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## PRESIDENT'S COLUMN

First some business: anything you would like to bring before the society, you might begin thinking now of preparing a proposal for the annual business meeting. Also committee reports were due to me by the end of April. If you are one of the chairs needing to turn in a report, please do so soon. I know that you are all very busy, particularly so with the end of the academic year in sight. Your hard work and dedication is greatly appreciated.

I certainly misspoke in last month's column, when promising that the proceedings volume would be done shortly after you all received the last newsletter! I could say, with some truth, that things like a niece's wedding, a large serial cancellation project, bad bout of the flu, even getting the International Geoscience Conference proceedings volume

completed, delayed the nascence of this year's volume. However, much more to the point, there is a lot more work involved in getting a proceedings volume done than I had any idea of. I find when reviewing the April and June columns of previous GIS presidents, that several of my predecessors had much the same comments. Without the expert mentoring I am receiving from Connie Manson, you all might never get this volume. It is due to be sent out to you in conjunction with this year's Membership Directory, hopefully before too much more time has passed. My principal feeling right now is impatience. There are so many good papers, interesting ideas, and good data in this upcoming volume that I'm feeling very guilty for delaying you from getting your hands on it. All of those presidents who have had to contend with my papers, full of graphs and charts, I now understand how much work those are to deal with!

This is the first year that information from the annual meeting forums (digital database, collection development, preservation and professional concerns) have been included in the proceedings volume. This month's newsletter contains additional preservation projects, continuing and expanding the work reported on at the annual meeting.

Am looking forward to meeting many of you at the Denver annual meeting, which Lois and her committee are continuing to plan; it should be great. Do plan to stay through Thursday so you can take in the Fieldtrip; also count on a visit to Suzanne Larsen's newly constructed library.

Speaking of visiting fellow society members' library sites, while on a trip to Washington on Stanford/GeoRef business, I got a chance to tour the Carnegie Institution Library, hosted by Shaun Hardy. It was fascinating: a beautiful campus, complex research projects to support, interesting rare collections. Then I went out to Reston, Virginia, where Nancy Blair gave me a tour of the new USGS library rooms, now a better functioning facility, again with several unique, in-depth collections. Networking with our colleagues in like information settings is one of the truly great benefits of this society.

Hope that you all have a productive, yet enjoyable summer. Am looking forward to seeing the new logo proposals; the entries were due in by the first of June. Don't forget that the next (August) newsletter will be delayed until GSA's Joint Technical Program Committee (JTTC) has set the final schedule for the annual meeting; expect it in late August or early September.

Charlotte Derksen  
GIS President

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## GEOSCIENCE INFORMATION SOCIETY 1999 OFFICERS

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The GIS Newsletter is published bi-monthly in February, April, June, August, October, and December by the Geoscience Information Society. Subscription to the Newsletter is \$40 per year and is included in the Society's annual membership dues. All correspondence regarding dues, membership status, and address changes should be directed to the GIS Secretary.

**GIS members are encouraged to contribute materials for publication.** Due to current vacancies, all materials—research articles, technical reports, information reports, officer and committee reports, publication notices, job announcements, and other news items—should be sent to the Newsletter editor until further notice.

Material for the June 1999 issue of the GIS Newsletter should be received no later than 14 May 1999. If possible, please send materials by e-mail or on IBM-compatible disc (Word'97 or ASCII format).

## VICE PRESIDENT'S COLUMN

It cannot be June already! I have just submitted our space requests for the meeting in Denver, yet I haven't a clue as to what we will be doing there. ABSTRACTS ARE DUE JULY 12th for papers and poster sessions. Submit your abstracts electronically at the GSA website: <http://www.geosociety.org/meetings/99>

There is a \$15.00 fee for all submissions, paper and electronic, so if you need a paper copy of the abstract form, please contact me early enough to meet their deadline, that is, well before July 12.

For some of our newer members, as well as to remind the rest of you, there is more to the conference than GIS Papers. There will be opportunities to learn about new data resources, e-journals, collection development issues, GeoRef and preservation. A chance to talk to colleagues about library and geoscience matters; a chance to view scientific equipment, new books and journals on display, and wondrous mineral and fossil specimens. In addition, you may carve out some time to sit in on other paper presentations, updates from USGS and NASA (both of which usually have very extensive exhibits and people to answer questions), explore Denver (<http://www.downtown-denver.com>), and or just enjoy the mountains.

Our plans for a joint GIS/WAML field trip did not come to fruition, and Suzanne Larsen is planning for a Thursday trip to sights in Boulder. Her plans are written up later in this issue. We will still enjoy our GIS luncheon with friends and honors, and an evening reception.

I wish I could tell you more about our program and our time slots, but the GSA arrangements are just not available. I will get that information out to all of you as soon as I can. Please don't hesitate to call (812-855-7170) or e-mail me ([heiser@indiana.edu](mailto:heiser@indiana.edu)) if you have questions about a session, a paper or a committee.

Lois Heiser, GIS Vice President



## SECRETARY'S MID-YEAR REPORT May 1, 1999

The transfer of the Society's membership database from dBASE to Access '97 has been completed; new data input forms and reports were developed and the membership renewal form was redesigned. Information on members' Web pages and committee service has been incorporated into the database. Work is progressing on production of the 1999 membership directory in both print and Web versions.

Membership stands at 203 as of May 1 -- 157 members in the U.S., 9 in Canada, and the balance representing 24 other countries. To date, 18 members have generously contributed \$585 to further the activities of the Society, including \$265 specifically for the Sponsored Membership program (see the Member News column in this issue for more details). GIS also has four "sustaining members" this year, who have provided special financial support for the Society. Many thanks to all of our donors and sustaining members!

