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## PRESIDENT'S COLUMN

This month's column is about the GIS budget presented below. The budget, while appearing very simple, actually derives from a lot of input from various people and a good deal of thought about what a budget should accomplish. A reminder of the "history" of this budget: Last year the GIS membership approved various changes in our by-laws. Among those changes were: "ARTICLE IX (Dues and Finances), Section 4. Budget --The Executive Board shall adopt, in advance of the Fiscal Year, an operating budget covering all the activities of the Society and report same to the membership."

In November, admittedly still reeling from the annual meeting, I fully understood the impact of what that by-laws change might entail, and proceeded to enlist the help of GIS officers and chairs in developing such a budget. Since this is the first year we have attempted such, it could best be classified as a learning experience for me, and I do expect that we have laid the groundwork for future years.

I started by asking all committee chairs to submit a budget. This was not made easier by the fact that several

*continued, p. 3*

## GIS-MARY B. ANSARI

## BEST REFERENCE WORK AWARD

The Geoscience Information Society is pleased to announce the creation of the GIS-Mary B. Ansari Best Reference Work Award. Funded by a generous \$5000 gift from former GIS President Mary B. Ansari, the new award fund will enable the Society to present the winner of this annual award, now entering its seventh year, with a monetary award.

In the words of the donor, the establishment of the fund is intended to "help lend more visibility and prestige to this important award." The award will be \$500. per year, and presented to the author or editor of the reference work selected for the award, to be divided equally in cases of multiple authors. Funds will also be used for publicity to promote the visibility of the award and the Society.

Many GIS members know Mary from her many notable GIS activities over the years, including serving as Treasurer in 1985, and as President in 1990 during our 25th anniversary year. Mary and her husband Nazir Ansari, have also been actively involved in development at the University of Nevada, Reno. In 1991, their donation established the Mary B. Ansari Map Library. This past year they presented the university with a gift for the construction of a new Business Government Information Center. In June, Mary will be retiring from her position of director for Administrative Services and Branch Libraries at the University of Nevada, Reno Libraries.

In addition to the establishment of the Mary B. Ansari Best Reference Work Award, the GIS Executive Board will be appointing an ad hoc committee which will examine potential GIS publication opportunities which might also be supported in part by this gift.

The process for selecting the winner of the GIS-Mary B. Ansari Best Reference Work Award will be carried out by the GIS Best Reference Work Committee according to established guidelines. This year's committee is chaired by Marie Dvorzak. Other members are Peter Brueggeman, Carol La Russa, Lee Regan and Margy Walsh. The GIS-Mary B. Ansari Best Reference Work Award will be presented at the annual meeting held in Seattle this coming October. It is hoped that many GIS members will be on hand for this important event and to show our appreciation for Mary's generous support of GIS!



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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 \$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 April, 1994 issue of the GIS Newsletter should be received by the Receiving Editor no later than March 15, 1994.** If possible please send materials on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format) or by e-mail.



## VICE PRESIDENT'S COLUMN

appointments were in transition, or not yet appointed. In other words, in some cases I had to punt. But with the excellent help from committee chairs, and the feedback from the Board, a budget is now in place. There are several "weak links" in terms of exact numbers. Income from membership is not predictable this year, as we do not know whether the dues increase will diminish our numbers. On the publications front, we do not have a good way to predict income, particularly from the Directory of Geoscience Libraries, and do not yet know if we will reprint this year.

Nonetheless, I expect the overall numbers will not be far off the mark. About halfway through the year, the Executive Board can examine income and expenses to date, and decide whether it would be useful to submit an amended budget, or simply to wait and post final income and expenses at the end of the year. Initially I had hoped that the budget would be balanced. Although that did not happen, the projections do not seem too bad. The categories of expenses are grouped in what appears to be a logical manner. If we find a need for further categories we can subdivide the existing ones.

Thanks to the Executive Board for their valuable input on this. Thanks also to Dena Hanson for providing me with the financial report of the Montana Geological Society. This report, from a society of similar size and budget, provided the model for budget development. Comments and questions about the budget are welcome.

In other news, in the last issue I noted that I would be attending the Earth Sciences Societies Summit in Washington, D.C. We had a last minute change and Barbara Haner was able to attend. You will find her report elsewhere in this newsletter.

GIS continues to be well-represented in the earth science community. Dena Hanson, AGI Member Society Council member, has been appointed to the AGI Nominating Committee for the 1995 AGI Executive Committee.

Also you will note elsewhere in this issue the news of the gift we have received from Mary Ansari. With this gift, we have now joined the ranks of Geological Society of America associated societies with endowed and named awards. This is a great move forward for us!

In this issue you will find a **preliminary** list of GIS committees. The list is not yet complete, as all appointments are not yet made. I am pleased to announce that Lois Heiser has taken on the duties of Publications Manager. Thanks to Past-President Louise Zipp for taking on the added duties of Acting Publications Manager for the past several months!

If you are interested in volunteering for GIS committees, and have not yet done so, please contact me. Additional committees and appointments will appear in the April Newsletter.

The program for the October 1994 meeting in Seattle is taking form and luster. Changing Gateways: the Impact of Technology on Geoscience Information Exchange," is the title of this year's symposium. Contributions will include papers on how scientists seek information, use it, and create it as we progress into the electronics age. The impact of the electronic journal in the publishing arena and our changing libraries as we handle this material will be addressed.

This year, a workshop is being planned co-sponsored with GSA on "Geowriting" besides the GIS workshop programs. More details about these programs will be in the April Newsletter. In addition, a technical and poster session are being planned.

Following last years very successful Internet demonstration at our booth in Boston; this theme highlighting new developments and changes will continue.

GIS will be holding its own field trip, probably on the Thursday. Connie Manson and Steve Hiller are enthusiastically organizing it and promise to share with us their own special parts of the Pacific Northwest. I gather, their problem is narrowing the excursion down to fit into one day.

October is many months away and abstracts are not due until July, but as you work with patrons, complete projects and obtain research results, consider sharing this material with other members at the technical session. The poster sessions have also been used in the past as a way to interact with your peers, collect reactions and develop new strategies. Don't let these opportunities slide away. Please let me hear from you and I will send you an abstract form as soon as I get them.

This year has certainly started with a good shake-up in California, a cool-off in the middle west and other unusual natural events in the rest of the country. It certainly seems that we are all experiencing a very different year with many new challenges. E-mail and television brings the details of the events into our offices and homes, but come to Seattle to discuss the consequences and gain new dimensions by communicating with each other. Do changes close some doors, but always open another to new vistas and viewpoints? Really look forward to seeing you in Pugetropolis and setting the world to right over espresso.

Suggestions and comments are always welcome by e-mail (Haner@ucrac1.ucr.edu (internet) or Haner@ucrvms (bitnet)) or by telephone or mail.



**GEOSCIENCE INFORMATION SOCIETY  
OFFICERS, APPOINTEES, REPRESENTATIVES,  
and COMMITTEES  
January 1994**

**Elected Officers**

President: Connie Wick, Oct 1993 - Oct 1994  
Vice-President/President-Elect: Barbara Haner, Oct 1993  
- Oct 1994  
Past-President: Louise Zipp, Oct 1993 - Oct 1994  
Secretary: Clara McLeod, Oct 1992 - Oct 1994  
Treasurer: Margy Walsh, Jan 1994 - Dec 1995

**Appointees**

Auditor: Mary Ann Whitney, 1992 - 1994  
Newsletter Editor: Connie Manson, 1985 -  
Receiving Editor: Deborah Grealy, 1993 - Oct 1994  
Reviews Editor: Linda Musser, 1993 - Oct 1994  
Publications Manager: Lois Heiser, 1994 -  
Publicity Officer: Dena Hanson, 1994 -  
GEONET-L Editor: Lois Heiser, 1992 - 1994

**Representatives**

AGI, GeoRef Advisory Committee: Miriam Sheaves, 1989  
- 1997  
AGI, Government Affairs Program: Marie Dvorzak, 1992  
- Oct 1994  
AGI, Members Society Council: Dena Hanson, 1992 -  
Nov 1995  
AGI, Environmental Advisory Committee: Joanne Lerud,  
1993 - Nov 1995  
ALA, MAGERT: Nancy Butkovich, 1991 - Oct 1994  
ALA, ACRL Science and Tech Section: Thomas Zogg,  
1992 - Nov 1995  
COGEOINFO: Jiri Hruska, 1992 - Nov 1995  
Cartographic Users Advisory Council:  
Michael Noga May 1991 - Apr 1996  
Jim O'Donnell May 1993 - Apr 1995  
North American Cartographic Information Society:  
Edward Hall 1989 - Oct 1994  
Western Assn. of Map Libraries: Michael Noga 1992 -  
Nov 1995

**Committees**

1994 Annual Meeting Program  
Barbara Haner, chair, 1993 - Oct 1994  
Steve Hiller, 1993 - Oct 1994  
Barbara Lindemann-Orr, 1993 - Oct 1994  
Connie Manson, 1993 - Oct 1994  
Vivienne Roumani-Denn, 1993 - Oct 1994

