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PRESIDENT'S COLUMN

One of jobs of the GIS President is to guide the committees that do the work that characterizes the Geoscience Information Society, and appoint members to these committees. A related job is to appoint representatives who attend the meetings of organizations with similar missions, report on what GIS is doing and report back to GIS via the newsletter about activities of these groups. As I have been making these appointments over the past two months, I have been impressed by the number of involved members and the wide range of that involvement!

In this newsletter, you will find the current list of Officers, Appointees, Representatives, and Committees. These appointments are almost complete, but I am still looking for people to help in some areas, as explained below.

- April Love needs more committee members to work with her on the Exhibit at the annual meeting. The GIS Exhibit gets a lot of attention at the annual meeting, and showcases Internet resources as well as GIS activities and publications.
- We need people to be representatives to ALA-MAGERT and the North American Cartographic Information Society. This involves attending meetings of these groups and reporting to the GIS membership through notes in the Newsletter.
- The Cartographic Users Advisory Council (CUAC) usually has two representatives from each member society, so we are looking for a member in addition to Richard Spohn. This is a great opportunity to be involved in making recommendations to national mapping agencies and other groups regarding what users need in terms of print and electronic maps.
- Linda Musser has agreed to stay on as the Reviews Editor only until someone else volunteers. The Reviews Editor contributes a lot to the content of the Newsletter, and helps keep the membership up-to-date with the literature.

Please let me know soon if you are interested in volunteering for these positions!

You may notice some changes in committee names this year, to better reflect a committee's purpose and structure. The International Issues Committee is now the International Initiatives Committee. The Ad Hoc Committee for International Geoscience Information Meetings is now the Ad Hoc Subcommittee for GeoInfo VI, of the International Issues Committee. There is now a standing Website Advisory Committee, instead of the Ad Hoc Committee on the GIS Website. There has been some discussion of merging the functions of the inactive GEONET-L Advisory Board with the Website Advisory Committee, but a final decision has not yet been made. Instead of forming an Ad Hoc Committee on the Union List of Geologic Field Trip Guidebooks, 7th Edition, it was decided to form an Ad Hoc Committee on the Future of the Union List of Field Trip Guidebooks, to make recommendations regarding the existence, content, format and distribution of future editions of the Union List of Geologic Field Trip Guidebooks.

What are the committees doing this year? A major revision of the membership brochure and application is a high priority of the Membership committee, in order to update the content and create a publication that reflects the lively nature of the Society. The Digital Data Committee has discussed coordinating with the Collection Development Committee to develop a program about electronic journals for the annual meeting. There has been a lot of activity from the International Initiatives Committee (IIC). A proposal that GIS develop an international sponsored membership program has been approved and implemented this year, with the distribution of the membership renewal letters. The IIC Subcommittee on GeoInfo VI is working hard on the plans and publicity for the combined Third International Meeting of Science Editors and the Sixth International Conference on Geoscience Information to be held in 1998. As mentioned above, a group is dedicated to developing recommendations on the future of the Union List of Geologic Field Trip Guidebooks.

GIS could not accomplish its mission without the active members who serve on committees or as representatives. However, it is not necessary to be committee member, appointee or representative in order to contribute to GIS. The Newsletter Editor, Mary Frances Lembo, will be happy to receive contributions for the newsletter. If you have attended a meeting and have a report to share with the membership, are using an information resource and would like to write a review, have news regarding changes in publications from government agencies, or any other notes relating to geoscience information, please send them to the Newsletter Editor. Committee chairs will be looking for input regarding the decisions they are making or programs they are planning, so watch for requests for ideas here in the Newsletter or on GEONET-L. We want to hear from you!

Barbara J. DeFelice
GIS President

GEOSCIENCE INFORMATION SOCIETY
February, 1996 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 April, 1997 issue of the GIS Newsletter should be received no later than 20 March 1997. If possible, please send materials by e-mail or on IBM-compatible disc WordPerfect 5.1, WordPerfect for Windows 6.1, or ASCII format).

TREASURER'S REPORT

Approved 1997 Operating Budget

The GIS Executive Board approved the following 1997 operating budget during the January 17 teleconference. As in previous years the projected expenses exceed income. Experience has shown that none of the budget details is predictable and we usually conclude the year close to a balanced budget. (See the final 1996 report coming in the April GIS Newsletter.)

ITEM	INCOME	EXPENSES
Executive Board		\$ 1,735.00
Meetings		\$ 4,700.00
Dues	\$9,415.00	
Publications	\$6,350.00	\$10,450.00
Representatives/ Appointees		\$ 650.00
Committees		\$ 1,515.00
AGI Society Dues		\$ 725.00
Gifts	\$ 150.00	
Bank Charges		\$ 25.00
Interest	\$ 650.00	
TOTAL	\$16,565.00	\$19,800.00

Sally Scott
GIS Treasurer

VICE PRESIDENT'S COLUMN

The Vice-President's first responsibilities are to make the arrangements for the annual meeting, so that's what I've been working on.

I sent GSA this summary of our symposium, "The Costs and Values of Science Information." New technologies and reduced budgets have caused radical changes in the ways we produce, distribute, and use geoscience reports. This symposium will examine the impacts of these changes from different points of view, bringing together scientists, editors, publishers, and librarians to explore the costs and values of the geoscience report.

The symposium is starting to shape up. So far, I have commitments for 4 papers, from a mix of scientists, editors, and librarians. I've contacted some other folks, including some publishers, and I'm on the look-out for more. Watch this space for developments on that.

I sent GSA this summary of our Technical Session: "Geoscience Information Issues in a Rapidly Evolving Environment." The geoscience information world is evolving at an ever-increasing pace. This Technical Session will present updates on the triumphs of Internet connectivity, new patterns of information use, the impacts of administrative decisions, the developments in preservation technologies, and other issues in the geoscience information profession.

Our technical session is always a terrific chance to tackle our problems and show off our successes (and get published, too!). Let me know if you have ideas for a paper or poster.

Last year, more than 44% of the abstracts were submitted to

GSA electronically. It was a great success, so they're encouraging it again. (Another plus is that the accepted abstracts that were submitted electronically will appear on the web after September 1!) They'll still accept paper copies, and I'll have those forms in March.

This year, GSA is forced to charge a fee (\$15) to submit an abstract. If that's a hindrance to anyone, let me know, and I'll see what we can work out.

The next order of business is to schedule the various annual meeting events (e.g., the Digital Database Forum). I've been chatting with those committee chairs to get their ideas and preferences, and I'll be sending the preliminary schedule to GSA shortly.

Connie Manson
GIS Vice President

MEMBER NEWS

"A Century of Geophysics: the Journal of Geophysical Research at its Centennial" was the theme of a special session held at the American Geophysical Union's fall meeting in San Francisco on December 17. Among the presenters was **Shaun Hardy** (Carnegie Institution of Washington), who spoke on changes in JGR's publication characteristics, authorship, and subject content over the past ten decades. Other talks discussed the founding and early years of the journal, its role in defining geophysics as a distinct discipline in the early 20th Century, and the editing/publishing of JGR-Space Physics during the 1960s.