Ongoing tasks have included handling the Society's general correspondence, updating directory listings, processing membership renewals, welcoming new members, and preparing the Member News column for the Newsletter.

Respectfully submitted,  
Shaun J. Hardy  
Secretary

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## TREASURER'S REPORT.

As of April 25, 1999, income received for 1999 totals \$10,338.53 and expenses total \$4,455.94

Bank Balances:  
First Union checking account: \$32,370.44  
Bank of America: \$ 8,671.07

Respectfully submitted,  
Susan Goodman, GIS Treasurer

**GEOSCIENCE INFORMATION SOCIETY  
FIELD TRIP**

Thursday, October 28<sup>th</sup>, 1999  
Leave Denver 8:30 AM  
Return to Denver 2:00 PM (approximate)

"Exploring the CU-Boulder Campus and an armchair geologic fieldtrip of Boulder."

The day will start with the short 30-minute drive to Boulder from Denver. Once on the University of Colorado campus, we will take a walking tour of the architecture of the campus. Most buildings are built of natural stone and the campus has been named one of the five most beautiful campuses in the United States. We will then tour the new Benson Earth Sciences Building, which has many examples of using geologic items as art. This will also include a tour of the new Jerry Crail Johnson Earth Science and Map Library.

We will then have a box lunch in the third floor conference room of the Benson Building which commands an impressive 180 degree view of Boulder from the Flatirons to the plains. There we will take an armchair field trip of the geology of the Boulder area with a lecture by one of the emeritus faculty members of the Department of Geological Sciences.

Those having their own cars and needing to get to the airport can leave directly from Boulder. Plan on an hour travel time to the airport.

I need an estimate of how many folks would be interested in this so that I can plan transportation. The cost will be about \$20 including lunch. Please let me know if you are interested, there will be an official sign up form in the August newsletter.

Suzanne T. Larsen  
Suzanne.Larsen@colorado.edu



**GEOSCIENCE INFORMATION SOCIETY  
BEST PAPER AWARD COMMITTEE  
MIDYEAR REPORT  
April 26, 1998**

Searching assignments have been given to the committee members, and a tentative schedule of activities has been set. Nominations have been solicited by way of the April 1998 GIS Newsletter and GEONET-L. To date, no nominations have been received. We expect to complete our work by mid-Summer.

Louise Zipp, Chair

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**MEMBER NEWS - June 1999  
Compiled by Shaun Hardy  
hardy@dtm.ciw.edu**

We welcome two new members this month: Susan Skinner and the Fondren Library/Rice University. Their contact information appears below, along with several updates to the Membership Directory. If your mailing label is marked "Last chance to renew", then your GIS membership has lapsed! To receive the next Newsletter, you'll need to send in your 1999 dues -- please use the Secretary's address given on page 2.

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**Career moves:**

Regina A. Lee is now: Head of Government Publications, Maps, and Microforms Dept. at Tennessee Technological University

Shailett D. Nyamfukudza is now managing the library at:

The Institute of Mining Research  
P.O. Box M.P. 167  
Mount Pleasant  
Harare  
ZIMBABWE

Lisa Wishard is now at:

Sandia National Laboratories  
Technical Library  
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#### Sponsored Member Program

The Sponsored Member Program is in good shape, thanks to the support of 11 GIS members who have contributed \$265 to the pooled fund this year. The Program is administered by the International Initiatives Committee and awards annual memberships to information professionals in countries without a strong information infrastructure.

Eleven individuals are the recipients of sponsored memberships this year: Terefe Gizaw Ayele (Ethiopian Institute of Geological Surveys); Corazon M. Camat (Mines and Geosciences Bureau, Philippines); Li-Mei Chen (Academia Sinica, Taiwan, Republic of China); Nina Ken (St. Petersburg State Mining Institute, Russia); Brij Mohan Khanna (National Geophysical Research Institute, India); Ma. Arlene A. Marzo (National Institute of Geological Sciences, Philippines); Shailett D. Nyamfukudza (Institute of Mining Research, Zimbabwe); K. N. Prabhmani (Geological Survey of India); Sunita Prasad (SOPAC Secretariat, Fiji); Nguyen Thi Kim Quy (Research Institute of Geology & Mineral Resources, Vietnam); and Melania C. Ramos (Philippine Institute of Volcanology and Seismology). Our sponsored members were all finalists in the competition for the first GIS Fellowships awarded last year.

Sponsored memberships may also be set up one-on-one, with a GIS member nominating a particular individual and paying that person's dues. For more information on the Sponsored Member Program, contact Shaun Hardy.

#### Publications by Members:

Andrews, M. and S.N. Tahirkheli. Electronic publication of an archival resource: the Arctic Bibliography. In: *Proceedings of the 24th Annual Conference of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC) and the 17th Polar Libraries Colloquy (PLC)*. Editors: J.W. Markham, A.L. Duda, and M. Andrews. Fort Pierce, FLA, IAMSLIC, 1999. Pp. 243-252.



## NEWS OF THE USGS LIBRARIES

On April 20-22, the USGS Library in Reston hosted a managers' workshop composed of the Reston library managers and the librarians from the Denver, Flagstaff and Menlo Park regional libraries to discuss library policies and services.

The Reston library held a formal Grand Opening on April 27th to officially recognize the new library facilities. The staff received awards for their participation in the move. Marcus Milling, Executive Director, American Geologic Institute, Susan Tarr, Executive Director, FLICC, Library of Congress, and Robert Hamilton, Executive Director, Commission of Geosciences, Environment, and Resources, National Research Council, were guest speakers. After the ribbon cutting, guests had the opportunity to take tours and see computer demonstrations. One of the special guests was Dr. William Holser who has supported the USGS libraries by asking for a Friends of the Library group and proposing National Library status. He and his son traveled from Eugene, Oregon, making them the guests who came the longest distance to be part of the event.