**Archives**

Mary Krick, chair, 1992 - Oct 1994  
Jon Kawula, 1992 - Oct 1994  
Lois Pausch, 1992 - Oct 1994

**Best Reference Work Award**

Marie Dvorzak, chair, 1993 - Oct 1996  
Peter Brueggeman, 1992 - Nov 1995  
Carol La Russa, 1993 - Oct 1996  
Lee Regan, 1993 - Oct 1994  
Margy Walsh, 1992 - Oct 1994

**Best Paper Award**

Regina Brown, chair, 1991 - Oct 1994  
Kathryn Kjaer, 1992 - Nov 1995  
Lois Pausch, 1993 - Oct 1996  
Unni Rowell, 1993 - Oct 1996  
Sally Scott, 1993 - Oct 1996

**Collection Development Issues**

Steve Hiller, chair, 1991 - Oct 1994  
Charlotte Derksen, 1993 - Oct 1996  
Linda Newman, 1993 - Oct 1996  
Michael Noga, 1992 - Nov 1995  
Miriam Pappas, 1992 - Nov 1995  
Lois Pausch, 1992 - Nov 1995  
Kathy Payne, 1991 - Oct 1994

**Digital Data**

Kimberly Parker, chair, 1992 - Nov 1995  
Alain Bruneau, 1993 - Nov 1995  
Karen Campbell, 1993 - Oct 1996  
Jenifer Graves, 1992 - Nov 1995  
David Lapse, 1993 - Oct 1996  
Terry Pinkston, 1991 - Oct 1994  
Victor VanBeuren, 1991 - Oct 1994

**Educational Initiatives**

Regina Brown, co-chair, 1992 - 1995  
Mary Scott, co-chair, 1992 - 1995  
Julia Jackson, 1992 - 1994  
Susan Palmer, 1992 - 1995  
Gertrude Sinnott, 1992 - 1995

**Exhibits**

Dona Dirlam, chair, 1991 - Oct 1994  
Steve Hiller, 1994 - Oct 1996  
Barbara Lindeman-Orr, 1992 - Nov 1995



#### GeoRef Users' Group Steering

Marilyn Stark, chair, 1991 - Oct 1994  
Elaine Clement, 1991 - Oct 1994  
Charlotte Derksen, 1992 - Nov 1995  
Dena Hanson, 1992 - Nov 1995  
John Hunter, 1991 - Oct 1994  
Carolyn Laffoon, 1992 - Nov 1995  
Suzanne Larsen, 1992 - Nov 1995

#### Guidebooks Standards

Lisa Dunn, chair, 1992 - Nov 1995  
Dena Hanson, 1992 - Oct 1994  
Jack Mount, 1991 - Oct 1994  
Mary Spencer, 1992 - Oct 1994  
Nancy Thurston, 1992 - Nov 1995  
Richard Spohn, ex-officio

#### International Issues

Claren Kidd, chair, 1992 - Oct 1996  
Xiping Cao, 1993 - Oct 1995  
Zelda Colodner, 1992 - Nov 1995  
Margaret Eva, 1992 - Oct 1994  
Barbara Haner, 1992 - Oct 1994  
Independencia Iselidh, 1992 - Nov 1995  
Dorothy McGarry, 1992 - Nov 1995

#### Membership

Nan Butkovich, chair, 1990 - Oct 1996  
Judy Geitgey, 1992 - Nov 1995  
Carolyn Laffoon, 1991 - Oct 1994  
Mary Ann Whitney, 1992 - Oct 1994

#### Newsletter Advisory Board

Deborah Grealy, chair, 1991 - Oct 1996  
Tamra Armstrong, 1992 - Nov 1995

#### Nominating

Michael Noga, chair, 1993 - Oct 1994  
Connie Manson, 1993 - Oct 1994  
Margy Walsh, 1993 - Oct 1994  
Louise Zipp, 1993 - Oct 1994

#### Ad Hoc Committee on the Directory of Geoscience Libraries, 5th ed.

Connie Manson, chair, 1993 -  
Diane Baclawski, 1993 -  
Lois Pausch, 1994 -

#### Ad Hoc Committee on the 5th International Conference on Geoscience Information

Richard Walker, chair, 1988 - June 1994  
Marie Dvorzak, 1988 - June 1994  
Claren Kidd, 1988 - June 1994

Marjorie King, 1988 - June 1994  
David Reade, 1988 - June 1994  
Unni Rowell, 1988 - June 1994  
Dederick Ward, 1988 - June 1994

#### Ad Hoc Committee on the Union List of Geologic Field Trip Guidebooks, 6th edition

Richard Spohn, chair, 1987 - June 1994  
Dorothy McGarry, co-chair, 1987 - June 1994  
Barbara Haner, 1987 - June 1994  
Claren Kidd, 1987 - June 1994  
Marjorie King, 1987 - June 1994  
Lorraine Knox, 1991 - June 1994  
Clara McLeod, 1987 - June 1994  
Carol Messick, 1989 - June 1994  
Jack Mount, 1987 - June 1994  
Mary Spencer, 1990 - June 1994  
Thelma Thompson, 1987 - June 1994  
Nancy Thurston, 1987 - June 1994  
Linda Radcliffe, AGI liaison

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### Geoscience Information Society 1994 Budget

#### Projected Expenses:

|                                 |         |
|---------------------------------|---------|
| Executive Board:                | \$2740. |
| Meeting and Exhibit:            | \$3800. |
| Publications:                   | \$7300. |
| Appointees and Representatives: | \$2800. |
| Committee:                      | \$1580. |
| AGI Dues:                       | \$900.  |
| Bank Charges:                   | \$30.   |

**TOTAL PROJECTED EXPENSES** \$19150.

#### Projected Income:

|                 |          |
|-----------------|----------|
| Dues:           | \$11500. |
| Gifts:          | \$750.   |
| Publications:   | \$6000.  |
| Mailing Labels: | \$300.   |
| Field Trip:     | \$300.   |
| Interest:       | \$250.   |

**TOTAL PROJECTED INCOME** \$19100.



## GIS REPRESENTATIVE REPORT

### Cartographic Users Advisory Council

The Cartographic Users Advisory Council (CUAC) held its Annual Meeting at the Library of Congress on October 19-20, 1993. The business meeting was held on October 19. Marsha Selmer from the University of Illinois at Chicago (representing the Special Libraries Association Geography & Map Division) has agreed to become the new Chair of CUAC.

The CUAC meeting was preceded by "The Map Library in Transition," a joint conference sponsored by the Congress of Cartographic Information Specialists Associations and the Geography and Map Division, Library of Congress. Some of the agency speakers who normally attend CUAC meetings made presentations at this meeting instead. Notes from this meeting were recently posted on MAPS-L. Ask one of the CUAC representatives for a copy if you do not have access to MAPS-L.

On October 20, CUAC held its federal agency update. This is an open meeting in which several agencies report on new developments, particularly regarding cartographic information. At this point, CUAC agency liaisons and other CUAC members ask questions posed by their constituents. The minutes are not available yet, but here are some of the highlights.

Agency: Library of Congress; Speaker: Ralph Ehrenberg; CUAC liaison: Richard Fox

Work on revision of the cartographic cataloging manual continues. A foreign Cutters list will be published.

Agency: Government Printing Office; Speaker: Sheila McGarr; CUAC liaison: Melissa Lamont

The Digital Chart of the World (DCW) will be distributed to depository libraries that select it. Survey 93-002 for the DCW (item 0378-E-36) was faxed to depository libraries that have fax machines. Others are receiving the survey via first-class mail. The survey response date is December 10, 1993.

Agency: Documents Expediting Project (DocEx); Speaker: Joseph Mahar; CUAC liaison: Richard Fox

DocEx is part of the Library of Congress Exchange & Gift Division. The office sends federal government publications to 130 libraries across the US. Subscribers receive publications as they come into the office. There is also a separate subscription for just CIA maps, which are automatically sent after they are received at the DocEx office.

Agency: Defense Mapping Agency; Speaker: Charles Monroe; CUAC liaison: Margaret Brill

The Digital Chart of the World (DCW) will be distributed to depository libraries. The first edition will sent to depository libraries that request it on GPO's survey. New editions will eventually be sent to depositories. The

second edition of the DCW will come out in 14 months. Agency: US Geological Survey; Speakers: John Wood and Bruce Hubbard; CUAC liaison: Michael Noga

One third of the state single-sheet topographic map indexes have been printed. The rest should be finished in Fiscal Year 1994. The index for California has just been published.

The 1:100,000 Digital Line Graph CD-ROMs for all regions should be available by January 1994. CD-ROMs for Area 3 (Southeastern States) and Area 13 (Northwestern States) were produced recently.

