithsonian Institution,
Washington, DC 20560 USA*

In 1999, the Society's total net assets increased to \$184,342 from a total of \$179,485 in 1998. Income was generated from two main sources: membership dues and publication sales. Membership dues were received from 668 members composed of 118 library subscribers, and 550 individuals and associates. Sales of the Storage books were good, bringing in approximately \$11,200. Strong sales of \$7,500 heralded our newest publication, *Managing the Modern Herbarium* (MMH).

Substantial donations in the amount of \$4,500 were used to offset production costs of MMH. Other restricted and unrestricted donations totaled \$475, an increase from \$271 in 1998. SPNHC received \$3,000 in repayment of the 1999 local committee loan.

Major 1999 publication expenses for the Society were \$16,988 to publish MMH, \$4,621 for *Collection Forum*, and \$3,856 for two issues of *SPNHC Newsletter*. Other substantial Society expenses include: \$1,000 for the Faber award, \$2,063 for membership

continued on page 9

Award Nominations

The Awards and Recognition Committee is accepting nominations for the SPNHC Award and the President's Award for 2001. These awards are given only when an appropriate candidate is identified, and neither award may have more than one recipient per year. Final decisions are based on documentary information and approval from the SPNHC Council. The Committee is also accepting nominations for Special Services Awards.

The SPNHC Award recognizes an individual's life-time achievements that have served as a significant contribution to the objectives of the Society. Nominees for the SPNHC Award may be members, previous members or non-members of the Society.

The President's Award is given in recognition of a SPNHC member's distinguished service to the development and continued success of SPNHC. This would normally involve superior, prolonged service to appointed offices, committees, and/or ongoing activities of SPNHC. Nominees must be current or previous members of SPNHC. Nominations for the SPNHC and President's Awards must be submitted by 30 November 2000.

Special Service Awards recognize individuals for any special effort leading to the success of an important event or activity of the Society. The award is essentially a certificate of appreciation. The nomination process for this award is less formal, and names of nominees may be submitted in writing or verbally at any time before the second meeting of Council at the 2001 Annual Meeting.

Nominations should include the name of the nominee, name of the award proposed, a description of important contributions of the nominee, and other information supporting consideration of the nominee for the award in question. Nominations and related questions should be directed to Steven Krauth, Chair of the Awards and Recognition Committee, Department of Entomology, University of Wisconsin, Madison, WI., 53706-1598. Phone (608) 262-0056; Fax (608) 262-3322; email krauth@entomology.wisc.edu.

*Steven Krauth, Chair
University of Wisconsin*

Faber Award Proposals

The Awards and Recognition Committee is requesting proposals for the Faber Award, a cash grant of up to \$1000, to support the best project addressing issues on the management, care, conservation, or use of natural history collections. Applicants for the Faber Award must be SPNHC members in good standing for at least one year prior to the award date.

The successful applicant will be expected to 1) present a final or interim report at the 2002 Annual Meeting of the Society and 2) publish the results, with the understanding that the manuscript will be sent first to the SPNHC Publications Committee for first right of refusal.

Each applicant may submit only one proposal per funding period.

The cover sheet should include a project title, name(s) of project personnel (including title, address, and phone/fax numbers), and a single-line spaced 100-word abstract describing the proposed project. The proposal text should include a statement of purpose, project plan (e.g., participants, methods, materials, schedule of completion, etc.), and proposed use of funds. The text should have one-inch margins, 10-12 characters per inch, and double-line spacing. The application, including cover page, should not exceed 10 pages. Curriculum vita of the principal investigator and letters of commitment may be single-line spaced and attached as an appendix.

Proposals and questions regarding proposals should be directed to Steven Krauth, Chair of the Awards and Recognition Committee. Proposals must be postmarked before 30 November 2000. [see address above].



*Steven Krauth, Chair
University of Wisconsin*

Conservation Committee Update

The attendance at the conservation committee meeting in Halifax, Nova Scotia hit an all-time high with thirty attendees, half of whom were committee members and the others interested general SPNHC members. The meeting began with the introduction of the new committee co-chairs, Lisa Kronthal, American Museum of Natural History and Jude Southward, Denver Museum of Natural History. We give great thanks to Diana Dicus, the out-going Chair of the Committee for all the hard work and time she has dedicated to the committee. Please feel free to contact either Lisa or Jude with any idea or concerns you may have related to the conservation committee.

The meeting agenda allowed subcommittee chairs and project leaders to give summaries of the years progress and prompted lively discussions on various fronts. David Von Endt, Chair, Research Subcommittee, began by summarizing some of the research projects currently underway including the Research survey and the Residual Pesticide project. Paisley Cato, the Principal Investigator for the Research survey has completed the membership survey, "Priorities for Natural History Collections Conservation Research" which was funded by the National Center for Preservation Technology and Training (NCPTT). David, Paisley and Diana Dicus presented a poster at the annual meeting summarizing the process and the results of the Research survey and encouraged the Special Interest Groups to discuss the broad priorities with respect to the specific needs of each discipline. A manuscript for publication in Collection Forum is in final edit and review and will be available soon.

We encourage members to consider developing research projects that complement their disciplinary needs and to use the report and the comments to support their arguments when applying for funding from agencies like NCPTT.

Cathy Hawks gave an update on a second grant proposal to the NCPTT for a targeted symposium on legal, ethical, analytical, epidemiological, and cultural sensitivity issues associated with repatriation of museum objects contaminated with pesticide residues.

The proceedings from the symposium will be published as a part of the grant as a limited number of hard copies with web access. The committee membership stressed the importance of publishing the proceedings in journal form as well in order to reach a larger audience, especially since these issues could have wide ranging impacts on natural science collections. Additional funding for facilitators was needed and was requested by Lisa Palmer at the Executive Council meeting. SPNHC will show its support for this project by covering a portion of this cost.

Paula Work continues to collect citations for the column in the SPNHC newsletter. As the Chair of the Citations sub-committee, she has been overloaded with the review process and needs volunteers to participate. If you're interested in participating on this committee or know of journals that aren't covered in the column but should be, contact Paula.

The Canadian resource display unit (RDU) is maintained by Janet Waddington and was set up in Halifax, making this meeting its second venue. The American version, maintained by Cindy Ramotnik, has traveled to one venue this year. The membership agreed on the need to advocate the RDU on the SPNHC web-site and also agreed that the complete list of materials and suppliers should be included as well. As these and other projects get underway, more volunteers will be needed to support this subcommittee. Contact Janet or Cindy if you're interested in participating in the Resources subcommittee or if you would like to book the display. Check out the Resources Subcommittee link on the SPNHC website.

Gene Hess and Rob Waller gave an update on the Fluids Assessment sub-committee. Currently, a manuscript describing Fluids Assessment work accomplished with John Simmons in Kansas has been completed and submitted to Collection Forum for review. Arnold Suzumoto's article on Jars and Lids is still a work in progress and will hopefully be published in an upcoming Collection Forum. Rob and Gene agreed that a new focus for the subcommittee needs to be developed and goals redefined.

Lisa Kronthal, Co-Chair
American Museum of Natural History

Jude Southward, Co-Chair
Denver Museum of Nature & Science



Documentation Committee

The meeting of the Documentation Committee in Halifax was well attended, with about 25 people present. NHCOLL-L, the natural history collections listserv, has increased its subscription by about 15 percent and has had about 300 messages posted to the list over the past year. Sally Shelton announced that Permit-L, a cross-disciplinary listserv, hosted by the Smithsonian Institution, intended to facilitate discussion and information flow on all issues related to biological collecting, permits, access, and import/export transactions will be coming on line shortly (see page 12). Over the past year Tim White and Holly McEntee have added a number of links to the Documentation Committee's page on the SPNHC website that deal with computerization, guidelines and legal issues and Jackie

Zak is looking into developing an FAQ section for bibliographic references to frequently asked questions on NHCOLL-L and other listserves.

The Committee is looking into the possibility of developing a series of guidelines and best practices publications for specialty collections. Topics of interest include molecular and tissue collections, digital imaging and living collections. To get us off in the right direction, Paisley Cato is preparing an essay for the next newsletter contrasting guidelines and best practices. Next year at SPNHC 2001, the committee will host a technical session on computerization and digital imaging techniques.



Tim White, Chair
Yale Peabody Museum

Elections Committee

Three members met at 2 PM in an appropriately small room to discuss the upcoming election and possible changes that, in our opinion, may help increase the election turnout. SPNHC is our organization and the elections should reflect the views of a majority of members. The annual call for nominations was noted and presented at the AGM. As you will see elsewhere in this issue, two Members-at-Large will be elected this year. Nominations deadline is 30 September. Most of our meeting was devoted to discussing how we might implement voting via the SPNHC Web Page. It was suggested both as a way to cut costs, but more importantly, to make it more convenient for members to vote. The Committee approached Council with the idea and Council approved the idea that Elections Committee to study the idea and report back by 31 January.

Richard Rabeler, Chair
University of Michigan Herbarium

Call for Nominations

The Elections Committee of the Society for the Preservation of Natural History Collections announces the closing date for nominations will be 30 September 2000. Nominations are encouraged for two Members-at-Large to take office in June 2001. Our society has gained great strength from the dedication of our council members and the involvement of our membership in choosing people who serve us so well. Beginning this year, the Members-at-Large will work closely with both Council and the Committee Chairs to help coordinate the implementation of the recently adopted "Five Year Goals and Objectives".

To submit a nomination (nominations must be in writing) or for information on the election process please contact the committee chair Richard Rabeler, University of Michigan Herbarium, 1205 N University Ave., Ann Arbor, MI 48109-1057; rabeler@umich.edu (email); (734) 647-2811 (Voice); (734) 647-5719 (Fax).



Richard Rabeler, Chair
University of Michigan Herbarium

Presidents Award

The Presidents Award is given in recognition for distinguished service in the development and continued success of the Society.

Presentation to Julie Golden.—At the beginning of SPNHC's annual meeting this year in Halifax, our outgoing President Sally Shelton, outlined the difficulty our membership has faced in achieving recognition for collections management as a valid and desirable profession. At the forefront of this fight has been this year's recipient of the societies President's award, Julia Golden from the University of Iowa. As a Charter member of SPNHC Julie has assumed a variety of roles for the organization. By the time I was introduced to Julie in the late 1980s she was serving as the first Chair of the Publicity and Liaison Committee (1987-1990), had begun serving on the Publications Committee (1988-1996), had taken over as the SPNHC Newsletter Editor and was serving a term as Member-at-Large (concluding in 1990).

During this period I can remember long hours spent with Julie in the University of Iowa's paleontological repository as we folded, stamped and sorted SPNHC newsletters, flyers, and leaflets for mailing. The list of Julie's accomplishments and service continues; including her work on various committees as well as being the first recipient of the Faber Award, for designing a research project related to collections care. Julie's interest and enthusiasm for our societies mission has clearly had a positive effect on the success of the organization and I am pleased to have the opportunity to acknowledge her dedication and abilities. Her sustained enthusiasm and advocacy for collections care is a lesson for us all.

*Paula T. Work
Cincinnati Museum Center*

Response by Julia Golden.— I was greatly disappointed that I was unable to attend the meeting in Halifax this year and even more so when Sally called me with the news that you had honored me with the President's Award. Thank you so very much. I feel quite undeserving of this award but pleased that you feel this way. I am very sincere when I say that this is without a doubt the most rewarding organization that I have ever belonged to. I have learned so many practical things and gained so much professional experience and confidence, and it is all due to you. From my very first meeting in Toronto, it has been exciting and fun. I enjoyed being a Council member and continue to enjoy being active on several committees. I can say I don't miss the bookkeeping part of being Treasurer but recording each member's name in the ledger makes me feel like I know each of you. I look forward to continuing to work with you and I hope to personally thank each of you in San Francisco next year. Again, thank you very much.

*Julia Golden
University of Iowa*

Membership Directory

Enclosed with this issue of the Newsletter is your 2000 Membership Directory. The Membership Directory is published in even years to promote one of SPNHC's principal goals: "to provide for and maintain an international association of persons who study and care for natural history collections."

