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## PRESIDENT'S COLUMN

GIS could not exist without the volunteer time and work our members contribute as committee members and officers. The society is the sum of the contributions of all its members. Many of our members especially those not in the United States can not attend the annual meetings where the results of committee work are tangible. Many of our committee members have been active for many years but we always need others to join in with their special talents. New members and those of you who haven't worked on GIS projects are encouraged to contact committees or officers to offer their services. No one can know what skills, interests, or experience you have unless you let us know. We need both leadership in committee projects and those good at working on the details. We need to hear from everyone their ideas and thoughts on the programs of GIS. If you don't have the time to

volunteer for a committee, we still would like to talk to you on the phone, read your messages in GeoNet-L, receive e-mail, or read submittals, however brief, to our newsletter.

Among projects for this year are developing standards and moving toward obtaining funding for the preservation of geological literature. The unique character of geological literature with oversized map plates presents special problems even with advances in technology. The Preservation Committee has made us aware of the problem and now we need to move forward.

The Ad Hoc Committee on the Union List of Geologic Field Trip Guidebooks under Richard Spohn has just published the new edition and we need to decide how to continue the project. Do we still need a union list with increased use of networks such as OCLC? What kind of detail in entries do we need? Is it time for an electronic product?

As a result of the report of the Ad Hoc Committee on GIS Publications, Connie Manson is chairing a group to produce information sheets for earth science for each state as a fund raiser for GIS. Will this indeed be a good source of income? To be effective, we need volunteers across the country to quickly produce one for each state like the prototype.

The committees on Guidebook Standards, Best Paper Award and Mary B. Ansari Best Reference Work Award need suggestions of works to review. Excellent examples in any of these categories should be brought to the attention of the appropriate committee. The more works to consider the better.

Our homepage is the work of Vivienne Roumani-Denn. Look at it and suggest improvements or new information and links to include. We would like our homepage to be listed on everyone's list of good Internet sources.

Vivienne is also chair of the Digital Data Committee so let her know of new products for the earth sciences that you have used. We all read about new digital databases and software, but information from a current user who uses the product and can give an honest appraisal and

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

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

Material for the April, 1996 issue of the GIS Newsletter should be received no later than March 20, 1996. If possible please send materials by e-mail or on IBM-compatible disk (Wordstar 3.3, Wordperfect 5.1, or ASCII format).

## VICE PRESIDENT'S COLUMN

perhaps a comparison with similar products is the best information source-- not the superlative-laden descriptions of vendors.

We need new chairs with special talents: Publicity, for anyone with experience in submitting information to the publications of other societies, and advisor/advisors to the Treasurer on the best way to invest our small funds and to be current with IRS reporting requirements for non-profit organizations.

We are an international not a national society and we need to support the suggestion of the Committee on International Issues and need new ideas for including the international geoscience community.

We also would like someone to chair the Professional Issues committee for the workshop at the annual meeting.

As Steve Hiller has expanded the coverage of the Collection Development Workshop beyond the original meetings on journal costs and cancellations, this workshop is open to new innovations in format and coverage.

The list can go on and on. Education Initiatives, GeoRef Users, Membership, all welcome new ideas and enthusiastic members. There is plenty of work to go around. Look over the committee list and consider volunteering to join one of the committees. If not, communicate and hear from others through the listserver GeoNet-L monitored by Lois Heiser. Pass on your comments by e-mail to other members, committee members or officers. Write a letter or brief item for the newsletter. Other GIS members need to hear from you.

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### Call for Nominations

The GIS nominating Committee is starting to work to create a slate of candidates for this year's election. We will be electing a Vice-President/President-Elect, and a Secretary. Suggestions for the Committee's consideration are solicited. Committee members are: Barbara Haner (Chair), Lois Pausch, and Janice Sorenson. Please contact any member with your suggestions. The deadline is February 28th. We urge you to use email, phone or fax to expedite your response.

Thank you.

