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PRESIDENT'S COLUMN

Committees/Appointments

Since the February Newsletter was compiled, I have made the following appointments:

Karen Campbell to the 1993 Annual Meeting Program Committee (1992-Oct. 1993);

Zelda Colodner and Independencia Iselidh to the International Issues Committee (1992-Nov. 1995);

Janice Sorensen as Chair of the Preservation Issues Committee (Mar.-Oct. 1993);

Michael Noga as Chair, and Charlotte Derksen, Patricia Gaspari- Bridges, and Frances Waranius to the Ad Hoc Committee to Review GEONET-L;

Deborah Grealy as Newsletter Receiving Editor (Apr.-Oct. 1993);

Sally Scott as Newsletter Features Editor (Apr.-Oct. 1993)

Jim O'Donnell as one of GIS's two representatives to CUAC (May 1993-Apr. 1995).

We lack a Newsletter Reviews Editor; this person submits very short annotations of new important journal arti-

cles in geoscience information. If you are interested in doing this, please contact me.

Both International Issues and Preservation Issues committees will begin primarily with information-gathering and disseminating functions, and I am still seeking members for each. You should hear more from these committees in future Newsletters. The new Ad Hoc Committee to Review GEONET-L will fulfill a mandate to review the function of the listserver and consider the need for an editorial board after six months of operation.

Because I received too few volunteers, I have decided not to appoint an Ad Hoc Committee on Publications.

Finally, please note that the 1995 annual meeting is scheduled for early November. Thus, I have extended all appointments previously set to expire that October to expire in November. Sorry for the confusion. If you would like to have an updated committee list, please contact me. The committee list will next appear in the annual Membership Directory, which I hope will be published in early Summer.

Proceedings

By the time you read this Newsletter, Amanda and I should have the Proceedings to the printer. As I write this column, only one paper is lacking, although the others are being edited. We hope for distribution in May.

Directory of Geoscience Libraries, U.S. and Canada, 4th ed.

This issue includes ordering information for the *Directory*, which is being printed as I write. You will be very pleased at the information that appears for each library, the breadth of Canadian library coverage and the enhancements, such as Internet protocols for dial-up access to online catalogs. The Directory Committee, and especially its Chair Connie Manson, can be very proud of their work. GIS will accrue some profits from this volume, and we are planning to market it accordingly. Connie Manson has volunteered to serve as marketing strategist. She will conduct several focussed mailings and place advertisements. We are offering discounts to members and contributing libraries, however, the regular price is \$35. Sales will be handled by the Publications Manager in the usual

GEOSCIENCE INFORMATION SOCIETY
1993 OFFICERS

President

Louise Zipp
University of Iowa Geology Library
136 Trowbridge Hall
Iowa City, IA 52242-1379
319/335-3419; fax: 319/335-1821
email (Bitnet): cadlszts@uiamvs
(Internet): louise-zipp@uiowa.edu

Vice President/President Elect

Connie Wick
Kummel Library
Harvard University
24 Oxford Street
Cambridge, MA 02138
617/495-0791; fax: 617/495-4711
email (Bitnet): cswick@harvarda
(internet): CSWICK@harvarda.harvard.edu

Immediate Past President

Dena Hanson
Information Consultant
3110 McPherson
Fort Worth, TX 76109
817/923-7052
email (Bitnet): hanson@tcucvms.bitnet
(Internet): hanson@gamma.is.tcu.edu

Secretary

Clara P. McLeod
Earth and Planetary Sciences Library
Washington University/Campus Box 1169
One Brookings Drive
St. Louis, MO 63130
314/935-5406; fax: 314/935-4800
email (Bitnet): cpmcleod@wulibs.bitnet

Treasurer

Barbara DeFelice
Kresge Physical Sciences Library
Dartmouth College
Hanover, NH 03755
603/646-3845; fax: 603/646-3681
email (Internet):
Barbara.DeFelice@DARTMOUTH.EDU

Listserv GEONET-L@IUBVM

Editor: Lois Heiser
Geology Library
Indiana University
Bloomington, IN 47405
812/855-7170; fax 812/855-6614
email (Bitnet): heiser@ucs.indiana.edu

Publication Officers

Newsletter Advisory Board, Chair

Deborah S. Grealy
GRI Natural Gas Supply Information Center
Arthur Lakes Library
Colorado School of Mines
Golden, CO 80401
303/273-3707; fax 303/273-3199
email (Bitnet): DGrealy@Mines

Newsletter Editors

Receiving Editor
Deborah S. Grealy
[see address above]
Production Editor
Connie Manson
Washington Div. Geology and Earth Resources
P. O. Box 47007
Olympia, WA 98504-7007
206/902-1472; fax: 206/902-1785
email (Bitnet): cjmanson@carson.bitnet
(Internet): cjmanson@u.washington.edu

Reviews Editor

[vacant]

Features Editor

Sally Scott
Science Library
University of Wyoming
P.O. Box 3262
Laramie, WY 82071-3262
email (Internet): sscott@corral.uwyo.edu

Publications Manager

Amanda Masterson
Bureau of Economic Geology
Box X, University Station
Austin, TX 78713-7508
512/471-1534 x222; fax: 512/471-0140
email (Internet): mastersona@begv.beg.utexas.edu

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 \$30 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. Research articles and technical reports should be submitted to the Editorial Board for review and possible publication. Information reports, officer and committee reports, publication notices, job announcements, and other news items should be submitted to the News Gathering Editor.

Material for the June, 1993 issue of the GIS Newsletter should be received by the Receiving Editor no later than May 15, 1993. If possible please send materials on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format) or by e-mail.

manner. The disk version will be sold only to members, with the understanding that their use will be for personal or non-profit reasons. The mailing labels of library addresses will be sold for \$250 per set, or for \$50 per set with proof of non-profit status. Labels will be sold to any buyer for a single use.

Constitution/Bylaws

The Ad Hoc Committee revising the Constitution and Bylaws is nearing completion of its work. Look for a mailing in the next month with the proposed changes. The actual ballot will be mailed (perhaps with the June Newsletter) at least 30 days later. You will have the opportunity to accept or reject the changes, and I hope you will vote your opinions.

GEOINFO5

The Ad Hoc Committee on the Fifth International Conference on Geoscience Information has been working with the Czech and Slovak Organization Committee of GEOINFO V. An International Steering Committee has also been appointed. As of mid-March, the First Circular is nearing release. We will make sure that GIS members receive a copy of the First Circular as quickly as possible. For your information, here are a few details (from my draft?? copy of the First Circular): Conference dates are June 20-24, 1994. Tentative registration fee: \$230 USD, which includes some publications and a half-day excursion, but does NOT include lodging and meals.