The Directory includes all additions and corrections through August 9, 2000. On that date there were 600 members in 21 countries including the Canadian Provinces and all 50 of the United States plus the District of Columbia, and territory of Puerto Rico. Some members have chosen to exclude their names from the Membership Directory.

Commercial use of this copyrighted Directory is expressly forbidden. The membership list is rented for a one-time for approved purposes. For address changes or an application for one-time use of the Membership Directory, send your request with a sample of the proposed mailing piece to Lisa F. Palmer, Treasurer, Division of Fishes, National Museum of Natural History, Washington, DC 20560, (212) 786-2426 (voice); 202 357 2986 (fax); palmer.lisa@nrmnh.si.edu (email).

Life Membership

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 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) 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.

Lisa F. Palmer, Treasurer

Long-Range Planning Committee

A task that began two years ago was completed at the Annual General Meeting (AGM) at Halifax. But this task, the development of a new Five Year Plan beginning in 2000, is only the start; it is in these next five years, the implementation phase, that the work behind the Plan will bear fruit.

For those of you who could not be in Halifax, here is a brief recap of what occurred and what resulted. The year prior to the Halifax meeting was spent by the Sessional Committee on Long Range Planning in seeking feedback and suggestions from the SPNHC membership. All standing committee members were approached, and the Newsletter, NHCOLL, and SPNHC's web site were used to contact the general membership.

A day long retreat, composed of the Sessional Committee and President Sally Shelton, was held in Halifax prior to the conference. We worked through the successes and the shortcomings of the previous Five Year Plan, and reminded ourselves of the original intentions for creating the Society. We also looked at SPNHC's current and potential role in relation to other organizations and within the international natural history realm. We then looked at all the feedback we received during the previous year and used them to develop themes which were organized into a new set of goals and objectives for the Society. Except for the template and excellence of the previous Plan, the feedback from the membership was THE most important tool in the successful completion of the new Plan.

We concluded the retreat by: 1) maintaining the previous Five Year Plan's Mission Statement, and Strategic Goals and Priorities, and 2) creating a new list of six goals, each with their own objectives and each supportable in the Society's current infrastructure.

The retreat participants met briefly again, this time also with incoming President Sue McLaren, just prior to the proposed Plan's first presentation at First Council Meeting. This final Committee meeting was held to determine who would coordinate the Plan's implementation and, in a preliminary way, how. We were all acutely aware that the best Plan in the world would be as nothing if not carried out. It was decided that Members-at-Large would continue in pivotal roles as they developed action steps in consultation with the Standing Committee Chairs, monitored the results, and kept the membership informed of progress.

The new Plan was presented and approved pending final approval at the AGM. Its presentation at the AGM focused on the new goals and objectives which were presented in detail. No major comment ensued and the Plan was approved by a vote of the membership present. (The new Five Year Plan will be available on SPNHC's web site for everyone to view.)

It was at the close of the AGM that the Sessional Committee on Long Range Planning and my tenure as its Chair ended. It was an experience that has brought many rewards and not a little bit of work. One of the greatest rewards has been being in touch with so many members (many who cannot attend the annual meetings) in a common desire to make SPNHC a society that truly promotes best

practice in natural history collections' care and tries to meet the professional needs of the people who do this important work. Another has been my participation in the Society's workings where I have gained a greater knowledge of and appreciation for SPNHC and the many people who helped create it and now continue to make it a unique and dynamic organization.

*Linda L. Thomas, Chair
Sessional Committee on Long Range Planning*

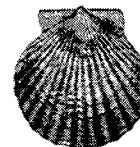
Publications Committee

A dedicated group of nine people, some of whom had been on a field trip until 2:00 am the night before, braved an 8:30 am start for the Publications Committee meeting. Collection Forum is your journal. Please support it. We hope to produce at least Volume 15(1&2) this year. SPNHC members are urged to submit the results of their studies to Collection Forum for publication. The Publications Committee is dedicated to seeing that manuscripts receive prompt attention and the review process is carried out in a timely manner. Please forward ideas for book reviews to the Managing Editor until we have a new Book Review Editor.

If you have not already done so, check out the SPNHC web page at <http://www.spnhc.org>. Jon Greggs is doing a great job of keeping it current with lots of SPNHC news and useful links. Additions to the page are made in consultation with the Managing Editor and President. Comments on the usefulness of this site are also welcomed by the Managing Editor and the Webmaster.

SPNHC publications continue to sell well. The Storage volume "Ideas and Practical Solutions" is in preparation for reprinting and will be announced on NHCOLL-L and the SPNHC Website when it is available again. See the website also for ordering information for Managing the Modern Herbarium. Council has approved going ahead with the Spanish translation of the two storage books, subject to funding availability and satisfactory arrangements for distribution. John Simmons has agreed to manage this project. A Glossary of Terms Used in Natural History Museums (working title) is nearing production. The committee is investigating options for more efficient ways to handle sales and distribution of SPNHC special publications.

We are still looking for an Associate Editor for SPNHC Leaflets (single-topic short papers on various technical aspects of collections care, management, preservation, and conservation, distributed with the SPNHC Newsletter), as well as manuscripts for this series. Please contact the Managing Editor to volunteer for this position or to submit a manuscript. If you are interested in reviewing manuscripts for Collection Forum, let me know what subjects you are familiar with.



*Janet Waddington, Chair
Royal Ontario Museum*

SPNHC 2000 - Maritime Natural History July 8-14, 2000, Halifax, Nova Scotia

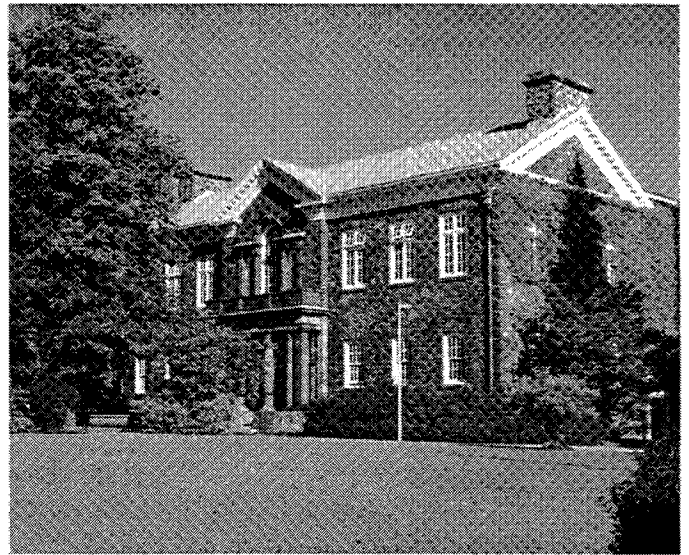
STEVEN J. KRAUTH

Insect Research Collection, 346 Russell Laboratories,
Department of Entomology, 1630 Linden Drive,
University of Wisconsin, Madison, WI 53706

The 15th annual meeting of SPNHC was jointly hosted by The Nova Scotia Museum of Natural History and Geological Survey of Canada (Atlantic) Nova Scotia, CANADA and coordinated by co-chairs Iris Hardy and Alex Wilson. This was the first time SPNHC had a meeting in the Maritime Provinces and the general theme for the meeting was Maritime Natural History.

The local committee, composed of dedicated volunteers and staff from Geological Survey of Canada, the Nova Scotia Museum of Natural History, Acadia University and Dalhousie University assembled a vibrant meeting that set a benchmark for the number and variety of venues in a single meeting. Conference activities flowed seamlessly from the Biology Earth Sciences Building at Dalhousie University to the Museum of Nova Scotia and on to the Bedford Institute of Oceanography. The Halifax meeting had 115 registered participants from Bermuda, Canada, Cuba, the Netherlands, the United Kingdom and the United States. The 22 oral presentations and 15 posters were products of researchers at 21 institutions. The Education and Training Committee organized a Permits Workshop. The exhibitor showcase and vendor support was also excellent, contributing to the success of the meeting. University Products has been a long time supporter of SPNHC and provided funds this year to make the Marvelous Halifax Mystery Tours possible. The Mystery Tours provided insight into the Natural History and Cultural History of Halifax that conference participants would have missed.

The three pre-conference trips *Whale Watching*, Joggins and Parrsboro Geology Tour and the Nova Scotia South Shore Tour were successfully carried off by the local committee. During a day of pre-conference committee meetings, the staff at the Nova Scotia Museum was most helpful in arranging work time in the collec-



Dalhousie University, one of the venues of SPNHC 2000!

tions for SPNHC participants with ongoing studies. Later in the day, there were tours of the NSM collections capped by the ice-breaker rounding out a memorable day.

The morning of the first day keynote speaker Steve Blasco provided the audience with a mini sub tour of the imposing wrecks Titanic and her final resting-place. The photographic tour of the wreck was juxtaposed to the original TITANIC, the largest movable object at the time it was built. The afternoon paper session was organized around the theme building a Better Environment. There were prearranged Special Interest Group Meetings (SIG's) in Geology, Zoology, Botany, Anthropology, Conservation and Paleontology to provide feedback to the survey of collection priorities. Those of us in the Zoology SIG absconded from the program and had an interesting exchange on requests for data under the Freedom of Information Act among other things. The second day featured a families activities day and a technical session consisting of three paper sessions (a. cast in stone, b. a moving experience and c. learning, knowledge and Collections) and a president's panel discussion - After the Millennium.

The morning of day three featured paper session five: *Humans and Nature* and the ever-popular General Business Meeting with committee reports and awards. My friends, this year saw turnover in several committees' chairs and a general call to the membership to be more proactive in the business of the society by serving on committee(s). The afternoon session was organized around lunch and paper session six: Marine Heritage at the Bedford Institute of Oceanography. The evening activities included a two hour Harbor Cruise followed by dinner at Murphy's on the Water - a good time was had by everyone but the lobsters.

On the fourth day there was a workshop held at the NSM. The Education and Training Committee organized a Permits Workshop - "Across Borders" folding together issues in agricultural imports, health and safety, cultural property and CITES (import, export and collecting permits). Thanks go to our cast of maritime hosts including Alex Wilson who said, "it is our privilege to host SPNHC2000" and on behalf of a grateful membership - *Thank You Alex and Iris!*



Iris Hardy, Co-Chair of SPNHC 2000, explaining core preparation and storage at the Bedford Institute.

Offsite enhancement program....

continued from page 1

There are some differences in the OEP MOU depending on the specific situation, but generally the following items are included. The NMNH will lend the "Collection", including types, and associated data for a long period (5-10 years) to another institution, subject to renewal. A verified current NMNH collection profile and a species list with an exact count of the specimens will be provided by NMNH at the time of the shipment. The NMNH coordinates and determines the packing and shipping methods and will arrange and provide insurance for the Collection while in transit to the borrower. The Collection shall be transported to the borrower by either NMNH or the borrower's staff (see "upon termination" paragraph below). Borrower will provide a condition report for the Collection to NMNH within thirty days of its arrival.

The borrower will provide proper care and maintenance of the Collection and associated data throughout the term of this Agreement and will follow the NMNH Department of Entomology Collections Management Policy. The Collection will be maintained separately from the regular collection of the borrower or his institution. It is understood and agreed that the Collection will be curated, enhanced and maintained by the off-site curator (the Researcher) and staff, during the Agreement. The borrower provides adequate storage and security for the Collection, which shall be subject to review and acceptance of the NMNH. The NMNH will make periodic site visits at reasonable intervals to inspect the status of the Collection. Site visits will be scheduled in advance with the borrower.

The Researcher will provide an annual report each January to the Chair of the NMNH department and to the Researcher's director, documenting Collection acquisitions, loans, improvements, and damage or losses and an updated collection profile based on curatorial standards of the NMNH. It is anticipated that additional specimens (e.g., duplicates, will be acquired by the Researcher through field research) would appropriately be added to the Collection. Accessions into the Collection shall be subject to the approval of the NMNH. As part of the annual report, a written report will be made to NMNH describing specimens recommended for accession into the Collection. NMNH will prepare accession papers for specimens pursuant to this process. Subsequently accessioned specimens will be recorded and treated as part of the Collection and subject to terms of this Agreement.