**GEOSCIENCE INFORMATION SOCIETY
OFFICERS, APPOINTEES, REPRESENTATIVES AND
COMMITTEES - January 1997**

Elected Officers:

President: Barbara J. DeFelice Oct. 1996-Oct. 1997
Vice President/President Elect: Connie Manson Oct.
1996-Oct. 1997
Past-President: Nancy L. Blair Oct. 1996-Oct. 1997
Secretary: Lisa G. Dunn Oct. 1996-Oct. 1999
Treasurer: Sally J. Scott Jan. 1996-Dec. 1997

Appointees:

Auditor: Dennis Trombatore 1994-1997
GEONET-L Editor: Lois Heiser 1994-
Newsletter Editor: Mary Frances Lembo 1997-
Publications Manager: Lois Heiser 1994-
Publicity Officer: Carol J. La Russa 1996-Oct. 1999
Reviews Editor: Linda Musser 1993-Oct. 1997
Webpage Editor: Vivienne Roumani-Denn 1995-

Representatives:

AGI, GeoRef Advisory Committee: To Be Announced
AGI, Government Affairs Program: Marie Dvorzak
1996-Oct. 1999
AGI, Member Society Council: Barbara Haner
1995-Oct. 1998
AGI, Environmental Advisory Committee: Joanne Lerud
1995-Oct. 1998
ALA, MAGERT: Vacant
Cartographic Users Advisory Council (CUAC): Richard Spohn
1 1994-Oct. 1998
North American Cartographic Information Society: Vacant
SLA Map & Geography Division: Elaine Clement
1995-Oct. 1997
Western Association of Map Libraries: Richard Spohn
1994-Oct. 1998

Committees:

1997 ANNUAL PROGRAM COMMITTEE
Connie Manson, Chair Oct. 1996-Oct. 1997
Charlotte Derksen 1997
Richard Soares 1997

Purpose: Assist VP organizing annual meeting activities

ARCHIVES:

Mary Krick, Co-Chair 1996-Oct. 1999
Lois Pausch, Co-Chair 1996-Oct. 1999
John Kuwala 1996-Oct. 1999

Purpose: Responsible for archiving and preservation of society records.

BEST PAPER AWARD

Louise Zipp, Chair 1996-Oct. 1999
Susan Goodman 1996-Oct. 1999
Pat Hailey 1995-Oct. 1997

John Hunter 1996-Oct. 1998
Linda Musser 1996-Oct. 1998
Kathleen Spencer 1996-Oct. 1998
Margy Walsh 1996-Oct. 1999

Purpose: Determine winner of award for best paper in geoscience information.

BEST REFERENCE WORK (Mary B. Ansari Award)

Joni Lerud, Chair 1996-Oct. 1999
Agnes Adams 1996-Oct. 1998
Michael Farmer 1996-Oct. 1998
Linda Newman 1994- Oct. 1997
Michael Noga 1996-Oct. 1999
Jim O'Donnell 1996-Oct. 1999

Purpose: Determine winner of the Mary B. Ansari Best Reference Work Award

COLLECTION DEVELOPMENT ISSUES

Steve Hiller, Chair 1994-Oct. 1997
Charlotte Derksen, 1996-Oct. 1999
Peggy Merryman, 1996-Oct. 1999
Michael Noga, 1996-Oct. 1999
Vivienne Roumani-Denn, 1996-Oct. 1999

Purpose: Collect, analyze, disseminate, and publish data on geoscience literature costs; investigate, respond to issues; report on cooperative collection development issues.

DIGITAL DATA

Vivienne Roumani-Denn, Chair 1994-Oct. 1997
Susan Bolton, 1996-Oct. 1999
Jan Ferrari, 1996-1998
Mark Finnegan, 1994-Oct. 1997
Ian Gordon, 1995-Oct. 1997
Shaun Hardy, 1996-Oct. 1999
David Lepse, 1993-Oct. 1997

Purpose: Monitor and evaluate new products; report to the membership via the Newsletter and/or Digital Data Forum.

EDUCATIONAL INITIATIVES

Reggie Brown, Co-Chair
Mary Krick, Co-Chair

Purpose: Develop programs for educational services.

EXHIBITS

April Love, Chair

Purpose: Plan, design and arrange for GIS exhibits and maintain booth materials.

GEONET-L ADVISORY BOARD: Inactive

Purpose: Serve as an advisory board to GeoNet-L monitor.

GeoRef USERS' GROUP STEERING COMMITTEE

Suzanne Larsen, Chair, 1991- Oct. 1997
Glenn Cook 1996-Oct. 1998
Ian Gordon, 1994-Oct. 1997
Shaun Hardy, 1996-Oct. 1999
Carolyn Laffoon, 1996-Oct. 1998
Caryl Shields, 1996-Oct. 1999

Purpose: Advise GeoRef on problems/enhancements; advise vendors on online implementation; share searching techniques; educate non-users; conduct workshops.

GUIDEBOOK STANDARDS

Richard Spohn, Chair 1996-Oct. 1999
Lorraine Knox, 1996-Oct. 1999
Carol Messick, 1996-Oct. 1998
Mary Spencer, 1996-Oct. 1999
Marilyn Stark, 1996-Oct. 1998
Thelma Thompson, 1996-Oct. 1999

Purpose: Revise, distribute guidelines; determine winner of best guidebook award.

INTERNATIONAL INITIATIVES

Claren Kidd, Chair 1996-Oct. 2000
Xiping Cao, 1996-Oct. 1998
Beverly Chen, 1996-Oct. 1999
Zelda Colodner, 1996-Oct. 1998
Glenn Cook, 1996-1999
Julie Hallmark, 1996-Oct. 1998
Barbara Haner, 1996-Oct. 2000
Dena Hanson, 1996-1998
Independencia Iselidh, 1996-Oct. 1998
Dorothy McGarry, 1996-Oct. 1998
Torre Torngren, 1996-1999
Patricia Yocum, 1996-Oct. 1999

Purpose: Investigate, report on and recommend internationally-focused activities for GIS.

Ad Hoc Subcommittee for GeoInfo VI

Claren Kidd, Chair 1996-Oct. 1999
Beverly Chen 1996-Oct. 1998
Glenn Cook 1996-Oct. 1999
Julie Hallmark 1996-Oct. 1998
Barbara Haner 1996-Oct. 1998
Dena Hanson 1996-Oct. 1999
Shaun Hardy 1996-1999
Dorothy McGarry 1996-Oct. 1998
Richard Walker 1996-Oct. 1998
Patricia Yocum 1996-Oct. 1998

Purpose: To serve as a liaison to organizers of GeoInfo Conferences.

MEMBERSHIP

Jim O'Donnell, Chair 1996-Oct. 1999
Kay Baker, 1996-Oct. 1999
Beverly Chen, 1996-1998

John Kawula, 1996-Oct. 1999
Mary Krick, 1996-1998
Carolyn J. Laffoon, 1996-1999
Clara McCleod, 1996-1998
Richard Soares, 1996-Oct. 1998

Purpose: Review/revise brochure; solicit new members. Contact members who have not renewed and welcome back members who renew very late.