The digital orthophotoquad (DOQ) program will produce digital images of aerial photographs of the lower 48 states and Hawaii over a five-year period. The DOQs will be released to the public on CD-ROM discs. A single CD-ROM disc will typically cover a single county. However, some smaller counties will be grouped together on one disc, and some larger counties will be covered on multiple discs. GPO is considering the cost of distribution of DOQs to depository libraries. There will be some restrictions on the distribution of DOQs to depositories. Each CD-ROM will also be available for \$32.

The Geographic Names Information System (GNIS) on CD-ROM will become available to depository libraries.

3,500 maps were printed by USGS in 1992. 4,000 maps were printed in 1993. Topographic map orders should list the file numbers from the brown index booklets.

In September 1993, USGS published a catalog of DMA publications that it distributes to the public for DMA. The catalog is called "Defense Mapping Agency, Public Sale Topographic Maps and Publications." Copies of the catalog are available from any Earth Science Information Center (ESIC) or by calling 1-800-USA-MAPS.

GPO is selling a publication that tracks and highlights CD-ROM products, both completed and in process, that contain data provided by federal, state, or other non-profit agencies. The publication is called the "SIGCAT CD-ROM Compendium." Order it from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. It costs \$6.50 and it's stock number is S/N 021-000-00153-8. International customers are asked to add 25% to the cost.

respectfully submitted,  
Michael Noga, GIS CUAC Representative and USGS liaison

Jim O'Donnell, GIS CUAC Representative and NASA and NGDC liaison



## ANNOUNCEMENTS

### Dr. Gordon Eaton Nominated to Head the U.S. Geological Survey

Secretary of the Interior Bruce Babbitt today praised President Clinton's selection of Dr. Gordon P. Eaton to be the new Director of the U.S. Geological Survey (USGS).

"I am exceptionally pleased with the President's announcement that he intends to nominate Dr. Eaton to head the USGS," Babbitt said. "Dr. Eaton is the ideal candidate to lead the Nation's premier water and earth science information agency, at a time when we are facing many critical decisions on the environment. I am confident that he will lead the USGS to an even stronger role in providing us with the scientific information needed for wise policy decisions."

Eaton, 64, is a highly distinguished earth scientist, administrator, and former employee of the USGS. He is currently Director of the Lamont-Doherty Earth Observatory of Columbia University, one of the country's foremost research centers for the earth sciences. In addition to his 16 years of experience with the USGS, Dr. Eaton has served as President of Iowa State University in Ames, and Provost and Vice President for Academic Affairs at Texas A&M University. He is a Fellow of the Geological Society of America and the American Association for the Advancement of Science.

A native of Ohio, Eaton received his formal training in geology at Wesleyan University (B.A. with high honors and high distinction, 1951) and both M.S. (1953) and Ph.D. (1957) at the California Institute of Technology.

Eaton enjoys broad support and respect throughout the earth science community for both his scientific credentials and his demonstrated ability to manage a large research institution. He was highly recommended for the nomination by the National Academy of Sciences, which at the request of Secretary Babbitt conducted a nationwide search for candidates qualified to head the USGS.

Upon confirmation by the Senate, Eaton would become the 12th director of the 114 year-old USGS. Headquartered in Reston, Va., the USGS has the federal government's largest civilian mapping program, the largest water resources scientific and data program, is responsible for the assessment of energy and mineral resources in the national domain, and conducts basic and applied research in a wide range of earth science and earth hazard programs.

Dr. Eaton is married with two grown children.

-- from: Department of the Interior News Release  
(1/5/94)

### Internet Access to the USGS Library

The USGS Library catalog can now be searched over the Internet. The catalog contains materials that have been added to the collection over the last 20 years.

Three ports on the Library's LS/2000 system are available for telnet access using the following procedures:

1. Type TELNET 130.11.54.234  
or TELNET LIBRARY.ER.USGS.GOV
2. At the response Trying...Connected, hit <Return>
3. At the PW prompt, type GSL <Return> [Letters must be in caps]
4. At the ID prompt, type LS2K <Return> [Letters must be in caps]
5. At the Terminal: VT/100 prompt, hit <Return>
6. The next screen displays the opening menu of the online catalog.
7. To exit, type /EXIT <Return>
8. At the Goodbye message, end the TELNET session using normal procedures for your site. For users of the USGS VAX in Reston, VA, (ISDRES) the procedure is to hit Control/Shift/6 at the same time, and then hit X. At the next prompt, hit Q then <Return> to quit.

The USGS plans to install a new library system later this year, so these procedures will change at that time. They also hope to have e-mail access for the librarians at that time.

### Gopher trees to USGS

To access USGS information via Gopher (with thanks to Linda Zellmer):

Start Gopher

Select Gopher Servers World Wide

Select Gopher Jewels (Gopher by subject category)

Select the Geology & Oceanography subject

category.

USGS is entered as US Geological Survey (USGS)

For the USGS Telephone Book

Select Campus Phone Books World Wide

Select Other Institutions (not your own campus)

Select North America

Keep Paging down to the U's and you will find

USGS.

Zellmer said, "I have used the phone book system several times in response to patron requests. It even has e-mail addresses!"



## MiniGeoRef on OCLC

Marilyn Stark, Chair, GeoRef Users Group Steering Committee reports: MiniGeoRef on First Search was discontinued, effective January 1, 1994, as John Mulvihill announced at the Annual Conference. After the meeting, John tried to get MiniGeoRef reinstated. OCLC said AGI was too late, and Geobase will be on First Search instead. GeoRef will remain on EPIC.

## Association of Engineering Geologists section contacts

At the Boston GSA meeting, Michael Noga obtained this list of contacts for the individual sections of the Association of Engineering Geologists. He thought it would be useful for obtaining local publications, especially guidebooks.

Alaska: Robert G. Dugan, Box 636, Girdwood, AK 99587  
Allegheny-Ohio: Michael E. Fetsko, ENSR Consulting & Engineering, 1001 Liberty Ave 9th Floor, Pittsburgh, PA 15222

Arkoma: Murray R. McComas, Rt. 1 Box 106, Coweta, OK 74429

Baltimore-Washington-Harrisburg: Benjamin Robert Like, EBA Engineering Inc, 5800 Metro Drive, Baltimore, MD 21215

Carolina: Mark E. Landis, GEI Consultants, Inc, 7721 Six Forks Road, Ste. 136, Raleigh, NC 27615-5014

Kansas City-Omaha: Lawrence L. Brady, 913 West 28th Street, Lawrence, KS 66046

Lower Mississippi Valley: Leonard H. Guilbeau, 1543 Dahlia Street, Baton Rouge, LA 70808

Montreal: Alain C. Liard, 4304 Des Groseillers, Montreal PQ, Canada H1M 1V2

New England: John T. Humphrey, Haley & Aldrich Inc, 58 Charles Street, Cambridge, MA 02141-2108

New York-Philadelphia: James T. Moore, ICF Kaiser Engineers, Inc, 379 Thornall Street, Edison, NJ 08837

North Central: John R. Serafin, 321 South Kensington Avenue, La Grange, IL 60525

Ohio River Valley: Stephen T. Hornbeck, 2804 Colony Pointe, Ashland, KY 41102

Oregon: Charles E. Stearns, USDA-SCS, 511 NW Broadway Room 248, Portland, OR 97209

Rocky Mountain: Gerald D. Burk, 2357 South Garrison Court, Lakewood, CO 80227

Sacramento: Sarah E. Wilkinson, EBASCO Services Inc., 2525 Natomas Park Dr. Ste 250, Sacramento, CA 95833-2933

St. Louis: Lawrence C. Rosen, Shannon & Wilson Inc., 11500 Olive Blvd Suite 276, St. Louis, MO 63141

San Francisco: Kevin Darryl Brown, 179 Seal Rock Drive, San Francisco, CA 94121

South Africa: Frank Netterberg, 79 Charles Jackson Street, Weavind Park, Pretoria, South Africa 0184

Southeastern: Carol F. Sweet, Metcalf & Eddy, Inc., Ste. 1101, 1201 Peachtree 400 Colony Sq, Atlanta, GA 30361

Southern California: Tania Gonzalez, 913 E. Van Bibber Avenue, Orange, CA 92666

Southwestern: Ann Laurie Backstrom, Kleinfelder Inc., 6850 S Paradise Road, Las Vegas, NV 89119

Texas: Donald D. James, Baker Shiflett Inc., 5701 East Loop 820 South, Fort Worth, TX 76119

Utah: Brian A. Bryant, Salt Lake Planning Div, 2001 S. State St. Ste N3700, Salt Lake City, UT 84190-4200

Washington State: Peter M. Hansen, EBASCO Services, 10900 NE 8th Street Ste 500, Bellevue, WA 98004-4405

## PUBLICATIONS

The Field Trip Guidebook for the Cordilleran Section Geological Society of America Meeting, March 1994, compiled by Tim Ross and Sally McGill, will be published by the San Bernardino County Museum in mid-March, 1994. The cost of the guidebook is \$30 if the order is received on or before Feb. 14, 1994; \$35 thereafter. Order from:

ATTN Candace McGloin  
San Bernardino County Museum  
2024 Orange Tree Lane  
Redlands, CA 92374

AESIS, the Australian Earth Sciences Information System, has been released on CD-ROM.