All acquisitions at NMNH after the shipment of the Collection will be sent to the borrower after processing and accessioning by NMNH. Such new accessions will be recorded and treated as part of the Collection and subject to terms of this Agreement. NMNH will supply the borrower with sufficient drawers, unit trays, and cabinets to properly house any subsequent additions to the Collection. The borrower will process all loan transactions against the Collection during the term of this Agreement. Outgoing loans are subject to the approval of the Chair of the NMNH department, or his designate. Copies of all documents concerning loan transactions will be submitted to NMNH at the time of the transaction. The following statement will be printed on invoices of all outgoing loans processed by the borrower:

"These specimens are the property of the National Museum of Natural History (NMNH), Smithsonian Institution. The borrower is lending these specimens with the permission of NMNH."

The borrower will be responsible for receiving and canceling outstanding loans made while the Collection is located off-site. At the request of the borrower, NMNH will supply the borrower with copies of outstanding legacy loan documentation and a draft of an appropriate loan recovery form. The borrower will notify NMNH of any problems encountered with respect to outstanding loans. The borrower will give NMNH written notice within ten days of discovery of any damage or loss to the Collection.

The NMNH and the borrower will advertise the terms of this Agreement to the scientific community through notices in appropriate publications and electronic information sources. The NMNH Contact Person will be advertised as the Collections Manager. Should NMNH find that the Collection and/or associated data are not being adequately maintained, made available to the research community, or enhanced by this Agreement, then NMNH may terminate this Agreement upon giving thirty days written notice. Either party has the option of terminating this Agreement for reasons other than collection management upon giving one year written notice. Continued long-term loan of portions of the Collection to the borrower can be negotiated. Unless otherwise instructed by NMNH, the Collection will be returned to NMNH no later than one year after the termination of the Agreement.

Upon termination, the borrower will return the Collection and all storage equipment and supplies belonging to NMNH, to the NMNH. Costs associated with the return shipment of the Collection to NMNH will be shared in accordance with a separate letter agreement (reciprocal of the second paragraph above). A condition report, including an updated inventory and collection profile, will be provided to NMNH prior to shipment of the Collection and a condition report will be provided by NMNH upon receipt of the return shipment. Upon termination, the borrower may retain a synoptic collection of specimens from the Collection with approval of NMNH as required for an ongoing program in systematic entomology, exclusive of unique and type specimens. The borrower will give prompt written notice to NMNH if the Researcher ceases to be an active member of his institution's staff. The terms of this Agreement may not be modified except by written agreement signed by both parties.

NMNH OEP Agreements

1990: Bernice P. Bishop Museum (Honolulu, Hawaii) - Researcher: Neil L. Evenhuis Bombyliidae (Diptera) (Bee Flies)

1990: Georgia Southern University (Statesboro, GA) - Researchers: James E. Keirans and Lance A. Durden - Ixodida (ticks)

1997: Florida Department of Agriculture and Consumer Services, Florida State Collection of Arthropods (Gainesville, FL) - Researchers: W. Calvin Welbourn and Harold A. Denmark - Phytoseiidae (Acari) (Phytoseid Mites)

1997: American Museum of Natural History (New York, NY) - Researcher: James S. Miller - Dioptrinae (Lepidoptera: Notodontidae)

1997: University of Hawaii at Manoa (Honolulu, HI) - Researcher: M. Lee Goff - Trombiculidae and Leeuwenhoekidae (Acari) (Chigger Mites)

1999: University of Nebraska State Museum (Lincoln, NE) - Researcher: Brett C. Ratcliffe - Pleurostict Scarabaeidae (Coleoptera) (Scarab Beetles)

CONCLUSION

OEPs are an interesting way to improve your collection and increase the usage of selected holdings. Considerable value can be added to a collection by having specialists working with your research material but their needs to be clear guidelines and an understanding about the management, care and usage of the material when it is "offsite". Above we have attempted to outline of requirements for undertaking of this activity. For further information of the OEU, contact David Furth at the National Museum of Natural History at furth.david@nmnh.si.edu.

David Furth has been the Collection Manager in the Department of Entomology at the National Museum of Natural History for the past six years. Prior to his move to Washington, Dave held similar positions in the natural history museums at Harvard University and Yale University. Dave has traveled extensively and collected worldwide. His speciality is flea beetles.

Presidents Profile... continued from page 2

the Membership Committee to devote more time to supporting the 2001 Local Committee. Ann will concentrate on obtaining sponsors but will continue as a member of the Membership Committee. Following five years of very productive service as Chair or Co-Chair of the Education & Training Committee, Iris Hardy has decided to turn over the helm. This Committee plays a crucial role in developing workshops for our annual meetings. We are currently looking for a new Chair for that Committee. Please contact Iris or me if you have suggestions for leadership of E & T. I'm also very pleased to congratulate Julia Golden who received the President's Award for her long and varied service to SPNHC.

Among the many excellent presentations during the technical sessions, there are two about which I'd like to make special note. Paisley Cato, Diana Dicus and David Von Endt presented a poster detailing the responses to the NCPTT-funded survey that was conducted last year via mail contact with 548 SPNHC members regarding 'Priorities for Natural History Collections Conservation Research.' This presentation was followed up by a request for further input during the Special Interest Group sessions at this year's meeting. The results of this work will be published in the next issue of Collection Forum.

In 1999, Texas A & M University Graduate Student Jennifer Pestovic applied for and received the SPNHC Faber Award. This year, Jennifer discussed preliminary results of her study in an oral presentation titled, "University Natural history collections as Resources for Education: A Progress Report of the 1999 Faber Award." Jennifer's presentation sealed my decision to appoint a Sessional Committee on Student Participation. During the first year, I'd like to see the

committee develop ideas about how to encourage greater student participation in SPNHC membership, annual meetings and publications. After discussions with Council at the 2001 meetings, this committee could begin to act on some of the ideas developed in the first year. Membership of this committee is still in the planning stages but should be established by the end of September. Please feel free to contact me if you have suggestions for this project.

Perhaps the most far-reaching committee work to come out of this year's meeting was that of the Sessional Committee for Long-Range Planning. Under the leadership of Linda Thomas, this committee identified a set of six goals for the Society to strive to attain. Activities that help fulfill these goals fit neatly into the work that our committees already conduct. The plan also recognizes that the work of many committees overlaps. Due to the recognized overlap, we have devised a plan to allow each Member-at-Large to take ownership of one of the six goals and work closely with appropriate committees to assist in implementation of their common goal. Implementation of the new Long-Range Plan allows a more integral role for our Members-at-Large, gives the committees tangible goals upon which to focus and underscores the essential role the committees play for SPNHC. You can view the list of goals, supporting activities, and the name of the Member-at-Large that is linked with each goal on the SPNHC website. I'd like to encourage every member to look at the list of goals and activities. You are welcome to contact the Members-at-Large if you have suggestions about any of the activities listed. You'll see that some points lend themselves more easily to concrete, new ideas. For example, Bill Gannon asked that I make a special appeal to anyone who has suggestions about future workshop presentations or would like to be involved in presenting a workshop. Just as every member was invited to join in the planning process, you can still have an impact on where SPNHC is going. Don't hold back!

Treasurer's Report... continued from page 2

brochures, \$3,661 for postage, contractual support, and supplies for the Treasurer's Office, \$2,960 for insurance, and \$831 in bank fees. SPNHC spent \$1,545 for the 1998 financial review, tax preparation and filing. SPNHC made a loan of \$3,000 to the local committee for the Halifax annual meeting.

Other 1999 financial activities operated smoothly. The terms of the \$9,950 US National Park Service grant were met. The grant project reviewed priorities for research in the conservation of natural history specimens. Also in 1999, SPNHC investment accounts were moved to Charles Schwab Brokerage Accounts upon recommendation of the Finance Committee

During the last months of the 1999, SPNHC submitted a \$22,172 proposal to the US National Park Service to support a symposium on the preservation of Native American and historical natural history collections with pesticide residues. SPNHC should receive notification of results by the end of the summer.

continued on page 10

Treasurer's Report... ***continued from page 9***

Because of unusual circumstances, SPNHC was financially responsible for the 1999 meeting, which netted \$8,215. To release the encumbrance, local committee accounts were closed in December 1999, and the financial paperwork was shipped to the SPNHC accountants for review.

The first half of 2000 has had steady activity. Income for the FY2000 renewal season has been received from approximately 108 library subscriptions (8% drop from last year) and 472 individual and associate members (14% drop from last year). Storage book sales are very slow this year compared to last year. Storage of Natural History Collections Ideas and Practical Solutions vol. 2 is currently out of stock and is the prime reason for sluggish sales. However, sales of *Managing the Modern Herbarium* are fairly steady.

Expenses so far incurred in FY 2000 include \$7,700 for Collection Forum, \$2,354 for the Spring issue of SPNHC Newsletter, \$669 for membership brochures, \$1,495 for postage, contractual support, and supplies for the Treasurer's Office; \$850 for insur-

ance; and \$474 in bank fees. Financial reviews of SPNHC and the 1999 local committee financial records were performed. The reviews, tax preparation and filing cost \$5,000. The Society expects to have an aggressive publication period over the next 2-3 years, reflected in the FY2000 and upcoming budgets. For additional information concerning SPNHC finances, please contact the SPNHC Treasurer

I would like to personally thank the following for their help during 1999-2000: Tim White and Larry Gall (Yale University) for streamlining the membership database, Karen Reed and Richard Freeman (Smithsonian Institution) for database support, Lori Schlenker (Smithsonian Institution) and Jane MacKnight (Cincinnati Museum Center) for organizing the 1999 local records, Julia Golden (University of Iowa) for boxing and shipping the Storage books, Sheila Byers (Vancouver, Canada), Deb Metsger (Royal Ontario Museum), Kate Shaw Moots (formerly of Kansas University), and Janet Waddington (Royal Ontario Museum) for MMH financial advice, and the Smithsonian Institution Division of Fishes for general office support.

.....

President Panel... ***continued from page 1***

they want to know and how this is to be delivered to them. Jerry made reference to the opening addresses by Drs. Richard Haworth and Jacob Verhoef who emphasised that data must be both integrated and available. So what public value are we therefore charged with to deliver? Preservation is an overall attempt to address present and future needs of our society. Museums are often regarded as time capsules of the past, for future uses. But how do we serve future generations, and what value can we place on these items? What do we collect and how do we make these accessions available?

Sue McLaren discussed SPNHC membership and finances. She reviewed how SPNHC formed in 1986 and how financial stability was weak. In 1988 SPNHC had some 188 members and through a member's donation of \$2000 kept the society financially viable. Today at 700+ members we are \$50,000 US in the black due to the strong sales of our first storage book. Sue strongly believes that the society's membership has grown, due to the members advertising of SPNHC by word of mouth. The sales of the first storage book have allowed our society to strive forward with a mission. Although numbers have fluctuated, this may be a reflection of what has been happening within the museum community. As resources plummeted so did staff numbers, almost cyclic. Two groups represent membership: collection managers and conservators. Dissension between these two groups was quite apparent at the Drumheller meeting in 1989, whereas today communication and networking is evolving between these factions. Attitudes are changing. The base members of this organisation are ageing and we need to encourage students to

attend our meetings. Perhaps we could set up a fund for this purpose as well as encourage international membership.

Steve Williams our third SPNHC president addressed progress. In the 1980's SPNHC had a unique niche. We had professionals such as Steve Cumba, CMN who greatly encouraged professionals to contribute to the SPNHC meetings. We as a group did not define or determine these professions. In 15 years SPNHC has established areas common to all museum professionals, an existing body of knowledge and skill, as well as an awareness of this group of professional qualified individuals. We must continue to provide quality service, such as we do presently through our publication FORUM, books, annual meetings, individual training and standards, and recognising excellence through the awards system. Perhaps we can now expand this knowledge base and skills. Perhaps we could expand our membership to be as high as 5000 members. Perhaps we will eventually recognise the benefits of our goals.