Barbara Haner, Chair, 1996 Nominating Committee  
Phone: 310-825-1055, Fax: 310-825-6485,  
email: ecz5beh@mvs.oac.ucla.edu

### Denver Meeting Highlights

If you have considered attending a Geoscience Information Society meeting, but have not yet fit one into your schedule, don't miss this year's meeting in Denver, 10/27-10/31. Thanks to the Local Planning Committee, chaired by Joni Lerud, GIS members will be treated to some special events. The Arthur Lakes Library at the Colorado School of Mines will be hosting a reception on Wednesday evening, 10/30, to give everyone a chance to see the facility, debrief and relax after 4 days of meetings. Field trips are also a great way to have fun and informally network with your colleagues. A GIS field trip is being planned for Thursday morning, 10/31, followed by lunch in a restaurant favored by some of our local GIS members. The exact location for the field trip has not been determined, but Dinosaur Ridge or the Colorado School of Mines Experimental Mine are among the sites under consideration. Look for more details and a field trip registration form in the April GIS Newsletter. Advance registration will be necessary, as the field trip requires transportation arrangements that have to be paid for ahead of time. So when making your Denver plans, include a Wednesday night stay at least! Members of the Local Planning Committee are: Joanne Lerud (Joni), Chair, Glenn Cook, Lisa Dunn, and Suzanne Larsen

### Symposium

I am currently contacting potential speakers for the GIS Symposium, "Expanding Boundaries: Geoscience Information for Earth System Science". It looks like we will have a good mix of people from GIS, AGI and the wider community of geoscience educators and researchers speaking at the Symposium. I am still interested in ideas for topics and speakers at the Symposium.

### Meeting Schedules and Deadlines

The first draft of the 1996 meeting schedule has been submitted to GSA. All the committee meetings and events of which I was aware have been included. However, I would like to hear from committee chairs and anyone else planning a meeting or forum, so I can include these where necessary in the next version of the schedule, if I receive them by March 20. If you want your event highlighted in the June GSA Today, you must submit that information to me by March 20. You will find preliminary GSA annual meeting information in the April issue of GSA Today. All abstracts must be submitted by July 9, so it's not too early to start drafting your abstract. I will be happy to consult on topics and abstracts for the Technical Papers Session or the Posters Session.

### Professional Issues Forum

Although the Professional Issues Forum is on the draft meeting schedule, there is no one responsible for that session at this point, and there are different opinions as to the value of this session. If you have attended a Professional Issues Forum, was it valuable to you? If you haven't, would you like to see it on the schedule? Please let me know, by phone or e-mail. If I get comments, I'll summarize for the next newsletter. If the session is going to be on the final schedule, I need one or two people who are willing to serve as facilitators, so please let me know soon if you are interested in doing that. The facilitator would suggest topics, start the discussion, and help guide the progress of the discussion.

I look forward to hearing about your ideas for making the Denver meeting valuable to you.

### GEOSCIENCE INFORMATION SOCIETY Committee Chairs and Responsibilities: Jan. 1996

#### Annual Program Committee

Chair: Barbara DeFelice

Purpose: Assist Vice President in planning and organizing the annual meeting

#### Archives

Chair: Mary Krick

Purpose: Responsible for archiving and preserving GIS records

#### Best Reference Work:

Chair: Marie Dvorzak

Purpose: Determine winner of the Mary B. Ansari Best Reference Work Award; present award at annual meeting

#### Best Paper Award

Chair: Marie Dvorzak

Purpose: Determine winner for best paper in geoscience information; present award at annual meeting

#### Collection Development Issues

Chair: Steve Hiller

Purpose: Collect data and information on geoscience literature costs, cooperative development, use, and trends in publishing and collection policies. Sponsor workshop at annual meeting

#### Digital Data

Chair: Vivienne Roumani-Denn

Purpose: Monitor and evaluate new digital products, standards, and technology. Sponsors workshop at annual meeting.