This Australian national geoscience reference system is produced by the Australian Mineral Foundation and has over 110,000 references. It covers published and unpublished information on Australian mineral and petroleum exploration and development, inclusive of mining, extractive metallurgy, energy, and associated areas such as analytical chemistry, climatology, computer applications, remote sensing, and environmental protection.

Besides AESIS, the GEOPAC CD-ROM contains 5 other databases: MINFINDER, COREFINDER, and TITLEFINDER from the New South Wales Department of Mineral Resources, SAMREF from the South Australia Department of Mines and Energy, and QERI from the Queensland Department of Minerals and Energy.

Annual subscriptions (including one 6-month update) are available outside Australia for US \$725.

For more information, contact:  
Kevin Bond  
Australian Mineral Foundation  
63 Conyngham Street  
Glenside, SA 5065  
AUSTRALIA



## Summit Meeting of Earth Science Societies

reported by

Barbara E. Haner

Representatives from thirty earth science societies assembled for the Second Earth Science Societies Summit Meeting on November 30, 1993. The First Summit Meeting in 1991 resulted in the "Coalition for Earth Science Education"; this has had a definite impact on K-12 science education and continues to gain momentum. The goal of the second summit was to review the effectiveness of earth science society programs to influence government affairs and public policy. The end of the Cold War is perhaps as critical as the end of World War II for science policy. Immediately after WWII there was an unprecedented blossoming and creative surge in all scientific fields utilizing the scientific infrastructure required to support the war effort. Now there is an opportunity to reshape scientific programs when environmental issues, global warming, natural hazards, water quality and national mapping programs are at the forefront. It coincides with a new generation and younger faces on Capitol Hill who support an administration sympathetic to environmental issues. Senator Jay Rockefeller sums up the new assignment to scientists as one "...to help foster long term economic growth that creates jobs and protects the environment."

To gain perspective on the impact of societal programs in public policy, the meeting was divided into four panel presentations: Government Affairs and Public Policy Programs; Government Perspectives on the Impacts of these Programs in the Professional Societies; Congressional Science Fellows Program; and Effectiveness of the Earth Science Community in Government Policy.

Speakers included Congressional Science Fellows, society presidents, representatives from the USGS, NOAA, Association of American State Geologists, Office of Science and Technology, National Research Council, National Science Foundation, American Geophysical Union, and the American Geological Institute.

James Hays (NSF) emphasized the valuable neutral position societies have as they represent large, responsible scientific bodies who can effectively lobby for their members at a time of scientific research budget reduction and redirection toward applied research. James Baker reminded us that in the past the earth scientists have successfully gained support for big projects such as the Deep Sea Drilling Program, but in the present climate, funded projects will probably be in the applied fields with a broad public interest focus. Michael Nelson, from the Office of Science and Technology Policy, pointed out that as technology propels us into the information age, increasing environmental problems, earth scientists should insure

that the facts, problems, and possible solutions come from succinct, scholarly reports and not the news media. Craig Schriffries's presentation described his efforts to reach government committees emphasizing that continued research and understanding of geological phenomena play significant roles in deploying resources to solve, protect and foster growth. Schriffries, currently AGI Government Affairs Program liaison, served as a Congressional Fellow and four other panelists were either past or present earth science trained Fellows. Each reiterated that they are looked upon as representing the total field of science, but the flexibility and training to deal with multi-faceted, open-ended problems, typical of geology, makes them valued staff team members supporting their chosen Member of Congress.

Four resolutions were approved at the end of the day reflecting interest generated by the lively discussion following Schriffries and the Congressional Science Fellows presentations. The resolutions were:

1. To create an Ad Hoc Committee to explore a coalition of earth science societies as a coordinating mechanism for influencing government policy.
2. To increase AGI Government Affairs Program from one to two representatives within two years.
3. To expand the earth science societies' support of the Congressional Fellows Program.
4. To create a distinguished lecture series on government policy. Congressional Fellows would be asked to talk to geology societies and especially students of the opportunities available to qualified earth science graduates as government policy makers.

Everyone left the meeting with a better understanding of the critical role of the Congressional Science Fellows program in preparing briefs and working within the democratic process. AGI's role in the public policy arena was recognized and given support to increase funding in this area. The program clearly demonstrated that the earth science societies have a role to play provided they act as a cohesive body. At the meeting, I expressed concern about the access to information and the necessary safeguards that must be put in place to insure that the proposed National Repository Data Collection is accessible. It is certainly important that our society be represented at such gatherings because we must actively participate if we are to maintain the support of geoscientists in our future efforts.

Submitted by Barbara E. Haner



## REVIEWS

by  
Linda Musser

"Thermodynamic properties of substances: a selected, annotated guide to the printed literature" by Diana Northrup and Donna Cromer (*Science & Technology Libraries*, v. 14, no. 1 (Fall 1993) p. 57-95) is a guide to the reference literature on thermodynamic properties. An index by substance type (e.g., minerals, elements, etc.) and thermodynamic property gives hints on which tools to use.

"Information seeking behavior of faculty: use of indexes and abstracts by scientists and engineers" by Julie Hurd, Ann Weller and Karen Curtis (*ASIS '92: Proceedings of the 55th Annual Meeting*, p.136-143) is a report of a study of University of Illinois-Chicago faculty. The authors investigated faculty use of Chemical Abstracts, Science Citation Index, Current Contents, and other indexes. They also surveyed the faculty about the methods they used to obtain the articles of interest.

"National science and technology institutions in Latin America and the Caribbean" by Benita Weber Vassallo (*Issues in Science and Technology Librarianship*, no. 8 (12/93) lines 1009-1116) is a short listing with names, addresses and phone numbers arranged by country.

In the same issue as the above, in a report by David Block on the SLA State of the Art Institute on Latin America, Eileen Ables discussed the holdings (or lack thereof) of Latin American scientific journals by libraries in developed nations (lines 662-911).

"Field guides for everyone: a guide to their diversity" by Diane Schmidt (*RSR*, v. 21, no. 3 (Fall 1993): p. 43-48, 61) discusses types of field guides, with a focus on biological guides. Guides to nonliving objects receive only a passing mention.

"Will there still be a need for translations in the year 2000 or will there be just one universally accepted language used for scientific and technical writing?" by Mickey Risseuw, Director of the International Translations Centre (*Online and CDROM Review*, v. 17, no. 4 (Aug. 1993) p. 237-238) focuses on what is happening at the ITC and what the future holds in the area of translations.

There have been quite a few articles focusing on CD-ROMs in the library lately, some of which are listed below. The titles are pretty indicative of the focus of each article.

"Introducing numeric CD-ROMs in your library: challenges and issues" by Oya Y. Rieger (*Micros for Information Management*, v. 10, no. 2 (June 1993) p. 93-118).

"CD-ROM end-user instruction: Issues and challenges" by Jean Reese (*Micros for Information Management*, v. 10, no. 2 (June 1993) p. 131-154).

For those who want an abridged version of the above see "Practical tips for CD-ROM end-user instruction:

making the most of your time" by Jean Reese (*CD-ROM Professional*, v. 7, no. 1 (January 1994) p. 59-60).

"Point-of-use instruction on CD-ROM: how much is too much?" by M. D. Tumlin (*National Online Meeting* (1993) p. 415-421).

"Evaluation of electronic databases: criteria for testing CD-ROM products" by Veronica Harry and Charles Oppenheim (*Online and CDROM Review*, v. 17, no. 4 (Aug. 1993) p. 211-222).

Other things electronic are featured in the following articles:

"One-stop Internet shopping - NCSA Mosaic on the Macintosh" by Ed Valauskas (*Online*, v. 17, no. 5 (Sept. 1993) p. 99-101). describes Mosaic, an interface program for Internet, and its uses.

"Bibliographic software: point of reference" by Rubin Rabinovitz (*PC Magazine*, v. 12, no. 17 (Oct. 12, 1993) p. 269-283) describes and reviews five bibliographic software packages - EndNote Plus, Library Master, Papyrus, Pro-Cite, and Reference Manager.

"Papyrus: Good Bibliographic Value at a Reasonable Price" by Sue Stigleman in *Database*, June 1993, p. 82-87.

"Library Master Version 2.0: Steady Improvement for 'One of the Best'" by T. E. Wolff in *Database*, December 1993, p. 68-71.

Some recent publications in library and information science are listed below:

Electronic journal literature: implications for scholars. Meckler, 1993.

Handbook of special librarianship and information work. Learned Information, 1992.

Innovation for information: international contributions to librarianship. University of Essen, 1992.

Internet primer for information professionals: a basic guide to internet networking technology. Meckler, 1992.