Charlotte Derksen, President of the GIS, visited the library on May 4th on her way home from the *GeoRef* Board meeting. We hope many more of you get a chance to visit. Treasured collections, which were hidden away, can now be easily accessed and we hope you will become aware of our holdings in serials, theses, and maps that have not yet been made part of the online catalog. Call the Head Librarian's Office, 703-648-4305, for information on the availability of transportation or directions to the library whenever you are in the Washington, D.C. area.

Nancy L. Blair  
Supervisory Librarian  
U.S. Geological Survey Library  
email: nblair@usgs.gov



## NEW CHALLENGES FOR SCHOLARLY COMMUNICATION IN THE DIGITAL ERA: CHANGING ROLES AND EXPECTATIONS IN THE ACADEMIC COMMUNITY

Conference report  
Louise S. Zipp

Academics, publishers, representatives from professional societies, and librarians met on March 26-27, 1999 in Washington, DC in a gathering sponsored by five societies whose members are all stakeholders in the process and outcomes of scholarly communication. Keynote speaker Donald Langenberg, Chancellor of the University System of Maryland, recounted the current problems, and he predicted that some of the proposed solutions would fail, although they should be tried anyway. Preservation of information is the biggest unresolved issue, because we are already far along in our transformation of information to digital form without plans for keeping it beyond 10-15 years.

In the first panel, Gregory Crane, Professor of Classics at Tufts, presented "Faculty and the Digital World", centered on his experience as editor of the Perseus Project (<http://www.perseus.tufts.edu/>) He spoke about the challenges of organizing digital libraries and the current limitations of indexing. Digital libraries also reach audiences beyond the academy and have to be structured accordingly. Panel respondents spoke vigorously about certifying this new form of scholarship and achieving tenure credit. Crane emphasized the creativity of new, untenured scholars and the flexibility of "second-tier" research universities that value the new scholarship. These ideas were supported by the conclusions of others that validating the new scholarship will come through generational changes in the academy. Crane also noted that key partnerships exist between faculty and librarians because the latter are committed to preserving information.

On the second day, Jonathan Bagger, Prof. of Physics & Astronomy at Johns Hopkins, spoke on "Scholarly Publication in the E-Print Era". He detailed how e-prints have rendered print journals irrelevant in particle physics. His paper is on the WWW (<http://www.pha.jhu.edu/~bagger/talks/ar1.html>).

Robert Bovenschulte, Director of the American Chemical Society's Publication Division, observed that some fields of science, such as chemistry, are opposed to the e-print system. He also ventured that e-print articles put through "fast" peer review should be preserved. Peer review is an obligation to the public, especially with respect to the field of biomedicine.

The fourth panel was concerned with the economics of scholarly communication. Phyllis Franklin, Executive Director of the Modern Languages

Association, stated that the hardware and software costs for the electronic MLA Bibliography exceeded \$700,000, with additional annual costs of \$50,000. The Association is trying to increase member dues to cover some of these expenses. Other speakers outlined the predicaments of university presses.

In the final panel, on preservation and access, Clifford Lynch, Executive Director of the Coalition for Networked Information, presented "Ensuring the Survival of Scholarship". He stated that the archiving issue is the strongest reason why we are not yet willing to give up print media. He recommended multiple archives—that is, redundancy, to ensure survival of at least one copy of electronic works. Kevin Guthrie, President of JSTOR, responded that preservation is now much more dynamic than before. Years ago, that which was not heavily used was eventually preserved. Now we are concerned about preserving information resources that are being heavily used. Archiving is purely a mission or organizational issue, he stated, not a technical issue. A resource that is archived is one that won't pay for itself to be kept. Lynch followed by stating that libraries and professional societies are society's agencies for preserving culture.

As they are received at ARL, conference papers are being posted to their website (<http://www.arl.org/scomm/nscs/conf.html>).

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### CURRENT PRESERVATION PROJECTS AT NORTH DAKOTA STATE UNIVERSITY

Staff at the North Dakota State University Libraries have started to digitize public domain documents of local interest, and make them available to the public via the World Wide Web. One such document is *The Geologic Story of the Great Plains: a nontechnical description of the origin and evolution of the landscape of the Great Plains*, by Donald E. Trimble (1980; Geological Survey Bulletin 1493; SuDocs number I19.3:1493, 55 p.). The final result is available at: <http://www.lib.ndsu.nodak.edu/govdocs/text/greatplains/text.html>.

The Government Documents librarian scanned and converted the document using the following procedure:

1. Scan text using HP Scanner and Omni Page Pro 9.0 to convert to a text file.
2. Open text into MS Word. Check spelling errors and proof read for errors not found by Word. Make sure all pages were scanned.

3. Insert HTML codes. Much of it can be done using the Edit-Replace feature in Word. (I prefer to insert the HTML codes myself rather than using a conversion program since I'm happier with the results.)
4. Scan graphics and save as JPG or GIF depending on what the image is. Check for any cleaning-up they might need (such as blurry text) and fix using MS Paint. Make "thumbnail" images using L-View or another program that can resize an image.
5. Recreate any tables using MS Paint.
6. Insert links to images into document.
7. Open in a web browser and check appearance. Make any adjustments to HTML codes.
8. Load onto server.

The time needed for each step will vary depending on the complexity of the document, how well the text scans, the number of images, etc.

The same procedures are being used to digitize *The Glacial Lake Agassiz*, by Warren Upham (1895; Sudocs number I19.9:25; USGS Monograph 25, 658 p.). This project is "in progress", and can be viewed at: <http://www.lib.ndsu.nodak.edu/govdocs/text/lakeagassiz/preface.html>. There will eventually be a front page explaining the project.

