

SPNHC NEWSLETTER

*Society for the Preservation
of Natural History Collections*

*February 1991
Volume 5, Number 1*

1991 ANNUAL MEETING CANADIAN MUSEUM OF NATURE, OTTAWA MAY 6-11

The Canadian Museum of Nature invites you to come to Ottawa, capital of Canada, for what should prove to be another in the tradition of exciting SPNHC conferences. Circulars containing registration and accommodation information as well as abstract forms have been sent to all members. Also included in the packet is registration for the two day conservation workshop. Plans for the conference and workshops are well underway.

Accommodations can fill-up in Ottawa in the Spring so book early. Send in your registration and abstracts so that the program committee can make final preparations.

There are some important facts and dates you should note:

March 15 - Last day for advanced registration

March 15 - Last day for abstracts to be submitted

April 1 - Last day that Ottawa University will hold the block reservation of rooms; tel: (613) 564-3463 [Check-in at Ottawa University residence hall is after 4:30pm, but storage space is available for luggage].

April 15 - Last day that the Venture Inn will hold the block reservation of rooms; tel: (800) 887-3933 or (613) 237-5500

For additional information contact: Jerry Fitzgerald (613) 954-0358.(#1)

We look forward to seeing you in Ottawa.

..... Local Conference Committee

1992 MADRID SYMPOSIUM

The International Symposium on the Preservation and Conservation of Natural History Collections is planned for May 10-15, 1992. The scientific program committee continues to develop the program, and is generating world-wide interest and support. There are presently thirty international organizations/institutions associated with the program. Carolyn Rose and Frank Howie have been instrumental in coordinating the activities of the scientific program committee. There will be general sessions addressing international problems, current initiatives, and future directions and strategies as well as technical course sessions devoted to such topics as preventive conservation, health and safety, pest control, and museum environmental control. If you wish to assist in the planning or participate in the scientific program, contact Carolyn (#4) or Frank (#5). For information about the symposium as a whole, contact Cesar Romero-Sierra. (#6)

CANADIAN CONSERVATION INSTITUTE TRAINING WORKSHOP MAY 10-11

Practical Approaches to Preventive Conservation for Natural History Collections, a CCI workshop, will be held Friday and Saturday, May 10-11 as part of the SPNHC Annual Meeting. CCI will present a workshop that unifies ideas, needs, and activities in preventive conservation, disaster planning, museum environmental control, and remedial conservation.

Course participants will learn how to assign conservation priorities, allocate conservation resources, and organize conservation surveys. The sessions will define nine agents of deteriorations and describe the risk of each agent to collections.

Information on prevention of damage is organized around five control stages: avoid, detect, block, respond, and recover. Concepts will be related to three levels of control: buildings, hardware, and procedures.

There will be current information on rates of deterioration; working toward a risk-management approach to preventive conservation.

For additional information, contact Tom Strang (613) 998-3721. (#3)

1992 ANNUAL MEETING LINCOLN, NEBRASKA

Plans have begun for the Seventh Annual Meeting which will be held at University of Nebraska State Museum, 1-6 June 1992. There will be a conservation workshop on Pest Management as well as field trips. The Local Committee welcomes suggestions for symposia topics, workshops, and field trips. Accommodations will be in air-conditioned University dormitories with hotel accommodations optional. For further information, contact Charlie Messenger. (#7)

RESOURCES COMMITTEE

Computer and Computer Use Subcommittee

Is anyone interested in having a Computer Applications Column appear regularly in the Newsletter? The column would be a place for members to share solutions to problems encountered with automating the data associated with natural history collections. The problems may pertain to hardware or software as long as they are relevant to natural history collections. If you have a contribution, please mail it to Susan M. Woodward. (#8)

SOCIETY NEWS

Charge Card Payments Now Accepted

As of 14 December 1990, SPNHC has been able to accept dues payments by bank card (Mastercard and Visa, only). This new service will be convenient for both U.S. and foreign members. Some members may be unfamiliar with the convenience of using bank cards for international purchases. The transaction is executed in US dollars and the bank card company uses the exchange rate as of the day of transaction. Experience has shown that this rate is fair and free of special service charges. Because of our non-profit status, start-up charges and monthly fees were waived by our bank.

To use this service, members should send the following information to the Treasurer (#2):

- cardholder's signature
- cardholder's name printed
- payment (dues) amount
- bank card name, card number and date of expiration
- member's name, if different from the cardholder's.

Missing Member Sought

Issues of Collection Forum and the Newsletter have been returned for Mark Fenn. If you know his current address, please contact Sue McLaren, Treasurer. Members please send your changes of address to the Treasurer. (#2)

SPNHC Members Directory

Post Office Changes Address Format

You may notice that your current address label is different. The Postal Service has instituted a number of changes to accommodate Optical Character Readers; all letters must be in caps; no punctuation is permitted; their standard abbreviations must be used; zipcode + 4 is required for domestic mail, if bulk mailing rates are to be used. Also, both a street address and a P.O. Box number are prohibited in the same address. If there is anything about your address, as shown on this Newsletter label, which will misdirect your mail, please send a correction to Sue McLaren (#2) at your earliest convenience.

We hope to prepare a Members Directory during 1991. Your new address format will be used and in addition, telephone and FAX numbers will be included. If you did not include these numbers on your dues renewal form and would like them included in the Directory, please send them to Sue McLaren. (#2)

ROYAL TYRRELL MUSEUM

The "royal" title was granted to the Tyrrell Museum of Palaeontology by Her Majesty Queen Elizabeth II during her visit in June 1990 to Alberta. Royal Tyrrell is the third museum in Canada to be given this honor.

COMPUTER APPLICATIONS

Location Accuracy Code

A Location Accuracy Code can facilitate the production of distribution maps. By plotting reliable locality data only or by using different characters to symbolize the varying degrees of accuracy found in locality data, the differential reliability of data may be illustrated. Mapping using computers is becoming an affordable reality (e.g. SAS, Statistical Analysis System) and Location Accuracy Codes can be used to allow the computer to make the same decisions as a human plotter.

The actual assignment of co-ordinates from a gazetteer presents a number of problems. Co-ordinate accuracy will vary between large and small communities. Temporal changes occur in community size. There will always be a difference in co-ordinates between the actual collection site and the location to represent the co-ordinates for the community. Certain assumptions are thus necessary to permit the development of a straightforward, yet meaningful, Location Accuracy Code. The Code presented assumes:

- 1) Co-ordinates for the locality name given in the current gazetteer (a standard gazetteer should be decided upon) are assumed to be those of the exact location at which the specimen was collected.
- 2) The co-ordinates appearing in a gazetteer for a large city are assumed to describe the specimen collection site as accurately as those for a small community or small geographic feature.

I have developed a single letter code that is used to designate the Location Accuracy of co-ordinates for specimens housed in the mammal collection at the Royal Ontario Museum.

Code Definition

- G Co-ordinates obtained from a gazetteer. The co-ordinates apply to a locality within 2 kilometers or 1 mile of the site the specimen was actually collected.
- M Co-ordinates obtained from a map, directly from the collector's notes or field catalogue. It is assumed that the co-ordinates supplied by a collector were obtained from accurate topography or road maps.
- U Co-ordinates obtained from a gazetteer where there are multiple sets of co-ordinates listed for a specific locality thus accuracy is unknown.
- V Co-ordinates are for a vague/imprecise locality for which precise co-ordinates cannot be obtained. This code is used for localities such as a body of water (lake, bay, river, stream), valley, ridge, township, park, regional municipality or if the locality is stated as being between two locality names. This code may also be used for co-ordinates that are from unknown origin.
- blank Co-ordinates unknown or the locality co-ordinates have not been found in previous searches.