Sally Shelton, our outgoing president, spoke on professional standards and guidelines. Standards are beneficial to our members. These are often imposed from outside rather than within an organisation. Collections management is not a profession but a weigh station on the way to a career, call it a para-profession. But why isn't it regarded as a profession? We have within SPNHC the knowledge, guidelines, standards and best practises that are practical and achievable. Our long-term benefits have been achieved through shared values, and shared needs, as well as approved validity of collections research. Guidelines have enhanced or added to the value of these collections. Never have we been compliant. The SPNHC initiative and guidelines have been linked to our credibility, our accountability and through reference to SPNHC by other professional societies. SPNHC is proactive, and does not always respond to knee-

jerk reactions. SPNHC is committed to expanding its guidelines and professional standards. Recent discussions include standards for genetic codes; digitisation of various types of data; qualifications to be recognised as a main repository; responsibility for curating things which do not belong to an organisation; assessment of professional communiqués; citation of our guidelines; and finally recognition as a problem solving organisation.

Grant Hughes discussed operations. He described how our by-laws have evolved over the past 15 years at general meetings and through the society's Newsletter. Council members are elected by membership in order to conduct the day-to-day operations of the society. At present our members can access the SPNHC website, subscribe to NHCOLL-L, attend annual meetings and sponsored workshops, and obtain first class publications. Since the society's inception there has been a 60-fold increase in membership, which would confirm the effectiveness of the original set-up of SPNHC, and should be regarded as a good investment. We are now at a junction to plan where we go from here. Since we are servicing a larger group, this has had an impact on centralisation. The feasibility of centralising some of these functions is a potential option, i.e. maybe employ a part-timer, and rent a central office, which could ultimately increase our effectiveness as an organisation.

Carolyn Rose described our past partnerships. SPNHC has sponsored a co-operative program with other professions in the past. Partnerships have been found to add to our strength i.e. NIC or Heritage Preservation, who sponsored our first course. The National Science Foundation has completed a study on the importance of natural history collections. Conservation assessment members have increased conservation funding to museums. Together we have shared our goals. Initially conservators needed to learn the complexities of collections management, which was aided by the workshops supported by CCI and CMN. The Association of Systematic Collections has a joint list serve with us on collection care and management. SPNHC participated in the Madrid Congress in 1992 resulting in resolutions which went to the Biodiversity Congress. SPNHC recognises that collections care and interaction with speciality organisations such as the American Museums, US Park Service and AIC have greatly enhanced our capabilities such as the translation of some of our books into other languages. We now recognise that new and different partnerships are needed, and are beneficial.

Rob Huxley incoming future SPNHC president presented an overview of our international role. He will be the first president who does not reside in North America, and feels that this will only broaden the international goals of the society. We are an international community. Perhaps a joint international meeting could be planned in the next few years. Translations, workshops and increase in international memberships (presently at 10% of total members) would be a great achievement.

At the end of the panel discussion our past, present and future presidents asked the audience the following questions:

- What avenues of communication have we not yet pursued to spread the word of SPNHC and ultimately increase our membership?

- How do we attain a perceived importance to society in general?
- Standards and best practises, how can we take these to the next level?
- How do we provide better membership? Generate new partnerships?
- What can we do for the international community?

Some answers from the attendees:

- SPNHC advertises itself through exhibits. People are interested in how specimens deteriorate and how we are going to fix them.
- A cirrocumuli is required across disciplines.
- Although several members are teaching, there is no interaction between these individuals or knowledge of each other's courses.
- We need to go to the graduate and undergraduate levels so that students learn first hand how to handle specimens/holdings; they have to recognise that specimen vouchers support/enhance their research; or "get them early"...
- Training, formal training is a must. We should be working with groups in developing nations.
- Add to the membership list our individual affiliations.
- More science collaboration with AAM.
- SPNHC brochures should be at all meetings.
- Generate a webpage that is more user friendly to the public.
- Do a risk assessment on your collections and develop channels to communicate this information; a ranking for self study.
- AA accreditation; some organizations already have in place.

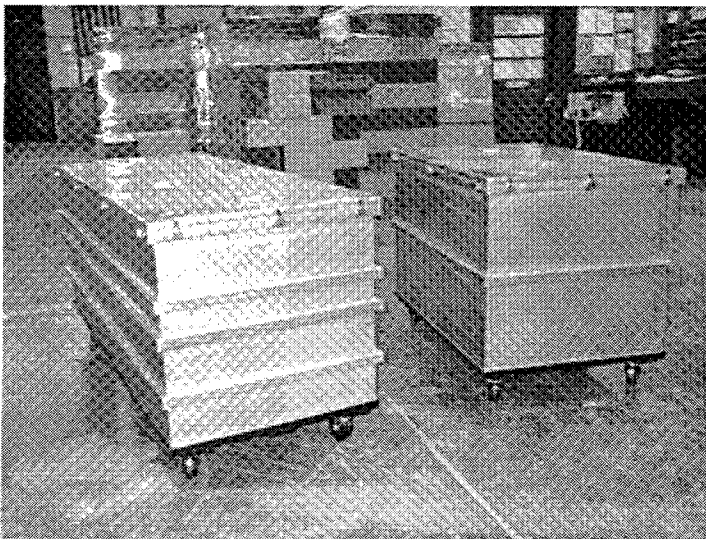
Should you wish to comment on any of the above please feel free to generate a response for the next Newsletter our Editor would love to hear from you.

**Special
Announcements**

Introducing Viking Stainless Steel Specimen Tanks

Viking specimen tanks are constructed of type 316L stainless steel with a number 2B finish. This material has superior corrosion resistance and will withstand all common preservatives without deterioration or discoloration.

The tank bodies are made of 18 gauge (.048 thick) material. All seams are carefully hand welded. Large tanks also feature 14 gauge (.075 thick) side-reinforcing channels welded to the tank sides. Tank lids are constructed of the same stainless steel material as the tanks and are provided with two stainless steel drop handles for ease of removal. The lids are held firmly in place against a gasket by the use of a number of quick release stainless steel mechanical draw latches. The gasket material is Buna-N, which is a closed cell chemically resistant synthetic rubber. The gasket is completely contained in a recessed stainless steel channel around the opening of the tank. These tanks are the highest quality and are constructed of the heaviest material of any tanks now being produced. They will provide unequalled service life and durability. Caster dollies are available for all tank sizes. Dollies are constructed of 16 gauge (.060 thick) cold-rolled steel and finished with chemical resistant powder coating. Casters are heavy-duty 4" diameter swivel casters. Tanks and Bases are available in any size. Tanks sizes (in inches) currently being produced are: 36 x 15 x 15, 48 x 30 x 30, 72 x 24 x 24, 77 x 29 x 29. For more information visit www.vikingmetal.com or contact Linda Gottfried (linda@vikingmetal.com or 800.776.7767).



Collection Managers Online

The Museum of Southwestern Biology (MSB) has completed a web version of Collection Managers Online (CMO). The CMO ([URL http://www.unm.edu/~museum/herb/cmo.htm](http://www.unm.edu/~museum/herb/cmo.htm)) is an international directory of museum personnel in natural history collections. To be included in the directory, send an e-mail including your name, e-mail, mailing address, phone and fax to Jane Mygatt (jmygatt@unm.edu).

Announcing PERMIT-L

PERMIT-L is a moderated cross-disciplinary listserve, hosted by the Smithsonian Institution, intended to facilitate discussion and information flow on all issues related to the rapidly changing terrain of biological collecting, permits, access, and import/export transactions. Discussions of geological and cultural permits will be phased in later. The listowner is Sally Shelton, Collections Officer at the Smithsonian's National Museum of Natural History.

As we all know, the rules are changing, based in many cases on the obligations of countries under the Convention on Biological Diversity. This list and a web site to be developed soon are being created to help both researchers and governmental agencies inform each other and fulfill their obligations. Our goal is to create the most up-to-date set of information on the requirements that must be taken into account for biological researchers to do their work legally. Please recognize that rules and regulations change, sometimes with great rapidity. Information posted to PERMIT-L must be checked out with local and appropriate authorities before field work is begun. We check all information carefully and will check and post updates based on your recent experiences if you send that information in.

PERMIT-L is a professional venue for permits information. We ask that you send us information on process(es) that worked for you (including information on required paperwork, appropriate contact points in agencies and ministries, and other useful tips for the next person). We also ask that you please notify us of out of date or incorrect information. Please ask for help well in advance of your trip, and recognize that international collecting rules aren't always clear (and may even be contradictory). Finally, please let us know of new legislation, regulations, and procedures being developed. PERMIT-L is not a venue for complaints. We moderate this list and decline to post non-constructive complaints as well as personal messages, commercial advertisements of any kind, and unverifiable information.

As information accumulates, a web site will be set up that will help summarize all the most up-to-date information on biological collecting and collections transactions as accurately as possible. This is, of course, a collaborative volunteer effort; your suggestions are welcome. For more information on PERMIT-L, contact Sally Shelton, Collections Officer, National Museum of Natural History, Washington, DC 20560; shelton.sally@nsmnh.si.edu (email).

Field Trial of Newly-Developed Preservation Management Technology

The Image Permanence Institute (IPI) is seeking libraries, archives, and museums in the USA to participate in a field trial of newly-developed preservation management technology. IPI will offer hardware, software, and training free of charge to eighty different cultural organizations under the terms of a grant from the National Endowment for the Humanities. The purpose of the project is to test and refine a computerized system for gathering and interpreting data on environmental conditions in collection storage and display areas. Participating institutions will receive two Preservation

Environment Monitors (an advanced datalogger developed with NEH funds specifically for preservation use) and a copy of Climate Notebook, a Windows®-based software application developed by IPI with funds from the Andrew W. Mellon Foundation. The hardware and software will be given to participating institutions during a mandatory 1 1/2-day training session. Four such training sessions will be held in different areas of the country. The field trial will begin in fall 2000 and last two years.

Responsibilities of field trial participants include paying for travel expenses for their staff while attending the training session, providing written evaluation of the complete system, a willingness to share (anonymously) summary data on collection storage environments, and a good-faith effort to advance the utility of the new technology. Selection of participating institutions will be based on achieving a diversity of institutional types, sizes, geographic locations, and preservation capabilities. Level of interest in the project will also be a criterion. Interested parties can obtain an application form from the IPI web site: www.rit.edu/ipi. Alternatively, they may contact the Image Permanence Institute either by phone at (716)475-5199, by e-mail ipiw@rit.edu, or by letter to Image Permanence Institute, Rochester Institute of Technology, 70 Lomb Memorial Drive, Rochester, NY 14623-5604. The deadline for receipt of completed application forms (either on paper or on the web) is Sept. 1, 2000. Applicants will be notified by Sept. 15 whether or not they have been selected for the field trial. All applicants will receive the final report of the project. Click for Application Form.

Directory of Paleontologists of the World

The International Palaeontological Association's electronic Directory of Paleontologists of the World is now available at: <http://ipa.geo.ukans.edu/index.html>. Please open the web page and enter your information. Urge your colleagues to do the same. The directory will become increasingly valuable as more and more people enter information. You can complete the entry in only a few minutes. What happens if you need to change your entry at some time in the future? Simply enter the new information. When we see that you have two entries, we will delete the old one and retain the new one. If there is any question, we will contact you about it. Eventually we hope to have information on most of the world's paleontologists. When we do, it will no longer be necessary for anyone to inquire of various lists to try to find e-mail addresses or other such information. Please enter your personal information now and contact Roger Kaesler (kaesler@ukans.edu) or Dr. Michael Cormack, the web master (paleo@raven.cc.ukans.edu), if you have questions.

Museum Pollution: Detection and Mitigation of Carbonyls

A two day conference entitled "Museum Pollution: Detection and Mitigation of Carbonyls" was held at Strathclyde University on the 17-18 June 1998. Over 30 delegates from the UK, the Netherlands,

Denmark, Canada and the US attended. Several carbonyl pollution issues were discussed and a number of actions were proposed. The year after the second meeting of the IAP Working Group "Detection and Prevention of Indoor Air Pollution" was held at Institute Collectie Nederland, Amsterdam. Now, the third meeting will be held at Oxford Brookes University, on July 10-12, 2000.