Some special problems are being encountered during this project. The monograph is old and fragile. It is essentially impossible to avoid destroying the original during scanning, using equipment available to us. Fortunately, we have several copies of this monograph, and we are using a copy that was not in very good condition initially. Because the pages have become dark with age, some of the illustrations did not scan well. A decision needed to be made whether to leave the image as it was, or to touch it up. Since the purpose of the project was to make the information widely available rather than to reproduce the original, the decision was made to touch up the images, and to retype text on illustrations when it enhanced legibility.

Some time for these projects is available during slow periods while at the reference desk. Otherwise, the projects are continued as a "labor of love" on weekends by the Government Documents librarian. We are currently considering other material of local interest as candidates for future projects.

Kathy Thomas, Government Documents Librarian  
Lura Joseph, Physical Sciences Librarian  
North Dakota State University

## WAYS TO PRESERVE YOUR GEOSCIENCE LITERATURE WITH A MINIMUM OF RESOURCES

submitted by Ellie Clement and Clara McLeod,  
GIS Preservation Committee

Examination of the Geoscience Information Society (GIS) Proceedings for the past decade finds a continuing theme of concern for the deterioration of geoscience literature in member libraries. Following discussions within the GIS Preservation Committee, a number small preservation projects were designed and carried out. The goal was to explore the feasibility of in-house conservation and preservation of geoscience literature at minimal cost. Results of these projects were presented at the annual meeting in Toronto, Ontario, in October of 1998.

For many of us, the results were heartening and in some cases, a real surprise. Even without the guidance of a library preservation officer, it is possible to find advice and instructions to conduct in-house preservation projects at a minimal cost in terms of supplies and staff time. The purpose of this article is to share some of the ideas and insights gleaned from our projects in the hopes that you too will be inspired to forge ahead with your own.

**Making preservation/conservation a priority:** The first step is to just start thinking about preservation and how it should fit into your plans for your library. How does it help your library collections and service goals? Acknowledge its importance and have it become a part of your goals and objectives. By not preserving geoscience information materials, some of which are decades and centuries old, you can actually increase your costs. Make your staff, colleagues and users aware of the need to preserve materials.

**Getting started:** You don't need to have a formal preservation program to begin protecting the collection. Identify a do-able project, something that can be done individually and completed. It can be something that can be done without seeking specific funding designation or in areas already funded, i.e. binding. Ask the binding unit for assistance in preserving an item. Seek out training, advice and help from experts or local staff. Remember that you will learn by doing and from others.

**Starting small:** Begin with something that you identify as a need and that you can accomplish in a limited period of time and at low cost. It can be as simple as ordering archival supplies: acid free tape and acid free paper to make preservation photocopies for tip-ins or small pamphlets. Continue by investigating in-house opportunities. Perhaps you can use binding funds to microfilm or reproduce documents. Make preservation photocopies that you can slip in to the normal binding workflow.

Accept the fact that sometimes you will over-reach and find that your projects can get out of hand. Two committee members began their projects using campus-based technology to scan a document for placement on a web page. Both ended by retyping the text in digital form because making the corrections on the scanned text proved to take as much or more time than just typing it.

**Making it a routine:** Routine maintenance procedures are effective and usually at no additional cost: scheduling of yearly cleaning of stacks to remove dust and to identify specific materials needing repair or treatment, or establishing written guidelines for the use of patrons and staff to insure proper care and handling of materials. Preservation should be a part of your library program. Tell others about your interests and projects accomplished. This will help you locate resources and identify other preservation activities in the organization and locally.

**Build in-house skills:** If you can make the time, take advantage of skills you already have among your staff. One librarian found that a staff member spent much of her free time in craft-related activities. Taking advantage of her skills and interests, the staff member was first trained to deal with simple in-house repairs; finding she had a knack for the work, she continued to pursue related activities, attended in-house workshops and training sessions and developed her knowledge and expertise.

**Use the Internet:** While it is true that not everything is on the Web, there are Web sites which offer advice and instructions. Below are a number of sites we return to regularly for guidance and to update our skills:

*A Simple Book Repair Manual*  
(<http://www.dartmouth.edu/~preserve/tofc.html>) was created by members of the Dartmouth College Library Preservation Services with funding by the National Park Service's National Center for Preservation Technology and Training. This site gives step-by-step instructions for simple in-house repairs, as well as general guidelines, practical advice, a list of suggested supplies and suppliers and a bibliography.

*GIS Preservation Committee web site*  
(<http://www.libraries.psu.edu/emsl/guides/gis/gisprsv.html>) has pages for preservation links, an extensive preservation bibliography, descriptions of completed and on-going projects, and a chart of average costs to preserve geoscience material  
(<http://www.libraries.psu.edu/emsl/guides/gis/costs.html>).

Research library preservation departments: a number of research libraries share information and give guidance, often through web pages. An example is the Indiana University Bloomington Libraries Preservation Department at



<http://www.indiana.edu/~libpres/>. Their preservation manual is on the web, and includes helpful FAQs for treatment options and a section on non-book material.

Read all about it: Use articles and manuals to teach yourself to preserve your library material. Several works, which have stood the test of time, are below.

Boomgaarden, Wesley L. Preservation planning for the small special library. *Special Libraries* 76: 204-211; 1985.

DeCandido, Robert; DeCandido, GraceAnne A. Micro-preservation: conserving the small library. *Library Resources and Technical Services* 29:151-60; 1985.