#### Educational Initiatives

Chair: Regina Brown/Mary Scott

Purpose: Develop programs for education services; serves as liaison for education programs

#### Exhibits

Chair: April Love

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

#### GeoNet-L Advisory Board

Chair: Linda Zellmer

Purpose: Advise GeoNet-L monitor GeoRef Users'

#### Group Steering Committee

Chair: Suzanne Larsen

Purpose: Advise AGI's GeoRef staff on problems and enhancements, advise vendors on online implementation, share searching techniques, educate new and advanced searchers

#### Guidebook Standards

Chair: Lisa Dunn

Purpose: Revise and distribute guidelines; determine winner of annual best guidebook award; present award at annual meeting

#### International Issues

Chair: Claren Kidd

Purpose: Investigate, report on and recommend international activities for GIS

#### Membership

Chair: Nan Butkovich

Purpose: Review and revise brochure, solicit new members, encourages renewals and advises on activities to increase membership

#### Newsletter Advisory Board

Chair: Deborah Grealy

Purpose: Reviews manuscripts submitted to Newsletter; reviews books for Newsletter

#### Nominating

Chair: Barbara Haner

Purpose: Nominate candidates for elective office; conduct balloting and reports results. Past President is ex-officio member.

#### Preservation

Purpose: recommend GIS's role in preservation activities, distribute preservation information and inform membership of preservation programs related to earth sciences

#### Professional Issues

Purpose: Gather information on career development, organizational policies, and other issues facing earth science professionals

#### Publicity

Purpose: Prepare news items and announcements for submittal to outside publications; Develop programs to publicize GIS activities

#### Ad Hoc Committee on the Directory of Geoscience

Libraries Chair: Connie Manson

Purpose: Compile and publish new directory

**Geoscience Information Society  
1995 Annual Meeting reports:**

**Annual Business Meeting**

November 6, 1995 New Orleans, LA  
Draft Minutes

The meeting was called to order by President Barbara Haner at 8:35 AM. The minutes of the 1994 business meeting were approved. Introductions of all present followed.

**OLD BUSINESS**

Updates to Officer's Reports Published in Newsletter:

President B. Haner described the informal meeting held Saturday, Nov. 4 to develop policy manuals for GIS officers and committee chairs as required by the GIS bylaws. She has begun to put together job descriptions. She asked committee chairs to look at their job descriptions to see if they are current.

Vice President Nancy Blair made comments on the planning of this year's annual meeting.

Secretary Carol La Russa gave an expanded report on GIS Membership statistics. The number of members has varied considerably, ranging from 249 in 1988, a high of 280 in 1991 to 239 in 1995. The number of non-U.S./non-Canadian members is up.

Treasurer Margy Walsh issued an updated financial report. She asked that reimbursement requests be sent to her by November 15 for reimbursement in the 1995 fiscal year. She next discussed the Society budget cycle. Because the GIS bylaws require that an annual budget be in place by January 1, in 1996 budget requests will be due by September 15, so they can be compiled and approved at the October 1996 meeting. She then stated that the 1994 audit is almost complete. Auditor Dennis Trombatore is concerned that there was not enough documentation for the GEOINFO V attendees and that the Mary Ansari Best Reference Book fund is not generating enough income to fund the award on a continuing basis.

Publications Manager Lois Heiser reported on the latest sales of GIS publications. She has declared the Directory of Geoscience Libraries out-of-print.

Book Review Editor Linda Musser asked for comments about the book review section of the newsletter.

Newsletter Editor Connie Manson announced that the twentieth of the preceding month will continue to be the deadline for the newsletter.

**LIAISONS' REPORTS**

AGI Educational Action Liaison Regina Brown described AGI educational activities, including AGI's

successful proposal entitled "Career Pathways in Geoscience." B. Haner asked if there is any way the Society could contribute to the project. R. Brown volunteered the Society to help the management group assemble information for the project. AGI Member Council Joanne Lerud was not present because she was representing GIS at the AGI Member Council Meeting.

AGI Government Affairs Program Liaison Marie Zvorzak described the actives of GAP. She proposed that GIS suggest that GAP choose the future of USGS publications as one of its focuses. She also mentioned the GIS monetary contribution to GAP.

ALA MAGERT Liaison Nancy Butkovich discussed MAGERT activities at meetings in Philadelphia and Chicago. She mentioned ALA's proposed reorganization, new MAGERT publications, and the suspension of the Meridian with the resignation of editor Charley Seavey.

CUAC Representative Richard Spohn announced that CUAC met and that a report will be published.