1997 NOMINATING

Nancy Blair, Chair 1997
Lois Pausch, 1996-Oct. 1998
Miriam Sheaves, 1996-Oct. 1999
Janet Sorenson, 1996-Oct. 1998

Purpose: Nominate candidates for elective offices; prepare, mail, count ballots and report results.

PRESERVATION

Linda Musser, Co-Chair 1996-Oct. 1999
Lisa Recupero, Co-Chair 1996-Oct. 1999
Elaine Clement, 1996-Oct. 1998
Elizabeth Fish, 1996-Oct. 1999
Clara McCleod, 1996-Oct. 1999
Michael M. Noga, 1996-Oct. 1999
Lois Pausch, 1996-Oct. 1998
Louise Zipp, 1996-Oct. 1999

Purpose: Recommend GIS's role in preservation activities; distribute preservation information to the membership.

WEBSITE ADVISORY COMMITTEE

Vivienne Roumani-Denn, Chair, 1994-Oct. 1999
Nancy Blair, 1995-Oct. 1998
Susan Bolton, 1995-Oct. 1999
Charlotte Derksen, 1995-Oct. 1999
Lois Heiser, 1995-Oct. 1999
Clara McCleod, 1995-Oct. 1998

Purpose: To advise on the content and organization of the GIS Website.

1997 Ad Hoc Committee on the Future of the Union List of Field Trip Guidebooks

Charlotte Derksen, Chair 1997
Lura Joseph, 1997
Dorothy McGarry, 1997
John Mulvihill, 1997
Jim O'Donnell, 1997
Richard Spohn, 1997

Purpose: To make recommendations regarding the existence, content, format and distribution of future editions of the Union List of Field Trip Guidebooks.

THE LIBRARY AND INFORMATION SERVICES OF THE COUNCIL FOR GEOSCIENCE (SOUTH AFRICA).

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Introduction

After more than one hundred years as part of the now Department of Mineral and Energy Affairs, the Geological Survey became an independent statutory body on 1 November 1993, by implementation of the Geoscience Act (Act 100 of 1993). Now named the Council for Geoscience, it is located in Silverton, in eastern Pretoria.

The Council has its origins in the Geological Commission of the Cape of Good Hope (1895), the Geological Survey of the Transvaal Republic (1898) and the Geological Commission of Natal and Zululand (1899). The Geological Survey of the Union of South Africa came into being in 1913.

Chief Functions of the Council

The chief functions of the Council are as follows :

- The systematic documentation of the earth's surface within South Africa, the compilation of geological, geophysical, geochemical and other earth science information, and the publishing of that information in maps and documents.
- Geoscientific research on rocks, ores, minerals, formations, fossils etc. in South Africa, and the publishing of this information in national and inter-national publications.
- The collection and storage, in national databases, of geoscientific data and information on the Republic of South Africa.
- Provision of geoscientific information and advice to the government.

Aims

These functions are undertaken with the following aims in mind :

- To reduce the geological and scientific investment risk to national and international entrepreneurs in the mining sector;
- To make basic geological data available to ensure safe, cost-effective physical infrastructure which avoids sterilization of usable minerals;
- To provide the basic knowledge to ensure safe, cost-effective urbanisation and housing development. Dangers such as sink-holes in dolomite areas, seismic activity as consequence of mine-related earthquakes, and flood hazards, are of particular importance. The identification of construction materials, waste-disposal sites and cemeteries is also important.
- To carry out research on raw materials necessary for clothing and feeding the nation.

The Information Services Division

The Information Services Division of the Council is not only responsible for the compilation and dissemination of information generated by staff of the Council, but also for the acquisition,

documentation, storage and retrieval of information for use by researchers.

Sections:

Sections in the Information Services Division include, amongst others, the following :

Information Section. The information section is responsible for the acquisition, storage and distribution of internal reports and publications of the Council. This also includes the management of SAGEOLIT (South African Geological Literature) bibliographic database, which contains bibliographic references to internal reports, as well as selected periodical articles housed in the Information section and library. Subject specialists from each division of the Council are responsible for marking articles in journals on display in the library. The references are then scanned with an abstract into the SAGEOLIT database. The Bookshop subsection is responsible for the sale of the publications of the Council.

Geological Museum The museum of the Council is housed in the building of the Transvaal Museum in central Pretoria. It provides an opportunity for museum visitors to become acquainted with various aspects of the earth sciences and also provides a valuable educational service to visiting school groups. To further boost these activities, a multimedia kiosk with touch screen is available.

Library The library of the Council is considered to be the national geological library of South Africa and the most comprehensive of its kind in Africa. It offers a comprehensive information service to all staff members, as well as to the national and international geoscience community.

Sections: Subsections of the library include a Map library and an Archive. Bibliographic references to individual sheet maps as well as maps in publications, are available by means of a separate database which will eventually become integrated with the SAGEOLIT database.

The purpose of the Archive is to house important publications on the geological history of Southern Africa and mining development, as well as publications of the pioneers of geology.

Collection. The library collection consists of books (monographs), periodicals (subscription and exchange) as well as a pamphlet, microfiche and video collection. It covers all fields of geology, including palaeontology, mineralogy, geochemistry, geophysics, seismology, engineering geology and fossil fuels, as well as computer sciences. The trend in collection building is also towards environmental aspects such as pollution, waste management and disposal, and ground water resources. The library currently has a collection of 14 500 monographs and a total of 2 000 journal titles of which 800 are current. There are exchange agreements with 370 institutions nationally and internationally; the library is the sole holding library of some series in South Africa.

Access to Geological Information

Although membership of the library is restricted to employees of the Council, members of the public are welcome to make use of the facilities. Access to geological information is possible by

personal visits, or requests by letter and telephone.

Regional offices The library is responsible for the provision of information services to the seven regional offices in various centers in the country.

The services provided include a core library of standard textbooks, as well as theses relating to the area. Copies of requested journal articles are also provided.

The regional offices do not have direct access to the databases available, but literature searches are undertaken by the library staff on request.

Means of access The library offers access to geological information by various means :

Interlending: It is a member of the national interlending scheme and makes use of the interlending subsystem of SABINET (South African Bibliographic and Information Network). Holdings of monographs and journals are continuously added to the SACat database.

Databases: The library provides access to SAGEOLIT. Initiated in 1983, SAGEOLIT contains some 75 000 references to articles in journals received by the library. African data from SAGEOLIT was recently made available to SADC (Southern African Developing Communities) on CD-ROM.

The library subscribes to the *GEOREF* and *GeoSEARCH* databases on CD-ROM. Council staff and researchers can undertake bibliographic literature searches.

GEOREF is a commercial product that contains bibliographic references to articles gleaned from 22 000 international titles. It is compiled by the American Geological Institute and covers world geology from 1933.