..... Susan M. Woodward, Royal Ontario Museum
 Editor's note: Howard Hegstad in an article in the December, 1990, ASC Newsletter 18(6):90 deals with a similar problem. He proposes a) standardizing geographic references in systematic collections using longitude and latitude, and b) a Coordinate Precision Index (range 1-9) which is based on the accuracy of the given locality data.

CIMI Conferencing and Communications System Announced

With the cooperation of the Museum Computer Network (MCN), the CIMI (Computer Interchange of Museum Information) committee has established an electronic mail and conferencing system as part of the Telecommunications Cooperative Network's (TCN) Electronic Village. TCN provides a large number of non-profit organizations with electronic mail, conferencing and bulletin-board services and is the host of the AAM Communications Network.

MCN and CIMI agreed to establish and operate the communications system to facilitate the discussions of the committee during its development of a communications protocol for the exchange of museum information and to allow greater participation by the museum community in the work of CIMI. MCN will first use the system to enhance communications capabilities for the Board of Directors, hoping later to add features of interest to the general membership.

The conferences established will include the technical issues under investigation, discussions on the functional requirements of a data exchange protocol, and a forum where cumulative minutes of the meetings can be reviewed at leisure, allowing new participants access to prior discussions.

Easy access to CIMI Conferencing and Communications system is available throughout North America and elsewhere internationally by contacting me.

..... John Perkins, Halifax, Nova Scotia (#9)

MID-CONTINENT UNIVERSITY SCIENCE MUSEUM CONSORTIUM

It was our pleasure to host about thirty staff members from six university science museums in Lincoln, Nebraska, 6-8 December 1990. We had an excellent three days of discussions about the problems and joys of working in university museums.

The main thrust of the meeting was to see if there was enough common interest and common ground among our public programs on which to build a consortium to pursue NSF funds. Two areas were identified for further discussion and development. Committees established to continue planning in these two areas are: Teaching Training which will meet March-April, 1991 in Boulder, Judy Diamond, Chair (#10); and Traveling Exhibits which will meet March-April, 1991 in Lincoln, Peter Tirrell, Chair. (#11)

Anyone wishing to serve on these committees (especially staff from Mid-west museums not at the Lincoln meeting) may contact the Chairs for exact meeting sites and dates. We do encourage more participation.

We agreed that our next consortium meeting will be in Lawrence, Kansas, at the Museum of Natural History. Phil Humphrey will be the host. A date between Thanksgiving and Christmas will be announced.

..... Hugh H. Genoways and Judy Diamond,
University of Nebraska State Museum

NEW COURSES

Interdisciplinary Museum Studies Program, University of Nebraska, Lincoln provides academic training to students wishing to pursue professional careers within museums. Students will be prepared for positions such as collection managers, curatorial assistants, preparators, registrars, museum and outdoor educators, archives managers, exhibition designers and technicians, planetarium managers, curators and administrators. The program brings together eight separate University units and 23 cooperating Nebraska institutions. To receive application materials for the M.A./M.S. program, please contact: Graduate Admissions, 301 Administration Bldg, University of Nebraska-Lincoln, Lincoln, NE 68588; tel: (402) 472-2878. Applications are due March 1. To receive additional information about the graduate program, contact: Hugh Genoways, Chair, Museum Studies Program. (#12)

Management & Career Development for Heritage Professionals offers Postgraduate Diplomas, Masters and Research Degrees in Heritage Management and Industrial Archaeology from the Ironbridge Institute, University of Birmingham, UK. The one year full-time course or up to four years part-time or modular courses are suitable for museum professionals, parks, monuments, architecture, conservation, tourism and planning staff. For information contact: Janet Markland (Dept A). (#13)

ROYAL BRITISH COLUMBIA MUSEUM

During 1991 and 1992 we will be packing and moving our anthropological, biological and historical collections to allow for removal of asbestos in our collections building. During this time some of our artifacts and specimens will be inaccessible. We will meet all our existing commitments regarding loans and research access and will endeavour to meet any additional requests. Our exhibits building will remain open to the public.

Royal British Columbia Museum
675 Belleville Street
Victoria, B.C. V8V 1X4 Canada

Loans and research contact: Grant W. Hughes, Assistant Director, Collection Program, (604) 387-5706.

For further details contact: Tom Palfrey, Promotions Coordinator (604) 387-2134.

MATERIALS FOR CONSERVATION: A SUMMER COURSE

In July 1990, I attended a short course at the Institute of Archaeology, University College, London. The course, *Materials for Conservation*, was taught by Velson Horie (University of Manchester). It was organized to reflect the material contained in his book of the same title (Butterworth, publisher), and was as challenging and interesting a course as could possibly be squeezed into five full days.

The "materials" referred to are the polymers used in conservation work: the consolidants, adhesives and plastics which are in common use in museums. Almost all the products so used are designed for some other purpose (usually industrial) and may have undesirable long-term or secondary effects on museum objects. The course focussed on the chemical structure of some common polymers, their changes over time, and the laboratory assessment of their properties.

This course was tremendously beneficial to the participants who represented a wide range of professional backgrounds and national alliances. Horie's book is also a valuable source of information on this subject. The use of polymeric materials is widespread; the knowledge of their potential effects is not. Too often, the application has been made and the damage is irreversible before anyone thinks to check the nature of the polymer.

As was repeatedly mentioned in the course lectures, museum professionals are essentially using materials which were never designed to be used on museum objects. The purposes for which many polymers were designed may be at odds with the purposes of preserving museum objects. It is best to know what you are using and why, to use the reversible rather than the irreversible if at all possible, and to document both the chemical makeup and the current proprietary name of the material used. For human health and safety concerns, it is necessary to obtain and read a Material Safety Data Sheet on any substance used on museum objects, and to arrange for adequate worker protection if a potentially dangerous polymer must be used.

At the beginning of the course, I regretted not having paid more attention in undergraduate chemistry; at the end, and now, I want to know more about what we are using on objects and why. We are paying dearly for the indiscriminate use of all sorts of polymeric materials on all kinds of museum objects and specimens. Anyone who has ever lost a collection of cellulose nitrate film stock, or watched a "clear" coating turn dark yellow, or tried to remove old unidentified adhesives which have pulled an object apart as they shrank, needs to read Horie's book carefully. It's the next best thing to being there.

..... Sally Shelton, Texas Memorial Museum

NPS ISSUES REGULATIONS FOR THE PRESERVATION AND MANAGEMENT OF FEDERAL ARCHAEOLOGICAL COLLECTIONS

On September 12, 1990, the National Park Service issued a new regulation entitled *Curation of Federally-owned and Administered Archeological Collections*. The final regulation, which became effective on October 12, 1990, appears in the Code of Federal Regulations as Part 79 of Title 36.

The new regulation will foster improvements in the way Federal agencies care for collections of prehistoric and historic archaeological remains, and associated records, that are excavated or removed in conjunction with their projects and programs. Those collections often are the only remaining evidence of places and events significant to our nation's prehistory and history because the actual archaeological or historic site has been destroyed.

The regulation (1) sets forth the responsibilities of Federal agencies to manage and preserve collections; (2) identifies methods for Federal agencies to use to secure curatorial services; (3) identifies methods for Federal agencies to fund curatorial services; (4) sets forth terms and conditions for Federal agencies to include in contracts, memoranda, agreements and other written instruments with repositories for curatorial services; (5) establishes standards for Federal agencies to use to determine when a repository has the capability to provide long-term curatorial services; (6) sets forth guidelines for using collections; and (7) sets forth procedures and guidelines for conducting periodic inspections and inventories of collections.