Western Association of Map Libraries Representative R. Spohn described WAML activities. WAML's next meetings will in spring 1996 in Arcata, California and in fall 1996 in Seattle.

**COMMITTEE REPORTS**

Archives Committee: Chair Mary Krick announced that the committee now has photo albums available for archiving photo contributions. She asked that contributors please mark the photos with identifying information.

GIS-Mary Ansari Best Reference Work Award Committee: Chair M. Dvorzak announced that this years award will be given to *Volcanoes of the World* published by Geoscience Press.

Digital Data Committee: Chair Barbara De Felice made the following corrections to the published annual report: D. Grimes was also at the 1994 Digital Data Forum. She commented on the need for additional computing support for Forum so the Society can attract a wider range of product producers.

Exhibits Committee Report: Jim O'Donnell reported for Chair Dona Dirlam. He discussed the non-arrival of the GIS Exhibit boxes due to shipping problems.

GeoRef Advisory Committee: Chair Suzanne Larsen announced that the Users' Group was meeting that afternoon at 4:15 and that Sharon Tahirkheli from AGI would speak.

Guidebook Standards Committee: Chair Lisa Dunn announced that the Committee is accepting nominations for the GIS Best Guidebook Award.

International Issues Committee: Chair Claren Kidd stated that the committee had met and made the following

ideas: 1) The names of prospective international members should be sent to the Membership Committee, 2) The Society should try to include more international contributions in the newsletter and 3) E-Mail and the WWW homepage should be used to improve communications with international members.

Ad Hoc Committee on the Directory of Geoscience Libraries, 5th Edition: Co-Chair Connie Manson announced that the new edition is coming together despite some difficulties in getting responses to the questionnaire. It should go to press in January or February.

Ad Hoc Committee to Evaluate Publications: Lois Pausch stated that the committee had met and that they were making the following recommendations: 1) The GIS Newsletter should remain a print publication, but the Society should produce an e-mail version, 2) Brief abstracts of articles in the Newsletter should be put on the GIS Website, 3) The GIS Proceedings Volume should remain a benefit of membership and should remain a printed document, 4) Because the Proceedings are not really refereed a directory of refereed places to publish should be developed, and, 5) Research articles should be published in the Newsletter with the Editorial Board acting as referees. AGI has suggested that the Union List of Guidebooks be put on the Web for a subscription fee.

Ad Hoc Committee on the Union List of Geologic Field Trip Guidebooks, 6th Edition: Co-Chair R. Spohn reported the 6th edition is finished and that it features better indexing.

Ad Hoc Committee on Web Server: Chair Vivienne Roumani-Denn asked for input from members on the GIS Web Server and urges members to take a look at it.

Pacific Section: C. Manson announced that the Pacific Section would meet Wednesday after the CALGEO serials meeting.

Canadian Section: B. Chen described events at the Canadian Geoscience Information Center. Good news includes a new online union catalog and a Web Homepage. Bad news relating to budget cuts continues. GEOSCAN will be a federal database only; provincial surveys will have to develop their own systems. They are implementing user fees for external clients. Several Canadian departments are being merged. The Center has cut the numbers of exchange agreements in half.

Membership Committee: Chair Nancy Butkovich reported on her committee's survey of non-renewing members. Nobody said he or she did not renew due to the dues increase of 1994. They mentioned changes of interest and high cost of attending annual meetings. She recommended that the survey be done annually.

Collection Development Committee: Steve Hiller announced that Collection Development meeting would be

on Wednesday at 9:00 AM and would include a discussion of electronic journals.

#### MORE OLD BUSINESS

B. Haner announced that she has received the draft of the GEOINFO V conference proceedings from J. Hruska. She is concerned because several papers that were given at the conference were not included in the proceedings. The Society provided \$1300 to publish the proceedings and will distribute the proceedings in the U.S. She also announced that nothing seems to be happening with planning for GEOINFO VI.

B. Haner stated that this year to save money only the second of the GSA Today conference issues was sent to GIS members. She asked if that was adequate. The membership agreed the April conference announcement issue was not essential.