DEADLINES:

- April 30, 1993 for receipt of abstracts and preliminary registration;
- July 15, 1993 for notification of acceptance of abstracts;
- September 15, 1993 for distribution of Second Circular;
- November 30, 1993 for submission of papers.

Abstracts must contain about 300 words. **PREPARE YOUR ABSTRACT NOW SO YOU CAN SUBMIT IT AS SOON AS YOU RECEIVE THE FIRST CIRCULAR!**

At the Executive Board conference call scheduled for April 15, 1993, we will consider the Ad Hoc Committee's recommendations for GIS support for the President, members giving papers and attendees from the developing world. It is VERY likely that there will be significant support for GIS members giving papers.

Finally, there are two other unique opportunities for you to participate in this conference. The Organizing Committee has requested a volunteer to edit the English-language papers which are to be published in a proceedings volume by Spring 1995. If you are interested in doing this, please contact me. Secondly, AGI will have GeoRef on CD-ROM at the conference, but would like GIS members there to demonstrate it. If you are interested in doing this, please contact John Mulvihill at AGI (703-379-2480; fax: 703-379-7563).

VICE PRESIDENT'S COLUMN

Having managed to survive the Blizzard of '93, as it has been dubbed, I can now put pen to paper, or fingers to keyboard anyway, to bring everyone up-to-date on planning progress for the upcoming GIS meeting in October. The best thing about the blizzard was that I had torn a ligament in my knee just prior to the storm, so I was unable to participate in any shovelling!

But I digress.....Since I know I can't say it often enough, don't forget that the annual GIS meeting will be in Boston, October 25-28. Plans are well underway, with seemingly constant deadlines. By the time you receive this Newsletter, you may have already received the First Announcement of the meeting from GSA. If not, look for it shortly. Please note that the Second Announcement, which contains the Registration Form, will be mailed two months early, so you will be receiving it in June instead of August. This will be the only registration form you will receive. In addition to the Symposium, we are planning a GeoRef workshop, and a Database Forum to bring us up-to-date on what's new in the world of electronic information.

I am pleased to provide this list of speakers and (preliminary) titles for the Symposium "Finding and Communicating Geoscience Information." The session will focus on the changes in the world of geoscience information, and how geoscience information is communicated, and the impact on the researcher and on information providers. The papers should prove to be informative and thought-provoking. The speakers, in alphabetical order, are:

David Cobb (Harvard University), "Layer upon layer, myth or reality: geoscience information into the 21st century." The speaker will focus on the changing nature of cartographic information and its impact on the geoscientist.

John Costa (U.S. Geological Survey) and **Arthur Sylvester** (U.C. Santa Barbara): "Geoscience publications in the 1990's: the editors' view". The speakers will bring their perspectives as co-editors of the Geological Society of America Bulletin.

Lisa Dunn (Colorado School of Mines): "INTERNET, electronic media and changes in geoscience information." The speaker will focus on the ways in which electronic access has changed how geoscientists can find information.

Steve Hiller (University of Washington): "Libraries and geoscience information: the new paradigm." The speaker will focus on changes in the creation, production, and dissemination of geoscience information and its impact on libraries.

Susan Klimley (Lamont-Doherty Earth Observatory): "Limitations of *Science Citation Index* in evaluating journals and scientists in geology." The speaker will

discuss the growth of citation indexing as a measurement tool, and concerns about its use in the geosciences.

Craig Schiffries (American Geological Institute): "Communicating with Congress: geoscience and public policy." The speaker will bring his perspective from the AGI Government Affairs program.

Victor VanBeuren (Elsevier Science Publishers): "Commercial geosciences publishers: are they still necessary?" The speaker will focus on the commercial publisher's perception of the changing geoscience market.

Patricia Yocum (University of Michigan): "CIESIN: information resources for global change." The speaker will focus on the Consortium for International Earth Science Information Network.

In the next Newsletter, I hope to provide a tentative schedule of GIS meetings and other events at GSA. In the meantime, don't forget the abstracts deadline for volunteered papers and posters is July 7. Abstracts forms are available from me or the GSA Abstracts Coordinator, Geological Society of America, P. O. Box 9140, Boulder, CO 80301-9140. 303-447-8850. Please do not hesitate to contact me if you have any questions about the upcoming meeting.

Late October in Boston is usually a terrific time, weather-wise, but the way things are going, maybe it will snow.....

GIS Representative Reports:

ACRL Science and Technology Section proceedings, ALA Midwinter Meeting, January 22-28, 1993, Denver

The ACRL Science and Technology Section conducted a full range of committee meetings plus several discussion group sessions in Denver. They are listed as follows (committees unless noted otherwise): Council I and II; Discussion Group Leaders; Publisher/Vendor Relations; Newsletter; Oberly Award; Science Databases Discussion Group; Legislation I and II; Conference Program Planning Miami; Planning; Preconference 1993; Membership; General Discussion Group; Heads of Science Libraries Discussion Group; Conference Program Planning, New Orleans; Research Forum; Continuing Education; Subject and Bibliographic Access to Science Materials.

Individual Committee Reports

Council:

The STS Program at the ALA Annual Conference in New Orleans on Monday morning, June 28, 1993 will be entitled "Technological Tabasco: Hot Ideas for Keeping Up With the Electronic Information Explosion"

Subject and Bibliographic Access to Science Materials:

Announcements: There will be no Spring 1993 issue of Signal (STS newsletter). Will try to get four pages in College and Research Libraries News; if not, then reliance on STS electronic journal *Issues in Science and Technolo-*

gy Librarianship. STS Council is very concerned about budget cuts and is protesting \$895 approved of \$1823 requested.

Guide to Sources of Conference Proceedings is nearing completion (hope to be ready for ALA in New Orleans; ACRL or ALCTS possible publisher).

Title page standards for conference proceedings project: recommendations sent to publishers (e.g. Biosis, IEEE Press); some publishers have their own style guide.

Thesis and dissertation access project: keyword searching is better than LCSH for cutting edge terms.

Electronic journals were discussed, as was problem of disks attached as part of a journal or book. Security issue of e-journal files when author or reader changes text. One idea is to put each article on opac in separate file (Virginia Tech practice). Motion detectors are being used to fight computer equipment theft (Penn State practice).

Science Databases Discussion Group:

Co-chaired by Ann Eagan and Susan Starr, science databases on Internet were discussed. At this point, all of following are free except for Pinet (\$140/year).

American Mathematical Society's e-math: Mathematical Reviews author index, Bulletin of the American Mathematical Society (electronic form), and job listings.