The working group has now started a homepage, hosted by the "IAQ in Museums and Archives" web site <[URL:http://hjem.get2net.dk/ryhl/iap.htm](http://hjem.get2net.dk/ryhl/iap.htm)>. On this homepage presentation abstracts and additional notes from the two first meetings are available, as well as information regarding the next meeting this summer in the U.K. Besides this is a directory of people researching indoor air pollution and museum climate is evolving on the homepage, this list is open for everyone in the field who wish to be cited.

SPNHC heads West!

Next summer the California Academy of Sciences in San Francisco will host the 16th Annual Meeting of the Society for the Preservation of Natural History Collections June 21-26, 2001. Long-time SPNHC member Jean DeMouthe is chair of the local committee which promises an exciting week in the Bay Area. During your free time, the beautiful and exciting city of San Francisco will be yours to explore and enjoy. The Academy is a private, non-profit scientific institution; the oldest in the American West. Founded at the height of the Gold Rush in 1853, the Academy has been located in Golden Gate Park since 1914. The public museum includes natural history exhibits, Morrison Planetarium, and the Steinhart Aquarium. Collections are held in eight research departments and the aquarium. Pre-meeting fieldtrips include a trip north of San Francisco to Marin County (including the San Andreas fault, Drake's Bay, Miwok Indian Village and the Giant Redwoods), a trip to the tide-pools & coast south of San Francisco at Marine Sanctuary, and a Bay cruise (with the possibility of a visit to Alcatraz), Monterey Bay Aquarium and the Oakland Museum and Lindsay Wildlife Museum. Meetings and social events will be held at the Academy. The meeting will conclude with a workshop on Living Collections.

For more information, contact Jean DeMouthe, California Academy of Sciences, Golden Gate Park, San Francisco, California 94118 USA; (415) 750-7094 (voice); (415) 750-7090 (fax); jdemouthe@calacademy.org (email).

18th Century Collections on line

The Natural History Museum, London UK has launched new collections image websites dedicated to two important 18th century botanical collections; the Jamaican Collections of Sir Hans Sloane (www.nhm.ac.uk/botany/databases/sloane) and Paul Hermann's collections from Ceylon (Sri Lanka) (www.nhm.ac.uk/botany/databases/hermann). These sites will enable scientists, historians and

continued on page 14...

Special Announcements...

continued from page 13

the general public to view these collections of bound volumes to which access is restricted due to their age, importance and fragility. The work was supported by a generous grant from the Heritage Lottery Fund (UK) and was part of a larger programme to conserve and renovate historical plant collections and rehouse them in appropriate environmental conditions. A similar site dedicated to George Clifford's herbarium will be launched later this year.

Call for Data on Worker Exposure, Repatriation Testing and Remediation

The National Institute for Occupational Safety and Health, the Smithsonian Institution, and the George Washington University have been collaborating on various studies and initiatives designed to characterize potential workplace exposures in museums and cultural institutions. Emphasis has been on gathering data related to heavy metals, pesticides, formaldehyde, and silica. A related theme is the potential health risk to Native American communities receiving repatriated objects which may have been treated with preservatives or pesticides since leaving the tribe. We are interested in discussing the following topics with other museums and their industrial hygiene/safety offices: a) results of worker exposure surveys that have been conducted in collections settings, b) establishing standardized testing protocols and disclosure formats for repatriated objects, and c) developing culturally acceptable options for remediation of contaminated sacred objects. If you are currently involved in worker exposure studies, or repatriation testing, in museums or university natural history collections and wish to add to a national database, please contact me (Kathryn A. Makos, Office of Environmental Management and Safety, Smithsonian Institution, Washington, DC 20560; (202) 287-3615 (voice); makoska@ic.si.edu (email)) and forward this call for data to your occupational health and safety office.

SPNHC Receives Funding for a Symposium on Pesticide Residues in Museum Collections

A grant proposal supported by the Conservation Committee in collaboration with the National Park Service (NPS) and the Smithsonian Institution's National Museum of the American Indian (NMAI) has received funding from the National Center for Preservation Technology and Training (NCPTT) for a symposium on "Preservation of Native American and Historical Natural History Collections Contaminated with Pesticide Residues".

The repatriation of Native American sacred objects, brought about by the requirements of the Native American Graves Protection and Repatriation Act (NAGPRA), has created an urgent need for the

development of ways to identify and manage pesticide residues on objects. Historically pesticides were applied to objects and specimens in museums in order to protect them from infestation. Though pest management practices have changed and few objects are currently fumigated, the legacy of typical practices has left behind residues such as arsenic, mercuric chloride, and DDT in museum collections. Native American objects and natural history specimens have been contaminated. While the hazards have been known within the museum community, with repatriation, objects are going back into public spaces and private homes, creating a higher risk of dangerous exposure to tribal members.

The goal of the symposium is to bring together approximately 30 conservators, scientists, Native Americans, public health officials, attorneys and preservation professionals actively working on the problems of pesticide residues to discuss current scholarship, identify public health resources, and map future plans of action.

The objectives for the symposium are:

- to help develop appropriate conservation strategies for the safe handling, storage and treatment of contaminated objects
- to identify current scholarship regarding collection surveys, development of testing methods, risk assessment, and treatment of contaminated collections
- to determine additional research and training needs for safe use of historic natural history collections and repatriated Native American objects and create working groups to carry out the plans
- to encourage communication among the various stakeholders and disseminate information over the Internet and through publications

The symposium will be held in March 2001 at the National Conservation Training Center in Shepherdstown, West Virginia.

Organizing committee members are: Dr. Judy Bischoff, Harpers Ferry Center, NPS (author of the grant proposal); Scott Carroll, Alaska State Museum; Catharine Hawks, Private Conservator; Jessica Johnson, Museum Management Program, NPS; James Pepper Henry, National Museum of the American Indian; and Dr. Stephen Williams, Baylor University.

Museum Studies at the University of Kansas

The Historical Administration and Museum Studies Program (MHAMS) at the University of Kansas offers a Master's degree with tracks in American Studies, Anthropology, History, and Natural History. The Natural History track emphasizes collection management and care. The MHAMS program includes 18 credit hours of required courses, 18 credit hours of professional and subject-matter courses (selected according to disciplinary track), and six credit hours of apprenticeship. The required courses in the program include conservation, collection management, museum management, exhibits, the nature of museums, and museum public education. MHAMS courses are taught by University of Kansas faculty and staff, regional museum professionals, and invited guest instructors. The MHAMS pro-

gram makes use of the art, anthropology, classics, and natural history museums, libraries and archives on the KU campus, as well as those in the region, particularly in Topeka and Kansas City. The program enrollment averages about 20 full-time graduate students. The 42 credit hours can be completed in two years of full-time study. For further information, contact Dr. Alfred E. Johnson, MHAMS Coordinator, Museum of Anthropology, University of Kansas, Lawrence, Kansas 66045; 785-864-4245.

Museums on the Mend University of Colorado Museum's Paleontology Collection

The University of Colorado Museum's Paleontology Collection is moving to a new building on the Boulder campus next summer, and in preparation for this monumental event, we will be closing our collections beginning this Fall. Any loan or information requests should be made prior to October. We will be happy to receive loans being returned to the UCM while the collections are closed. Please also note that the Fall 2000-Fall 2001 timeframe would not be a good time to visit (unless you'd like to help with the packing), since chances are good that the specimens you are interested in would already be packed. We hope to re-open the collections sometime in the Fall/Winter of 2001. If you have questions, please contact Paul C. Murphey, University of Colorado Museum, Campus Box 315, Boulder, CO 80309-0315, U.S.A.; (303) 492-8069 (voice); (303) 735-0128 (fax); paul.murphey@colorado.edu (email).

Natural History Collections News From Colombia

The first Congreso Colombiano de Zoología was held from 08-12 May 2000 at the Instituto de Ciencias Naturales, Universidad Nacional de Colombia, in Santafé de Bogotá. More than 600 participants attended, from throughout Colombia as well as USA and Venezuela. A half-day session on zoological collections was held on 11 May, coordinated by Olga Castaño and Yaneth Muñoz-Saba, which included the following presentations:

Importance and Management of Biological Collections (John Simmons). Addressed the historical development and current research uses of collections, and the need for professional collection management with a preventive conservation approach. Management in the Administration of Natural History Museums (Fernando Fernández). Three hymenoptera collections in Colombia were compared using the USNM Collection Health Index (CHI, or "McGinley method") to identify curation and management problems. The CHI was then applied to compare the growth of a collection in one institution over a four-year period to demonstrate its usefulness for collection assessment and goal-setting. Analysis of Invertebrate Collections in Colombia (Eduardo Flórez). Summary of 32 collections of aquatic and terrestrial invertebrates, by taxonomic group and geographic region. The collections include 18 in public universities, 3 in private universities, and 11 other collections. Analysis of Vertebrate Collec-

tions in Colombia (Olga Castaño). In Colombian collections there are at least 32,000 mammals, 77,000 birds, 70,500 reptiles and amphibians, and 25,000 lots of fish. Geographic areas in Colombia from which collections are most needed were identified, as well as issues relating to the problems of convincing the public and governing authorities of the importance of collections. She mentioned the work of the Systematic Agenda for the 21st Century (Agenda Sistemática para el Siglo XXI) and prioritized its proposed objectives for implementation in collections. Computerization of Biological Collections (Jorge Humberto Rodríguez). Summarized the evolution of software from simple computerization of data to the present state of interoperability, and demonstrated the ARKAS system developed by the Instituto de Investigación de Recursos Biológicos Alexander von Humboldt. ARKAS is a comprehensive, flexible database designed specifically for systematic collections and their use in biodiversity studies.

Advantages and Benefits of Computerization of Biological Collections (Yaneth Muñoz-Saba). Analyzed the advantages of using the Z39.50 protocol for the management of distributed databases in biodiversity studies, including field requirements and ownership of data. An on-line demonstration highlighted applications of the data to biodiversity studies. Regulation of Biological Collections (Maurin Montenegro). Outlined recent legislation in Colombia which regulates collecting as well as the ownership, use, and transfer of material in biological collections. The role of natural history collections was mentioned frequently in the papers and poster presentations throughout the congress. The keynote address on 11 May, Introduction to the History of Zoology in Colombia, was by Jorge Hernández-Camacho. His presentation emphasized the importance of collections in the history of science, reminding the participants that although field work was a lot of fun, in the long run, systematic collections were necessary for comprehensive biological studies. On the last day of the congress, a group of participants interested in the welfare of systematic collections and natural history museums met to form the Association of Colombian Zoology Collections (Asociación Colombiana de Colecciones Zoológicas). During the course of the next year, a steering committee will prepare a draft proposal for organizational structure and mission for this new organization.

The second Workshop on the Care and Management of Natural History Collections (II Curso Teórico-Práctico "Cuidado y Manejo de Colecciones de Historia Natural") was held in Villa de Leiva, Boyacá, from 15-19 May 2000. The workshop was sponsored by the Instituto de Investigación de Recursos Biológicos Alexander von Humboldt and the Instituto de Ciencias Naturales. There were 18 participants from across Colombia. The course was organized and presented by John Simmons and Yaneth Muñoz-Saba. It consisted of 40 hours of lectures, demonstrations, field trips, and hands-on opportunities, as well as nearly 400 pages of readings. The topics covered in the course include the history of natural history collections, preventive conservation, agents of deterioration, materials testing, the storage environment and environmental monitoring, documentation, policies, collection management, pest control, and collection assessment. The next workshop will be held in 2002 and will be open to all Spanish speaking participants. For further information, please contact Yaneth Muñoz-Saba (ymunoz@humboldt.org.co) or John Simmons (jsimmons@eagle.cc.ukans.edu).