On September 12, 1990, the National Park Service also issued for public review and comment a proposed regulation that would amend 36 CFR Part 79 in two respects. One amendment would establish procedures for Federal agencies to provide information on the disposition of collections and copies of certain records to pertinent State officials and other appropriate parties. The other amendment would establish procedures for Federal agencies to discard, under certain circumstances, particular material remains that may be in collections that are subject to Part 79.

Copies of the final regulation and the proposed amendments are available at no charge from the Departmental Consulting Archeologist, National Park Service, Department of the Interior, P.O. Box 37127, Washington, D.C. 20013-7127. The deadline for submitting comments on the proposed amendments was December 11, 1990. For further information, contact Francis P. McManamon at (202) 343-4101. For government FTS lines, do not use the area code.

SPECIMEN CONSERVATION

As discussed in "Natural History Conservation", no. 4(1989) pages 3-5, planning for the conservation of specimens needs knowledge about the numbers, types and requirements of the specimens. There is little hard information to back up the scattered personal experience of those caring for natural science collections. As a first step in addressing this question, I have gathered data on collections relating the category of specimen to the date of collection, i.e. the length of time it has been preserved. This may be correlated with the physical well being of the specimen, though the relationship has yet to be tested.

Information has been gathered from collections whose data are available in machine readable form. Some collections have achieved nearly 100% data capture while most others have far less. Data capture is only partial and idiosyncratic. The data have been amalgamated and summarised in the accompanying graphs, which show the considerable difference between collections, and presumably their problems, in contrasting countries, the United Kingdom and Australia. No data have been gathered from N. America and very little from the rest of the world.

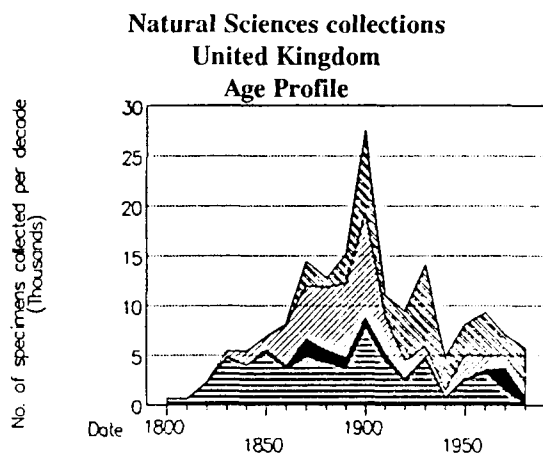
I am therefore requesting help. If you have or know of specimen data that can be easily abstracted in the form of number of specimens per decade (e.g. 1900-1909), I should be pleased to add the information to the data bank. The data are being collected in the smallest convenient subdivisions, for example, vertebrate data are divided into categories of reptiles, fish, mammals etc, and study skin, mounts, skeletal, spirit etc. Similar subdivisions are made in botany and earth sciences (including rocks, minerals and fossils).

BIODIVERSITY AND COLLECTIONS

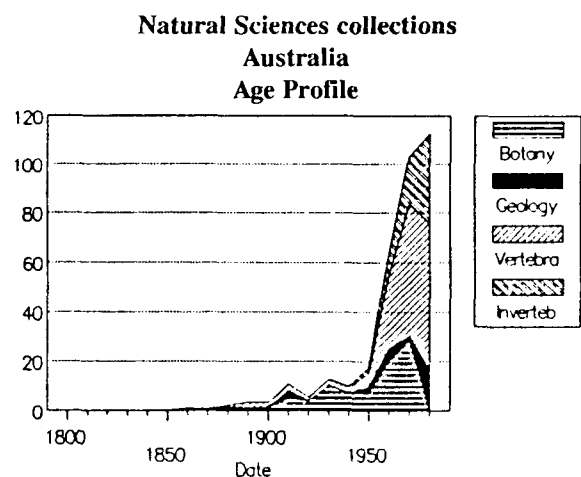
The Association of Systematics Collections will hold its 1991 Annual Meeting at Texas A & M University, College Station, Texas on May 16-18. The meeting will feature a workshop on "Biodiversity and Collections." Speakers from the U.S., Canada, and several Latin American countries will discuss the role of collections in biodiversity studies and collection development, and the status and needs of collections in developing countries. There will also be a workshop on Collections Policy issues. For further information, contact ASC. (#15)

BIOLOGY EDUCATION AND NATURAL HISTORY

The Association of Systematics Collections will sponsor a symposium on informal biology education at the 1991 AIBS meeting under the AIBS theme: "Education: The Future of Biology." The meeting will be held at the San Antonio, Texas, Convention Center, August 4-8. The symposium will emphasize informal education in systematics, biological diversity and environmental sciences at natural history museums and botanical gardens. Topics include school enrichment programs, adult programs, exhibits and education, field trips as education, intern programs, curriculum programs for groups under-represented in science, and natural history education in an urban museum/garden. Representatives of NSF and EPA will be invited to discuss informal science education funding. ASC is seeking a curator who is involved in informal science education, an exhibits person from a large institution, and an education person from a large institution. If you would like to participate, please contact ASC. (#15) For AIBS meeting information, contact Louise Salmon. (#16)



Acknowledgements: Data for the UK museums came from: Inverness Museum (Mr. S. Moran), The Hancock Museum, Newcastle-upon-Tyne (Mr. P.S. Davis), Ipswich Museum (Miss S. Dummer), The Manchester Museum (Mr. C.W. Pettitt), Liverpool Museum (Mr. P.W. Phillips).
Editor's note: Natural History Conservation is the newsletter of the Natural History Conservation Working Group of the ICOM Conservation Committee.



Data for Australian institutions came from: Tasmanian Museum (Mr. D. Greg), Queen Victoria Museum, Tasmania (Mrs. L. Beck), South Australian Museum, Adelaide (Miss L. Queale), Queensland Herbarium (Mr. R.W. Johnson), Queensland Museum (Mr. P. Jell), Northern Territory Museum of Arts and Sciences (Mr. C. Jack-Hinton).

..... Velson Horie, Manchester Museum (#14)

HEALTH AND SAFETY NOTES

A brief list of some regulations and announcements extracted from recent issues of ACTS FACTS. Through the courtesy of Monona Rossol, editor, SPNHC exchanges newsletters with ACTS. Information about subscriptions to ACTS FACTS may be obtained from Ms. Rossol. (#17)