Larsgaard, Mary Lynette. *Map librarianship, an introduction*. 3rd ed. Englewood, CO: Libraries Unlimited; 1998 See sections: Care and handling of cartographic materials, Damage and repair of cartographic materials, and Storage of cartographic materials.

Winkle, Becky. A guide for small libraries: preservation on a shoestring. *American Libraries* 16: 778-779; 1985

library at Los Alamos, in "A Harbinger of Change: the Cutting Edge Library at the Los Alamos National Laboratory". The library serves 10,000 employees 24 hours a day, seven days a week. The director believes their success in innovation and leadership comes from a three-legged approach: their digital library project, their dedication to service, and their strategic business management. This approach has allowed them to develop unique products and to implement them rapidly.

Along a similar theme is an article from the January 1999 issue of *Computers in Libraries* (19:1 p.50), "Strategic Planning to Avoid Bottlenecks in the Age of the Internet", by W. David Penniman. He defines and gives examples of mission as distinguished from vision and suggests that academic libraries may be impeded in carrying out their visions by: lack of accessibility; outdated materials; high costs; insufficient storage capacity; and unavailability of materials. He suggests that we look for alliances to overcome the bottlenecks, such as consortial arrangements and projects with the private sector.

Mick O'Leary describes the features of *LibrarySpot*, a new Internet guide, which may prove useful in precision, rather than in quantity of sites recalled. See "*LibrarySpot* Shows New Angle on "Best of Web" Sites" in *Database* 22:2 (April) 1999, p.79. (<http://www.libraryspot.com>). He describes *LibrarySpot* as a convenience store for Web data--it includes only the most basic and commonly needed items.

In "The Seven Deadly Sins Of Digitization", David R. Majka describes seven difficulties associated with the digitization of information: 1) print plus pricing; 2) partial conversion; 3) three-card monte (some publishers have elected to present their customers with an all-or-nothing proposition); 4) authentication oddities; 5) e-journal confusion (some culpability for bad buying decisions might be shared between vendors and uninformed buyers); 6) lack of an archiving commitment; 7) vapor content (false vendor promises regarding features or capabilities that are "in development."). He advises close analysis is needed to make an intelligent purchase decision - caveat emptor. (*Online*, 23:2 (March) 1999, p.43).

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## LITERATURE REVIEW

By Miriam Sheaves

If you are looking for an overview on metadata, the article "Metadata Projects & Standards" in *Online*, 23:1 (Jan/Feb) 1999, p.32 is a good place to start. It summarizes the variety of standard models and official standardizing bodies involved and discusses various projects such as the USGS's National Biological Information Infrastructure. The authors, Jessica Milstead and Susan Feldman, include a section on where to go to find information on metadata, and include URLs for metadata projects and resources.

Two stimulating articles on developing and marketing library services to meet user needs piqued my interest. "Possibilities for Proactive Library Services" by Eric Lease Morgan of North Carolina State University (*Computers in Libraries* 19:4 (April) 1999 p 34) suggests ways to study user behavior and offer services tailored to user needs, for example, developing a library customized CD-ROM containing a package of information describing your library's services and products (e.g., explaining how document delivery works).

In the March 1999 issue of *Online* (23:2, p.34), Thomas Pack and Jeff Pemberton describe the research



## JOB ANNOUNCEMENTS

### Vacant Position - DIRECTOR AND CHIEF GEOLOGIST OF CASP

CASP is a geological research organisation within the University of Cambridge, Department of Earth Sciences. It is financed by oil company subscriptions, has its own building in west Cambridge and employs 28 geologists and support staff. It has an outstanding reputation for conducting and publishing research into hydrocarbon systems on a regional scale. Research projects based on combinations of original fieldwork, literature surveys and laboratory programmes are presently ongoing on the circum-Arctic, Greenland, Russia, China, Central Asia, South West Asia, South America and the North and South Atlantic borderlands.

The Director and Chief Geologist is responsible to the Trustees for the leadership of this organisation, and works closely with the Chief Executive in its management. This post will become vacant this autumn because Dr David Macdonald has accepted the Chair of Petroleum Geology at the University of Aberdeen.

Candidates should have a PhD and subsequent research experience in relevant areas of geology, with emphasis on sedimentological, stratigraphical, structural or geophysical aspects. The successful applicant will be personally involved in one or more field-based projects. Oil industry experience will be a distinct advantage.

In addition to having leadership qualities, applicants should be enthusiastic team players. They should be skilled in dealing with a wide range of people particularly in the initiation and development of projects with the subscribing companies.

The continued fostering of research and teaching links with Cambridge University's Department of Earth Sciences and other universities is essential. Starting salary will be in the range for University Readers and Professors: £36,270 - £42,857, depending on experience. There is a contributory company pension scheme and a free permanent health insurance scheme. Annual paid leave is 33 days, inclusive of public holidays.

Letters of application, together with a full C.V. and the names of three referees, should be received by Mrs. Christine Brouet-Menzies, Chief Executive, at the address below by 17 June 1999. Interviews will be held shortly thereafter.

CASP, West Building, Gravel Hill, Huntingdon  
Road, Cambridge CB3 0DJ, UK  
E-mail: [vacancy@caspc.co.uk](mailto:vacancy@caspc.co.uk)  
<http://www.caspc.co.uk>

### Physical Sciences Reference Bibliographer (Search Extended)

The Dartmouth College Library seeks a dynamic reference librarian and bibliographer for the Kresge Physical Sciences Library and Cook Mathematics/Computer Science Library.

**RESPONSIBILITIES:** Reporting to the Physical Sciences Librarian, works as a member of an information services team providing reference and collection development services in a flexible, innovative and technically sophisticated environment utilizing the Dartmouth College Information System, DIALOG, STN, and a wide variety of specialized, networked information resources. Services provided include instruction in information research tools and techniques; marketing and publicity for library resources and services; online searching using Dialog, STN, CD-ROM and Web-based resources; consultation with faculty to determine instructional and research interests; and collection management and development of print and electronic materials in selected areas of the physical sciences, mathematics and computer science.