Archpics: Citations for architectural photos.

Buckyballs Database: Citations for fullerenes.

Einstein On-Line Service, Smithsonian Astrophysical Observatory: Numerical and textual information from the Einstein Observatory Satellite.

Lunar and Planetary Institute, Gazetteer of Planetary Features: Planetary surface information and official names from the IAU.

Netlib: Computer programs and related information.

Pinet (Physics Information Network): American Institute of Physics product which includes abstracts, proceedings, job lists, a directory, plus the Spin database.

Standards and Technology Information System: Menu-driven database of several major technology institutions' standards.

Statlib: Statistical software access.

General Discussion Group (entitled "Preservation of Science Materials--What's the Point?"):

Discussion leader was Karen Motylewski, Director of Field Service, Northeast Document Conservation Center, Andover, MA.

"Despite their importance, science and technology collections seem to lag behind other disciplines in developing protocols for selection and preservation." -- flier advertising discussion group

Topics covered were mass deacidification, paper strengthening, electronic publishing, and optical disk preservation.

Respectfully submitted,

Thomas R. Zogg, GIS Representative to ACRL STS

**On-line Searching of World Paleomagnetic Database
Available**

by

William Harbert

Dept. of Geology and Planetary Sciences, Univ. of
Pittsburgh (William.Harbert@pitt.edu)

*Reprinted with permission from Eos, Transactions of the
American Geophysical Union, v. 74, no. 9, p. 100-101, March 2,
1993.*

I have recently finished an on-line search program which allows remote users to search the "Abase" ASCII version of the World Paleomagnetic Database developed by Jo Lock and Michael McElhinny (1991). The Search program is very simple to use and will search the Soviet, non-Soviet, rock unit, and reference databases and create output files which can be downloaded back to a researcher's local system using the ftp command.

To use Search, telnet to 130.49.3.1 (earth.eps.pitt.edu) and login as the user "Search". There is no password and the user is asked a series of questions, which define the geographic region and ages of interest. The program will also ask for an identifier with which to create the output file names. The program has three modes of operation, text-only, Tektronix graphics, or X11/R5 graphics, the proper choice depends on the computer hardware which is being used.

For users who have a text-only computer monitor available, there is a text-only mode. If this mode is chosen text files are created and put in the ~ftp/search_results directory. Results are also plotted and placed into a compressed PostScript file. Using the ftp command, and the computer account "anonymous" at the University of Pittsburgh data archive, these files may then be downloaded back to the local computer system for further analysis. The PostScript plot file may be downloaded back to the local computer, uncompressed, and plotted on any PostScript compatible printer.

For those who have access to computers or software which understand Tektronix graphics, such as the National Center for Supercomputing Applications (NCSA) telnet, available for both PC and Apple computers, or are running an operating system compatible with X11/R5 graphics, graphics plotted directly to the researchers screen are available. The Search program will create and display graphical representations of paleomagnetic declinations and coastlines within the region searched in addition to creating the text files for these latter two groups of users.

For those with Tektronix 4010, 4012 or 4014 graphics compatible computer terminals, such as a PC or Mac running NCSA telnet, the "Tektronix" option may be chosen. Plots of the search results are generated and plotted to the screen and a compressed PostScript plot file is placed into ~ftp/search_results. Users with X11/R5 workstations must, 1) know their IP numbers, and 2) allow graphical access

to their workstations by including earth.eps.pitt.edu (130.49.3.1) in their control list using the "xhost +" command, before starting the search process. For X11/R5 users, the search program will open and plot results within a Xview graphics window, and place a compressed PostScript plot file of the search results into ~ftp/search_results.

A shortened example of the use of the Search program, using the ftp command and downloading the resulting files is given below. The local computer prompt is "athena COMMANDNUMBER%". All responses given by the researcher are given in bold text.

```
athena 18% telnet 130.49.3.1
Trying 130.49.3.1...
Connected to 130.49.3.1.
Escape character is '^['.
```

SunOS UNIX (earth)

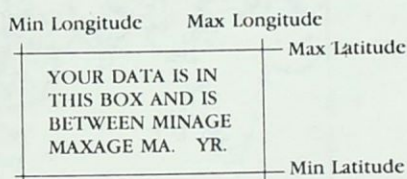
login: **Search**

```
Welcome to Search, a program which allows you to search
the World Paleomagnetic Database
Please download and read the file Search.doc from the
Univ. of Pittsburgh Paleomagnetic Archive before running
this program
```

Continue (c) or Quit (q)

c

Please refer to this diagram when responding



What is the Minimum Longitude of the region which you would like to search?

160.0

What is the Maximum Longitude of the region which you would like to search?

-160.0

What is the Minimum Latitude of the region which you would like to search?

45.0

What is the Maximum Latitude of the region which you would like to search?

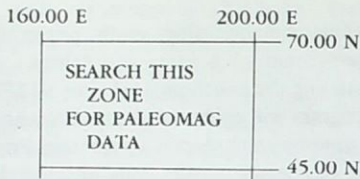
70.0

What is the Minimum Age (in Ma) of the data which you would like to search?

0

What is the Maximum Age (in Ma) of the data which you would like to search?

120



Between 120.00 and 0.00 Ma

After this the user selects the mode of operation and an identifier for the output files. These output files include Reference, Age, Soviet paleomagnetic and non-Soviet paleomagnetic results within the region and ages of interest. The user must then download these files back to his or her computer. To use the ftp program to download the results of the search program, which in this case were associated with the identifier "BeringSea", the researcher would login to 130.49.3.1 as the user anonymous (no password required) and download the files from the "search_results" directory. This is accomplished by, in response to the ftp prompt ("ftp>") by typing,

```
ftp> get search_results/BeringSea.nos  
ftp> get search_results/BeringSea.sov  
ftp> get search_results/BeringSea.ref  
ftp> get search_results/BeringSea.rck
```

To download the compressed ASCII PostScript file, the user must switch to ftp "binary" mode and download this file, which ends with ".Z", in response to the "ftp>" by typing,

```
ftp> binary  
ftp> get search_results/BeringSea.ps.Z  
ftp> quit
```

Any questions or comments may be sent to William.Harbert@pitt.edu.

Acknowledgements

I wish to thank Charles Barton for his whole-hearted support of this idea at the Vienna IUGG meeting.

References

Lock, J.; M.W., McElhinny, 1991, The global paleomagnetic database--Design, installation, and use with ORACLE: *Sov. Geophys.*, v. 12, p. 317-506.