#### NEW BUSINESS

B. Haner brought up the issue of whether the Ad Hoc Committee on Web Server should be a full standing committee. S. Larsen moved that the Ad Hoc Committee on Web Server be established as a GIS standing committee. The motion was seconded. Discussion followed concerning the need for a working committee vs. the current advisory-type committee. Concerns were expressed that the technology is changing too fast for a permanent committee and that there is no need for a standing committee since an ad hoc committee can last as long as there is a job to be done. B. Haner called for a vote on whether a standing committee to be called the GIS Web Committee should be established. The motion passed.

B. Haner raised the issue of planning for the preservation of geologic information. She stated that Susan Klimley was giving a presentation on the topic to the AGI Member Council meeting which was happening at the same time as this GIS meeting. Therefore C. Wick was delegated to present S. Klimley's proposal to the GIS membership. C. Wick described Klimley's ideas on preserving geologic materials using digitization techniques. She said Klimley would be giving a paper tomorrow on the topic. Wick also described Klimley's Web page where she has placed images of New York State Museum Bulletins. Wick and Klimley proposed developing a plan for digital preservation of earth science materials that would be a part of the national preservation program. They envision the plan as being modeled after the national plan developed for the preservation of agricultural literature. They see no reason to wait on this issue. The GIS Executive Board at their Sunday meeting decided that GIS should be supportive of this plan; there are no other groups who would take responsibility for this activity. This could be a

## Executive Board Meeting

November 8, 1995, New Orleans, LA  
Summary Draft Minutes

high visibility issue for GIS. Other groups might want to get involved if GIS took on a leadership role. C. Wick asked if the membership support this. Discussion followed concerning the issue. J. O'Donnell stated that preservation was part of the mission of GIS as stated in the bylaws. We might want to support it with seed money for travel. Others agreed that this was an important and appropriate issue for the Society. There is a need for a plan to take to outside agencies for funding. The following motion was made: Given that preservation of geologic materials is a vital purpose for the Society, that GIS support the efforts of the Preservation Committee to lead in the creation of a national initiative on preservation of paper and printed geologic materials. Discussion followed concerning the desirability of including preservation of digital materials. The motion was revised to say: Given that preservation of geologic materials is a vital purpose for the Society, that GIS support the efforts of the Preservation Committee to lead in the creation of a national initiative on preservation of the records of geologic research. The revised motion was moved and seconded. It passed unanimously.

Marie Dvorzak moved that GIS raise its voluntary contribution to the AGI Government Affairs Program (GAP) from \$.25 to \$.50 per stipulated member (the number of U.S. members minus retired and student members). The Society pays a required \$.75 per stipulated member. Discussion followed. There were concerns that the amount proposed was not a significant amount if the Society is serious in its support of GAP. J. O'Donnell offered a friendly amendment to raise the voluntary part of the contribution to \$1.25 per member for a total cost of \$2.00 per stipulated member. Total cost would be about \$350. The amendment was moved and seconded. It passed unanimously.

M. Walsh moved the GIS set up an ad hoc committee on investments. J. O'Donnell moved that the Executive Board look into investment possibilities for GIS moneys. The motion was seconded and was passed by the membership.

C. Manson raised the following issues: 1) Plans to discontinue USGS Professional Paper and Bulletin series 2) Coordination among societies of the AGI Educational Initiative and 3) The need for the Society to put more energy into its international initiative. N. Blair stated that there will be a message on Geonet-L requesting comments on USGS publications and the restructuring of the USGS library system. B. Haner stated that she has written an article for Geotimes concerning the USGS but unfortunately it will be published after the deadline in November for comments. She agreed to post the letter on Geonet-L.

The meeting was adjourned at 11:45.

Respectfully submitted, Carol La Russa, GIS Secretary

Attending: Nancy Blair, Barbara De Felice, Barbara Haner, Carol La Russa, Connie Manson, Sally Scott, Margie Walsh.

President Nancy Blair called the meeting to order at 2:15.

1995 GSA/GIS Meeting in New Orleans: The Board discussed and evaluated the meetings and activities that had just concluded.