Introduction to library public services. Libraries unlimited, 1992.

Librarianship: the erosion of a women's profession. blex, 1992.

Malpractice issues in librarianship. SLA, 1992.

Managing the one-person library. Bowker-Saur, 1992.

Non-standard collection management. Aldershot, 1992.

Preservation of library and archival materials: a manual. Northeast Document Conservation Center, 1992.

Security and crime prevention in libraries. Aldershot, 1992.

SLA biennial salary survey. SLA, 1993.

Strategic planning basics for special librarianship. SLA, 1992.

Studies in multimedia. Learned Information, 1992.

Will the chain break: differential pricing as part of a new policy structure for research literature. Saur, 1992.

Working with faculty in the new electronic library. Pierian, 1992.



**Prices of Geoscience Serials**  
 compiled by  
 Michael Noga  
 Committee on Collection Development Issues

The following price list comes from the database that I have maintained since 1987. Most prices come from invoices received at the UCLA Geology/Geophysics Library or other campus libraries. I have gathered prices from the serial price lists of publishers and vendors when I do not have information for specific titles. 1994 prices are generally listed only when the price is considered firm. Monographic serial prices are tallied for payments in a single fiscal year.

Average price increase for 1992/1993 = 19.4% (351 titles)

Average price increase for 1993/1994 = 3.2% (187 titles)

| TITLE  | PRICE92 | PRICE93 | PRICE94 |
|--|---------|---------|---------|
| A N SSSR. Izvestiia. Physics of the Solid Earth    | 565     | 565     | 0       |
| AAPG Bulletin                                      | 135     | 135     | 135     |
| AAPG Memoir  | 179     | 221     | 0       |
| Acta Geodaetica Geophysica et Montanistica         | 56      | 70      | 0       |
| Acta Geologica Hungarica                           | 72      | 72      | 0       |
| Advances in Geophysics                             | 77      | 86      | 0       |
| Advances in X-Ray Analysis                         | 98      | 161     | 110     |
| Albertiana   | 5       | 7       | 0       |
| Alcheringa   | 49      | 67      | 0       |
| Ambio  | 168     | 170     | 170     |
| American Journal of Science                        | 90      | 90      | 0       |
| American Malacological Union. Bulletin             | 32      | 32      | 0       |
| American Mineralogist                              | 200     | 225     | 250     |
| American Scientist                                 | 45      | 45      | 45      |
| Annales de Paleontologie                           | 285     | 310     | 318     |
| Annales Geophysicae: Atmospheres Hydrospheres Spac | 531     | 721     | 597     |
| Annales Tectonicae                                 | 63      | 68      | 0       |
| Annals of Glaciology                               | 106     | 255     | 0       |
| Annual Review of Astronomy and Astrophysics        | 51      | 57      | 0       |
| Annual Review of Earth and Planetary Sciences      | 59      | 59      | 0       |
| Annual Review of Fluid Mechanics                   | 44      | 44      | 43      |
| Antarctic Journal of the United States             | 13      | 13      | 14      |
| Antarctic Science                                  | 151     | 156     | 164     |
| Applied Geochemistry                               | 232     | 300     | 300     |
| Archaeometry                                       | 56      | 59      | 70      |
| Archiv fuer Lagerstatt Der Geol Bundesanstalt Wien | 62      | 26      | 39      |
| Arctic   | 79      | 85      | 85      |
| Arctic and Alpine Research                         | 70      | 70      | 75      |
| Asociacion Geologica Argentina. Revista            | 65      | 40      | 0       |
| Astronomical Almanac                               | 27      | 27      | 29      |
| Astrophysical Journal                              | 830     | 875     | 920     |
| Astrophysics and Space Science                     | 2083    | 2805    | 2668    |
| Atlantic Geology                                   | 38      | 38      | 0       |
| Atoll Research Bulletin                            | 10      | 20      | 0       |
| Australian Journal of Earth Sciences               | 225     | 290     | 325     |
| Australian Journal of Marine and Freshwater Res    | 170     | 180     | 220     |
| Basin Research                                     | 168     | 209     | 190     |
| Bioscience   | 100     | 105     | 0       |
| BMR Journal of Australian Geology                  | 58      | 57      | 0       |
| Boreas   | 140     | 142     | 127     |



|  |      |      |      |
|--|------|------|------|
| Bulletin Geodesique                                | 88   | 109  | 119  |
| Bulletin of Assoc of Engineering Geologists        | 90   | 90   | 90   |
| Bulletin of Canadian Petroleum Geology             | 67   | 60   | 56   |
| Bulletin of the Internat Assoc of Eng Geologists   | 93   | 85   | 0    |
| Bulletin of Volcanology                            | 306  | 436  | 443  |
| Bulletins of American Paleontology                 | 90   | 90   | 115  |
| Canadian Inst of Mining & Metallurgy. CIM Bulletin | 125  | 125  | 0    |
| Canadian Journal of Earth Sciences                 | 326  | 335  | 365  |
| Canadian Mineralogist                              | 150  | 195  | 250  |
| Canadian Mining Journal                            | 38   | 35   | 0    |
| Carbonates and Evaporites                          | 50   | 50   | 52   |
| Catena   | 299  | 332  | 363  |
| CCOP Newsletter                                    | 5    | 5    | 0    |
| Celestial Mechanics and Dynamical Astronomy        | 359  | 716  | 704  |
| Chemical Geology                                   | 1164 | 1447 | 1626 |
| Chemie der Erde                                    | 122  | 126  | 0    |
| Chikyu Kagaku (Earth Science)                      | 102  | 109  | 0    |
| Chinese Journal of Geochemistry                    | 242  | 258  | 0    |
| Chinese Journal of Geophysics                      | 320  | 350  | 0    |
| Chronique de la Recherche Miniere                  | 125  | 134  | 0    |
| Clay Minerals                                      | 159  | 141  | 150  |
| Coastal Research                                   | 5    | 6    | 6    |
| Compass  | 12   | 12   | 0    |
| Computers & Geosciences                            | 933  | 1045 | 930  |
| Continental Shelf Research                         | 589  | 713  | 760  |
| Contributions to Mineralogy and Petrology          | 1624 | 2043 | 2032 |
| Cretaceous Research                                | 235  | 330  | 450  |
| Dansk Geologisk Forening. Bull of Geol Soc of Denm | 56   | 48   | 0    |
| Deep Sea Research                                  | 1301 | 1644 | 1565 |
| Deutsche Geologische Gesellschaft. Zeitschrift     | 65   | 67   | 0    |
| Earth and Planetary Science Letters                | 984  | 1197 | 1366 |
| Earth Moon and Planets                             | 682  | 931  | 841  |
| Earth Sciences History: Journ of the Hist of Earth | 30   | 30   | 50   |
| Earth Surface Processes and Landforms              | 425  | 565  | 635  |
| Earth-Science Reviews                              | 348  | 430  | 439  |
| Eclogae Geologicae Helvetiae                       | 321  | 379  | 374  |
| Ecological Monographs                              | 45   | 45   | 45   |
| Ecology  | 150  | 180  | 210  |
| Economic Geology                                   | 105  | 112  | 132  |
| Elf-Aquitaine Centres de Rech Expl-Prod. Bulletin  | 31   | 35   | 35   |
| Engineering Geology                                | 506  | 608  | 650  |
| Environmental Geology                              | 219  | 337  | 310  |
| Environmental Science and Technology               | 395  | 444  | 497  |
| Eos  | 190  | 205  | 0    |
| Episodes   | 33   | 40   | 44   |
| Erlanger Geologische Abhandlungen                  | 17   | 14   | 0    |
| Estuarine, Coastal, and Shelf Science              | 484  | 534  | 560  |
| European Journal of Mineralogy                     | 362  | 453  | 200  |
| Evolution  | 150  | 160  | 160  |
| Exploration Geophysics                             | 90   | 110  | 0    |
| Facies   | 160  | 53   | 54   |
| Fluid Inclusion Research                           | 32   | 32   | 0    |
| Ganko (J of Japanese Assoc of Min Pet & Econ Geolo | 130  | 138  | 0    |
| Geo Katalog  | 88   | 88   | 0    |
| Geo-Marine Letters                                 | 157  | 202  | 186  |