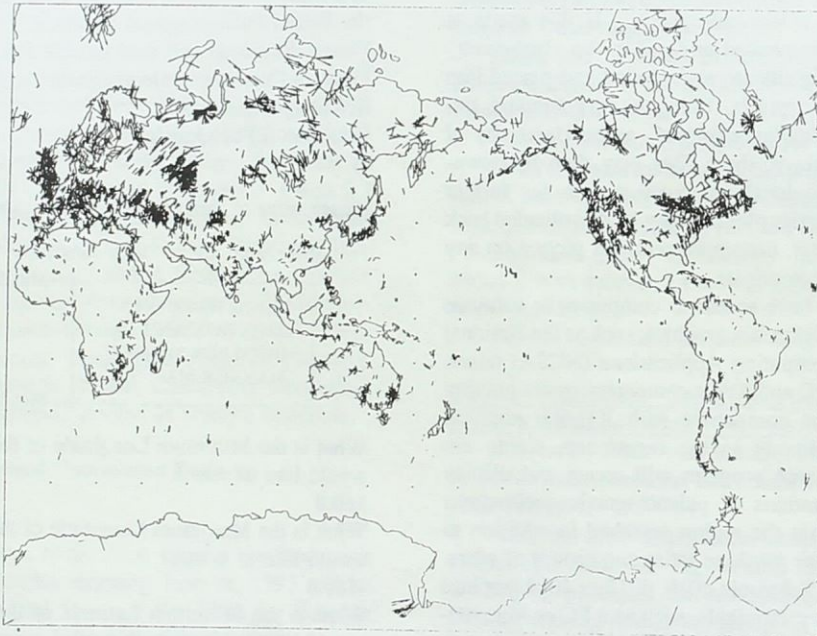


Fig. 1. The World Paleomagnetic Database, created by Lock and McElhinny [1991]. Stratigraphically corrected paleomagnetic declinations are shown as black lines. Currently there are 3806 non-Soviet and 1901 Soviet paleomagnetic results, rock unit descriptions, and references stored at the University of Pittsburgh archive site. These data may be searched remotely, or the entire ASCII datasets may be downloaded.



5th International Conference on Geoscience Information

GEOINFO



20 - 24 June, 1994

P R A G U E

Czech Republic

FIRST ANNOUNCEMENT
and
CALL FOR PAPERS

Jointly convened by

- Geoscience Information Society
- Geofond of the Czech Republic, Prague
- Geofond of the Slovak Republic, Bratislava
- Czech Geological Survey, Prague

Prague, February 1993

OBJECTIVES AND SCOPE

The Geoscience Information Society (GIS) is a sponsor of the International Conference on Geoscience Information, held every four years in cooperation with other national/international organizations. The 1st Conference took place in London, U.K., 1978, the 2nd one in Boulder, USA, 1982, the 3rd one in Adelaide, Australia, 1986 and the 4th Conference in Ottawa, Canada in June, 1990. It is expected that the 5th Conference in Prague, Czech Republic, will continue the good tradition of interaction and cooperation among information professionals, librarians, editors, cartographers and educators.

The GEOINFO V. program, as follows, is a preliminary proposal and is subject to change. It is divided into six major themes.

A. *GEOSCIENCE INFORMATION SYSTEMS AND DATA BASES FOR ENVIRONMENTAL GEOLOGY TASKS* (geological hazards - E.I.A. - land use - natural resources protection, etc.)

- International bibliographic and factual/numeric data bases for environmentally oriented needs, research and service
- Supporting Global Change Programs through integrated geoscientific information analyses and dataprocessing
- Geo-information in emergencies and nature disasters
- Integration of Earth -scientific knowledge into an environmentally oriented data base in a specific region

B. *ADVANCED INFORMATION TECHNOLOGIES APPLIED TO GEOSCIENTIFIC AND GEOGRAPHIC INFORMATION SYSTEMS*

- Object-oriented databases and DBMS in the Geosciences
- G.I.S. technology and usage in 90 s: Concepts-applicability-experiences
- Visualizing geoscience data processing and information products
- Advanced techniques and standards for operating and transferring geoscience information

C. *NEW METHODS, SERVICES AND TECHNIQUES IN GEOSCIENCE LIBRARIES AND MAP COLLECTIONS*

- Geoscience Library Model of the year 2000: possibilities and limits
- Analyzing coverage and content of geoscience information unit: an integration and limitation of computer processing in a library
- Purpose-oriented or multipurpose indexes for Earth Science Maps Reference System?
- A user-oriented literature information system: integration aspects of a system development and implementation for libraries and information units in Earth sciences
- Language barriers in current information systems and library services

D. KNOWLEDGE-BASED DATA BASES AND EXPERT SYSTEMS

- General and specific demands and prerequisites of Expert Systems for geo-data bases
- Information language for Expert Systems in the geosciences (from traditional descriptors or mnemonic codes through metalanguage oriented DB to natural language processing)
- Expert Systems in spatial geo-data analyses: their user-oriented presentation

E. COST AND VALUE OF GEO-INFORMATION: RECENT TRENDS AND FORECAST

- Appraising geo-information value in time and space
- Access to geoscience data: dilemma between profit and professional ethics
- The role and modes of marketing information service
- Decision-makers evaluation of geoscience information
- Managing geoscience information for success.

F. INFORMATION SYSTEMS AND DATA SOURCES FOR GLOBAL POLICIES ON NATURAL RESOURCES DEVELOPMENT

- International data exchange through the World Data Centers and related global institutions
- Necessity of inventories, reference service and examples of functional systems of world-wide attempts of creating an interchange of Earth Science data sources and databases

x

x

x

POSTERS, DEMONSTRATIONS, PANEL DISCUSSIONS, ROUND-TABLES

and other forms of presenting systems -methodologies and results of case studies (implementation), will be also included in the program.

LANGUAGE

The official language of the GEOINFO V. Conference is English.

IMPORTANT DEADLINES 1993

May 28, 1993 Receipt of abstracts: preliminary registration
July 31 Notification of acceptance of abstracts
September 15 Second Circular of GEOINFO V. distribution
November 30 Submission of papers

REGISTRATION FEE

The registration fee of approximately USD 230,- (paid before March 31, 1994) will include: Abstracts transactions, Proceedings of General Program, refreshment during meeting hours, social events (welcoming reception and/or closing luncheon) and a half-day excursion. This fee will not cover hotel expenses and meals.

CALL FOR PAPERS

Participants intending to present a paper are requested to send an one page abstract in English to the Conference secretariat. The abstract should be received by May 28, 1993. Authors will be notified of acceptance by July, 1993.