1996 GSA/GIS Meeting in Denver: The Board discussed scheduling, programming and local arrangements for the 1996 meeting. Joanne Lerud wants to hold an evening reception at the Colorado School of Mines in Golden. A field trip is planned; information for it needs to be available by April. Twenty-five attendees are needed to run the field trip.

The theme of next year's conference is Earth Systems Summit. The GIS theme will be something like "Changing Boundaries of Geoscience Information: Resources for Earth Systems Science." B. De Felice hopes to attract papers on such topics as: What is the librarian's role in a changing environment (including political, user, and expectation changes).

Connie Manson announced deadlines for the Newsletter as follows: December: Nov. 24; February: January 27; April: March 23; June: May 25; August: TBA; October: September 21.

N. Blair tentatively scheduled the next Board conference call for Thursday January 11 at 8:00 AM Pacific time. Dates for conferences calls in April and August will be set at a later date.

Appointment of Chairs: The Board discussed possible appointees for vacant chairs.

GEOINFO V Proceedings: B. Haner said GIS has the responsibility to distribute it in the U.S. Two-hundred fifty copies will be printed; 100 for Europe and 150 for GIS to distribute to attendees for North America and Australia with the remainder being ours to sell. The Board discussed various proposals for GEOINFO VI. The Board agreed that there is no strong commitment from GIS to pursue GEOINFO VI. The decided that Claren Kidd may pursue it as chair of the International Issues Committee.

A discussion followed concerning the International Issues Committee's suggestions of ways to make it easier for non-U.S. members to pay their dues. The suggestions were: accept payment by credit cards, accept non-U.S. checks and allow payment by groups of individual members. Unfortunately the Treasurer has already investigated the first two suggestions and found them to be too expen-

sive to pursue. The third suggestion can be accomplished without any action by the Board. Any members who wish to pay as a group already may do so.

Proposed Ad Hoc Committee to Investigate Investments: M. Walsh talked to people at the GSA Foundation who suggested that GIS could do better with no-load mutual funds. We would need to have several people participate in the decision-making to spread the responsibility. M. Walsh is willing to work on this but needs help and expertise. The Board discussed some possible candidates.

GIS Exhibit: The boxes were not delivered to this year's conference site because the boxes (but not the contents) were damaged in transit. The boxes will be sent to Joanne Lerud for storage until the Denver GSA meeting in 1996. April Love will be taking over the chairship of the Exhibits Committee.

AGI Representation: B. Haner will be the GIS representative to the Members Societies Council. A discussion followed on the need to be sure GIS is represented at committee meetings. If our AGI representative cannot attend a meeting, he or she should contact a knowledgeable GIS member in the geographic area of the meeting and have him or her attend.

Union List of Guidebooks: The 6th edition is almost ready for publication. The Board discussed whether we want to sponsor the 7th edition. Issues brought up included: utility, need for holdings and the possibility of going on-line. The Board decided to include a questionnaire sheet with each volume sold. N. Blair will develop the questionnaire and arrange for its insertion. Questionnaires will also be available on Geonet-L; the GIS Web page, and in the GIS Newsletter. Questionnaires will be returned to Carol La Russa.

Membership Committee: The Committee is developing a new membership brochure. The Board reappointed Nan Butkovich to the chairship.

Publications Committee: C. Manson reported on new proposed policies as follows:

- 1) Each GIS Newsletter will include time lines and deadlines for GIS activities.
- 2) There will be a box on page 1 with a renewal reminder in the April issue.
- 3) There will be a box with committee deadlines.
- 4) Revised charges of committees will be published in the Newsletter.
- 5) The Newsletter will be made available by e-mail as an additional membership benefit. (All members will still receive a copy by mail)
- 6) Highlights from the Newsletter will be posted to the GIS Website.
- 7) There will be an announcement in the Newsletter that

papers are being accepted for a refereed section of the Newsletter.

The Board agreed to these proposals.

C. Manson stated that she wants to produce state finding guides describing where people can get basic geological information. She would like to develop a template and would especially like to involve GIS members who are unable to attend meetings in the project. The Board was supportive of this idea.

M. Walsh commented on the need for more international information in the Newsletter.

The meeting was adjourned at 6:00 p.m.