|  |      |      |      |
|--|------|------|------|
| Geoarchaeology                                     | 195  | 225  | 0    |
| Geobios  | 153  | 181  | 143  |
| Geobyte  | 24   | 27   | 0    |
| Geochemical Journal                                | 150  | 160  | 0    |
| Geochemistry International                         | 895  | 1150 | 1296 |
| Geochimica et Cosmochimica Acta                    | 670  | 775  | 895  |
| Geochronique                                       | 42   | 41   | 0    |
| Geoderma   | 575  | 783  | 1003 |
| Geodinamica Acta                                   | 205  | 222  | 227  |
| Geoforum   | 404  | 424  | 410  |
| Geolog   | 14   | 13   | 0    |
| Geological Curator                                 | 0    | 19   | 0    |
| Geological Journal                                 | 235  | 265  | 295  |
| Geological Magazine                                | 220  | 249  | 263  |
| Geological Society of America Bulletin             | 170  | 185  | 185  |
| Geological Society of America Abstracts W Programs | 70   | 73   | 80   |
| Geological Society of America Special Paper        | 462  | 274  | 0    |
| Geological Society of America Memoir               | 98   | 294  | 0    |
| Geological Society of India. Journal               | 100  | 100  | 100  |
| Geological Society of London. Journal              | 487  | 441  | 524  |
| Geologie de la France                              | 107  | 134  | 0    |
| Geologie en Mijnbouw                               | 124  | 148  | 153  |
| Geologische Blatter fuer Nordost-Bayern und Angren | 25   | 27   | 0    |
| Geologische Rundschau                              | 189  | 337  | 300  |
| Geologisches Jahrbuch. A: Allgemeine und Regionale | 441  | 190  | 0    |
| Geologisches Jahrbuch. D: Min Pet Geochem Lagersta | 162  | 18   | 0    |
| Geologists' Association Proceedings                | 140  | 129  | 134  |
| Geology  | 140  | 150  | 150  |
| Geology Today                                      | 165  | 195  | 172  |
| Geomagnetism and Aeronomy                          | 545  | 545  | 0    |
| Geomicrobiology Journal                            | 120  | 132  | 145  |
| Geomorphology                                      | 238  | 423  | 594  |
| Geophysical and Astrophysical Fluid Dynamics       | 2815 | 5089 | 0    |
| Geophysical Journal International                  | 845  | 970  | 994  |
| Geophysical Prospecting                            | 335  | 362  | 369  |
| Geophysical Research Letters                       | 480  | 498  | 590  |
| Geophysics   | 195  | 250  | 250  |
| Geophysics, the Leading Edge                       | 65   | 70   | 70   |
| Geophytology                                       | 45   | 100  | 0    |
| GeoRef   | 2050 | 2150 | 0    |
| Geoscience Canada                                  | 37   | 34   | 31   |
| Geoscientist                                       | 63   | 67   | 70   |
| Geostandards Newsletter                            | 71   | 75   | 0    |
| Geotectonics                                       | 395  | 395  | 0    |
| Geothermal Resources Council Bulletin              | 75   | 75   | 80   |
| Geothermics  | 356  | 409  | 425  |
| Geotimes   | 25   | 35   | 0    |
| GFF: Geologiska Foreningerhandlingar               | 130  | 123  | 0    |
| Giornale di Geologia                               | 66   | 50   | 48   |
| Global Biogeochemical Cycles                       | 135  | 148  | 185  |
| Historical Biology                                 | 218  | 488  | 0    |
| Holocene   | 0    | 225  | 0    |
| Hydrological Processes                             | 0    | 250  | 0    |
| Hydrological Sciences Journal                      | 160  | 160  | 160  |
| Icarus   | 858  | 966  | 1080 |



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|--|------|------|------|
| Ice  | 29   | 27   | 0    |
| Indian Journal of Geology                          | 45   | 45   | 45   |
| International Geology Review                       | 748  | 789  | 849  |
| International Journal of Rock Mechanics & Geomecha | 953  | 1197 | 845  |
| International Journal of Coal Geology              | 567  | 617  | 466  |
| International Nannoplankton Association Newsletter | 20   | 20   | 0    |
| International Seismological Centre. Bulletin       | 257  | 243  | 0    |
| IOP Newsletter (Internat Org of Paleobotany)       | 10   | 10   | 0    |
| Israel Journal of Earth Sciences                   | 70   | 82   | 160  |
| Izvestiia. Physics of the Solid Earth              | 0    | 565  | 0    |
| Journal of African Earth Sciences (& Middle East)  | 607  | 595  | 675  |
| Journal of Applied Geophysics                      | 186  | 212  | 417  |
| Journal of Atmospheric and Terrestrial Physics     | 1144 | 1279 | 1245 |
| Journal of Atmospheric Chemistry                   | 301  | 408  | 369  |
| Journal of Coastal Research                        | 125  | 125  | 125  |
| Journal of Conchology                              | 62   | 53   | 0    |
| Journal of Fluid Mechanics                         | 1080 | 1140 | 1197 |
| Journal of Foraminiferal Research                  | 80   | 80   | 0    |
| Journal of Geochemical Exploration                 | 718  | 795  | 642  |
| Journal of Geodynamics                             | 408  | 447  | 455  |
| Journal of Geological Education                    | 33   | 33   | 0    |
| Journal of Geology                                 | 63   | 63   | 0    |
| Journal of Geomagnetism and Geoelectricity         | 330  | 346  | 425  |
| Journal of Geophysical Research                    | 2555 | 2800 | 3065 |
| Journal of Glaciology                              | 195  | 191  | 205  |
| Journal of Irreproducible Results                  | 31   | 40   | 0    |
| Journal of Japanese Assoc of Petroleum Technologis | 109  | 116  | 0    |
| Journal of Marine Research                         | 60   | 80   | 90   |
| Journal of Metamorphic Geology                     | 320  | 395  | 0    |
| Journal of Micropaleontology                       | 100  | 100  | 0    |
| Journal of Molluscan Studies                       | 150  | 160  | 165  |
| Journal of Paleolimnology                          | 271  | 330  | 333  |
| Journal of Paleontology                            | 99   | 99   | 0    |
| Journal of Palynology                              | 40   | 40   | 0    |
| Journal of Petroleum Geology                       | 240  | 264  | 280  |
| Journal of Petroleum Technology                    | 30   | 45   | 0    |
| Journal of Petrology                               | 292  | 273  | 0    |
| Journal of Physics of the Earth                    | 115  | 115  | 0    |
| Journal of Sedimentary Research                    | 120  | 152  | 152  |
| Journal of South American Earth Sciences           | 224  | 266  | 255  |
| Journal of South-East Asian Earth Sciences         | 392  | 513  | 490  |
| Journal of Structural Geology                      | 432  | 618  | 640  |
| Journal of the Atmospheric Sciences                | 320  | 350  | 350  |
| Journal of the Palaeontological Society of India   | 80   | 80   | 80   |
| Journal of Volcanology and Geothermal Research     | 636  | 965  | 1155 |
| Kazan (Bulletin of the Volcanological Soc of Japan | 141  | 195  | 0    |
| Lethaia  | 140  | 142  | 128  |
| Limnology and Oceanography                         | 160  | 160  | 160  |
| Lithos   | 209  | 339  | 529  |
| Malacologia  | 35   | 45   | 45   |
| Manuscripta Geodaetica                             | 150  | 199  | 0    |
| Mapping Sciences and Remote Sensing                | 278  | 279  | 299  |
| Marine and Petroleum Geology                       | 546  | 535  | 608  |
| Marine Chemistry                                   | 657  | 855  | 867  |
| Marine Geology                                     | 984  | 1352 | 1385 |