GeoSEARCH contains five databases:

- *GeoArchive* from Geosystems in the United Kingdom, with approximately 800 000 references;
- *Publications of the British Geological Survey*. The coverage is worldwide, with European and Chinese literature receiving extensive coverage.
- *British Geological Survey Library Serial Holdings*; and
- *Publications of the Australian Geological Survey Organization*.

Although not all publications cited in *GEOREF* and *GeoSearch* are available in the library, a bibliography of references on the subject can be supplied.

Computerised catalogue: The library uses the ILIS4 library management system to provide access to the complete book collection as well as to the subscription journals. Retrospective cataloguing of the pamphlet collection and the exchange publications is still in progress.

Internet. Access to the Internet is also available in the library for staff members. The Council has a homepage on the Internet which can be accessed via : www.geoscience.org.za

Conclusion

With the facilities at its disposal, the library as part of the Information Services Division is equipped to satisfy the information needs of the geoscience community.

Sources consulted:

Council for Geoscience. (South Africa). 1995. Annual report 1994-1995. Pretoria.

Council for Geoscience (South Africa). 1996. Unpublished brochure.

Council for Geoscience (South Africa). 1995. The Information Services Division. Pretoria. Unpublished Brochure.

ACTION PLAN FOR THE PRESERVATION OF GEOSCIENCE LITERATURE PRESERVATION COMMITTEE, GEOSCIENCE INFORMATION SOCIETY - Fall 1996 (last revised Oct. 22, 1996)

The GIS Preservation Committee co-chairs submitted the following Action Plan for the Preservation of Geologic Literature to the GIS membership at the Annual Meeting in October. The plan met with very positive response. The Committee is moving forward with the formation of sub-committees and the identification of pilot projects. Those GIS members who are interested in participating in a sub-committee can contact either Linda Musser (LRM@PSULIAS.PSU.EDU) or Lisa Recupero (L2R@PSULIAS.PSU.EDU), Preservation Committee co-chairs. The Plan is available on the Web at

<http://vector.gis.psu.edu/gispres.html>

I. Importance of the Geoscience Literature

The mineral industries have played a fundamental and critical role in the development of civilization and the course of history. From the time of the discovery of the New World, mineral wealth has played an important role in the history and development of not only the United States but of many countries. Formal mining ventures have existed in the US since the early 1600s. Creation of state geological surveys commenced in the 1830s with the goals of increasing the wealth and economic development of the states. Many early records of industrial developments in the US are closely tied to the development of the mineral industries of the nation. Yet records of these endeavors are rapidly deteriorating due to the age and unique nature of the records themselves.

The practical value of the geoscience literature can be measured in the centuries rather than in decades, which characterizes much of science. For, after all, how quickly does geology change? Information and data gathered over one hundred years ago remain perfectly valid and useful today. Practicing geologists and mineral engineers today routinely utilize materials published well before they were born. In addition, these older materials have gained increased significance as sources of historic information on the social and economic development of the nation. Thanks in part to this continued utility as well as its growing importance as a resource for historians, the records of geoscience research are suffering from severe physical deterioration.

The exceedingly poor physical state in which we now find the geoscience literature can be attributed not only to its popularity and age but also to some unique aspects of the literature itself. The geoscience literature relies heavily on maps and

illustrations, many of which are reproduced in color and are printed on folded sheets, both bound into the text and housed loose in pockets in the binding. Repeated folding and unfolding of these sheets frequently results in breakage along the fold lines. The inclusion of both color and folded maps and illustrations have made it impractical for these materials to be preserved via such methods as mass deacidification. Indeed, the presence of oversized, color illustrations has meant that the majority of this literature has been entirely overlooked in preservation efforts.

II. Goal

It is the goal of this committee to identify the core literature, appropriate preservation methods, promote and coordinate projects, and identify funding sources to support efforts to preserve the geoscience literature. We recognize that the value of this literature extends beyond the bounds of the geosciences and impacts fields such as history, sociology, anthropology, genealogy, natural history, environmental science, and geography.

Much of the bulk of the historic geoscience literature has been published on acidic paper with the result that materials are crumbling on library shelves. Many of these early records are state documents and thus are not restricted due to copyright limitations. Technologies now exist that offer great possibilities towards preserving not only the text but the color and oversized illustrations that accompany - and in many cases are the core - of these works.

III. Preservation Priorities

Preservation priorities for the geoscience literature will need to be identified. The USAIN project for preservation of agricultural literature established a method designed to rank the core literature based on citation analysis and scholarly assessment of potential future use. Based on the continued utility of historical geoscience literature, the same methodology may be applicable. Within the core literature exist categories of material. Inherent to each format are appropriate preservation techniques. Core material and the preservation issues of each category need to be identified. The primary categories include:

- Monographic/Serial Publications: Issues to consider for this category include: production of material grouped by ranges of dates based on the acid content of paper; size and format of the publication; and the use of a variety of text and images including color, b/w, photographs.
- Cartographic Publications: Issues to consider for this category include: production of material grouped by ranges of dates based on the acid content of paper; oversized format of the publication; material with multiple folds and large flat pieces; color (both printed and hand-colored), b/w and photographic images.
- Non-Print (includes tapes (audiovisual, audio, digital data), CD-ROMs, microfilm/fiche, magnetic disks, core samples and slides.): Issues to consider for this category include: decay of magnetic media, micro-media, etc.; non-uniform size and medium.

Other categories to consider include: Federal/State and Local documents and archival collections of primary literature.

IV. Preservation Technologies

As the core literature is identified, the appropriate technologies will need to be applied to ensure its preservation. Therefore it will be important to stay abreast of preservation technologies and be able to identify a "best method" (or "methods") of preservation.

Current technologies include:

- digitization (including scanning)
- microfilming
- facsimile production
- deacidification
- encapsulation

These techniques have progressed to the point where they are feasible not only for standard sized and monochrome documents but also for oversized and/or color documents. The challenge lies in selecting the correct combination of methods to meet the needs of the varied formats of the geoscience literature.

V. Funding

Identifying sponsors, partners and potential projects will be a primary initiative once the core literature and appropriate technologies are identified. Funding opportunities may be based on collection affiliation, collection size or content; type of material or geographic coverage of the material. Consortial agreements and projects will be investigated. There will be a great need to identify sources for grants, interested agencies and other possible partners for collaboration on preservation projects. While the Geoscience Information Society will take the lead on structuring and drafting a national plan, it will be outside funding and collaboration which will ensure the success of the plan.

VI. Access and Storage

Once material is identified and preserved, access and storage to the material will need to be addressed. Issues to be considered include: how and where preserved material will be stored -- national archives, large collections? How will material be stored-- digitally or traditionally? What methods of access will be available-- WWW interfaces for digitally stored material, or traditional ownership of material? How will the material be cataloged, and identified as a preservation copy? Will reproductions/use copies be available?

VII. Framework and Timeline

A. Subcommittees

To meet the goal of identifying and preserving the core geoscience literature, the following subcommittees will be established:

Core Literature Subcommittee

Charge: Develop criteria for identification of core geoscience literature. Identify the core literature and unique, strong collections. Establish priorities for preservation of the identified literature.