- [v.4(9):1] Two-component urethane foam products may contain hazardous isocyanates (such as toluene diisocyanate, TDI and methyl bisphenyl diisocyanate, MDI) which are released during foaming or burning, and may cause toxic effects as well as severe allergic responses. Respirators are not approved protection; only excellent local exhaust ventilation and/or air-supplied (SCBA) systems can be used. NIOSH bulletin, Current Intelligence Bulletin 53 (TDI and TDA, Evidence of Carcinogenicity) which concludes that commercial grade TDI and related compounds are "potential occupational carcinogens" is available. (#18)
- [v.4(9):2] Instant foam (such as Sealed Air Corporation's Instapak 40) used as packing material may release MDI. NIOSH's recommendation to a private company that uses this foam was to find an alternative or use air-supplied respirators, special ventilation, medical surveillance and other expensive safeguards.
- [v.4(11):2] Although a foam does not contain TDI or MDI, other isocyanates may cause serious toxic and allergic responses. EPA has designated 43 other isocyanates for study. Until the study is complete, ACTS suggests local ventilation and air-supplied respirator protection when using any isocyanate-containing foam.
- [v.4(9):2] Hydroquinone, a photodeveloper, may be carcinogenic. This is suggested in a National Toxicology Program study (NTP Technical Report, Series no. 366). Photographers should use respirator protection if mixing dry chemicals. Premixed chemicals are safer but still require good ventilation and use of gloves and tongs to avoid skin contact.
- [v.4(10):1] NIOSH study of a small glass blowing factory demonstrated that glassblowers are exposed to high levels of infra-red radiation (IR) when working in front of a furnace and when shaping hot glass. IR can cause eye problems including retinal damage and a special kind of cataract. A free copy of the study and NIOSH safety recommendations is available, Louie Glass Factory Report HETA 88-299-2028. (#18)
- [v.4(10):2] Laser printers and copiers can emit air pollutants, including ozone, which may cause allergic reactions and respiratory tract irritations. Ozone has a ceiling Threshold Limit Value of 0.1ppm which is less than the allowed exposure for phosgene (warfare gas). Control copier pollutants by: providing adequate indoor air ventilation (20 cubic feet per minute of outside air per person), using copiers that operate with a positively charged drum, obtaining MSDSs on the toner and chemicals used with the machine, properly maintaining machine, and not enclosing machine in a windowless room or closet.
- [v.4(10):4] Glycidol (2,3-epoxypropanol), a viscous liquid used in hydraulic fluid and as a diluent in some epoxy resins, showed clear evidence of carcinogenic activity in a NTP study. Reject products containing glycidol and avoid these other epoxy chemicals, dimethylamine (DMA), glycidyl ethers, glycol ethers and 2-nitropropane. There are epoxy products that do not contain these chemicals. Single free copies of the study are available - NTP Technical Report Series no. 374, (Toxicology and Carcinogenesis Studies of Glycidol). (#19)
- [v.4(12):3] Methyl bromide (in a 2 year study by NTP) showed neurotoxic effects but no cancer in mice by inhalation. Methyl bromide is used as a pesticide and fumigant. Some museum conservators use it a substitute for ethylene oxide (EtO) which is considered a probable human carcinogen by EPA.

CONTACTS AND SUPPLIERS

- Gerald Fitzgerald, Canadian Museum of Nature, Box 3443 Station D, Ottawa, Ontario, Canada K1P 6P4, tel: (613) 954-0358, FAX: (613) 954-4724
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- Tom Strang, Canadian Conservation Institute, 1030 Innes Road, Ottawa, Ontario, Canada K1A 0M8, tel: (613) 998-3721
- Carolyn Rose, Anthropology Dept., Museum of Natural History, Smithsonian Institution, Washington, DC 20560, tel: (202) 357-4499
- Frank Howie, Natural History Museum, Cromwell Road, London SW7 5BD UK
- Cesar Romero-Sierra, Dept. Anatomy, Queen's University, Kingston, Ontario, Canada K7L 3N6, tel: (613) 545-2863
- Charlie Messenger, Nebraska State Museum, University of Nebraska, Lincoln, NE 68588 USA, tel: (402) 472-8366
- Susan Woodward, Dept. Mammalogy, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario, Canada M5S 2C6, tel: (416) 586-5768, FAX: (416) 586-5863
- John Perkins, CIMI Project Manager, 5659 Merkel St., Halifax, Nova Scotia, Canada B3K 2I1, tel: (902) 454-4077, FAX: (902) 453-6153
- Judy Diamond, Nebraska State Museum, University of Nebraska, Lincoln, NE 68588 USA
- Peter Tirrell, Oklahoma Museum of Natural History, University of Oklahoma, Norman, OK 73019 USA, tel: (405) 325-4711
- Hugh Genoways, Museum Studies Program, Nebraska State Museum, University of Nebraska, Lincoln, NE 68588 USA, tel: (402) 472-3779
- Janet Markland, Ironbridge Institute, Ironbridge Gorge Museum, Telford, Shrops TF8 7AW UK, tel: (0952) 432751
- C. Velson Horie, Manchester Museum, The University, Manchester M13 9PL UK
- Association of Systematic Collections, 730 11th Street NW, 2nd floor, Washington, DC 20001 USA
- Louise Salmon, American Institute of Biological Sciences, 730 11th Street NW, Washington, DC 20001 USA
- Monona Rossol, ACTS, 181 Thompson St. #23, N. Y., NY 10012
- NIOSH Publication Dissemination, DSDTT NIOSH, 4676 Columbia Parkway, Cincinnati, OH 45226; tel: (513) 533-8287
- National Toxicology Program, NTP Public Information Office, MD B2-04, PO Box 12233, Research Triangle Park, NC 27709
- Information incomplete; may be ordered from Archetype Books, 12-14 Hall Square, Denbigh, Clwyd LL16 3NU UK
- Getty Conservation Institute publications distributed by Oxford University Press, 16-00 Pollitt Drive, Fair Lawn, NJ 07410
- Routledge Chapman & Hall, 29 W. 35th St., New York, NY 10001
- Smithsonian Institution Press, Dept. 900, Blue Ridge Summit, PA 17294 USA
- Nature Conservancy Council, Chris Stevens, Northminster House, Peterborough PE1 1UA UK
- National Park Service, Curatorial Services Division - WASO, Harper's Ferry, WV 25425, tel: (304) 535-6128
- American Association of Museums, 1225 Eye Street NW, Suite 200, Washington, DC 20005, tel: (202) 289-9124
- Harwood Academic Publishers, PO Box 90, Reading, Berks RG1 8JL, UK or PO Box 786, Cooper Station, New York, NY 10276
- Association of Science-Technology Centers, 1413 K Street NW, 10th floor, Washington, DC 20005 USA, tel: (202) 371-1171
- Stella Paul, Metropolitan Museum of Art, 1000 Fifth Avenue, New York, NY 10028 USA, tel: (212) 879-5500, ext.3645
- Ian and Angela Moor, P&PC&R, Stanstead Road, Forest Hill, London SE23 1HU UK, tel: 081-690 3678

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PUBLICATIONS OF INTEREST

Where now for taxonomy? Clifford, H.T., R.W. Rogers and M.E. Dettmann, 1990. *Nature* 346(16 Aug):602. Proposes discarding massive herbarium collections which may lead to better taxonomic research. **In defense of taxonomy.** Correspondence, *Nature* 347(20 Sept):222-224 and 347(25 Oct):704. Letters to the *Nature* Editors criticizing Clifford, Rogers and Dettmann suggestion.

Old dead rats are valuable. Diamond, J.M., 1990. *Nature* 347(27 Sept):334-335. DNA can be extracted from museum and archaeological specimens using PCR (polymerase chain reaction). Museums collections are valuable for research in molecular evolution.

Museology. Ross, R., 1989. *Aperture* (\$39.95). Color photographs of exhibits and storage areas of museums including natural history museums in New York, Paris and Cairo. Published in conjunction with a show at University Art Museum, Santa Barbara.

Chemicals in conservation, a guide to possible hazards and safe use. 2nd edition. Clydesdale, A., 1990. *SSCR*. (£24) (#20)

The design of safe exhibitions: Basic concepts for new or remodelled exhibitions. Ashbrook, P. and M. Kenpaw (eds.), 1990. *RSC* (£44). (#20)

Conservation in storage. Garfield, D., et al., 1990. *Getty Conservation Institute*, 375 p. (\$80) (#21)

Museum systems and how they work. Danilov, V.J., 1990. *Curator* 33(4):289-311. A survey of four types of systems currently functioning in United States museums.

Control of fungi and insects in objects and collections of cultural value. Brokerhof, A.W., 1989. *Centraal Laboratorium voor Onderzoek van Vorwerpen van Kunst en Wetenschap*. (£5.75) (#20)

Managing conservation. Keene, S. (ed.), 1990. *UKIC*. (£5) (#20)

Polymer characterization. Physical techniques. Campbell, D. and J.R. White, 1989. *Routledge, Chapman & Hall*, 380 p. (h: \$87.50; p: \$30) (#22)

An archivist's perspective on natural history archives. Bain, A.L., 1990. *ASC Newsletter* 18(6):86-87. Excerpts from his talk at ASC Annual Meeting, Aug. 1990.