INSTRUCTIONS FOR PREPARING YOUR ABSTRACT

Richard B. EDWARDS
Granite Geological Exploration
Calligraphtown, Ontario, CANADA K1T 168

This abstract should be printed on plain, smooth-finished A4 sized paper. If possible, print the abstract using a laser printer. Otherwise, use a well-cleaned impact printer with a carbon ribbon. Copy produced by pin printers does not reproduce legibly, so pin printer should not be used. Symbols that cannot be printed should be carefully drawn in black drafting ink.

Use a 12-point Roman typeface (10 pitch on a typewriter). Italic, bold, and special characters are permitted for titles and emphasis. The body of the abstract should be typed single-spaced, or using 14-point leading. If possible, justify the text for uniform right and left margins. Skip one line after the title, after the affiliation, and between paragraphs. Do not indent paragraphs. Do not include any citations, references, or illustrations in your abstract.

The entire abstract, including the title, authors names and affiliation and any footnotes, must fit inside a rectangle 152 mm (6 inches) wide and no more than 125 mm (5 inches) tall, following the style of this example. The space should be sufficient to contain about 300 words. This example abstract contains 210 words.

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J. ZOUBEK Czech Geological Survey, Vice-Director

INTERNATIONAL STEERING COMMITTEE

The following specialists have been invited to participate on the Steering (Scientific Advisory) Committee:

- CAO XIPING, National Geological Library, Beijing, P.R.China
- Andrea G.FABBRI, ITC Enschede, The Netherlands
- Gabor GAAL, Geological Survey, Budapest, Hungary
- Jacobus GRAVESTELJN, former COGEO DOC Secretary, France
- Odile HUBERT, B.R.G.M. Department Documentation, Orléans
- Werner JANOSCHEK, Geological Survey in Vienna, Austria
- Kai KORTMAN, Geological Survey, Espoo, Finland
- Michael McGARR, IMM Information Services, London, U.K.
- John MULVIHILL, GeoRef, American Geol. Institute, Alexandria
- David READE, Geoscan Geological Survey, Ottawa, Canada
- Lily REIBOLD-SPRUTH, Federal Inst. of Geosciences, Hannover
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- Eva ZACHAROVA, Geofond of the Slovak Republic, Bratislava

SPONSORING ORGANIZATIONS

Sponsorship is being sought from the following organizations:

- Geoscience Information Society
- Australian Geoscience Information Association
- COGEOINFO (of the I.U.G.S.)
- COGEOENVIRONMENT (of the I.U.G.S.)

SUPPLEMENTS AND REMARKS

- a) A post-conference excursion to Bratislava (Slovak Republic), Budapest (Hungary) and Vienna (Austria) is planned. Some USD 360.- will include transportation, accommodation and boarding. Information and library centers of Geological Surveys in Bratislava, Budapest and Vienna will host this attractive program.
- b) Workshops and short courses are envisaged. Proposals will be considered by the Steering Committee
- c) An accompanying persons program has also been discussed. However, until now only few "probably" interested individuals were found among 63 preregistered participants. A registration fee of approximately 50% of full-member fee will be charged accompanying persons, students and retired professionals.

CONTACT PERSONS

Dr. Jiří G. HRUŠKA
Secretary of GEOINFO V.
Geofond of Czech Republic
Kostelní 26
170 21 Praha 7 - Letná
Fax: (0042) 2 370647
Telephone: (0042) 2 379346
(0042) 2 4288445(home)

Dr. Vladimír SHÁNĚLEC
Director
Geofond of Czech Republic
Kostelní 26
170 21 Praha 7 - Letná
Fax: (0042) 2 370647
Telephone: (0042) 2 374758

REPLY FORM

GEOINFO 5th International Conference on Geoscience Information
Prague, Czech Republic, June 20 - 24, 1994

(Dr., Mr., Ms.) Name _____
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- I plan to attend GeoInfo V
- I am likely to attend, please keep me informed
- I would like to give a paper, Abstract enclosed
- I will submit an abstract by May 28, 1993
- I can also present my paper as
 - A poster
 - A demonstration using a PC
 - A panel discussion
 - A round-table
- I will be accompanied by _____

Please send the completed form to:

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GEOINFO V. Org. Committee
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1992

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GEOTECH ARCHIVES LTD., Fossils Quarterly Library, Charlotte, NC - 81
Golden Library, EASTERN NEW MEXICO UNIVERSITY, Portales, NM - 72

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Marjorie (Midge) King, Geosciences Librarian

email addresses

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Helen Clarke, Cartographic Materials Specialist
Staff: 1 professional, 1 support

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PENNSYLVANIA STATE University Park, PA

Geoscience materials are integrated with the cartographic collection, which has strong geologic coverage of GSC, USGS.

GEOLOGICAL Geologie Alberta -

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3. If you don't know
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GEOLOGICAL Centre / Ontario -

Geological Survey

The Directory sells for \$35 per copy. Pre-payment in U.S. dollars is required. Make checks payable to the Geoscience Information Society. Price includes postage: priority mail for the U.S.; airmail for non-U.S.

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Single-use mailing labels are also available. \$250 to for-profit organizations, \$50 to non-profit organizations (with proof of non-profit status).

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Higher Education, Academic Libraries and Geoscience Collections in Israel - A Bird's Eye View

by

Zelda Colodner

Institute of Earth Sciences Library

Hebrew University of Jerusalem

HIGHER EDUCATION

Higher education in Israel is under the direct jurisdiction of the Council for Higher Education, a government sponsored body, which accredits and finances the various institutions to about 60% of their regular operating budgets, the remainder supplemented by private donations and tuition. There are six universities in addition to the Weizmann Institute of Science, a research institute which grants graduate degrees. A concept of the dimensions of higher education in Israel can be gained from statistics for the 1990/91 academic year when a total of 71,190 students were enrolled. The Hebrew University of Jerusalem, established in 1925, had 17,700 students in 1990/91, second to Tel Aviv University with 19,440.

ACADEMIC LIBRARIES

The organizational trend in university libraries is towards centralization with the middle area of divisional libraries well represented. Two institutions, Technion (Israel Institute of Technology) and Weizmann Institute maintain departmental libraries. The youngest universities, Ben Gurion University of the Negev, Haifa University and Bar Ilan University have central libraries. All libraries are computerized or in the process of computerizing. All libraries are located on the ALEPH network, ALEPH being the name of the software (Automated Library Expandable Program). The unique aspect of this software product is that it is multilingual, multiscript and bidirectional. We limit our use to Latin and Hebrew alphabets although the option

to employ Arabic and Cyrillic scripts is available. In addition to the various OPACs, the ALEPH network hosts a number of special files and tools, such as union lists and subject bibliographies. Library of Congress classification is heavily used, as are the decimal classifications. All libraries are accessible via Internet. Accessing one library enables movement throughout the network.