Preservation Technologies Subcommittee

Charge: Identify and stay abreast of preservation technologies. Establish criteria for "best methods" of preservation based on core literature types. Serve as technical advisory board for other

committees as needed.

Funding Subcommittee

Charge: Identify funding opportunities. Work with national and other organizations and agencies to identify possible partners and sponsors for preservation projects. Assist in drafting grants and proposals.

Access and Storage Subcommittee

Charge: Identify access methods and storage sites for the preserved literature. Look into the technological possibilities for access to preserved material.

The subcommittees will be appointed at or shortly after the annual meeting and work under the direction of the Preservation Committee co-chairs, who are appointed by the GIS president. It is desirable that the subcommittees be comprised of volunteers from a mix of libraries of various collection types and sizes.

B. Proposed Timeline

Annual Meeting, Fall 1996: Present Action Plan to GIS membership. Form and appoint members to subcommittees.
- Year 1, Fall 1996-Fall 1997: Conduct background research; have subcommittees prepare reports on their findings; mount documents on Web for review and comment by the Society; coordinate two pilot projects based on criteria formulated by the sub-committees.

- Year 2, Fall 1997-Fall 1998: Launch campaign to raise awareness for the preservation of geoscience literature; maintain and update subcommittee documents; assess results of the pilot projects.

VIII. Conclusion

The GIS hopes to serve as a clearinghouse for information and possibilities regarding the preservation of geoscience literature. Recognizing the large amount of material which needs to be preserved, and the evolution of technology, GIS plans to serve as a coordinating body for preservation projects rather than conducting and directing projects. The Society will provide information regarding priorities of material to preserve, best-method techniques for material-types, funding and partnership opportunities and information on preservation technologies. It will maintain a Web page of completed projects and information on experts in the field. Its goal is to serve as the catalyst agent in raising the awareness for the need to preserve geoscience literature.

The Geoscience Information Society recognizes the importance of historical geoscience literature, and through this national plan hopes to increase awareness of its value and preserve it for future use.

INTERNET RESOURCES

Announcing: New On-line Aerial Imaging Service

In a joint venture, Near Earth Observation Systems, Ltd.(NEOS) and Scan Systems, LLC. have introduced a new on-line aerial imaging service for land use planners, resource

managers, scientists and educators called "ON/Site Images". On/Site Images is a digital archive of high resolution (0.5m-1.5m) air photos and satellite images that may be previewed and ordered on the Internet. Through a unique sponsorship program, individuals and groups are helping Scan Systems and NEOS build a massive air photo archive of the Pacific NW. Once archived, the air photos become a valuable resource with great potential. For further information please contact: Richard McCreight, <neos@teleport.com> 541-754-5831 <http://www.scanner.com>

Web Site for the American Association of State Geologists

Janice Sorensen announced at the GIS meeting in Denver that there is now a Web Site for the Association of American State Geologists. This now gives web access to all of the existing "pages" for State Surveys; give it a look see. Please note that AASG must be in CAPITALS--
<http://www.kgs.ukans.edu/AASG/AASG.html>

Web Based Catalog

The Library of Congress, now has a new, experimental, web-based catalog. The URL is:
<http://lcweb2.loc.gov/ammem/booksquery.html>
See also Peter Scott's web page for updated information on his "webCATS" utility at:
<http://library.usask.ca/hywebcat/>
Peter Scott
<scottp@moondog.usask.ca>
Home Page: <http://www.usask.ca/~scottp/>

Geospatial Data on the Web

This Web page may be useful to anyone who is looking for on-line U.S. geospatial and attribute data and who doesn't have a lot of money to spend:
Starting the Hunt: Guide To On-line And Mostly Free U.S. Geospatial and Attribute Data
(<http://www.cast.uark.edu/~sp/hunt.html>)

ANNOUNCEMENTS, PUBLICATIONS, ETC.

Membership News

GIS announces 2 new individual memberships:

1. Sponsored Individual--a personal membership offered to a librarian from outside the United States and Canada and sponsored by an individual GIS member or an organization.

2. Pooled Fund -- a personal membership developed from a pooled fund and offered to a person or persons selected by the International Initiatives Committee from developing countries and Eastern Europe.

If you would like to increase our international membership, consider subscribing for a individual or contributing to the pooled fund. To do this, check the box on the membership renewal form.

Among the advantages of providing increased international

membership:

- facilitates sharing of knowledge and experience in the geosciences;
- creates opportunities for mentoring relationships;
- promotes international information exchange;
- provides networking opportunities with colleagues in a larger number of countries;
- expands the range of expertise within the Society;
- provides access to the GIS Newsletter, conference proceedings and membership directory in areas where they may not be locally available;
- provides local contacts for GIS members while traveling.

We hope that GIS's membership will continue to grow. Consider contributing to either or both types of new individual memberships.

Claren M Kidd Telephone 405 325-6217
100 E Boyd R220 Fax 405 325-6451 or 405
325-3180
University of Oklahoma
Norman, OK 73019-0628 email ckidd@ou.edu
USA

The Division of Mines and Geology Library in Sacramento, CA is pleased to announce the appointment of a new Supervising Librarian. **Ms. Rosemary Guerin-Place** has filled Ms. Sylvia Bender-Lamb's vacant position. Correspondence can be sent to her attention at the following address:

Ms. Rosemary Guerin-Place
Department of Conservation
Division of Mines and Geology Library
801 K Street, MS 14-34
Sacramento, CA 95814-3532

Call for Nominations

The Best Paper Award Committee is soliciting nominations for the 1996 Best Paper in geoscience information. Please send your nominations to any committee member:

Susan Goodman sgoodman@rci.rutgers.edu
Pat Hailey phailey@TUred.pa.utulsa.edu
John Hunter hunter@is.rice.edu
Linda Musser LRM@psulias.psu.edu
Kathleen Spencer spencer@plains.nodak.edu
Margy Walsh walshm@texaco.com
Louise Zipp, Chair lzip@iastate.edu

Bibliography of Canadian Geomorphology

The Canadian Geomorphology Research Group (CGRG) announces its *Bibliography of Canadian Geomorphology*. The bibliography contains over 4000 entries and can be searched over the Internet using the CGRG search engine. While many aspects of Canadian geomorphology are included, a substantial proportion of the entries relate to the Quaternary geomorphology of Canada. To search the bibliography, start at the CGRG home

page address and go the "Bibliography" chapter:
<http://geography.geog.uvic.ca/dept/cgrg/cgrg.htm>

Authors are invited to submit citations of their publications for inclusion in the bibliography. Forward these to Dan Smith at the address noted below, including if possible an abstract of the work.