**QUALIFICATIONS:** ALA/MLS; educational background in the physical sciences (Physics or Mathematics preferred); and a minimum of two years post-MLS experience in an academic or special library. The successful candidate will have strong interpersonal skills; ability to work collegially in small group and team environments; strong reference and online searching skills; and familiarity with use and application of computers in a networked environment.

**RANK AND SALARY:** Rank and salary commensurate with experience and qualifications. Full benefits package including 22 vacation days; comprehensive health care; TIAA/CREF; and relocation assistance.

**DARTMOUTH COLLEGE INFORMATION:**  
World Wide Web: <http://www.dartmouth.edu/>

**APPLICATION:** Applications received by June 15, 1999 will be given first consideration; applications will be considered until the position is filled. Please send resume to:

John R. James  
Director of Collection Services  
6025 Baker Library, Room 115  
Hanover, NH 03755-3525

Dartmouth College is an AA, EEO, M/F employer.  
Minority candidates are encouraged to apply.

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**Coastal Resources Management Librarian  
East Carolina University, Joyner Library**

Joyner Library seeks an energetic, service-oriented librarian to assist in the development and provision of library resources in support of a new doctoral program in coastal resources management.

**Responsibilities:** Reporting to the North Carolina Librarian, the Coastal Resources Management Librarian will work closely with teaching faculty and librarians to identify and acquire print, non-print and electronic resources needed for this program. The CRM Librarian will teach students in the CRM program how to identify, evaluate, and use bibliographic resources relevant to their needs. The position will also support the mission of the North Carolina Collection through reference work, instruction, Web page development, and other public service duties. Although based in the North Carolina Collection, the librarian will work closely with other library departments as appropriate.

**Required:** ALA-accredited master's degree or international equivalent in library or information science; second master's degree in a field related to the CRM program tracks (ecology, geoscience, social science, maritime studies). Preference will be given to candidates with a master's or Ph.D. degree in marine policy, environmental policy, or an environmental science.

**Highly desired:** Two years of reference experience in an academic or special library; facility with traditional and electronic reference materials; working knowledge of Web page development; outstanding teaching and communication skills; flexibility in adapting to change; and a strong commitment to public service. A record of research/creative activity and publication will be expected in order to gain permanent tenure.

Academic Library Services (ALS) supports the campus community's mission of teaching, research, and service through Joyner Library and its branch, the Music Library. Holdings include over 1 million volumes, 6,000 current subscriptions, 1.6 million microforms, and extensive collections of government documents, maps, manuscripts, and archival records. ALS has a \$2.2 million materials budget and employs a staff of 117, including 33 faculty librarians. A recently completed \$35 million expansion and renovation project has doubled the size of the Joyner building, which includes interactive TV studios and distance education facilities. The granting of Doctoral II status to the university in 1998 has fostered growth in collections and research. ALS operates in a networked computing environment that includes the

Horizon integrated library system and access to NC LIVE, a statewide network of electronic information resources. Visit the library's web site (<http://www.lib.edu.edu>) for additional information.

East Carolina University (ECU) enrolls almost 18,000 students and is comprised of the College of Arts and Sciences and 10 professional Schools. ECU is a constituent institution of the University of North Carolina System and the third largest of the 16 campuses. Located in Greenville, North Carolina, ECU is the primary educational resource, and the cultural, economic, and medical center for the eastern region of the state. Visit the university's web site (<http://www.ecu.edu>) for additional information.

**Salary:** \$35,000 minimum, depending upon qualifications and experience. Twelve-month, tenure-track faculty position with appointment at the rank of Assistant Professor.

**Application process:** Screening of applications will begin on June 15, 1999 and continue until the position is filled. Send letter of application, resume, copies of all transcripts, and three current letters of reference to:

Search Committee  
Coastal Resources Management Librarian  
Ms. Becky Foster, Processing Assistant  
Joyner Library  
East Carolina University  
Greenville, NC 27858-4353

Interested persons who wish to arrange a preliminary interview at the ALA Annual Conference may contact Ms. Foster at [FOSTERB@MAIL.ECU.EDU](mailto:FOSTERB@MAIL.ECU.EDU).

ECU is an Equal Opportunity/Affirmative Action Employer and accommodates individuals with disabilities. Applicants must comply with the Immigration Reform and Control Act. Official transcripts required upon employment.

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**Mathematics Librarian, Librarian I or II ( NS833)**

**RESPONSIBILITIES:** Reporting to the Chairperson of the Mathematics Department and the Coordinator of Branch Libraries, this librarian has administrative and supervisory responsibility for the Vernon G. Grove Research Library within the Department of Mathematics. Specific responsibilities include supervision of support and student staff, collection management and development activities for the areas of mathematics and statistics/probability, including the administration of materials budget of over \$200,000. Participates in the full range of reference and instructional service; provides assistance

in using electronic bibliographic reference tools. Maintains effective liaison with the departments of Mathematics, Statistics and Probability and the Libraries; performs other duties as assigned.

Participates in relevant Library, University, state and national organizations, including research and publications or other scholarly activities.

**QUALIFICATIONS:** Minimum qualifications include an ALA-accredited MLS; understanding of provision of reference service in an electronic environment including the Internet; excellent written and oral communication skills; demonstrated ability to work effectively with students, faculty and staff; demonstrated ability to be flexible in a dynamic environment; preparation and commitment to conduct independent scholarship consistent with a librarian appointment; capacity and commitment to engage independently in continuing professional development. Appointment at the Librarian II level requires, in addition to the above, a minimum of three years of professional library experience; Desired: background in the sciences, particularly mathematics; foreign language background, preferably German, French or Russian.