Natural history collections, archive, and databases: A curator's perspective. Wood, S., 1990. *ASC Newsletter* 18(6):87-89. Excerpts from his talk at ASC Annual Meeting, Aug. 1990.

The Cambridge illustrated dictionary of natural history. Lincoln, R.J. and G.A. Boxshall, 1990. 413 p., *Cambridge Univ. Press*. (\$14.95) Over 10,000 entries on plants, animals, microorganisms and fossils.

Archaeological Curatorship. Pearce, S.M., 1990. *Smithsonian Institution Press*, 224 p. (\$35) (#23) Examines philosophies, approaches and practices of museums that house material culture objects.

Perspectives on anthropological collections from the American Southwest: Proceedings of a symposium. Hedlund, A.L. (ed.), 1989. *Arizona State Univ., Anthropological Research Papers No. 40*, 158 p. (\$17.50)

Marine turtle bones from an archaeological site in Polynesia yield reliable age determinations. Dye, T.S., 1990. *Radiocarbon* 32(2):143-147. Accelerator mass spectrometry dating of 50 g samples yields results that agree with conventional C14 dates on marine shell.

Elements of archaeological conservation. Croyn, J.M. and W.S. Robinson, 1990. 326 p., *London, Routledge*. (£16.90). Designed as a reference book, three chapters cover broad concepts, decay and preservation mechanisms and basic techniques, three chapters deal with siliceous, metallic and organic materials. (#22)

Australian Aborigines and museums - A new relationship. Anderson, C., 1990. *Curator* 33(3):165-179. Joint ventures, a solution to the thorny problems of repatriation and/or restitution of Aboriginal objects.

Acquiring and exhibiting a Nuu-Chah-Nulth ceremonial curtain. Hoover, A. and R. Inglis, 1990. *Curator* 33(4):272-288. Mounting an exhibit with sensitivity for the concerns of Native People.

Guidelines for the preparation of excavation archives for long-term storage. Walker, K., 1990. *UKIC Arch. Ser.* (£2.75) (#20)

Artifacts. Hodges, H., 1989. *Duckworth* (£9.95) (#20)

Science-based dating in archaeology. Aitken, M.J., 1990. *Longman* (£12) (#20)

Conservation of artifacts made from plant materials. Florian, M.L.E., et al., 1990. *Getty Conservation Institute*, 350 p. (\$30) (#21)

MNL2/Manual on vapor degreasing. 1989. *American Society for Testing and Materials*, 48 p. (\$19).

Resources in Entomology. 1990. 269 p. Volume contains hundreds of listings of government, private, industrial, and academic institutions worldwide. *ESA, Box 177, Hyattsville, MD 20781*

Mercury and mercury compounds in natural history collections: An annotated bibliography. Hawks, C.A., 1990. *Natural History Conservation (ICOM)* 5:4-19. Extensive review with recipes.

Deterioration of bone and ivory: An annotated bibliography. Hawks, C.A. and S.L. Williams, 1990. *Natural History Conservation (ICOM)* 5:25.

Pest control in herbaria. Hall, A.V., 1988. *Taxon* 37(4):885-907. Reviews herbarium pests and controls. Potential value wider than plant collections.

The herbarium handbook. Forman, L. and D. Brisdon (eds.), 1989. *Royal Botanic Gardens, Kew*. (£12). Deals with technical aspects of housing, preserving and organizing reference collections of pressed plants.

PUBLICATIONS (continued)

Index Herbariorum, Part 1. The Herbaria of the World. 8th ed. (Regnum Vegetabile v. 120). Holmgren, P.K., N.H. Holmgren and L.C. Barnett (eds.), 1990. Intern'l Assoc. for Plant Taxonomy, 693 p. (#35)

Preparative high-performance liquid chromatographic separation of individual amino acids derived from fossil bone collagen. Klinken, van, G.J. and W.G. Mook, 1990. Radiocarbon 32(2):155-164. Describes procedure for preparing samples and evaluating contamination.

Earth science conservation in Great Britain. A strategy. 1990. The Nature Conservancy Council, 84p. Appendix includes "A handbook of earth science conservation techniques" compiled by A.P. McKirdy. 2 volumes concerned with geological and geomorphological site conservation. (#24)

The discreditation of mineral species. Dunn, P.J., 1990. American Mineralogist 75(7&8):928. Outlines proper procedure and stresses importance of type specimens.

International symposium on engineering geology as related to study, preservation and protection of ancient works, monuments and historic sites. 1990. Environmental Geology and Water Sciences 16(1). 13 papers selected from symposium in Athens, Sept. 1988.

Pyritic specimens: Formation, deterioration and conservation. Howie, F.W., 1990. Natural History Conservation (ICOM) 5:20-25. Annotated bibliography.

A proposal concerning date of collection information in systematics collections. Hegstad, H., 1990. ASC Newsletter 18(6):90. Method to indicate imprecise or ambiguous dates in databases.

A proposal concerning standard geographic references in systematic collections. Hegstad, H., 1990. ASC Newsletter 18(6):90-91. Method using longitude/latitude and an index to evaluate precision.

Applications of dBase III Plus to database needs of small museums. Bailey, L., K. Steigman and B. Peterman, 1990. Curator 33(3):207-216. An effective management system for a natural history museum and animal sanctuary.

A deductive enquiry system for a palaeontological database of museum material. Rogers, M.J., D.T. Donovan and M.H. Rogers, 1990. Palaeontology 33(3):613-662. Describes use of Prolog (programming language) to build a geologic knowledge base that can be used with a conventional museum database.

NEW PUBLICATIONS

Conserve O Gram - Arsenic Health and Safety Update (2/6), is available from National Park Service. (#25) It explains how to use the EM Science Arsenic Test Kit (available from AWR Scientific Catalogue) and discusses health effects of arsenic.

Nature/South is a new natural history magazine published by the newly organized Alabama Natural

History Society. The magazine is a benefit of membership in the Society. Contact the Society at the Alabama State Museum of Natural History, Smith Hall, Box 870340, Tuscaloosa AL 35407.

MPR NEWS, a new twice yearly magazine published by ICOM Museum Public Relations Committee in English and French, will cover current trends and developments in museum marketing (\$5 US). Subscriptions may be ordered from Janet W. Solinger (Chair, MPR Committee), Director, Resident Associate Program, Smithsonian Institution, 1100 Jefferson Drive, SW, Room 3077, Washington, D.C. 20560 USA.

1991 IIC-CG Conservation Calendar is available. It lists conferences, training workshops and other important dates; also includes original artwork by conservators from around the world (\$10 Canadian incl. postage). Contact: IIC-CG, P.O. Box 9195, Ottawa, ON, Canada K1G 3T9.