Respectfully submitted,

Carol La Russa, GIS Secretary

#### Minutes: GeoRef Users' Group

GIS Annual Meeting

November 6, 1995, New Orleans, LA

The GeoRef Users' Group met November 6, 1995 with Suzanne Larsen presiding. She presented several issues to the membership for discussion. These included:

1. Reviewing and clarifying the committee charge with the intention of producing a handbook which could be passed along to future chairs.

2. The advisability of modifying the committee charge include addressing technological issues of using GeoRef, such as downloading records into bibliographic managers. It seems that much of the present demand falls within these domains.

3. The possibility of using a column in the GIS newsletter as a vehicle for communication and information on GeoRef issues. The Chair of the User Group would be the facilitator to such a column in the beginning.

Following this discussion, the session was addressed by Sharon Tahirkheli of the American Geological Institute. She proceeded to give the membership the following updates on the GeoRef database:

> Groundwater and Soil Contamination Database (GSC) a new database containing more than 45,000 bibliographic references to scientific literature published since 1978 will be available early in 1996. This CD-ROM database will be distributed by SilverPlatter. The annual subscription will include quarterly updates and the cost for single stand-alone workstation will be \$495 in the US and Canada and \$545 elsewhere; 30-day trial subscription is available. All the records from this database will be included in GeoRef with the exception of the NTIS records. These will be added to GeoRef next year.

> Sharon outlined a significant number of enhancements to GeoRef. By mid-November, a completely



revised version of the GeoRef database is expected to be ready to forward to SilverPlatter for re-mastering. Changes include converting the pre-1975 data fields to the current fields for consistency and reducing the number of fields from 64 to 53. This conversion will have documentation which will fully describe these changes. Corrections received from users have been incorporated into the database along with computer checks on data in specific fields. This has resulted in the removal of duplicate references; the standardization of serial titles by using ISSNs and the introduction of an electronic Serial File for use with GeoRef. This file will include present title, former titles, alternate titles and any other relationships between serials cited in GeoRef. All references now have index terms as a result of adding indexing to about 7,000 older references lacking them and then autoposting broader terms throughout the file based on the current "GeoRef Thesaurus", 7th, 1994 edition. A language field was added to over 500,000 pre-1975 references, so language is now included in all GeoRef references. Publishers are now included for serials. The 30 subject categories currently in use for GeoRef have been assigned to all earlier references which also involved renumbering categories from 1967-1974 and assigning categories to pre-1967 references. A new update field giving the year a reference was added to GeoRef (pre-1994 data). For data added in 1994 and afterwards, this field gives both the year and update number; since 1994, GeoRef has been updated twice monthly.

Sharon responded to questions following her presentation. The group as a whole commended AGI on all the advances and improvements they have recently been able to make to the database. In fact, the only issue mentioned for consideration as an improvement to the database was the inclusion of pre-1933 foreign material.

Minutes submitted by John Hunter, reviewed by Suzanne Larsen.

### TREASURER'S REPORT

The Executive Board approved the 1996 budget during the January 10, 1996 teleconference.

Committee chairs, officers and appointees were asked to submit budgets to outgoing President Barbara Haner and to me by the annual meeting. When new chairs were not in place, outgoing chairs were asked to offer budgets on their behalf. I also solicited budget projections from committee chairs at the New Orleans meeting, and then estimated the figures for the remaining committees and activities myself.

As you will see, this year's approved budget shows a deficit of \$3,885. The Executive Board feels that this is

a responsible budget for several reasons.

First, the 1995 operating budget projected a deficit of \$1235, yet we finished the year with a surplus of approximately \$3800. Our experience over the last two years has shown our actual expenses to be less than what we anticipated, primarily as the result of officers, committees and appointees not using the budget funds they had requested. In addition, our income has exceeded our expenditures over the last two years, so that we can safely absorb even a \$3,885 deficit.

Also, Connie Manson's Ad Hoc Committee on the Directory of Geoscience Libraries will be complete the 5th edition during this year, so we expect printing expenses to exceed revenues for this first year.

We should continue to scrutinize our expenditures to ensure they support our central mission of providing education and support to our members.