**CAMPUS AND LIBRARIES:** Michigan State University Libraries serve more than 4,000 faculty and academic staff, 34,000 undergraduates and 9,000 graduate and professional students on a park-like campus of over 5,000 acres. The Main Library and 14 branch libraries have combined holdings of over 4 million volumes. East Lansing is a community of approximately 50,000 located adjacent to Lansing, the state capital.

**COMPENSATION:** \$33,000 minimum. MSU provides generous fringe benefits.

**Closing Date:** Applications received prior to 6/18/99 will receive priority consideration. Applications will be accepted until this position is filled.

Interested applicants should submit a letter of application, resume, and the names and addresses of three references to: Carole Armstrong, Libraries Human Resources, Michigan State University Libraries, 100 Library, East Lansing, MI 48824-1048 or fax them to: (517) 432-3532, attention Diane.

For information about this job search, e-mail [mayers@pilot.msu.edu](mailto:mayers@pilot.msu.edu); please include the PRO number from the top of the posting.

For more information about Michigan State University Libraries, visit our website at: <http://www.lib.msu.edu/>

Persons with disabilities have the right to request and receive reasonable accommodation

Michigan State University is an Affirmative Action/Equal Opportunity Institution

Diane Mayers  
100 Main Library

Human Resources Office  
Michigan State University  
E. Lansing, MI 48824-1048  
telephone (517) 432-1362  
fax (517) 432-3532  
e-mail: [mayers@pilot.msu.edu](mailto:mayers@pilot.msu.edu)  
[mayers@mainlib3.lib.msu.edu](mailto:mayers@mainlib3.lib.msu.edu)

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### National Science Foundation

The National Science Foundation in Arlington, VA has a position open for a librarian. This is a federal government position (not contract), GS 9/11 with promotion potential to 12.

We are a small library (staff of three), so the work is highly varied, including reference, technical services, interlibrary loan, training, and webpage development/maintenance.

The National Science Foundation is funding agency of the federal government, giving grants for pure research in all areas of the sciences, mathematics, engineering, social sciences, and science education. It also administers the US research effort in Antarctica.

Arlington is a suburb of Washington, DC. The NSF is in a new building right at the Ballston metro stop, convenient to public transportation, restaurants, a shopping mall, the public library, and tree-lined streets of residential neighborhoods.

For more information, see the position announcement on our website at:

<http://www.nsf.gov/cgi-bin/getpub?vgs9978>

Closes 6/14/99.

Stephanie Bianchi, NSF Library.

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### POSITION: Science Electronic Resources Coordinator, Instructional Support Technician, (SL-3)

**RESPONSIBILITIES:** In consultation with the Science Library Coordinator and faculty, the Electronic Resources Coordinator plans, directs, and supervises high quality electronic resource services, including access to databases, multimedia, and Internet-based resources. Actively participates and provides leadership in the development of initiatives which may include undergraduate information literacy instruction. Serves as liaison to the Center for

Excellence in Teaching and Learning, the Interactive Media Center, and other technology-related library groups. Provides individual and group instruction in the use of electronic resources. Develops on-line and print user education materials. Provides reference services during assigned hours, including some evenings and weekends.

The Science Electronic Resources Coordinator reports to the Science Library Coordinator.

**QUALIFICATIONS:** Required: Bachelor's degree or higher. Preferred: Significant academic background in the sciences or mathematics. Coursework in library or information science. Knowledge of microcomputer operating systems, networking technology, and multimedia. Demonstrated teaching and communication skills. Reference service experience in an academic library working with print, electronic, and networked technologies. Development of Web-based electronic resources training programs, either for public or staff use. Ability to work as part of a team as well as independently. Supervision of student staff.

**SALARY:** Commensurate with education and experience. Salary minimum \$30,000.

**TERMS & BENEFITS:** Twelve month appointment; sick leave and annual leave @ 1.25 days each per month; health insurance, major medical or Health Maintenance Organization. Social Security coverage. TIAA/CREF or New York State Teachers Retirement available (employee contribution rate = 3%).

**CAMPUS & COMMUNITY:** The University at Albany is the oldest state chartered public institution of higher education in New York. Established in 1844, Albany celebrated its sesquicentennial in 1994. Designated as a University Center of the State University of New York, Albany has a broad mission of undergraduate and graduate education, research and public service. More than 16,000 students are enrolled in the eight degree-granting schools and colleges of the University, which is noted for its achievement of both diversity and excellence.

The Albany area provides a wide range of cultural and recreational opportunities. The University is located in New York's Capital Region, 150 miles north of New York City, 150 miles west of Boston. The Capital Region has a population of approximately 750,000.

**APPLY TO:**

Christine M. Travis, Library Personnel Officer  
University Libraries - UL-112  
University at Albany  
State University of New York  
1400 Washington Avenue  
Albany, New York 12222

**DEADLINE:** Review of letters of application and resumes will begin June 15, 1999. Please include the

names, addresses, and phone numbers of three references that may be contacted.

THE UNIVERSITY AT ALBANY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

**POSITION: Science Reference Librarian/  
Information Consultant**

**RESPONSIBILITIES:** The Science Reference Librarian/Information Consultant provides reference/information and research strategy consultation for individual library users. The Librarian identifies, interprets and provides access to print and electronic information resources in all formats for specified science disciplines including chemistry, physics, computer science, mathematics and statistics, biological sciences, geological science, and atmospheric science and instructs faculty and students in their analysis and use. The Librarian serves as subject expert for electronic and network resources; develops instructional programs and tools for effective use of technology for both on-site and remote users; and develops web guides and web resources. The Librarian develops and manages collections in all formats for one or more assigned science disciplines. Participates in evening and weekend assignments.