GEOSCIENCE EDUCATION AND COLLECTIONS

Hebrew University is the focal point for geoscience education in the country, offering bachelor's, master's and doctoral degrees. Ben Gurion University also offers all three degrees in geology. Tel Aviv University grants graduate degrees in geophysics and Weizmann Institute grants graduate degrees in geochemistry. Library collections reflect these instructional and research objectives.

The Geological Survey of Israel has an extensive collection of geoscience literature. In recent years the library has taken upon itself the building of a bibliographic database on the geology of the region. From time to time entries for different countries are printed out with comprehensive subject and author indexes and issued as Survey reports.

Other organizations hosting geoscience collections are the Hydrological Service, Water Planning for Israel, Israel Oceanographic and Limnological Research, the H. Steinitz Marine Biological Laboratory, the Desert Research Institute, the Institute for Petroleum Research and Geophysics, and the Israel National Oil Company.

MEMBERSHIP NEWS

The GIS welcomes the following new members:

Individual Members

Elizabeth H. Clancy
Dr. Michael W. Dobson
Patricia E. Donovan
Harumi Ishihara

Institutional Members

Society for Sedimentary Geology (SEPM); representative
Patricia K. Auberle
Texas Water Development Board

The first membership renewal forms were sent out by the Secretary in November. The *GIS Newsletter* will be sent only to renewed members beginning with the April issue. If you have not sent in your dues, please remember to do so in the near future. The GIS Secretary should be contacted to report changes in addresses, e-mail and fax or telephone numbers.

The question of multiple-year membership was discussed by the Board. The Board agreed that the society would not offer multiple-year memberships because of accounting difficulties.

Clara P. McLeod, Secretary

PETER BRUEGGEMAN, Head of Public Services at Scripps Institution of Oceanography Library, received the Information Authorship award for Best CD-ROM article, sponsored by the Information Access Group (IAC & Predicasts), for a two-part article entitled "Memory Management for CD-ROM Workstations" which appeared in the Sept. and Nov. 1991 issues of *CD-ROM Professional*. The award was given at the 1992 ONLINE/CD-ROM conference in Chicago and included a plaque and \$1000.

Address and e-mail changes:

PATRICIA YOCUM's e-mail address in the GIS Directory is wrong. The correct address is: Patricia.Yocum@UM.CC.UMICH.EDU.

CONNIE MANSON's Bitnet e-mail has been changed to cjmanson@carson.bitnet; the internet address is the same.

BOB HEIDLAGE has resigned his position as Head of the Unklesbay Geological Sciences Library at the University of Missouri at Columbia. Bob is now working at a small partnership in Columbia. You can reach him at home:

458 W. Hickham Drive
Columbia, MO 65203
314/445-5629

The **Lamont-Doherty Geological Observatory** is in a period of change. First they changed their name to the Lamont-Doherty Earth Observatory. Then they changed their phone number--the new telephone number, direct to the library is 914/365- 8808. (Apparently the old number continues to work, but at some point will disappear.) LDEO librarian, Susan Klimley, remains uncharacteristically silent on these changes.

READINGS AND PUBLICATIONS IN GEOSCIENCE INFORMATION

Following somewhat on the heels of the Professional Issues discussion on librarians and CD-ROM/software licenses at the 1992 Annual meeting... the August 1992 issue of *Library Journal* (p. 40-43) presents an article by Ed Valauskas on librarians and software licenses. Ed discusses copyright law, intellectual property, fair use, and electronic media. There is a short bibliography for further reading.

Field Trip Guidebooks: GSA South-Central Section

The GSA South-Central Section annual meeting was held on the Texas Christian University Campus in March, 1993. Guidebooks were prepared for two of the field trips. If you are interested in obtaining these guidebooks, please contact the field trip leaders directly. Each leader received a copy of the GIS Guidelines for Authors, Editors, and Publishers of Geologic Field Trip Guidebooks, so they should be prepared to give away or sell extra copies!

Field trip 1 (**CANCELLED**): Sequence Stratigraphy of Middle and Late Pennsylvanian Cycles: North Central Texas.

Field trip 2: Structural and Stratigraphic Correlations across the Grenville Deformational Front in West Texas; there is a guidebook for this trip. Contact: Dr. Kent C. Nielsen, Programs in Geosciences, University of Texas at Dallas, Dallas, Texas 75083; 214-690-2537.

Field trip 3 (**CANCELLED**): Geology of the Slick Hills of Southern Oklahoma: The Northern Boundary of the Wichita Uplift.

Field trip 4: Environmental Geology and Hydrogeology of the Dallas/Fort Worth Metroplex; there is a guidebook for this trip. Contact: Dr. Joe C. Yelderman, Jr., Department of Geology, Baylor University, Waco, Texas 76798- 7354; 817-755-2673.

ANNOUNCEMENTS

Ideas Solicited for Future GSA TODAY Forum Columns

As many of you know, GIS has recently made the geoscience community aware of several information issues through the medium of the *GSA Today* Forum column. GIS has sponsored three Forum columns to date. The first, published in October 1992, discussed problems and possible solutions for the preservation of geoscience information resources. The second and third articles, appearing in the March and April 1993 issues, focus on the rising concern about geoscience publications pricing; they present background on the topic, as well as perspectives from geoscientists, librarians, and both societal and commercial publishers.

The Forum column can be an important tool for communicating geoscience information issues to the geoscientists. And, GSA is pleased to have its Divisions and Associated Societies contribute to the Forum column. Therefore, if you have ideas for additional Forum column topics, please send them to Dena Hanson, with a copy to Louise Zipp (e-mail & snail addresses, and phone numbers appear inside the cover of the GIS Newsletter).

Nominations for Best Reference Work

The Best Reference Work Committee is soliciting nominations for this year's award. Works published in the last three years are eligible. And notice that it's no long the best "book" but rather the best "work" so other formats are eligible, too.

Please convey nominations to committee chair Margy Walsh at 713/954-6268 or fax to 713/954-6907 as soon as possible.

Duplicates available

These volumes are available from Michigan State University Science Library. Shipping reimbursement expected. For more information, contact Jean Eaglesfield, (517) 355-8494; fax, (517) 336-1445; e-mail (Bitnet) 20676jte@msu.bitnet.

Bibliography and index of geology exclusive of North America, v. 1, 1933 - v. 22, 1957; v. 31, 1967- v. 36, 1972. 44 volumes. Bound. Good condition

Bibliography of North American Geology, 1919-1970. 19 volumes. Mostly unbound.