Shaping the Museum: The MAP Institutional Planning Guide outlines a step-by-step approach to planning, from the preliminary stages through the development of goals and objectives, and implementation of the plan. It also includes a sample plan, further recommended readings and a resource guide. Available from AAM (\$12 for members, \$15 for non-members; plus \$4 shipping charge). Also available free is a new brochure which describes the three MAP offerings: MAP I (Institutional Assessment), MAP II (Collections Management Assessment), and MAP III (beginning Fall 1991, Public Dimension Assessment). (#26)

The **Museum News** 10-year index, 1980-1989, is available. Prepaid orders, includes shipping, are \$17 for AAM members, \$22 for non-members. (#26)

Computers and the History of Art, a new international journal published in association with CHArt, deals with the application of computers to the history of art. Articles will cover new methodologies, creation of databases or development of software. The journal will also promote relationships with other humanities groups for example archaeology and history in which similar developments and interests are emerging. Issues in progress include: Proceedings of the CHArt 1989 Conference, Image Databases, and Computers and Conservation. Subscriptions from Harwood Academic Publishers. (#27)

Planning science museum programs for preschool children addresses such topics as staffing, how people are depicted in exhibits, how to advertise, selections for museum shops, and how to include parents as partners in the learning process. Published by the Association of Science-Technology Centers and written by D. Merrill, J. Robinson and D. Willow of the Children's Museum, Boston, it includes case histories from the Franklin Institute Science Museum, Philadelphia, and Museum of Science and Industry, Tampa. (\$8 for ASTC members, \$10 for non-members). (#28)

WORKSHOPS, TRAINING AND CONFERENCES

Compiled by the Education and Training Committee

MARCH

- Mar-Jun. Chemistry for Conservators (correspondance course); Jane Murray, IAP, 31-34 Gordon Square, London, England WC1H 0PY, tel: (071) 387-9651, FAX: 0745 813484
- ?????. Labelling and Marking Objects, Museums Documentation Association; Manchester, UK; Nicky Ingram, MDA, 347 Cherry Hinton Road, Cambridge CB1 4DH, tel: (0223) 242848
1. Corporate Planning Workshop; Bournemouth Polytechnic, UK; Dianna Zeuner, AIM Seminars, Park Cottage, West Dean, Chichester, West Sussex, tel: (0243) 63364
- 1-2. Texas Academy of Science, 94th Annual Meeting; Nacogdoches, Texas; Dr. Thomas Atchison, Box 13034, SFA Station, Nacogdoches, Texas 75962-3034, tel: (409) 568-2805
- 4-5. Film and Video in Museums; New York; Metropolitan Museum of Art (#29)
5. Museums for Everyone: Making it Work; Pittsburgh, Pennsylvania; Symposium Registrar, GPMC, 4338 Bigelow Blvd., Pittsburgh, Pennsylvania 15213, tel: (418) 681-4262
6. Recording Museum Objects - The MDA Data Standard, Museums Documentation Association; Cambridge, UK; Nicky Ingram, MDA, 347 Cherry Hinton Road, Cambridge CB1 4DH, tel: (0223) 242848
6. Managing Your Archive Conservation, North of England Museums Service; Newcastle Upon Tyne, UK; Martyn Ladds, Training and Information Officer, NEMS, House of Recovery, Bath Lane, Newcastle Upon Tyne NE4 5SQ, tel: 091-222 1661
- 6-8. The Identification of Photographic Processes; Paper and Photographic Conservators and Restorers; I. & A. Moor (#30)
- 7-9. 'Legal Issues That Affect the Museum Community' Symposium, CMA; Hull, Quebec, Canada; Cynthia Farnsworth, CMA Secretariat, tel: (613) 233-5653
- 11-12. Safety in the Chemical Laboratory; CPA (#34)
- 12-13. Fundraising for Museums, Area Museums Service for South East England; Michelle Gollop, AMSSEE, Ferroners House, Barbican, London EC2Y 8AA, tel: 071-600 0219
- 13-15. Mounting Photographs for Storage and Display; Paper and Photographic Conservators and Restorers (#30)
14. Museums, Education and the Earth Sciences, Geological Curators Group; Haslemere, UK; Di Hawkes, Haslemere Educational Museum, High Street, Haslemere, Surrey GU27 2LA, tel: (0428) 2112
14. 'Product', Publicity and Patrons: Museum Marketing, Scottish Museums Council; Edinburgh, UK; Margaret Greeves, SMC, 20/22 Torphichen Street, Edinburgh EH3 8JB, tel: 031-229 7465
- 17-19. Project Success through Problem Solving; Santa Monica, California; AAM (#26)
- 18-20. Introduction to Pulp and Paper Technology; CPA (#24)
- 18-20. Environmental Risk Assessment of Chemicals; CPA (#34)
- 18-22. Pigments and the Polarising Microscope, MAC & ME LTD; Welwyn, UK; Peter Mactaggart, 19 Mill Lane, Welwyn, Herts AL6 9EU, tel: (0438) 71 4710
- 20-22. Legal Problems in Museum Administration; Los Angeles; American Law Institute - ABA; ALI-ABA, 4025 Chestnut St., Philadelphia, PA 19104 USA, tel: (215) 243-1630
- 20-22. The Preservation and Conservation of Photographic Materials; Paper and Photographic Conservators and Restorers (#30)
- 20-23. Nonprofits in Travel Conference (Denver Museum of Natural History & California Alumni Association); Washington, DC; J. Mara DelliPriscoli, Travel Leisure Consulting, Inc., P.O. Box 10117, Arlington, Virginia 22210, tel: (703) 528-8593

- 20-25. International Conference on Museums and Environmental Issues, ICOM Committee, Natural History Museums and Chinese Assoc. of Natural Science Museums; Beidiahe, China; Craig C. Black, Director, Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, California 90007 USA
21. Managing Volunteers, Scottish Museums Council; Edinburgh, UK; Margaret Greeves, SMC, 20/22 Torphichen Street, Edinburgh EH3 8JB UK, tel: 031-229 7465
- 25-27. Fundraising for Museums in the '90s; British Columbia; University of Victoria (#32)
- 26-28. Solvent Recycle, Recovery, Reuse; CPA (#34)
- 27-29. Mounting Photographs for Storage and Display; Paper and Photographic Conservators and Restorers (#30)
- March/April. Paper and Textiles: The Common Ground; SSCR; Linda Eaton, Royal Museum of Scotland, York Buildings, Queen St., Edinburgh EH2 1JD UK, tel: 031-225 7534
- #### APRIL
- ?????. Introduction to Conservation (Science Museum); London, England; Anne Moncrieff, Science Museum, Exhibition Road, London, England SW7 2DD
- ?????. Museology Colloquium; Washington, DC; The Office of Museum Programs, Smithsonian Institution (#31)
- 4-5. Defining the Public Dimension of Museums; New York; Metropolitan Museum of Art (#29)
- 8-12. Chemistry for Conservators, Society of Archivists; York, UK; Ms. Banks, Cheshire Record Off., Duke St., Chester CH1 1RL
9. Managing Object Handling and Transportation: Conservation; North of England Museums Service; Newcastle Upon Tyne, UK; Martyn Ladds, NEMS, House of Recovery, Bath Lane, Newcastle Upon Tyne NE4 5SQ, tel: 091-222 1661
- 10-12. The Identification of Photographic Processes; Paper and Photographic Conservators and Restorers (#30)
- 14-18. BCG/GCG Curatorial Course, Sheffield, UK; Bob Toynton, Division of Continuing Education, University of Sheffield, 85 Wilkinson Street, Sheffield S10 2GJ, UK, tel: 0742 768555
- 15-19. Archives and Records Management: an Introduction; Business Archives Council; Nottingham, UK; Dorothy Johnston, Department of Manuscripts, Nottingham University Library, University Park, Nottingham NG7 2RD, tel: (0602) 484848
- 15-24. Administration of Museums and Art Galleries; British Columbia; University of Victoria (#32)
17. International Museum Exchange (Louisiana Association of Museums); Lafayette, Louisiana; Pamela Meister, LAM, P.O. Box 3494, Baton Rouge, LA 70821-3494, tel: (504) 343-4341
17. The Detection, Monitoring and Control of Museum Insect Pests, National Museum of Wales; Cardiff, UK; R.E. Child, Welsh Folk Museum, St. Fagans, Cardiff CF5 6XB, tel: (0222) 569441
- 17-19. Mounting Photographs for Storage and Display; Paper and Photographic Conservators and Restorers (#30)
18. The Ultimate Museum Experience; Ironbrige Institute (#13)
- 19-20. 4th New England Museum Assoc. and Old Sturbridge Village Archives Institute; Old Sturbridge Village; Old Sturbridge Village, 1 Old Sturbridge Village Road, Sturbridge, Massachusetts 01566, tel: (508) 347-3362
- 21-22. CIMI (Computer Interchange of Museum Information) Meeting, protocol development for exchange of museum information; Halifax, Nova Scotia; John Perkins (#9)
- 22-24. Paper Properties and Testing; CPA (#34)
- 22-26. Water-based Polymers: Chemistry and Application Technology; CPA (#34)