Dan Smith
Department of Geography
University of Victoria
Victoria, British Columbia Canada V8W 3P5
Phone: (250)721-7328
FAX: (250)721-6216
email: dsmith@office.geog.uvic.ca
Canadian Geomorphology Research Group:
<http://geography.geog.uvic.ca/dept/cgrg/cgrg.htm>

Public Review of FGDC Accuracy Standards

The Federal Geographic Data Committee (FGDC) has released the Geospatial Positioning Accuracy Standards for a period of public review and comment closing on **May 15, 1997**. The FGDC invites State and local governments, academia, industry, and the public to review, test, and evaluate the proposed standards. Comments are encouraged about the content, completeness, and usability of the proposed standard.

The Geospatial Positioning Accuracy Standards provide a common methodology for reporting the horizontal and vertical accuracy of clearly defined features where the location is represented by a single point coordinate. They facilitate the interoperability of spatial data by providing a consistent means for users to directly compare positional accuracies obtained by different methods for the same point. This standard is the FGDC's first effort to integrate standards for different applications.

The Geospatial Positioning Accuracy Standards contain sections on reporting methods, a proposed standard for geodetic networks, and a proposed national standard for spatial data accuracy. The proposed geodetic standard will replace previous accuracy standards of the Federal Geodetic Control Subcommittee and the proposed spatial data accuracy standard will replace the United States National Map Accuracy Standard (U.S. Bureau of the Budget, 1947).

Requests for written copies of the Geospatial Positioning Accuracy Standards should be addressed to:
Geospatial Positioning Accuracy Standards Review,
FDGC Secretariat (attn: Jennifer Fox)
U.S. Geological Survey
590 National Center
12201 Sunrise Valley Drive
Reston, Virginia 22092
telephone 703-648-5514 facsimile 703-648-5755; or Internet
fgdc@usgs.gov.

The standard may be downloaded from this Internet address:
<ftp://www.fgdc.gov/pub/standards/Accuracy/>.
Comments may be sent to the FGDC at the above addresses.

REVIEWS

By Linda Musser

Subscription Update for RADIOCARBON

RADIOCARBON is rolling back its subscription prices for individual subscribers to 1988 prices! Effective 13 January, subscriptions to the current volume (Vol. 38) are reduced from \$85 to \$55/year for new subscribers. All individual subscriptions to Volume 39 will also be at \$55/year.

RADIOCARBON is doing this for a couple of reasons. First, their ratio of individual:institutional subscription prices has been higher than the norm for academic journals of our type (our institutional price is \$115). Second, as libraries worldwide respond to cost increases by cutting their serials subscriptions, they want to make it easier for individual scholars and researchers to have their own subscriptions.

Volume 38 includes the abstracts of the 7th International Conference on Accelerator Mass Spectroscopy, a special-topic issue on Soils Dating edited by Doug Harkness and Peter Becker-Heidmann (in press), and a special-topic issue on Oceans edited by Ellen Druffel, Ann McNichol, and Warren Beck.

For additional information on the journal, reply to c14@packrat.aml.arizona.edu or see our WWW pages at <<http://packrat.aml.arizona.edu/>>.

RADIOCARBON: An International Journal of Cosmogenic Isotope Research

Department of Geosciences, University of Arizona
4717 E. Ft. Lowell Rd., Tucson, Arizona 85712 USA
Telephone: 1-520-881-0857 Fax: 1-520-881-0554
WWW Server: <http://packrat.aml.arizona.edu>

Announcing: Complete U.S. Census on a Single CD-ROM

CensusCD contains the entire US Census, over 1.3 billion demographics, with an easy to use Windows interface on ONE(1) CD-ROM. *CensusCD* gives you reports on population, housing, occupation, education, income, race, language, ethnic background and much more, for any area in the US directly from your desktop

CensusCD requires an IBM compatible PC with at least a 386 processor, Windows (3.1x, 95, NT), a CD-ROM drive, 8 Mb of memory, and at least 2 Mb of free hard disk space.

Additional information about GeoLytics, the makers of *CensusCD*, can be found at their website:
<http://www.censuscd.com> You can contact GeoLytics via e-mail at info@censuscd.com or at 1-800-577-671. Or contact:
Michael J. Brennan Phone : 617-545-8969
GeoLytics Marketing E-mail : mbrennan@world.std.com
18 Curtis Street CensusCD@aol.com
Scituate, MA 02066 USA

New Professional Literature

- "Bridge to Asia issues call for books" by Jeff Smith (Specialist, October 1996, p.15) describes the materials needed by universities in China and Indochina.
- "Internet resources for ready reference" by Jeff Rosen and Carl E. Snow (College & Research Libraries News, January 1997, p.14-17) describes over 30 Internet sites ranging from directories and genealogy sources to meta-sites (sites with multiple types of resources).

New Professional Books

- *Unlocking the Door to Higher Compensation: Your Key to the Salary Maze*. SLA, 1996.
- *In Our Own Voices: the Changing Face of Librarianship*. Scarecrow Press, 1996.
- *Customer Service Excellence: A Concise Guide for Librarians*. ALA, 1996.
- *Digital Imaging for Libraries and Archives*. 1996.
- *Guide for Training Collection Development Librarians*. ALA, 1996.
- *Budgeting for Information Access: Resources*
- *Management for Connected Libraries*. ALA, 1997.
- *The Tell It! Manual: The Complete Program for Evaluating Library Performance*. ALA, 1996.
- *Descriptive Statistical Techniques for Librarians*. 2nd ed. ALA, 1997.

Photographing Minerals, Fossils & Lapidary Materials.

Scovil, Jeffrey A.
Tucson, AZ: Geoscience Press, 1996. 224 p. ISBN: 0945005210. \$40.00.

Photographing Minerals, Fossils, & Lapidary Materials is a book that covers a unique field of photography by someone who is considered to be the current master of the art. Much can be discovered about an author's interests by the arrangement of the chapter subjects. The lead two chapters of the 19 chapters are about the aesthetic considerations of subject choice and subject preparation. He leaves to the third through fifth chapters the discussion of cameras and film that typically lead off books of this type. The author assumes the reader is at least somewhat familiar with photography as there is no protracted discussion of how cameras and film work, except where it applies to photographing minerals, fossils, and lapidary materials. He covers 35mm, medium and large format cameras in these three chapters, mixing in information on camera mounts, tripods, and lenses.

The fifth chapter is on film choices. For the most part the author minimizes mentioning brand names and gives sound advice on the characteristics of camera and film and how they relate to making good photographs of minerals, fossils, and lapidary materials.

There are chapters on light sources, filters, background, and

light metering. Photographing lapidary materials and fossils are given their own chapters. In these are covered the special needs of lapidary and fossil photography. The chapter on fossil photography has information that I have not seen in any other place. The rest of the book covers special techniques that can be used on a variety of subject types. These are photomicrography, the making of magnified photos of small objects, fluorescence photography, photos of materials under black light, and stereophotography or 3d. photographs. Fluorescence photography and stereophotography are two unusual topics that are sparsely covered in the photography literature. The last chapters cover location photography and slide presentations. Also there are two appendixes covering the home-made gadgets the author has made to facilitate mineral photography and sources of supply. Source of supply lists are sure to go out of date quickly, so are not of much use after a few years.