DUPLICATES EXCHANGE LIST: USGS LIBRARY

The following items are available on a first come first served basis, from the Exchange & Gift Unit, USGS Library, 950 National Ctr., Reston, VA, 22092. Please enclose mailing labels with request.

- American Association of Petroleum Geologists Bulletins.
v. 57, no. 3-10, 1973; v. 65, no. 1-9, 11, 12, 1981; v. 71, no. 1-7, 1987
- American Journal of Science.
v. 257-259, 1959-1961; v. 260, no. 1-4, 6-10, 1962; v. 261-263, 1963-1965; v. 264, no. 1-3, 5-10, 1966; v. 265-267, 1967-1969; v. 268-291, 1970-1991
- American Mineralogist.
v. 41, no. 3, 4, 7, 12, 1956; v. 42-52, 1957-1967; v. 53, no. 1-4, 7-10, 1968; v. 54-56, 1969-1971; v. 58-72, 1973-1987; v. 74, no. 5-12, 1989; v. 75-77, 1990-1992
- Annual Review of Earth and Planetary Sciences.
v. 1-6, 1973-1978
- Arctic Research of the U.S.
v. 1-Fall, 1987; v. 2-Fall, 1988; v. 2-Spring, 1988; v. 3-Spring, 1989; v. 3-Fall, 1989; v. 4-Spring, 1990; v. 4-Fall, 1990; v. 6-Spring, Fall, 1992
- Bibliography and Index of Geology.
v. 49, no. 1-6, 1985
- Bibliography of Fossil Vertebrates.
1972-1977, (2 vols.); 1978-1980
- Bibliography of North American Geology (USGS Bulletins). 1785-1918, (B-746 & 747); 1919-1928, (B-823); 1929-1939, (B-937); 1940-1949, (B-1049); 1950-1959, (B-1195); 1960, (B-1196); 1961, (B-1197); 1962, (B-1232); 1963, (B-1233); 1964, (B-1234); 1965, (B-1235); 1966, (B-1266); 1967, (B-1267); 1968, (B-1268); 1969, (B-1269)
- Canadian Mineralogist.
v. 24, pt4, 1986; v. 25, pt3, 4, 1987; v. 26, pt1, 2, 4, 1988; v. 27, pt4, 1989; v. 28, pt1, 2, 1990
- Chemical Geology.
v. 42, 1984
- Chesapeake Science.
v. 1, no. 2-4, 1960; v. 2-17, 1961-1976; v. 18, no. 1-3, 1977
- Ecology.
v. 61-69, 1980-1988
- Eos (American Geophysical Union Transactions). bound
v. 60, no. 1-52, 1980; v. 61, no. 1-52, 1980; v. 62, no. 27-52, 1981
- Eos (American Geophysical Union Transactions). unbound
v. 64, no. 18, 45, 52, 1983; v. 65, no. 16, 1984; v. 66, no. 18, 1985; v. 67, no. 16, 39, 44, 1986; v. 68, no. 50, 1987; v. 69, no. 16, 44, 1988; v. 70, no. 15, 43, 1989; v. 71, no. 17, 28, 43, 1990; v. 72, no. 17, 44, 1991;
- Estuaries.
v. 1-4, 1978-1981; v. 5, 1, 3, 4, 1982; v. 6-7, 1983-1984; v. 9-10, 1986-1987; v. 11, no. 1-3, 1988; v. 12, no. 1-3, 1989; v. 13, no. 1, 2, 1990
- Estuarine Coastal and Shelf Science.
v. 16-17, 1983; v. 18, no. 1, 2, 4, 5, 1984; v. 19, no. 1-6, 1984; v. 20, no. 1-4, 1985; v. 21-27, 1985-1988; v. 29, no. 1-6, 1989
- Exploration & Research for Atomic Minerals.
v. 1, 1988; v. 2, 1990
- Geochimica et Cosmochimica Acta.
v. 48, no. 1, 2, 4-12, 1984; v. 49-53, 1985-1989
- Geological Society of America Bulletin.
v. 72-73, 1961-1962; v. 74, no. 1, 3-12, 1963; v. 75, no. 1, 2, 4-6, 8-12, 1964; v. 76, no. 2-12, 1965; v. 80-84, 1969-1973; v. 85, 1974; v. 87, 1976; v. 88, 1977; v. 89, no. 1, 2, 4-6, 8-11, 1978; v. 90, no. 1-8, 10-12, 1979; v. 91, 1980; v. 93-94, 1982-1983; v. 95, no. 1-11, 1984; v. 96, no. 1-6, 1985; v. 97, no. 2-12, 1986; v. 98, no. 1-6, 1987; v. 99, no. 1-6, 1987; v. 100, no. 1, 3-12, 1988; v. 101, 1989; v. 103, 1991
- Geotectonics.
v. 23-25, 1989; v. 24, 1990; v. 25, 1991
- Hydrological Sciences Journal.
v. 21-26, 1976-1981; v. 27, no. 1, 2, 4, 1982; v. 28, no. 1, 3, 1983; v. 29, no. 1, 3, 1984
- Journal of Geology.
v. 63-64, 1955-1956; v. 65, no. 2-6, 1957; v. 66, no. 1-6, 1958; v. 68, no. 1-6, 1960; v. 69, no. 1, 2, 4, 5, 1961; v. 70, no. 1, 3-5, 1962; v. 71-72, 1963-1964; v. 73, no. 1-3, 5, 6, 1965; v. 74, no. 1-6, 1966; v. 75, no. 1-3, 1967
- Journal of Irrigation and Drainage Engineering.
v. 104, 1978; v. 105, no. 1, 2, 4, 1978; v. 106-116; 1980-1990
- Journal of Petrology.
v. 1, no. 1-8, 1960
- Journal of Water Resources Planning and Management.
v. 105-115; 1979-1989
- Lithos.
v. 1, no. 1-3, 1968; v. 2, no. 1, 2, 1968; v. 3, no. 1, 2, 1970
- Lunar and Planetary Science Conference. Abstracts.
VIII, 1972; v. IV, 1973; v. V, 1974; v. VI, 1975; v. VIII, 1977; v. IX, 1978; v. X, 1979; v. XI, 1980, pt 1 & 3; v. XII, 1983, pt 2; v. XIV, 1983, pt2; v. XV, 1984, pt2.
- National Geographic Society Research Reports.
1964-1968, 1970, 1975
- Proceedings of the Ocean Drilling Program. Initial Reports
v. 17, 1973; v. 32, 1975; v. 126, 1990; v. 133, 1991; v. 135, 1992; v. 136, 1992; v. 137, 1992; v. 139, 1992
- Proceedings of the Ocean Drilling Program. Scientific Results.
v. 101-104, 1988-1989; v. 110, 1990; v. 112, 1990; v.