The Science Reference Librarian/Information Consultant reports to the Coordinator, Science Library. Research, publication and service to the Libraries, university and profession are expected to satisfy criteria for continuing appointment and promotion.

**QUALIFICATIONS:** Required: Graduate degree in librarianship from an ALA-accredited institution or foreign equivalent. Significant academic background or experience in science or mathematics. Preferred: Degree in chemistry, physics, or mathematics and/or professional experience in a science-oriented research library. Demonstrated knowledge of the information needs of scholars in the sciences; proficiency in use of electronic resources; knowledge of HTML and other Web protocols; experience in producing web-based and other electronic resources. Excellent teaching and communication skills. Desired: Reference services experience in an academic library working with information and networked technologies.

**SALARY:** Commensurate with education and experience. Minimum for Assistant Librarian, \$30,000; minimum for Senior Assistant Librarian, \$34,000.

**TERMS & BENEFITS:** Twelve month appointment; sick leave and annual leave @ 1.25 days each per

month; health insurance, major medical or Health Maintenance Organization. Social Security coverage. TIAA/CREF or New York State Teachers Retirement available (employee contribution rate = 3%).

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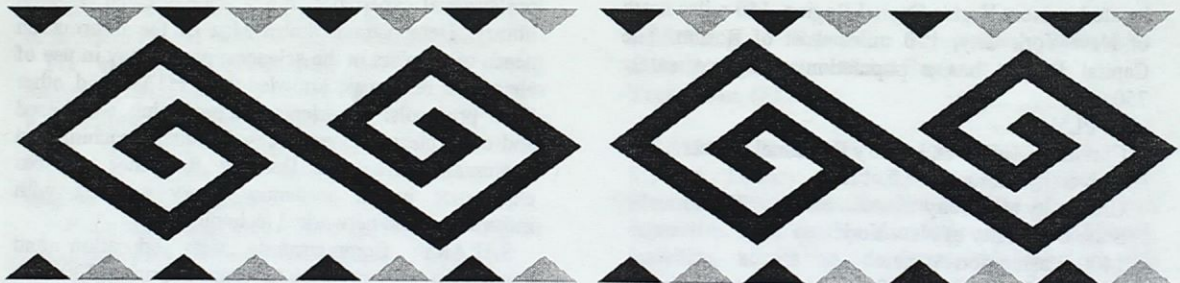
**THE UNIVERSITY AT ALBANY IS AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER**

**CONFERENCE / SEMINAR ANNOUNCEMENTS**

The University of Cambridge is holding a Science International Summer School from the 11<sup>th</sup>-31<sup>st</sup> July this year. This intensive, interdisciplinary programme of lectures and seminars contains a course of plenary lectures collectively entitled '*The Natural World*.' These will address a range of topics to include, for example, the contributions of Newton, Darwin and other major scientific figures and representing additional areas such as astronomy, geology, mathematics, geophysics and palaeontology. There will also be a specialised study of one subject per week comprising of four broad categories: plant science, zoology, history and philosophy of science and environmental science.

We hope that most participants should be able to cover their own costs and expenses, however we are offering a limited number of scholarships for the programme to applicants who have tried all other available resources in their own countries without success and can show evidence of this.

Ali James  
University of Cambridge International Programmes  
Maddingley Hall  
Maddingley  
Cambridge CB3 8AQ  
Tel: 01954280220  
FAX: 01954280200  
E-mail: [cmb32@cam.ac.uk](mailto:cmb32@cam.ac.uk)



## INTERNET NEWS

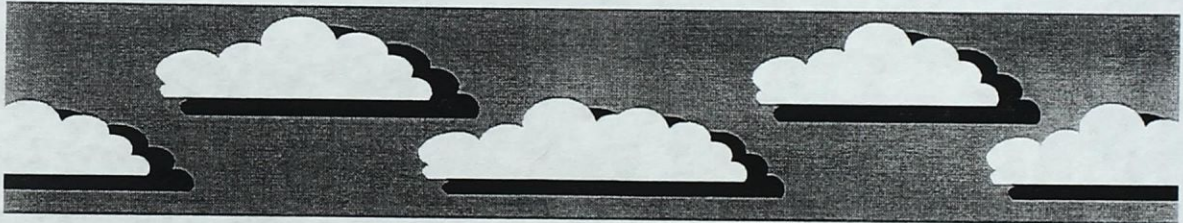
**Geoprofessional, Environmental, and Civil Forensic Experts now listed at: <http://www.asfe.org>**

Silver Spring, MD – Firms and individuals who provide forensic research and expert witness services in geotechnical, environmental, and civil engineering and the geosciences are now listed at <http://www.asfe.org>, website of ASFE.

Use of the website is free of charge. Firms and individuals are listed alphabetically by state and, outside the U.S., by nation.

More information about the new service and forensic engineering is available on ASFE's website or by contacting the organization directly:

8811 Colesville Road  
Suite G106  
Silver Spring, MD 20910  
Tel: 301/565-2733  
FAX: 301/589-2017  
E-mail: [info@asfe.org](mailto:info@asfe.org)



**Mary Frances Lembo**  
**GIS Newsletter Editor**  
**406 Shoreline Ct**  
**Richland, WA 99352**

**Bulk Rate**  
**U.S. Postage**  
**PAID**  
**Permit No. 193**  
**Richland, WA 99352**

Michael Mark Noga  
Massachusetts Institute of Technology  
Science Library  
14S-134  
Cambridge MA 02139-4307