As usual in photography books there is a glossary. Unusual is a bibliography in which I discovered a listing of a magazine article I wrote many years ago on location mineral photography. The illustrations are line drawings, black and white and color photographs. The quality of the black and white photographs is limited by the paper used for the body of the book but the color photographs are printed on glossy paper grouped in four sections and are of very good quality. This is not a coffee table book and all the photos are used to illustrate some point in the text. Most of the color photos are not by the author but by experts in one part of the field or another. I would have liked to have more and larger photographs by the author, as he is a master in the field of mineral photography.

Most of this information in the past was only available in magazine articles scattered over several magazines and many years. I know of no other book that covers more completely the field of photography of minerals, fossils and lapidary materials. As the author makes his living doing this kind of photography, which is a unique specialization, his advice is sound.

Reviewed by John Passaneau
President, Nittany Mineralogical Society
Physics Department, 104 Davey Lab
Pennsylvania State University
University Park, PA 16802 USA

FORTHCOMING MEETINGS

Information Management Seminars

Information Management Seminars will present two new professional development seminars on imaging/data management in Orlando, Florida on March 20 and 21, 1997. The seminars are intended for records managers office systems analysts, computer specialists, librarians, archivists, and other information professionals involved with computerized storage and retrieval of documents and data.

The first seminar, entitled "Computer Storage Devices and Media for Electronic Recordkeeping" will survey and compare magnetic and optical storage technologies and products for data bases, text files, images and other electronic records. The

second seminar entitled "Cost Analysis for Electronic Document Imaging" will examine cost calculation and justification concepts and methods for electronic document imaging implementations. Both seminars will provide practical advice for planning, evaluating, selecting, and implementing computer-based information systems.

The enrollment fee is \$230 per person per seminar. There is a special package price of \$399 for persons attending both seminars. Future offerings of these seminars are scheduled metro Detroit (Troy, Michigan) on June 5-6, 1997 and metro Boston (Cambridge) on June 12-13, 1997.

The instructor for these seminars is Dr. William Saffady, Professor in the School of Information Science and Policy, State University of New York at Albany and a well-known author and lecturer on information management topics.

The seminars are based, in part, on two of Dr. Saffady's recent books: "Electronic Document Imaging: A State of the Art Report" and "Computer Storage Technologies: A Guide for Electronic Recordkeeping." Both books were published by ARMA International in 1996.

For a copy of the seminar brochure or for additional information, contact Information Management Seminars, P.O. Box 84, Delmar, NY 12054; telephone: 518-439-2746; fax: 518-439-0968. The internet address for e-mail communications is ims@delphi.com. For a fast response, send us your fax number.

The National Federation of Abstracting and Information Services (NFAIS) has announced that its 1997 Annual Conference will be held February 23-26 at the Park Hyatt at the Bellevue Hotel (Walnut and Broad Streets, Philadelphia, PA).

The theme is: Publishing in the New Millennium II
MANAGING THE TRANSITION: Product Development & Marketing on the World Wide Web

Keynote addresses by: Dr. Toni Carbo, Robert Massie, Dr. Clifford Lynch, and Harry Collier

SPECIAL RATE FOR LIBRARIANS!!!
\$400 Academic Rate; Full Conference Registration rates for NFAIS Members: \$600, \$770 for non-members

For a copy of the program:
<http://www.pa.utulsa.edu/nfais.html>
Or, call NFAIS at 215-893-1561 to register.

JOB ANNOUNCEMENTS

Catalog Librarian (Maps Emphasis)

Responsibilities include: catalog and classify cartographic materials using AACR2rev., MARC formats, and the Library of Congress subject headings, rule interpretations, and classification system; create authority records for the Libraries' automated authority control file; participate in the development, documentation, and evaluation of unit policies and procedures as warranted. Minimum qualifications: MLS from an ALA accredited program; knowledge of MARC formats, AACR2rev., and Library of Congress subject heading and classification system; knowledge of automated cataloging using a national

bibliographic utility such as OCLC or RLIN; effective communication skills. Preferred qualifications: maps cataloging experience; course work in cartography or geography; working knowledge of at least one European or Asian language; knowledge of emerging technologies, especially the automation of library technical services functions. Salary negotiable, \$27,000 minimum.

Terms and Conditions: Fiscal year, 12-month appointment. Position to be filled contingent on funding. Faculty status possible with appropriate academic credentials. Application: Send letter of application, resume, transcripts for all graduate degrees (unofficial copies acceptable), and the names and telephone numbers of three references, at least one of which is a current or former supervisor to: C. William Barnett, Director of Library Business Services, 218 Bracken Library, Ball State University, Muncie, IN 47306. Review of applications will begin immediately and continue until the position is filled.

Ball State University is an equal opportunity, affirmative action employer and is strongly and actively committed to diversity within its community. Note: Funding was secured in November. Direct questions to Suzanne Rice, Dept. Chair at 317-285-5065 or 00ssrice@bsuvc.bsu.edu.

Assistant Reference Librarian

The Arthur Lakes Library at Colorado School of Mines invites applications for the position of Assistant Reference Librarian. Responsibilities include staffing the reference desk; providing instruction and assistance to library users, including instruction on electronic resources; online searching; reference collection development activities; serving as liaison to academic departments; participating on library and campus committees; participating in general operations of the Reference section; special projects as assigned. Some evening and weekend hours.

Requirements include an M.L.S. from an ALA-accredited program, and either a bachelor's degree in a science/engineering field or at least 1 year's experience in science/engineering library reference. Preference will be given to those who have a second master's degree in a science/engineering field; additional library experience in science/engineering; experience with computer applications, including online searching.

A strong public service orientation, flexibility to change, and good communications skills are of extreme importance. The candidate must also demonstrate a potential for professional growth and development.

Applicants should submit a resume and letter of interest to: Colorado School of Mines, Office of Human Resources Assistant Reference Librarian, Search #96-461010 1500 Illinois Street Golden, CO 80401 Fax: (303) 273-3278

Applications received by January 31, 1997 will be assured of consideration.

Colorado School of Mines is an institution dedicated to education and research in the field of minerals, energy, materials, and environmental concerns. CSM is an EEO/AA employer. Women and minorities are encouraged to apply.

This ad is available at:
<http://www.mines.edu/library/annc/jobad.html>
Please note that e-mail applications cannot be accepted.

Alaska Librarian

A Houston-based information & library mgmt services firm is seeking qualified candidates to fill an Anchorage-based long-term contract assignment. Candidates must possess a Masters degree in library/information science & at least 2 years experience in a technical or business library environment. Successful candidate will perform research/reference services (online & manual), collection development, cataloging & oversight of day-to-day library operations & services delivery, including supervision of a library assistant. Industry experience in oil & gas E&P or engineering & good working knowledge of Macs or PCs are definite pluses. Salary commensurate with education & experience, ranging \$35K - \$45K. Fax resume to (713) 664-4825, or mail to:

Access Information Associates, Inc.
4710 Bellaire Blvd., Suite 140
Bellaire, TX 77401-4505
or call 1-800-242-2005 for more information.
Reference Job Code AK-50ip
An Equal Opportunity Employer

Dean and Director of the Idaho Geological Survey

Position: The College of Mines and Earth Resources, University of Idaho, invites applications for the position of Dean and Director of the Idaho Geological Survey. The position primarily involves administration with research, teaching, and service responsibilities.