WORKSHOPS (continued)

23. People and the Places: Managing, Interpreting and Meeting Public Expectations; Ironbridge Institute (#13)
- 23-24. Archives: An Introduction; New Orleans, Louisiana; Leanne Stone, Division of Continuing Education 048, University of Nevada, Reno, Nevada 89557, tel: (702) 784-4046
- 29-1 May. Adhesion Science and Technology; CPA (#34)
- 29-10 May. Conserving Photographs; Paper and Photographic Conservators and Restorers (#30)
- MAY**
- ???? Partnerships in Preserving Patrimony; Costa Rica; The Office of Museum Programs, Smithsonian Institution (#31)
- 2-3. Museums in Partnership; New York; Metropolitan Museum of Art (#29)
3. Workshop on Collections Maintenance; Williamsburg, Virginia; Virginia Association of Museums, 301-A N. Sheppard St., Richmond, Virginia 23221, tel: (804) 367-1079
- 6-17. Preventive Conservation: Museum Collections and Their Environment; Marina del Rey, California; The Training Program, The Getty Conservation Institute, 4503 Glencoe Ave., Marina del Rey, California 90292-6357, tel: (213) 822-2299, FAX: (213) 821-9409
- 6-9. Society for the Preservation of Natural History Collections Annual Meeting; Ottawa, Canada; Jerry Fitzgerald (#1)
- 10-11. Practical Approaches to Preventative Conservation for Natural History Collections (post SPNHC meeting training workshop), sponsored by the Canadian Conservation Institute; Ottawa, Canada (#3)
- 9-11. Midwest Archives Conference, Spring Meeting; Chicago, Illinois; Tyler Walters, Northwestern University Library, University Archives, Evanston, Illinois 60208-2300, tel: (708) 491-3136
- 14-16. Structural Studies, Repairs and Maintenance of Historical Buildings; Seville, Spain; A. Lampard, Computational Mechanics Institute, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton SO4 2AA, UK
- 15-17. Planning Programs for Young Adolescents (needs of 10-15-yr-old); Boston; Center for Early Adolescence, University of North Carolina at Chapel Hill, Suite 211, Carr Mill Mall, Carrboro, North Carolina 27510; tel: (919) 966-1148
- 15-19. American Society of Mammalogists Annual Meeting; Manhattan, Kansas; Don Kaufman, Division of Biology, Ackert Hall, Kansas State University, Manhattan, Kansas 66506, tel: (913) 532-6622
- 16-18. Association of Systematics Collections Annual Meeting, Biodiversity and Collections Workshop; College Station, Texas; ASC (#15)
- 19-23. American Association of Museums Annual Meeting: "Forces of Change: Whose Change? What Change? How?"; Denver; AAM (#26)
20. American Association of Museum Volunteers Annual Meeting; Denver, Colorado; Cynthia Pinkston, Executive Director, AAMV, 6307 Hardy Drive, McLean, Virginia 22101, tel: (202) 342-3212
- 20-25. International Festival of the Press, Cinema and Television for the Protection of Our Cultural Heritage; Rome, Italy; Media Save, ICCROM, via di San Michele 13, I-00153, Rome, Italy
- 22-23. Teaching Conservators How to Teach, pre-conference Training Session for IIC-CG Conference; see below
- 24-26. IIC-CG Annual Conference; University of British Columbia, Vancouver, BC; John Stewart, Programme Chair, IIC-CG Conference 91, Box 9195, Ottawa, Canada K1G 3T9, FAX: (613) 993-9796
- 25-30. CIDOC 1991 (ICOM); Copenhagen; National Museum, Documentation Dept., Ny Vestergade 11, DK-1471 Copenhagen, Denmark
- 28 May-14 Jun. Introduction to Museum Studies; British Columbia; University of Victoria (#32)
- 30-1 Jun. National Archaeological Records Conference; Copenhagen; (see May 25-30 above)
- JUNE**
- 2-8. Coleoptera Larvae Workshop, Bishop Museum and University of Hawaii; Honolulu; Tina Kuklenski, FAX: (808) 841-8968
- 3-4. Natural Disaster Mitigation Workshop (FAIC - Foundation of the American Institute for Conservation); Albuquerque, New Mexico; AIC, 1400 16th St. NW, Suite 340, Washington, DC 20036, tel: (202) 232-6636
- 3-8. AIC Annual Meeting; Albuquerque; Marcia Anderson, AIC (see June 3-4 above)
- 4-5. GCG Seminar; Perth, UK; Mike Taylor, Perth Museum and Art Gallery, George Street, Perth PH1 5LB, tel: 0738 32488
- 7-11. Natural History of the Bahamas, 4th Symposium; Bahamas; Donald T. Gerace, tel: (813) 743-7954
- 9-21. Western Archives Institute; Berkeley, California; Laren Metzger, WAI, 1020 O St., Room 130, Sacramento, California 95814, tel: (916) 445-4294
- 10-12. Air Balancing, Maintenance and Technology of HVAC Systems; CPA (#34)
- 10-12. Plastics Additives; CPA (#34)
- 10-13. The Conservation of Picture Frames; Oberlin, Ohio; Jeannine Love, Frames Workshop, Intermuseum Conservation Assoc., Allen Art Building, Oberlin, Ohio 44074, tel: (216) 775-7331
- 12-13. The International Committee on Management Symposium (AAM/ICOM); Paris; Brenda Berck, 204-1049 Chilco St., Vancouver, B.C., Canada V6G 2R7, tel: (604) 681-0315
- 17-21. Geoarchaeology; London, England; IAP (#33)
- 17-21. Mammal Remains from Archaeological Sites; London; IAP (#33)
- 19-22. Canadian Museums Association Annual Meeting; Hamilton, Canada; CMA, 280 Metcalfe St., Suite 400, Ottawa, Canada K2P 1R7, tel: (613) 233-5633, FAX: (613) 233-5438
- 19-23. American Association of Botanical Gardens and Arboreta Annual Meeting; Chanhassen, Minnesota; AABGA, 786 Church Road, Wayne, Pennsylvania 19087, tel: (215) 688-1120
- 20-22. Museums 2000: Toward More Inclusive Institutions; Boston, Massachusetts; Fabiana Chiu, Children's Museum, 300 Congress St., Boston, Massachusetts 02210, tel: (617) 426-6500
- 24-28. Applications and Techniques in Archaeobotany; London, IAP (#33)
- 24-28. Computers in Museums and Heritage Centers; Bristol, England; IAP (#33)
- 24-28. Identification of Fibres; London; IAP (#33)
- 24-28. Surveying of Archaeological Sites; West Sussex, England; IAP (#33)
- 24-28. Pigments: History, Characteristics and Use; London; IAP (#33)
- 1-5. Materials for Conservation; London; IAP (#33)
- 1-15. Pigments and Polarising Microscope; Welwyn, UK; IAP (#33)
- 30-5 Jul. Critical Issues in Museum Management; Boulder, Colorado; Museum Management Program, University of Colorado, 250 Bristlecone, Boulder, Colorado 80304, tel: (303) 443-2946
- JULY**
- ???? Museology Colloquium; Washington, DC; The Office of Museum Programs, Smithsonian Institution (#31)
- 1-5. Identification of Wood; London; IAP (#33)
- 1-5. Textiles Conservation; London; IAP (#33)
- 1-5. Photographic Workshop; London; IAP (#33)
- 7-7 Aug. Museum Management Institute; Berkeley, California; Ricki Lederman, tel: (415) 974-1230
- 8-12. Dyes and Dye Identification; London; IAP (#33)