Discussion on the "Priorities for Natural History Collections Conservation Research"

PAISLEY CATO

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

During the Special Interest Group sessions at the annual meeting in Halifax, the ten top priorities identified by the SPNHC membership for natural history collections conservation research were presented for discussion. Based on the survey, the membership's top broad priorities (unranked) were:

- Impact of preparation materials and methodologies on chemical and physical properties of specimens.
- Impact of preparation materials and methodologies on scientific utility of specimens.
- Development of preparation methodologies that maximize scientific utility of specimens.
- Impact of treatments on the scientific utility of specimens.
- Methods to assess systematically the condition of specimens over time.
- Methods to assess systematically the condition of a collection of specimens over time.
- Methods to assess risks to collections to rationally identify priorities for collection preservation investments and research.
- Proper relative humidity and temperature parameters for general collection.
- Materials specifications for containers.
- Methods for repair / restoration of damaged specimens.

Discussion focused on critical issues relating to these priorities that are faced specifically by the discipline of each group. One repeated concern is the necessity of understanding the impact of past practices and the lack of information concerning past procedures. This concern was raised during the Conservation and Documentation committee meetings as well as the Special Interest Group meetings.

The Botany SIG noted these needs.

- The importance of the priority #7, "methods to assess risks..."
- Need for decision-making protocols related to the impact of databasing a collection vs the future use patterns of the collection (and possible increase of hands-on use)
- Need for the development of a template for risk management and mitigation of disasters for natural history collections
- Need to develop statements or guidelines for "best practices"
- Need for decision-making protocols concerning the uses of specimens in public programs and related conservation priorities
- Need to understand the impact of past practices
- Concern over the lack of documentation of preparation methods prior to mounting

The Conservation SIG noted the following.

- The importance of the priorities relating to the impact of preparation materials and methodologies
- The importance of the priority #7, "methods to assess risks...", wondering if more than one methodology was needed; if so, what would it be
- Assessments should provide a method to improve objective analysis over time
- Need for team collaboration in this research among conservators, collection managers and natural science researchers because it is necessary, but difficult, to identify specimen condition parameters that have value and utility for science
- Need for more research and information concerning adhesives
- Importance of publishing results of research and strengthening information dissemination, particularly for areas heavily researched already

The Anthropology SIG noted some specific needs.

- How tanning processes impact future deterioration of leather and skin.
- How BEVA adhesive ages in contact with acidic skin substrate
- Research on treatments that impact dating, wear, pollen, blood, accretions
- How consolidating adhesives impact DNA analysis (especially PVA resins)
- Need to make existing conservation information more accessible to other disciplines
- Concern over permanency of images, digital images
- Proper relative humidity and temperature parameters for mixed media
- Long-term anoxic storage of fragile materials
- Impact of buffered tissue on skins
- How to deal with flood/water damaged materials (skin, wood), and mold issues

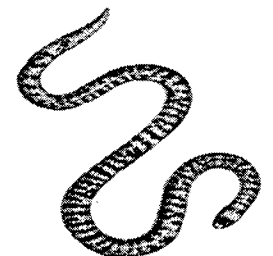
The discussions repeatedly pointed out the need for research and the always present problem of finding time and resources to complete research projects. Collaborations were encouraged, as were submissions to the NCPTT funding opportunities.



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}, Jessica Johnson {JJ}, Rob Waller {RW} and Paula Work {PW}. 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@cincymuseum.org (email).

- Adams, S. 2000. Dust monitoring. The Natural Science Conservation Group Newsletter No. 14, Agents of Destruction - No. 8 pp 8-11.
- American Association of Museums, Technical Information Series, Professional Practice Series. Weisz, J. (Compiler), R. Adams (Series Editor). 2000. Codes of Ethics and Practice of Interest to Museums. 297 pp.
- Andrew, K. 2000. Pollutants in Museums. The Natural Science Conservation Group Newsletter No. 14, Agents of Destruction - No. 8 pp3-5
- Bowden, A. 1999. Total quality management in museums. *Geological Curator* 7(2): 77- 80.
- Bustard, W. 2000. Archeological Curation in the 21st Century: Or, Making Sure the Roof Doesn't Blow Off. *CRM* 23(5):10-15.
- Carter, J. 2000. Hidden treasures: Conservation making natural science collections accessible. *Natural Science Conservation Group Newsletter* No. 14 pp 16-18.
- Chatigny, M.E. 2000. The extraction of DNA from formalin-fixed, ethanol-preserved reptile and amphibian tissues. *Herpetological Review* 31(2):86-87.
- Chure, D. 2000. New Threats to Old Bones: The Theft of Fossil Vertebrates from Museum Collections, *CRM* 23(5):18-22.
- Comley, R. and K. Noble. 2000. Making plants displayable. *The Biology Curator*. Issue 17 pp 5-8.
- Cornish, F. 2000. Data, cores find new home: Treasure Saved from Being Trash. *AAPG Explorer*. July 2000:33.
- Covington, R. 1999. An act of faith and the restorer's art. *Smithsonian*, Vol. 30 No. 8 (Nov):76-85. -Restoration of the Basilica of St. Francis in Assisi.
- Doughty, P.S. 1999. Museums then and now: Collection developments on museum geology since 1981. *Geological Curator* 7(1): 3-10.
- Hannibal, A. 2000. Non-Federal Museums Managing Federal Collections, *CRM* 23(5):6-9
- Hawks, C. and K. Makos. 2000. Inherent and Acquired Hazards in Museum Objects: Implications for Care and Use of Collections, *CRM* 23(5):31-37.
- Holmes, M.S. 2000. Rescue and restoration. *Smithsonian*, Vol. 30 No. 4 (July):82-87. -A conservation effort to revive artworks of historically black colleges and universities.
- Irving, J. 2000. Introduced Pollutant - the risks of treating mineral specimens with ammonia. *The Natural Science Conservation Group Newsletter* No. 14 Agents of Destruction - No. 8 pp 2-3.
- Hitchcock, A. (editor). 2000. *Museum Issues and Trends*, *CRM* 23(5):4-6.
- Larkin, N.R. and E. Makridou. 1999. Comparing gap-fillers used in conserving sub-fossil material. *Geological Curator* 7(2): 81-90.
- McLean, S.G. 1999. Rescuing an orphan mineral collection: The case of the University of Newcastle mineral collection at the Hancock Museum. *Geological Curator* 7(1): 11-16.
- Mann, D. J. 2000. Pests from non-collection sources. *Natural Science Conservation Group Newsletter* No. 14 pp 22-23.
- Mann, D. J. 2000. A new museum pest in Britain. *Natural Science Conservation Group Newsletter* No. 14 p. 11.
- Mann, D. J. 2000. Ask before you guess. *The Natural Science Conservation Group Newsletter* No. 14, Agents of Destruction - No. 8 pp 13-14.
- Moore, S. 2000. Dust. *The Natural Science Conservation Group Newsletter* No. 14, Agents of Destruction - No. 8 pp 7-8
- Odegaard, N. 2000. Collections Conservation: Some Current Issues and Trends, *CRM* 23(5):38-41.
- Purewall, V. 2000. Removing mercuric chloride residues from herbarium labels. *The Natural Science Conservation Group Newsletter* No. 14, Agents of Destruction - No. 8 12-13.
- Purewall, V. 2000. Pollutants in Collections Stores. *The Natural Science Conservation Group Newsletter* No. 14, Agents of Destruction - No. 8 pp 5-7.
- Rosso, Kevin M., Udo Becker, and Michael F. Hochella Jr. 1999. The interaction of pyrite {100} surfaces with O₂ and H₂O: Fundamental oxidation mechanisms. *American Mineralogist* 84(10): 1549-1561.
- Shaw, M.R. 1999. *Trogoderma angustum* (Solier, 1849) (Coleoptera: Dermestidae), a museum and herbarium pest new to Britain. *Entomologist's Gazette* 50:99-102
- Purnell, M.A., P.C.J. Donohue, and R.J. Aldridge. 2000. Orientation and anatomical notation in conodonts. *Journal of Paleontology* 74(1): 113-122.
- Roosevelt, A.C. 2000. New Information from Old Collections: The Interface of Science and Systematic Collections, *CRM* 23(5):25-30.
- Shirley, K. 2000. Access to data gets push: Efforts continue to 'Save the Rocks' *AAPG Explorer*. July 2000:12-13.
- Stewart, J. and R. Joseph. 2000. Validating the Past in the Present: First Nations' Collaborations with Museums, *CRM* 23(5):42-45.
- Thompson, R. H. 2000. The Crisis in Archeological Collection Management, *CRM* 23(5):4-6.
- Vogt-O'Connor. 2000. A Precarious Balance: Collections Access and Intellectual Property Rights, *CRM* 23(5):61-65.



POSITION ANNOUNCEMENTS

If you would like to submit job descriptions, please send postings to the Newsletter Editor. See the SPNHC web site, www.spnhc.org, for current postings.

Curatorial Assistant II, Harvard University Herbaria. Assists with the general curation of the vascular plant collections. Processes loan requests and exchanges; files newly acquired specimens and specimens returned from loan. Orients and assists users to the Herbaria; serves as a source of information to visiting scholars, students, other University departments and the public. Answers correspondence related to the collections. Updates the collection according to recently published monographs. Assists in specimen label preparation and record-keeping. Inspects collections for evidence of insect infestation and treats material according to standard herbarium procedures. Requirements: College degree with specialized courses pertaining to the taxonomy of vascular plants and to herbarium/museum collections preferred; word processing and data entry skills, preferably with knowledge of the Windows environment and specimen databases. Strong interpersonal skills and the ability to work well independently and with others. Ability to lift up to 40 lbs. Interested applicants should send a resumé, cover letter and the names of 3 references to Mary Reynolds, OEB Research, 26 Oxford Street, Cambridge, MA 02138. Application deadline: 30 August 2000. NOTE: this is a temporary position. For more information on the Harvard University Herbaria, please see our Web site at <http://www.herbaria.harvard.edu>.

Curatorial Associate, Museum of Vertebrate Zoology, University of California, Berkeley. Career appointment (Associate Specialist) in the Museum of Vertebrate Zoology, University of California, Berkeley. Requirements include: advanced degree (Ph.D. preferred), prior curatorial experience, and experience with museum database management. Responsibilities include: curatorial and managerial functions in large collections of amphibians, reptiles, birds, mammals, and genetic resources, training and supervision of student Curatorial Assistants, outreach to researchers, state and federal government officials, environmental organizations and the general public (80% time) and maintenance of a personal, high-quality research program (20% time). Applicants should submit a resumé and statement of his/her vision for museum collections in the academic setting of a major research university, and have letters from three referees sent to: Director, Museum of Vertebrate Zoology, University of California, Berkeley CA 94720-3160 USA. Completed applications must be received by September 15, 2000, with a potential starting date of January 1, 2001.

Curator of Invertebrate Palaeontology, National Museums of Scotland. Applications are invited for this permanent post within the Department of Geology and Zoology, based at the Royal Museum, Chambers Street, Edinburgh. The starting salary for this through graded post (spanning five grades) is likely to be between £12,330 and £21,298 per annum, subject to level of appointment, qualifications and experience. Duties will include responsibility for maintaining and improving documentation of the collections; and for acquisitions; exhibitions; research; publications; and answering public enquiries. Will have proven ability in research and publication; and appropriate computer skills. A working knowledge of at least one foreign language, and experience in museum work, are

desirable. Possession of a current driving licence, or evidence of progress towards this, is essential. You must be able to work effectively both independently and as part of a team, and possess good written and verbal communication skills. An application form, to be completed and returned by Monday 9 October 2000, may be obtained by calling in person at the Royal Museum's Information Desk, or by telephoning 0131-247 4094 (voice). Please state clearly the post you are applying for and quote reference NMS00/28. Interviews will be held at the Royal Museum at the end of October/early November 2000. An Equal Opportunities Employer.