Appointment: This is a calendar year position that tentatively will begin on 1 July, 1997. The college dean may be granted tenure in an academic discipline in accordance with regular UI procedures for tenure, but may not be granted tenure as an administrator. Salary is commensurate with experience.

Duties: The dean provides internal and external leadership of all academic programs in the college, provides leadership in developing and implementing strategic planning activities for the college, and is the chief executive officer of the college in the implementation of policies defined by the college or university faculty and approved by appropriate authority. The dean serves as director of the Idaho Geological Survey and reports directly to the provost. Collaborating with university administration and the college's faculty, students, staff, graduates and industry persons, the dean promotes academic excellence and establishes a vigorous academic agenda that enhances undergraduate education, graduate education, research, and outreach.

Required Qualifications:

- Earned doctorate or equivalent professional experience in academia, government, or industry
- Administrative experience in a complex, diverse organization
- Effective interpersonal and communication skills
- Ability to work with constituency groups, governance boards, and earth resources industries, and to expand relations with the same

Desired Qualifications:

- Experience in an academic institution
- Understanding of the roles of a land-grant university and state geological survey
- Ability to coordinate collaborative research among industry, academia, government, and national laboratories
- Ability to develop interdisciplinary research programs within the college and with other organizations
- Experience marketing an organization's programs and/or increasing student enrollment in academic programs
- Awareness of and desire to provide leadership in virtual university concepts
- Fundraising experience and ability to increase college endowments

Dean Charles R. Hatch, Chair
COMER Dean Search Committee
President's Office
University of Idaho
Moscow, Idaho 83844-3151
Telephone: 208-885-5723 FAX: 208-885-6558
e-mail: lesleef@uidaho.edu
http://www.mines.uidaho.edu

Closing Date for Application: The search will be closed when a sufficient number of qualified applicants have been identified but not earlier than March 14, 1997.

To enrich education through diversity the University of Idaho is an equal opportunity/affirmative action employer.

Application: Interested persons should send a letter of application, curriculum vitae, separate statements addressing administrative style, teaching philosophy, technology/science challenges, and outreach/distance education opportunities, and names, addresses, telephone numbers, and e-mail addresses of five references to:

[Editor's Note: The following position has been reopened and will remain so until filled.]

LIBRARIAN

BERNHARD KUMMEL LIBRARY OF THE GEOLOGICAL SCIENCES

As a key member of the Bernhard Kummel Library, whose collection includes 63,000 volumes, 41,000 maps, and 850 periodical titles, this individual will administer and support research and curriculum in geology, geophysics, and other related subjects, within the Department of Earth and Planetary Sciences. The annual budget is 255K, including a materials budget of 80K. Responsibilities involve overseeing collection development in the earth sciences, preparing and monitoring budgets, managing three FTE plus students, providing automated/reference services, as well as instructing library use. Areas of supervisory oversight include all library circulation, reserves, acquisitions, technical services, and interlibrary loan operations.

Qualifications: Candidates must have: M.L.S. and a degree in Geology, Earth Sciences, or related field and relevant library experience; knowledge of earth sciences literature, including geological sciences book and map trade; experience in managing a science collections budget; ability to work with resources in a wide range of foreign languages; demonstrated expertise with searching electronic resources, including internet resources; comprehensive understanding of the issues and trends in earth science research and experience with cartographic resources in the earth sciences.

Available: July, 1996

Compensation: Appointment salary depending on qualifications, mid - high 40's. Major benefits include twenty days annual accrued vacation; generous holiday and sick leave; choice of health plans; dental insurance; life insurance; disability benefits; university-funded retirement income plan; tax deferred annuity options; staff tuition; and child care scholarships.

Applications received by May 1, 1996 will be given first consideration. Applications will be accepted until the position is filled. Please submit a letter of application addressing qualifications, resume, and the names of three references to:

Hazel C. Stamps
Director of Personnel Services
Harvard College Library
Widener 190
Cambridge, MA 02138

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AND EQUAL EMPLOYMENT OPPORTUNITY

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H A R V A R D



U N I V E R S I T Y

GEOSCIENCE SERIAL PRICES
 compiled by Michael M. Noga
 Collection Development Issues Committee

This is a continuation of the list published in the December 1996 GIS Newsletter. Additional serial prices will be available in the next issue. Prices come from invoices, price lists from publishers, serial vendor catalogs, and journal issues. Prices vary depending on the subscription source and the time when a subscription is paid.

Serials are included in the list if they fit two criteria: 1) The subject fits broadly in the geosciences; and 2) there is sufficient price information. The latest title of each serial is used.

PRICES IN U.S. DOLLARS

	1992	1993	1994	1995	1996	1997

Annales de Paleontologie.....	285	310	318	377	379	372
California Geology.....	8	10	10	10	10	10
Carbonates and Evaporites.....	50	50	50	52	54	57
Estuarine Coastal and Shelf Science	484	534	482	625	732	1072
Exploration Geophysics.....	90	110	110	125	129	136
Geodinamica Acta.....	213	224	223	268	250	245
Geoforum.....	404	398	410	440	519	576
Holocene.....	166	225	275	316	349	384
Hydrological Sciences Journal.....	160	160	160	160	170	170
JPT: Journal of Petroleum Technolog	30	45	45	45	45	45
Journal of Atmospheric Chemistry...	301	408	369	498	589	632
Journal of Coastal Research.....	125	125	125	125	135	135
Journal of Hydrology.....	1694	2349	2383	2495	3147	3475
Mercian Geologist.....	18	15	15	16	16	17
Mineralogical Abstracts.....	250	235	260	260	260	260
Mineralogical Journal.....	50	50	50	50	50	50
Mineralogical Magazine.....	218	202	215	225	225	250
Mineralogical Record.....	55	60	60	65	75	75
New Zealand Jour of Geol and Geophy	190	190	190	190	200	200
Oceanologica Acta.....	273	294	279	338	341	344
Oceanology.....	490	490	490	490	490	539
Paleobios.....	8	8	8	8	10	10
Physical Geography.....	164	209	229	243	264	279
Soil Science.....	116	128	140	149	164	179
Soil Science Soc of America. Journa	85	92	100	108	117	137
South African Journal of Geology...	60	52	66	62	73	100

TOTAL NUMBER OF TITLES = 139 (includes 12/96 list)

AVERAGE PRICE CHANGE (1996/1997) = 10.7%

 Michael M. Noga mnoga@mit.edu
 Collection Manager & Mathematics Librarian 617-253-1290
 MIT Science Library, Room 14S-134
 Cambridge, MA 02139-4307

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New Orleans, LA 70148

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Michael Noga
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