WORKSHOPS (continued)

- 8-12. Geographical Information Systems in Archaeology; London; IAP (#33)
- 8-12. Introduction to the Identification of Papermaking Materials; London; IAP (#33)
- 10-21. Textiles Conservation Science; Budapest, Hungary; IAP (#33)
- 14-18. Mounting Objects for Display; West Dean, England; IAP (#33)
- 15-19. Archaeological Techniques; Sussex, England; IAP (#33)
- 15-19. Biodeterioration; London; IAP (#33)
- 15-26. Chemistry Related to Conservation; London; IAP (#33)
- 17-21. Polymers in Conservation; Dr. N. S. Allen, Department of Chemistry, Manchester Polytechnic, Chester St., Manchester M1 5GD, tel: 061 228 6171
- 22-26. Care of Collections; Amsterdam, Holland; IAP (#33)
- AUGUST**
- 4-8. American Institute of Biological Sciences Annual Meeting; San Antonio, Texas; AIBS (#16)
- 13-17. AOU (American Ornithologists Union), Annual Meeting; Montreal, Quebec; David M. Bird, tel: (514) 398-7941 or Gary D. Schnell, Prog. Coord., tel: (405) 325-4034
- 26-30. Meeting of the British Association for the Advancement of Science, Plymouth, UK; Michael Robbins, C/O South West Polytechnic, Drake Circus, Plymouth PL4 8AA UK
- SEPTEMBER**
- ???? GCG Seminar; Plymouth, UK; Plymouth Museum and Art Gallery; to be announced
- Sep-Apr 1992. Museum Studies (correspondence course); University of Victoria (#32)
- Sep-May 1992. Certificate Program in Museum Studies, with The George Washington University; Washington, DC; The Office of Museum Programs Smithsonian Institution (#31)
- 1-7. XIIth Congress of the International Union of Prehistoric and Protohistoric Sciences; Archeologicky ustav Slovenskej akademie vied, Sekretariat XII. kongresu UISPP; 949 21 Nitrahrad Czechoslovakia
- 9-15. Museums and Collections in the History of Mineralogy, Geology and Paleontology, 16th International Symposium; Dresden, Germany; Gesellschaft fur Geologische Wissenschaften der DDR (GGW), Sekretariat, INHIGEO, Invalidenstrasse 43, Berlin, DDR-1040
- 16-20. Interpretation of Air Photographs in Archaeology and Environmental Studies; Cranfield Institute of Technology, England; IAP (#33)
- 16-21. Saving the Twentieth Century: The Degradation of Modern Materials; Ottawa, Canada; Cliff McCawley/David Grattan, Symposium 91, CCI, Department of Communications, 1030 Innes Road, Ottawa, Canada K1A 0C8
- OCTOBER**
- 6-18. Preventive Conservation for Geological Collections, The Art Conservation Department, Queen's University and Canadian Museum of Nature; Kingston, Ontario; Director, Art Conservation Department, Queen's University, Kingston, Ontario, Canada K7L 3N5
- 23 Oct-1 Nov. Curatorial Care of Paper; British Columbia; University of Victoria (#32)
- NOVEMBER**
- 3-4. CIMI (Computer Interchange of Museum Information) Meeting, preparations for testing protocol (see 21-22 April); Halifax, Nova Scotia; John Perkins (#9)
- 15-18. The Role of Chemistry in Archaeology, The Birla Institute of Scientific Research; Hyderabad, India
- 20-29. Topics in Museum Studies - Natural History Curatorships; British Columbia; University of Victoria (#32)

Nov-Dec. Archeological Curation & Collections Management OR Integrating Archeology and Objects Conservation, National Park Service; Washington, DC & Denver, Colorado; Richard Waldbauer, Archeological Assistance Division, N.P.S., P.O. Box 37127, Washington, DC 20013-7127, tel: (202) 343-4113

1992

MAY

10-15. Preservation and Conservation of Natural History Collections; National Museum of Natural Sciences; Madrid, Spain; Julio Gisbert/Fernando Palacios, Comite Local SPNHC, Museo Nacional de Ciencias Naturales, J. Gutierrez Abascal, 2, 28006 Madrid, Spain

JUNE

1-6. SPNHC Annual Meeting and Pest Management Workshop; Lincoln, Nebraska; Charlie Messenger (#7)

15-18. Deterioration and Conservation of Stone, 7th International Congress; Lisbon, Portugal; J. Delgado Rodrigues, LNEC - Av. Brasil, 101, P-1799 Lisbon Codex, Portugal

28-1 Jul. NAPC V, N. Amer. Paleontological Convention; Chicago; Peter Crane, Field Museum of Natural History, Chicago, Illinois 60605, tel: (312) 922-9410 ext. 334

SEPTEMBER

19-27. ICOM, 16th General Conference; Quebec, Canada; ICOM '92, 60 rue Marche-Champlain, Quebec G1K 8R1, Canada

LETTER TO THE EDITOR

Dear SPNHC, May I express my gratitude for the help that your newsletter has been to me. As I have always struggled with the English language (I live in the industrial wastes of Northern England), I find it most rewarding to be presented with such startling word-juggling feats as can be encountered in SPNHC literature. I refer of course to your lovely committee titles. How I long for the day when I can take an active role in the 'Guidelines sub-sub committee of the terminology sessional committee of the byelaws [sic] and bureaucracy coordinating committee'.

What a prospect we also have for valuable title construction at the Madrid conference. Will anyone be organising a 'Seventh International Technical Nomenclature Criteria Development and Information Workshop session'? Or are you too afraid of the resulting title of the organisational resource planning sub-committee to even consider it?

I would love to serve on just such a panel but I am afraid I am too busy preparing reports for the 'Testate bovid alimentary expulsion substances sub-sub-sub committee working group'. Oh well, perhaps next time.

Yours faithfully, Paul Richards, Assistant Keeper, Conservation (Natural Science), City Museum, Weston Park, Sheffield, South Yorkshire S10 2TP

Editor's reply: We thank Mr. Richards for his thoughtful letter. It has been referred to a Committee.

CONTACTS continued from page 6

31. Office of Museum Services, A & I Building, Suite 2235, Smithsonian Institution, Washington, DC 20560 USA, tel: (202) 357-3101
32. Joy Davis, Cultural Resource Management Program, University of Victoria, P.O. Box 3030, Victoria, BC Canada V8W 3N6, tel: (604) 721-8462
33. International Academic Projects, Summer Schools, James Black, Coordinator, 31-34 Gordon Square, London WC1H 0PY UK, tel: (071) 387-9651, FAX: 0745 813484
34. Center for Professional Advancement, P.O. Box H, East Brunswick, NJ 08816 USA, tel: (908) 238-1600, FAX: (908) 238-9113

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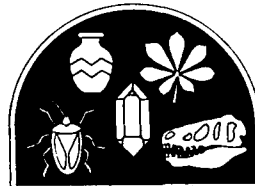
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SPNHC NEWSLETTER

Julia Golden

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