Assistant Director of the Geology Museum, University of Wisconsin, Madison. We are pleased to advertise for a newly created job as Assistant Director of the Geology Museum, University of Wisconsin, Madison. The Assistant Director will be responsible for planning, coordinating and overseeing the Geology Museum's outreach programs. Will create and manage workshops and summer programs for K-12 students and teachers; supervise student and volunteer tour guides; work with on and off campus organizations; represent the Museum at educational workshops and conventions; work with museum staff to help develop new exhibits and educational materials; maintain publicity via the media, newsletters, brochures and the Web; assist with proposals to support Museum's educational activities; maintain contact with, and support the fund-raising efforts of the UW Foundation and The Friends of the Geology Museum. Information about the Museum and its collection may be found at www.geology.wisc.edu. This is a fixed-renewable position dependent on funding. Currently the Museum has guaranteed funding to support this position for three years. Interested applicants should submit a cover letter, resume and the names/addresses of three references to Dr. Toni Simo, Department of Geology and Geophysics, 1215 West Dayton Street, Madison, WI 53706. Letters of application and related material may be faxed to (608) 262-0693.

Scientific Assistant, AMNH Department of Mammalogy. The Department of Mammalogy at the American Museum of Natural History is seeking a scientific assistant to work on care and curation of specimens in the Department, under the direction of curators and management staff. The successful applicant will assist in collection moves, and specimen cleaning and maintenance. They will participate in specimen database entry and verification, processing information requests, and assisting visitors. In addition to these collection care activities, the scientific assistant will be involved with data collection and library research in support of the curators' research projects. A BA/BSc in biology or related field is required; computer skills and a background in systematics and/or vertebrate morphology are desirable, as is experience of working in a museum environment. Interested applicants should send their resumes to Dr. Nancy Simmons, Curator-in-Charge, Department of Mammalogy, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024. There is no closing date for applications; the position will remain open until a suitable applicant has been identified.

CALENDAR OF EVENTS

The Calendar of Events is maintained by Christine Chandler of the Documentation Committee. Application deadlines, conferences and symposium relevant to collection management, computerization and conservation of natural history collections are listed. Notices may be submitted to Christine at Division of Vertebrate Paleontology, Peabody Museum of Natural History, 170 Whitney Ave., PO Box 208118, New Haven, CT 06520-8118; (203) 432-3748 (voice); (203) 432-9816 (fax); christine.chandler@yale.edu (email).

September, 2000

September 16, 2000. Collections Care for the Historic House Museum. Campbell Center, Collection Care Course. For details check out the Campbell Center web site: <http://www.campbellcenter.org/courses>.

September 18 – 19, 2000. Management of University Museums, Finnish Cultural Centre, Paris. Full information and registration forms available at <http://www.oecd.org/els/pdfs/lmhe/docs/museum.pdf>.

September 18 - 20, 2000. School for Scanning: Seattle, presented by the Northeast Document Conservation Center. For information, see the NEDCC web site at www.nedcc.org. Direct conference inquiries and questions to Jamie Doyle at jdoyle@nedcc.org (email). Questions concerning registration procedures should be directed to Ginny Hughes at ghughes@nedcc.org (email).

September 18 – 23, 2000. Museums at the Crossroads Workshop. Contact: Joy Davis, Program Director, Cultural Resource Management Program, Div. of Continuing Studies, Univ. of Victoria; (250) 721-8462 (voice); (250) 721-8774 (FAX); joydavis@uvcs.uvic.ca or visit our web site at www.uvcs.uvic.ca/crmp.

September 20 – 22, 2000. Developmental Genetics and Plant Evolution. Systematic Association (UK) Conference, Natural History Museum, London, UK. Contact Lynn Sanders, NHM, lms@nhm.ac.uk. For further details see: <http://www.icmb.ed.ac.uk/research/cronk/conference/conference.html>.

September 21 – 23, 2000. Assessment, Redemption and Prevention of Mold Growth in Buildings – A Symposium, MidAtlantic Environmental Hygiene Resource Center, Baltimore, Maryland USA. For information, contact MEHRC: (215) 387-4096 (voice); mehrc@ucsc.org (email); or visit www.libertynet.org/mehrc/whatsnew.htm.

September 21 – 23, 2000. Computer Software for Collections Management. Campbell Center, Collection Care Course. NEH scholarships available. For details check out the Campbell Center web site: <http://www.campbellcenter.org/courses>.

September 21 – 23, 2000. Care of Book Collections. Campbell Center, Collection Care Course. For details check out the Campbell Center web site: <http://www.campbellcenter.org/courses>.

September 21 – 23, 2000. Cleaning Systems for Wooden Artifacts. Campbell Center, Collection Care Course. For details check out the Campbell Center web site: <http://www.campbellcenter.org/courses>.

September 21 - 22, 2000. Preservation Administration at the Northeast Document Conservation Center facility in Andover, Massachusetts. Cost is \$500 for series of five workshops. If you have questions, contact Karen Brown, Northeast Document Conservation Center, 100 Brickstone Square, Andover, MA 01810; (978) 470-1010 (voice); kebrown@nedcc.org (email).

September 21 – 23, 2000. Care of Oversize Paper Artifacts. Campbell Center, Collection Care Course. NEH scholarships available. For details check out the Campbell Center web site: <http://www.campbellcenter.org/courses>.

September 22 - 28, 2000. XIV International Conference on Archives: Archives of the Information Society in the New Millennium, Seville, Spain. See the ICA web site at <http://www.archives.ca/ica>, or contact: International Council on Archives, 60 rue des Francs-Bourgeois, F-75003 Paris, France; 100640.54@compuserve.com (email).

September 25, 2000. Preservation Management of Audiovisual Collections at the Historic New Orleans Collection, New Orleans, Louisiana USA, sponsored by SOLINET. For more information or to register, contact Erica Waller at (800) 999-8558 (voice); erica_waller@solinet.net (email); or visit www.solinet.net.

September 27 – 30, 2000. 6th International Cave Bear Symposium, O Castro, Spain. For more information, see: cavebear@udc.es.

September 30, 2000. Closing date for SPNHC Members-at-Large nominations. For information, contact committee chair Richard Rabeler at University of Michigan Herbarium, 1205 N. University Ave., Ann Arbor, Michigan USA 48109-1057; (734) 647-2811 (voice); (734) 647-5719 (fax); rabeler@umich.edu (email). Nominations must be in writing.

October, 2000

October 3-5, 2000. Northeast Document Conservation Center presents Preservation Options in a Digital World: To Film or To Scan, A Seminar on Preservation Microfilming and Digital Imaging of Paper-Based Materials, at the New York State Library, cultural Education Center, Albany, New York USA. For information, see NEDCC's web site at www.nedcc.org.

- October 4 – 6, 2000. The 8th Dublin Core Metadata Workshop, National Library of Canada, Ottawa, Canada. Check out the web site: <http://www.ifla.org/udt/dc8/call.htm>.
- October 4 – 7, 2000. Mountain-Plains Museums Association annual meeting, Museums: the Core of Discovery, Bismarck, ND. Robert M. Brown, Historical Museum at Fort Missoula, Bldg. #322, Fort Missoula, Missoula, MT 59804; (406) 728-3476 (voice); ftmslamuseum@montana.com (email).
- October 7, 2000. Historical Patterns of Biodiversity, A. Watson Armour III Annual Symposium, Field Museum, Chicago, Illinois USA. For additional information, <mailto:symposia@fmnh.org>.
- October 10 - 14, 2000. IIC 50th Anniversary Congress: Tradition and Innovation: Advances in Conservation, Melbourne, Australia. See <http://www.natmus.dk/cons/iic/conferences/melbrn/melbrn.html> for details, or contact: IIC – Buckingham St., London, WC2N 6BA, UK; +44 (0)20 7976 1564 (fax).
- October 11 – 14, 2000. Southeastern Museums Conference 2000 Annual Meeting, Knoxville, TN USA. Contact: Shelley Ritter, Curator, MS Dept. of Archives & History (601) 359-6901 (voice); (601) 359-6981 (fax).
- October 11 – 14, 2000. Conference 2000 – Designing the Future Together, an on-line learning opportunity being held in conjunction with the joint meeting of the Western Museums Association and the British Columbia Museum Association in Victoria, British Columbia, Canada. Registration materials are available on the web at <http://www.uvcs.uvic.ca/crmp>.
- October 15 – 20, 2000. International Conference on Digital Printing Technologies, sponsored by the Society for Imaging Science & Technology, Vancouver, BC Canada.
- October 15 – 21, 2000. Non-Destructive Testing: 15th World Conference, Rome, Italy. Contact: Roma 2000, G. Nardoni, President ICNDT, Via A. Foresti 5, I-25 127 Brescia, Italy; aipnd@mail.protos.it (email).
- October 16 – 17, 2000. The Facets of Digital Reference, Virtual Reference Desk (VRD) 2000 Digital Reference Conference. For information, see : <http://www.vrd.org>.
- October 19 – 22, 2000. The Stewart Museum Globe Symposium, Stewart Museum, Ile Sainte-Helene, Montreal, Quebec Canada. Contact the globe symposium secretary: Nadia Hammadi at the Stewart Museum, P. O. Box 1200, Station A, Montreal (Qc), H3C 2Y9, Canada; nhammad@stewart-museum.org (email); (514) 861-6703 (voice); (514) 284-0123 (fax).
- October 20, 2000. Object Numbering: Accession Labeling for Museum Objects and Cultural Artifacts, Williamstown Art Conservation Center's Office of Preservation Outreach workshop, Clark Art Institute, Williamstown, Mass. USA. For more information, contact Lori van Handel at WACC: (413) 458-5741 (voice); wacc@clark.williams.edu (email).
- October 21, 2000. Identification and Preservation of Photographic Materials, Williamstown Art Conservation Center's Office of Preservation Outreach workshop, location TBA, western New York USA. For more information, contact Lori van Handel at WACC: (413) 458-5741 (voice); wacc@clark.williams.edu (email).
- October 23 – 27, 2000. Workshop on Global Priorities for Coelacanth Research and Conservation in the 21st Century, Bali International Convention Center, Denpasar, Indonesia, a mini-symposium of the 9th International Coral Reef Symposium (9ICRS). See <http://www.nova.edu/ocean/9icrs> for information.
- October 24 – 26, 2000. The International Conference on Conservation, Krakow, Poland. Contact: Zbigniew Wiklacz, Instytut Historii Architektury, 31-002 Krakow, Poland.
- October 25 – 27, 2000. The Real Thing: The Work of Museums in the New Millenium, New England Museum Association Conference, Portland, Maine USA. Check out details at NEMA's web site: <http://www.nemanet.org>.
- October 25 – 28, 2000. 60th Annual Meeting of the Society of Vertebrate Paleontology, Mexico City, Mexico. Check SVP's web site for details: <http://www.museum.state.il.us/svp/>.
- October 26 – 27, 2000. Developments in the Technology of Digital Printing: Preservation and conservation Issues for Libraries, Archives, and Museums, London. Technical & research papers are invited. Contact: Dr. Anthony W. Smith, Camberwell college of Arts, Wilson Road, London SE5 8LU; +44 207 514 6427 (phone); 514 6405 (fax); a.w.smith@camb.linst.ac.uk (email).
- October 30 – November 3, 2000. Preserving Large and Diverse (Natural History) Collections, C0103. Contact the Don Williams (Instructor) at williamsd@scmre.si.edu (email) for more information.

November, 2000

- November 1 – 3, 2000. Project Management: Getting Things Done or Getting the Outcomes You Want, Seattle, Wash. USA. Information available at: <http://www.arl.org/training/regform.html>; training@arl.org (email); (202) 296-8656 (voice); (202) 872-0884 (fax).
- November 5 – 16, 2000. Winedale Museum Seminar on Administration & Interpretation, Winedale Historical Center, Univ. of Texas, Texas USA. Contact: Kit Neumann, Seminar Coordinator, Texas Historical Commission; PO Box 12276 Austin TX 78711, (512) 463-5756 (voice); kit.neumann@thc.state.tx.us.
- November 6, 2000. Preservation and Re-housing of Three-Dimensional Museum Objects, Williamstown Art Conservation Center's Office of Preservation Outreach workshop in association with the annual meeting of Maine Archives & Museums, Augusta, Maine USA. For more information, contact Lori

van Handel at WACC: (413) 458-5741 (voice); wacc@clark.williams.edu (email).

November 6 – 10, 2000. Prevention of Hazards in Storage Areas, Prevention 2000 International Conference, Draguignan, France.