113, 1990; v. 118-120, 1991-1992; v. 122, 1992; v. 123, 1992; v. 126, 1992
Reviews of Geophysics.
v. 6, no. 1, 2, 4, 1968; v. 7, 1969; v. 8, 1970; v. 9, 1971
Reviews of Geophysics and Space Physics.
v. 27, 1989; v. 28, 1990
Special Libraries Association, Geography & Map Division
Bulletin
no. 98-165; 1974-1991
U.S. Geological Survey. National Earthquake Hazards
Reduction Programs. USGS Open-File Reports.
v. 2-7, 1976-1978; v. 9, 1980, (OF 80-6); v. 11, 1981,

(OF 81-161); v. 12, 1981, (OF 81- 833); v. 14, 1982,
(OF 82-840); v. 19, 1985, (OF 85-22); v. 20, 1985, (OF
85-464); v. 22, 1986, (OF 86-383); v. 23, 1986, (OF 87-
63); v. 24, 1987, (OF 87-374); v. 25, 1988, (OF 88-16);
v. 26, 1988, (OF 88-434); v. 27, 1988, (OF 88-673); v.
28, 1989, (OF 89-453); v. 29, 1989, (OF 90-54); v. 30,
1990, (OF 90-334); v. 31, 1990, (OF 90-680); v. 33,
1992, (OF 92-258)
Water Resources Research.
v. 17-19, 1981-1983; v. 20, no. 1-5, 7-12, 1984; v. 21-
23, 1985-1987; v. 24, no. 1-9, 1988; v. 26, 1990

Geoscience Duplicates Exchange Questionnaire

With budgets diminishing everywhere and material costs rising, resource-sharing strategies of all kinds are worth consideration. Besides helping other geoscience collections, sharing surplus materials makes the world a little "greener" by saving trips to the landfill. Lists published in the *GIS Newsletter* have demonstrated an interest in this activity, but newsletter space is limited and may restrict potential offerings, especially if more libraries participated by generating lists of their own.

A model duplicates exchange network has been in operation for several years among members of the International Association of Aquatic and Marine Science Libraries and Information Centers (IAMSLIC). Members prepare one list of duplicates (or more) per year and send it to each other library for selection. Costs of mailing materials are either paid by the recipient, or in some cases, by the sender. Another idea for facilitating exchanges of useful materials would involve sending lists of surplus serial runs to a "clearinghouse" which would link suppliers with requestors, with the burden of further communication and shipping costs to be borne by the requestor.

Some GIS member libraries already offer duplicate and surplus materials via GEONET, and their experience and ideas would be useful to this discussion. There are other librarians who don't have the means or time to assess the electronic offerings.

We'd like to hear from more GIS members concerning these ideas. Is there sufficient interest and motivation to increase our networking activities for duplicate and surplus sharing? Letters to GIS and/or replies to the following informal questionnaire are welcomed!

1. Does your library currently prepare lists of duplicate or surplus material available for exchange?
Yes_____ No_____
2. Do you consult GEONET regularly for surplus offerings?
Yes_____ No_____
3. Do you currently or will you begin offering surplus materials on GEONET?
Yes_____ No_____
4. Would you participate in a geoscience duplicates exchange (similar to the IAMSLIC model)?
Yes_____ No_____
5. Would you send lists of surplus serials to a "clearinghouse" which would notify requestors of material available?
Yes_____ No_____

Further comments would also be appreciated.

Please send replies to Claren Kidd, Geology Library, University of Oklahoma, 100 E. Boyd R-220, Norman OK 73019-0628 (FAX 405-325-3180) or Lee Regan, USGS Library, 950 National Center, Reston VA 22092 (FAX 703-648-6373)

JOB ANNOUNCEMENT

HEAD LIBRARIAN AND BIBLIOGRAPHER, Falconer Biology Library, Stanford University Libraries and Information Resources, Stanford, Calif.

Stanford University is seeking an experienced librarian with an academic research library background for the position of Head Librarian and Bibliographer of the Falconer Biology effective September 1, 1993.

The Libraries are seeking someone with academic background in one of the life sciences disciplines to administer, set policy, and manage the biology library, to provide reference service and bibliographic instruction in the life sciences, and to develop and manage the collections and resources in the biological sciences. The librarian provides liaison to faculty and graduate students in the Biology Department. The position reports to the Head of the Science and Engineering Resource Group and participates in the work of this Group. Provides reference and supervisory support in other science/engineering libraries as needed. The Biology Librarian also participates in library-wide planning and sits on library and university committees as appropriate.

QUALIFICATIONS: An academic degree in the Life Sciences or the demonstrated equivalent in experience is required. An MLS degree from an accredited graduate school is preferred, though Stanford will accept the equivalent in training and experience. Work experience in an academic research library is preferred. Effective supervisory and management experience, and demonstrated ability to plan and implement new services is required. In-depth knowledge of the literature in the life sciences is required. Knowledge of collection development principles and practices is highly desirable and required at the higher rank. Demonstrated ability to communicate and work effectively with faculty, students and library staff is required. Ability to perform effectively in and contribute successfully to a diverse, multicultural workplace is required. In-depth experience with microcomputers, automated systems, and instructional offerings is preferred.

HIRING SALARY RANGES: Associate rank: \$34,548 - 42,204; Librarian rank: \$39,396 - 49,752

APPLICATIONS: A letter of application, resume, and the names, addresses, and telephone numbers of three references should be submitted by June, 1993 to: Charlotte Derksen, Search Committee Chair, Branner Earth Sciences Library, Mitchell Building, STANFORD UNIVERSITY Stanford, CA 94305-2174. Stanford is committed to the principles of diversity and encourages applications from women, members of ethnic minorities, and individuals with disabilities.

THE GLACIAL DRIFTER

Spring Cleaning

Time to get out your pruning shears and weed the collection. But how?

- Use citation counts to cut out all articles that were cited less than 3 times during the first 5 years after publication.
- Cut out all the articles by authors whom you don't like.
- Throw away all articles that you don't understand.
- Throw away all articles that you don't want to understand.
- Random deselection of articles. Any coin will do.
- Cancel the expensive, little-used titles and throw away the backfiles.
- Get rid of the articles that have dull illustrations, lackluster maps, or strange tables.
- Ask someone else to do it.

Connie J. Manson, Co-Editor
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