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|---|------|------|------|
| Marine Geophysical Researches                       | 225  | 288  | 387  |
| Marine Micropaleontology                            | 334  | 434  | 450  |
| Marine Pollution Bulletin                           | 326  | 447  | 430  |
| Mathematical Geology                                | 395  | 425  | 0    |
| Meddelelser Om Groenland. Geoscience                | 92   | 29   | 0    |
| Mercian Geologist                                   | 18   | 15   | 0    |
| Meteoritics   | 110  | 150  | 0    |
| Micropaleontology                                   | 120  | 160  | 175  |
| Mineralium Deposita                                 | 242  | 419  | 387  |
| Mineralogical Abstracts                             | 250  | 235  | 0    |
| Mineralogical Journal                               | 50   | 50   | 0    |
| Mineralogical Magazine                              | 218  | 202  | 215  |
| Mineralogical Record                                | 55   | 60   | 60   |
| Mineralogy and Petrology                            | 416  | 504  | 500  |
| Modern Geology                                      | 550  | 710  | 0    |
| Molecular Phylogenetics and Evolution               | 148  | 148  | 0    |
| Morskoi Gidrofizicheskii Zhurnal                    | 71   | 79   | 0    |
| Mountain Geologist                                  | 34   | 34   | 0    |
| Natural Hazards: J of Int Soc for Prev/Mitig Hazard | 207  | 282  | 289  |
| Nature  | 350  | 428  | 395  |
| Nautilus  | 40   | 40   | 0    |
| Neues Jahrbuch fuer Geologie und Palaontologie Mon  | 486  | 547  | 0    |
| Neues Jahrbuch fuer Geologie und Palaontologie Abh  | 554  | 701  | 0    |
| Neues Jahrbuch fuer Mineralogie. Monatshefte        | 361  | 461  | 0    |
| Neues Jahrbuch fuer Mineralogie. Abhandlungen       | 499  | 274  | 0    |
| New Mexico Geology                                  | 6    | 6    | 0    |
| New Zealand Journal of Geology and Geophysics       | 190  | 190  | 220  |
| New Zealand Journal of Marine and Freshwater Resea  | 0    | 170  | 200  |
| New Zealand Nat Soc for Earthquake Eng. Bulletin    | 91   | 86   | 0    |
| New Zealand Seismological Report                    | 124  | 45   | 0    |
| Newsletters on Stratigraphy                         | 146  | 331  | 0    |
| Nordic Hydrology                                    | 103  | 109  | 109  |
| Norsk Geologisk Tidsskrift                          | 122  | 114  | 0    |
| Northeastern Geology                                | 39   | 40   | 0    |
| Northern Miner                                      | 70   | 70   | 0    |
| Nuclear Geophysics                                  | 472  | 443  | 0    |
| Oberrheinischer Geologischer Verein. Jahresbericht  | 45   | 43   | 0    |
| Oceanologica Acta                                   | 273  | 294  | 267  |
| Oceanology of the Academy of Sciences of the USSR   | 490  | 490  | 490  |
| Oceanus   | 25   | 25   | 0    |
| Oil & Gas Journal                                   | 52   | 57   | 65   |
| Ore Geology Reviews                                 | 236  | 310  | 306  |
| Oregon Geology                                      | 8    | 8    | 0    |
| Organic Geochemistry                                | 1048 | 618  | 700  |
| Origins of Life and Evolution of the Biosphere      | 182  | 222  | 228  |
| Palaeobotanist                                      | 90   | 180  | 0    |
| Palaeogeography, Palaeoclimatology, Palaeoecology   | 1251 | 1587 | 1539 |
| Palaeontographica Italica                           | 107  | 109  | 0    |
| Palaeontographica. Abt. A Palaeozoologie-Stratigra  | 1452 | 1523 | 0    |
| Palaeontographica. Abt. B Palaeophytologie          | 750  | 745  | 0    |
| Palaeontographical Society Monographs               | 78   | 67   | 0    |
| Palaeontologische Zeitschrift                       | 71   | 75   | 0    |
| Palaeontology                                       | 240  | 270  | 0    |
| Palaeoworld   | 0    | 28   | 56   |
| Palaios   | 95   | 115  | 120  |



|  |      |      |      |
|--|------|------|------|
| Paleobiology                                       | 65   | 65   | 65   |
| Paleobios  | 8    | 8    | 0    |
| Paleoceanography                                   | 180  | 195  | 215  |
| Paleontological Journal                            | 450  | 596  | 660  |
| Palynology   | 40   | 40   | 0    |
| Petroleum Geology                                  | 56   | 56   | 0    |
| Physical Geography                                 | 164  | 209  | 229  |
| Physics and Chemistry of Minerals                  | 768  | 832  | 780  |
| Physics and Chemistry of the Earth                 | 519  | 589  | 0    |
| Physics of Fluids                                  | 1130 | 1340 | 0    |
| Physics of the Earth and Planetary Interiors       | 1028 | 1274 | 1317 |
| Planetary and Space Science                        | 859  | 1416 | 1355 |
| Powder Diffraction                                 | 95   | 95   | 0    |
| Precambrian Research                               | 795  | 1038 | 1219 |
| Progress in Oceanography                           | 598  | 751  | 0    |
| Progress in Physical Geography                     | 0    | 148  | 0    |
| Przegląd Geologiczny                               | 60   | 72   | 0    |
| Publications of the U.S. Geological Survey CD-ROM  | 500  | 500  | 500  |
| Pure and Applied Geophysics                        | 1038 | 1163 | 1002 |
| Quarterly Journal of Engineering Geology           | 212  | 222  | 245  |
| Quarterly Notes (Geolog Surv of New South Wales)   | 8    | 8    | 0    |
| Quaternaire  | 69   | 77   | 0    |
| Quaternary Australasia                             | 15   | 13   | 0    |
| Quaternary International                           | 227  | 262  | 0    |
| Quaternary Research                                | 192  | 218  | 240  |
| Quaternary Science Reviews                         | 472  | 599  | 575  |
| Radiocarbon  | 105  | 115  | 0    |
| Regional Catalogue of Earthquakes                  | 92   | 94   | 90   |
| Remote Sensing of Environment                      | 598  | 796  | 0    |
| Review of Paleobotany and Palynology               | 715  | 898  | 908  |
| Reviews of Geophysics                              | 220  | 220  | 220  |
| Revista Del Instituto Mexicano Del Petroleo        | 40   | 50   | 0    |
| Revista Espanola de Micropaleontologia             | 86   | 87   | 0    |
| Revista Espanola de Paleontologia                  | 57   | 66   | 0    |
| Revue de Geomorphologie Dynamique                  | 51   | 55   | 0    |
| Revue de Micropaleontologie                        | 79   | 86   | 0    |
| Rivista Italiana di Paleontologia e Stratigrafia   | 101  | 107  | 0    |
| Rock Mechanics and Rock Engineering                | 189  | 215  | 0    |
| Sammlung Geologischer Fuhrer                       | 29   | 34   | 0    |
| Schweizerische Mineralog und Petrolog Mitteilungen | 156  | 164  | 0    |
| Science  | 195  | 205  | 0    |
| Science News                                       | 40   | 40   | 40   |
| Scientific American                                | 36   | 36   | 35   |
| Scottish Journal of Geology                        | 138  | 102  | 114  |
| Sedimentary Geology                                | 819  | 1004 | 1187 |
| Sedimentology                                      | 385  | 474  | 434  |
| Seismic Instruments                                | 0    | 300  | 165  |
| Seismological Research Letters                     | 20   | 20   | 20   |
| Seismological Society of America. Bulletin         | 125  | 125  | 135  |
| Shale Shaker                                       | 15   | 15   | 20   |
| Soc Geol Normandie et Desamis du Mus du Havre.Bull | 60   | 59   | 0    |
| Soc Geologique du Nord (Lille, France). Annales    | 73   | 75   | 0    |
| Societa Paleontologica Italiana. Bollettino        | 119  | 93   | 0    |
| Soil Science                                       | 116  | 128  | 0    |
| Soil Science Society of America. Journal           | 85   | 92   | 0    |



|   |      |      |      |
|---|------|------|------|
| Solar Geophysical Data                              | 105  | 105  | 0    |
| Solar Physics                                       | 1139 | 1538 | 1596 |
| Sonderveroeffentlichungen. Univ Koln. Geolog Inst   | 157  | 130  | 0    |
| South African Journal of Geology                    | 60   | 52   | 0    |
| Southeastern Geology                                | 12   | 19   | 20   |
| Southern California Paleontological Society. Bull   | 17   | 17   | 17   |
| Space Science Reviews                               | 768  | 950  | 941  |
| Special Papers - Palaeontological Society of Japan  | 0    | 149  | 0    |
| State Geologists Journal                            | 10   | 10   | 0    |
| Stereo-Atlas of Ostracod Shells                     | 120  | 121  | 0    |
| Studia Geophysica et Geodaetica                     | 405  | 430  | 0    |
| Surveys in Geophysics                               | 236  | 296  | 296  |
| Teaching Earth Sciences                             | 25   | 29   | 22   |
| Tectonics   | 280  | 308  | 330  |
| Tectonophysics                                      | 1982 | 2444 | 2429 |
| Terra Nova  | 295  | 338  | 314  |
| Transact and Proc of the Palaeontol Soc of Japan    | 75   | 75   | 0    |
| Transact of the Roy Soc of Edinburgh. Earth Scienc  | 133  | 133  | 0    |
| Transactions. Inst of Mining and Metallurgy (UK)    | 253  | 242  | 0    |
| Tryonia   | 65   | 15   | 0    |
| Univ Stuttgart. Inst fuer Geol und Palaeo. Arbeiten | 14   | 29   | 0    |
| Ussher Society. Proceedings                         | 65   | 53   | 0    |
| Veliger   | 56   | 60   | 0    |
| Venus. Kairuigaku Zasshi                            | 65   | 68   | 0    |
| Warta Geologi                                       | 19   | 12   | 0    |
| Water Resources Research                            | 505  | 530  | 660  |
| Water, Air, and Soil Pollution                      | 853  | 1358 | 1522 |
| Western Assoc of Map Libraries. Information Bullet  | 25   | 25   | 0    |
| X-Ray Spectrometry                                  | 525  | 625  | 0    |
| Yorkshire Geological Society. Proceedings           | 67   | 77   | 95   |
| Zeitschrift fuer Geologische Wissenschaften         | 143  | 163  | 0    |
| Zeitschrift fuer Geomorphologie                     | 134  | 141  | 0    |
| Zeitschrift fuer Gletscherkunde und Glazialgeologi  | 57   | 90   | 0    |
| Zeitschrift fuer Kristallographie                   | 847  | 982  | 1041 |
| Zentralblatt fuer Geol und Palaeo: Teil I Geologie  | 1003 | 527  | 0    |
| Zitteliana  | 67   | 108  | 0    |

## MEMBER NEWS

### Northridge Earthquake effects

**MICHAEL NOGA** reports: My neighborhood is okay, and I'm back at work. However, UCLA is still cleaning up. We are working on the Chemistry Library today and the Geology/Geophysics Library later and tomorrow. The stacks have tilted and the top two shelves of almost all the stacks were emptied by the quake. Stacks have twisted in the Physics Library. We just received clearance to go into the Engineering & Math Sciences Library. Chemical spills have slowed down access to the science libraries.