November 8, 2000. Preservation and Re-housing of Three-Dimensional Museum Objects, Williamstown Art Conservation Center's Office of Preservation Outreach workshop, Centre Culturel du Mont Carmel, Lille, Maine USA. For more information, contact Lori van Handel at WACC: (413) 458-5741 (voice); wacc@clark.williams.edu (email).

November 10 – 12, 2000. Taxonomic Databases Working Group (TDWG) Annual Meeting: Digitizing Biological Collections, Senckenberg Museum, Frankfurt, Germany. For further information, check TDWG's web site: <http://www.tdwg.org>.

November 10 - 12, 2000. Envisioning the Past: Constructing Knowledge through Pictorial Traditions of Representations, University of Southampton, UK. Visit our web site at: <http://www.arch.soton.ac.uk/DeptStuff/representation.htm>.

November 13 - 15, 2000. 3rd Conference on Partnership Opportunities for Federally Associated Collections, Austin, Texas. For more information contact: Texas Association of Museums, 3939 Bee Caves Rd., Bldg. A, # 1B, Austin, TX 78746 USA; <http://www.io.com/~tam/doicall.html>; (512) 328-6812 (voice); (512) 327-9775 (fax); tam@io.com (email).

November 13 – 17, 2000. First session in Rutgers University's biennial Preservation Management Institute. Contact: Karen Novick, Dir. Professional Development Studies, School of Communication, Information & Library Studies, Rutgers Univ., 4 Huntington St., New Brunswick, NJ 08901-1071 USA; (732) 932-7169 (voice); (732) 932-9314 (fax).

November 16, 2000. Bugging Out: Integrated Pest Management, C0106. Contact Dianne van der Reyden at vanderryden@scmre.si.edu for more information.

November 18, 2000. Preservation and Re-housing of Three-Dimensional Museum Objects, Williamstown Art Conservation Center's Office of Preservation Outreach workshop at the annual meeting of Western New York Association of Historical Agencies, Batavia, New York USA. For more information, contact Lori van Handel at WACC: (413) 458-5741 (voice); wacc@clark.williams.edu (email).

December, 2000

December 1 - 3, 2000. 3Day UCLA Extension Course in Document Imaging – Document Management. Check UCLA Extension Catalog at <http://www.UnEx.UCLA.edu/catalog> for details. Call +1 (310) 937-700 for questions about course content & +1 (310) 825-4100 for enrollment questions. For those who cannot attend, class material are available free at <http://www.ArchivesBuilders.com>.

December 4 - 8, 2000. 4th International Conference on Mineralogy and Museums, Melbourne, Australia. Contact William D. Birch, bbirch@mov.vic.gov.au (email).

December 18 – 21, 2000. International Conference on Biodiversity and Bioresources of the Urals and Adjacent Territories. Contact omic@mail.oris.ru (email) or ibrae@ospu.esoo.ru (email) for information.

January, 2001

January, 2001. BCG: Documentation. Training meeting. Contact: Nick Gordon, New Walk Museum, New Walk, Leicester, LE1 7EA or 0116 247 3030 (voice).

January 3 – 7, 2001. Joint TCS & SICB Meeting, Chicago, Illinois, USA. See The Crustacean Society web page for details: <http://www.lam.mus.ca.us/~tcs/framdex.htm>.

January 5 – 6, 2001. AAM Leadership Series: CEOs and Governance, San Diego, California USA.

January 24 – 30, 2001. Jekyll Island Management Institute, Jekyll Island, Georgia USA, sponsored by the Southeastern Museums Conference (SEMC). For details, contact LaPaglia and Associates at (615) 890-4887 (voice); (615) 895-8309 (fax) or the SEMC Central Office at (225) 383-5043 (voice); (225) 343-8669 (fax); <http://www.SEMCdirect.org>.

January 25 - 27, 2001. 3Day UCLA Extension Course in Document Imaging – Document Management. Check UCLA Extension Catalog at <http://www.UnEx.UCLA.edu/catalog> for details. Call +1 (310) 937-700 for questions about course content & +1 (310) 825-4100 for enrollment questions. For those who cannot attend, class material are available free at <http://www.ArchivesBuilders.com>.

March, 2001

March 22 – 24, 2001. Legal Problems of Museum Administration, AAM Professional Education Program, Washington, DC USA. For information, contact American Law Institute – American Bar Association, Courses of Study; (800) 253-6397 ext. 1630 or (215) 243-1630 (voice); <http://www.ali-aba.org>

April, 2001

April 16, 2001. NEH Consultation Grants deadline. For guidelines or more information, contact: Division of Public Programs at (202) 606-8267 (voice); publicpgms@neh.gov (email) or visit the NEH web site at <http://www.neh.gov>.

May, 2001

May, 2001. Museum Accessioning and Registration Course, a 3-day Oklahoma Museums Association (OMA) training program for small museums in Oklahoma. Contact: OMA, 2100 N.E. 52 St., Oklahoma City, OK 73111 USA; (405) 424-7757 (voice); oma@ionet.net (email).

May 6 – 10, 2001. AAM Annual Meeting, St. Louis, Missouri.

May 29 - June 4, 2001. AIC Annual Meeting, Dallas, Texas.

June, 2001

June 21 - 26, 2001. 16th Annual Meeting of the Society for the Preservation of Natural History Collections. California Academy of Sciences, San Francisco, California. Contact Local Committee Chair Jean Demouth (jdemouth@calacademy.org) for further information.

June 26 - July 1, 2001. 7th North American Paleontology Convention hosted by the Museum of Paleontology at the University of California, Berkeley. Preliminary information is available at <http://www.ucmp.berkeley.edu/napc/NAPC2001.html>.

July, 2001

July 2 – 5, 2001. African Entomology 2001, 13th Entomological Congress organized by the Entomological Society of Southern Africa, Pietermaritzburg, KwaZulu-Natal.

July 2 – 6, 2001. Legumes Down Under, 4th International Legume Conference, Australian National Museum – Manning Clark Center, Canberra, Australia. For more information: www.science.uts.edu.au/sasb/legumes.html (web); legumes@ausconvservices.com.au (email); (02) 6257 3299 (Int. +61 2) (voice); (02) 6257 3256 (Int. + 61 2) (fax).

July 16 – 20, 2001. Joint Conference Society of Australian Systematic Biologists (SASB) & Australian Evolution Society (AES), University of Melbourne & Museum Victoria, Melbourne, Australia.

August, 2001

August 12 - 16, 2001. Joint Meeting of the American Bryological & Lichenological Society (ABLS), American Fern Society (AFS), & American Society of Plant Taxonomists (ASPT), Albuquerque Convention Center, Albuquerque, New Mexico, USA.

August 26 – 31, 2001 (tentative). III International Meeting on Mesozoic Fishes, Systematics, Paleoenvironments and Biodiversity, Serpiano, Switzerland. Contact: Prof. Andrea Tintori, Dip. Scienze della Terra, Università degli Studi di Milano, Via Mangiagalli 34, I-20133 Milano; +39.02.23698202 (voice); +39.02.70638261 (fax); andrea.tintori@unimi.it (email).

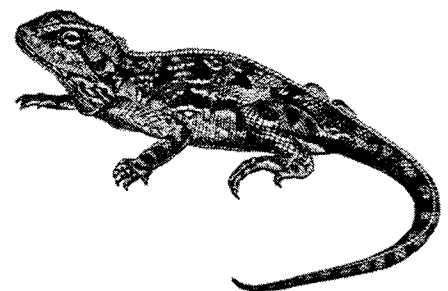
September, 2001

September, 2001. An International Conference on the History and Future of Conservation (no formal title yet) will be held in the Education Centre of the Great Court of the British Museum. Abstract submission deadline is May 31st, 2000. Advice on abstract suitability may be had by contacting waoddy@british-museum.ac.uk (email).

Summer, 2002

Summer, 2002. 17th Annual Meeting of the Society for the Preservation of Natural History Collections. Redpath Museum, Montreal, Quebec, Canada. Registration costs will probably not exceed \$125 CAN. Co-organized with the Canadian Museum of Nature and focussing on the theme of Biodiversity, these meetings will span 3 - 4 days. 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).

September 22 –28, 2002. ICOM triennial meeting, Hotel Gloria, Rio de Janeiro.



Officers ♦ Council Members ♦ Committee Chairs ♦ Representatives

EXECUTIVE COUNCIL

President: Suzanne B. McLaren (mclarens@clpgh.org)
President-Elect: Robert H. Huxley (r.huxley@nhm.ac.uk)
Past President: Sally Y. Shelton (shelton.sally@nsmh.si.edu)
Treasurer: Lisa F. Palmer (palmer.lisa@nsmh.si.edu)
Secretary: Elana Benamy (benamy@say.acnatsci.org)
Managing Editor: Janet B. Waddington (janetw@rom.on.ca)

MEMBERS-AT-LARGE

1998-2001: William Gannon (wgannon@unm.edu)
1998-2001: Ryntha Johnson (rjohnson@dmns.org)
1999-2002: Cindy Ramotnik (ramotnik@unm.edu)
1999-2002: Jim Solomon (jsolomon@lehmann.mobot.org)
2000-2003: Paula Work (pwork@cincymuseum.org)
2000-2003: Gretchen Anderson (gretcha@smm.org)

STANDING COMMITTEES

Archives: Robert D. Fisher (fisher.robert@nsmh.si.edu)
Awards & Recognition: Steven Krauth (krauth@entomology.wisc.edu)
Bylaws: Sally Y. Shelton (shelton.sally@nsmh.si.edu)
Conference: Robert H. Huxley (r.huxley@nhm.ac.uk)
San Francisco 2001: Jean DeMouthe (jdemouthe@casmal.calacademy.org)
Montreal 2002: Ingrid Birker (ibirker@hotmail.com)
Conservation: Lisa Kronthal (kronth@amnh.org) & Jude Southward (jsouthward@dmns.org)
Citations: Paula T. Work (ptwork@fuse.net)
Fluids Assessment: Gene K. Hess (hessgk@delmnh.org)
Research: David von Endt (dve@scmre.si.edu)
Resources (RDU): Cindy Ramotnik (ramotnik@unm.edu) (US) & Janet Waddington (janetw@rom.on.ca) (Canada)

Documentation: Tim White (tim.white@yale.edu)

Legal Issues: Holly McEntee (hmcentee@facstaff.wisc.edu)

NHCOLL-L List Owner: Tim White (tim.white@yale.edu)

Education & Training: Iris A. Hardy (hardy@agc.bio.ns.ca)

Election: Rich Rabeler (rabeler@umich.edu)

Executive: Suzanne B. McLaren (mclarens@clpgh.org)

Finance: Stephen L. Williams (steve_williams@baylor.edu)

Membership: Jane MacKnight (jmacKnight@cincymuseum.org) & Jane Mygatt (jmygatt@unm.edu)

Publications: Janet B. Waddington (janetw@rom.on.ca)

Newsletter Editor: Tim White (tim.white@yale.edu)

Technical Leaflet Editor: Mary Anne Andrei (andr0309@tc.umn.edu)

Webmaster: Jon Greggs (greggs@geo.ucalgary.ca)

SESSIONAL COMMITTEES

Professionalism: Elizabeth E. Merritt (74437.462@compuserve.com)

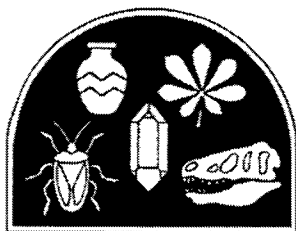
Society Representatives

AIC: Carolyn L. Rose (rose.carolyn@nsmh.si.edu)

Heritage Preservation: David Von Endt (dve@scmre.si.edu)

Registrars Committee, AAM: Elizabeth E. Merritt (74437.462@compuserve.com)

WCCR: Grant W. Hughes (gwhughes@rbml01.rbcm.gov.bc.ca)



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

Visit SPNHC at www.spnhc.org!

Future Sites of our Annual Meetings

2001 ♦ *California Academy of Science* ♦ *San Francisco, California*

2002 ♦ *Redpath Museum - McGill University* ♦ *Montreal, Quebec*