**DONA DIRLAM** reports: I did think about sending a message sooner--just couldn't get to my computer for a couple days. Framed pictures stored behind my office door came down after the door swung close. We finally got in and over, so now I'm back in my office at my machine.

Santa Monica was much harder hit than the original reports would indicate. Over 200 structures seriously damaged with more and more being condemned as each day passes. Some of the larger aftershocks have added to the problems.

GIA has 3 buildings in Santa Monica. The building housing the GIA Liddicoat Library and Information Center with the Sinkankas Rare Book Room is in the middle in terms of effects: one building had a water main break which left inventory, shipping, print shop, research, and laboratory with standing water. Fortunately, the education building with the library had no structural damage and no water damage.

I was able to get to GIA once the sun was up to see that no water was leaking out the door. Once I got in I discovered all the shelves were standing, but they were half empty. The top shelves had dumped the circulating collection of 5000 books and the journal collection into



the aisles. Amazingly, none of the card files, map cases, file cabinets, or slide files (we have 17,000 slides on view) had spilled any of their contents. None of the computers had fallen, only a lazer printer.

Our stone collection didn't do nearly as well as the library. The specimen cabinets pulled out of the walls and dumped and the huge safes fell on top. So, I guess books about crystals offer more protection than the crystals themselves.

In the rare book collection the moveable units stayed together and only the fixed wall dumped its books. We will have some rebinding, but nothing compared to what it could have been. On Tuesday, with the help of many staff members from GIA, we were able to get all the materials back on the shelves. We have been reorganizing since, and reopened to circulation on Friday, January 21st. The school actually reopened on Tuesday, after the quake.

Thanks for all your concerns--we are very grateful.

**JEAN EAGLESFIELD** is now the Head of Collection Management and Associate Professor, Wichita State University. Phone: 316/689-3591; fax: 316/689-3048; internet eaglesf@twsuvm.uc.twsu.edu.

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### GIS COMMITTEE REPORT

#### Reference Work Award

The Best Reference Work Committee is soliciting nominations for the 1994 award. All reference works published in the last 3 years are eligible. Works in all formats are eligible.

Please submit nominations to any committee member as soon as possible.

Committee Members, with internet and phone numbers:

|                       |              |
|-----------------------|--------------|
| Marie Dvorzak, Chair. |              |
| dvorzak@macc.wisc.edu | 608 262-8956 |
| Peter Brueggeman      |              |
| pbrueggeman@ucsd.edu  | 619 534-1230 |
| Carol La Russa        |              |
| cjarussa@ucdavis.edu  | 916 752-0519 |
| Lee Regan             |              |
| ---                   | 703 648-4473 |
| Margy Walsh           |              |
| walshm@texaco.com     | 713 954-6268 |

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### FORTHCOMING MEETINGS

The **Science and Technology Section** will meet at the 1994 ALA Midwinter Conference in Los Angeles, California, February 4-7, 1994.

The 60th General Conference of IFLA, the **International Federation of Library Associations and Institutions**, will be held in Havana, Cuba, August 21-27, 1994. Founded in 1927, IFLA is an international, non-governmental organization, with UNESCO "A" consultative status. It has 1284 members (library and librarian associations and libraries and related institutions, and institutional and private affiliates) in 135 countries.

The conference theme will be "Libraries and Social Development," with subtopics of: Libraries, family and society; Library policies for social and cultural development; New library technologies for social development; Library research and training for social development; Library cooperation; Library services for disadvantaged persons; Libraries and conservation of the environment

There will be both presented papers and poster sessions, and tours of local libraries, museums, and related cultural institutions.

The registration fees are:

|           | Before 1 May 1994 | After 1 May 1994 |
|-----------|-------------------|------------------|
| Delegates | US \$350.00       | US \$400.00      |
| Guests    | US \$150.00       | US \$200.00      |

Conference registrants will receive copies of all available conference papers and reports; admittance to the sessions, the Exhibits, library tours, and the August 27 excursions. The registration deadline is July 30, 1994. Later applications will be accepted while the Conference is in session.

Post-conference tourist excursions will be available, including excursions to Cayo Largo, Guama, or Trinidad.

To register or for additional information, contact IFLA

Headquarters:

POB 95312

2509 CH The Hague, Netherlands

Tel. 31(70)3140884

Telex 34402 Kbnl

Fax. 31(70)3834827

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### SEATTLE MEETING NOTES: The Geology of the Seattle Area

The geology of Washington is extremely diverse--from the Quaternary glaciation of the Puget Lowland, to the crystalline core of the North Cascades, to the flood basalts of the Columbia Basin. We have rain forests and deserts, active volcanoes and imminent earthquakes.

Here's a short list of some recent reports:

Lasmanis, Raymond, 1991, The geology of Washington: Rocks and Minerals, v. 66, no. 4, p. 262-277.

A good, brief, current overview of Washington geology,



Galster, R. W.; Laprade, W. T., 1991, Geology of Seattle, Washington, United States of America: Association of Engineering Geologists Bulletin, v. 28, no. 3, p. 235-302, 1 plate.

A detailed examination of the engineering geology of the Seattle area.

Atwater, B. F., 1987, Evidence for great Holocene earthquakes along the outer coast of Washington State: Science, v. 236, no. 4804, p. 942-944.

Heaton, T. H.; Hartzell, S. H., 1987, Earthquake hazards on the Cascadia subduction zone: Science, v. 236, no. 4798, p. 162-168.

Heaton, T. H.; Kanamori, Hiroo, 1984, Seismic potential associated with subduction in the northwestern United States: Seismological Society of America Bulletin, v. 74, no. 3, p. 933-941.

These 3 reports were among the first to report on the paleoseismic evidence of great earthquakes on the Cascadia subduction zone.

Adams, John, 1992, Paleoseismology--A search for ancient earthquakes in Puget Sound: Science, v. 258, no. 5088, p. 1592-1593.

Atwater, B. F.; Moore, A. L., 1992, A tsunami about 1000 years ago in Puget Sound, Washington: Science, v. 258, no. 5088, p. 1614-1617.

Bucknam, R. C.; Hemphill-Haley, Eileen; Leopold, E. B., 1992, Abrupt uplift within the past 1700 years at southern Puget Sound, Washington: Science, v. 258, no. 5088, p. 1611-1614.

Jacoby, G. C.; Williams, P. L.; Buckley, B. M., 1992, Tree ring correlation between prehistoric landslides and abrupt tectonic events in Seattle, Washington: Science, v. 258, no. 5088, p. 1621-1623.

Karlin, R. E.; Abella, S. E. B., 1992, Paleoequakes in the Puget Sound region recorded in sediments from Lake Washington, U.S.A.: Science, v. 258, no. 5088, p. 1617-1620.

Schuster, R. L.; Logan, R. L.; Pringle, P. T., 1992, Prehistoric rock avalanches in the Olympic Mountains, Washington: Science, v. 258, no. 5088, p. 1620-1621.

These 6 reports discuss the paleoseismic evidence for an earthquake about 1100 years ago on what is now called the Seattle fault.

### GeoInfoIV Proceedings Available

The Proceedings of the Fourth International Conference on Geoscience Information (GeoInfo IV) will be released as Geological Survey of Canada Open File 2315 and will be available in March 1994. The Proceedings were produced in two volumes and the contributions received represent more than 800 printed pages. It should also be noted that the Field Trip Guidebook is included as part of the second volume.

The Proceedings are priced at \$50 for Canadian orders and \$65 for international orders. Cheques should be made payable to the Receiver General of Canada and prepayment is required before the Proceedings volumes can be shipped. For your convenience, payment can also be made using MasterCard or VISA. Price includes all shipping and handling charges. Sales to Canadian addresses must also include GST and PST. Requests to purchase the Proceedings should be sent to:

Geological Survey of Canada Bookstore  
601 Booth Street  
Ottawa, Ontario, CANADA K1A 0E8  
Fax: (613) 943-0646  
Voice: (613) 995-4342  
Internet: gsc\_bookstore@gsc.emr.ca

All participants at GeoInfo IV will receive a complimentary copy of the Proceedings. If you have changed mailing address since the conference, please send a current address to:

David Reade  
Room 252 - 601 Booth Street  
Ottawa, Ontario, CANADA K1A 0E8  
Fax: (613) 996-8748  
Voice: (613) 992-8916  
Internet: reade@gsc.emr.ca

Address changes must reach GSC by March 1, 1994 in order to accommodate distribution in early March.



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