### APPROVED 1996 OPERATING BUDGET

GROUP	INCOME	EXPENSES
=====	=====	=====
Executive Board		2,155
Meetings		4,200
Dues	10,255	
Publications	4,250	9,750
Representatives/ Appointees		650
Committees		1,585
AGI Society Dues		725
Gifts	150	
Bank Charges		25
Interest	550	
TOTAL	\$15,205	\$19,090

Finally, this is one of my last official tasks as the Society's Treasurer, so I'd like to take this opportunity to offer my sincere thanks to the last several Executive Boards, to past and present committee chairs and representatives and all members of the Society for their cooperation and support over the last two years.

Respectfully submitted,  
Margy Walsh, GIS Treasurer, 1994-1995

### AUDITOR'S REPORT

From: Dennis Trombatore, GIS Auditor  
To: Margy Walsh, GIS Treasurer

I have examined the financial report and all the documenting materials sent to me by you as Treasurer,

covering the fiscal transactions of the Geoscience Information Society for 1994. I find the figures presented are, to the best of my ability, true and accurate statements of the Society's financial dealings.

I would like to make note of a few things, however, primarily as procedural notes:

\* I find the matter of the GEOINFO funds to be troublesome and awkward, as it seems others have also. The sooner the entire matter can be worked off the books the better.

\* Specifically, I am concerned that no documentation was requested from the recipients of the travel vouchers to insure that the monies were appropriately dispersed. At the least, I believe we should have requested copies of the on-site registration materials as proof that the money was not simply handed out.

\* Lastly, are we required to send out 1099 IRS forms to these individuals? If we are officially not-for-profit, I am under the impression that we must declare these cash contributions to individuals to the IRS and the recipients must declare it as income. I am not qualified to say, but perhaps a ruling should be sought, if for no other purpose to protect our non-profit status.

I apologize for the long delay in responding to the materials which I received from you in October. This is the first chance I have had to sit down and hammer out the memo, though I completed the review of the materials immediately prior to the GSA meeting. If I am to do this again next year, I will make a concerted effort to make the earlier deadline.

Sincerely,  
Dennis Trombatore

#### News from the USGS Libraries

reported by  
Nancy Blair  
USGS Menlo Park

The USGS libraries were closed during the three week furlough and then the Reston, Virginia library was closed for four days of the very next week due to the weather. The library in Menlo Park, California, is moving to quarters in a new building on the same grounds during February and March. The Denver and Reston libraries are integrating large sections of materials from the U.S. Bureau of Mines libraries which have been closed and their collections divided. Some activities and some employees of the Bureau of Mines and the entire programs and staff of the National Biological Survey have been transferred to the USGS.

#### GeoRef News and Information by Suzanne Larsen

This is a new column that will hopefully become a regular feature of the GIS Newsletter. As chair of the GeoRef Users' Group I will act as moderator and information gatherer. This is the place to ask questions (and hopefully find answers) concerning any aspect of GeoRef on any platform (CD-ROM, FirstSearch, Dialog, etc.). Please send questions/suggestions to me: Suzanne Larsen, Earth Sciences Library, University of Colorado, Boulder, CO, 80309; e-mail: Suzanne.Larsen@colorado.edu; or call: 303-492-6133.

The following are questions I have received recently:

Q: When will we receive the re-master of GeoRef from SilverPlatter?

A: Hopefully soon. On Friday, January 26, Sharon Tahir-kheli said that the AGI folks had just returned a second test file of the re-mastered database to SilverPlatter with corrections. While she could not say exactly when the database would be released to us, she felt that SilverPlatter was working to get it out as soon as possible.

Q: How many records can you print out from GeoRef on OCLC's FirstSearch at one time? A: You can only print out 5 records at a time. At the print command, specify the range of records you want, ie 1-5 or 1,5,9- 11, etc. It still requires that you continue to hit the ENTER key each time the screen stops but the string of records is continuous. I prefer to send the records to my e-mail account and either print them from that or download in to my word-processing program. The limit in e-mail is still only five at a time.

#### GIS Newsletter Changes

GIS members can now receive the Newsletter by both e-mail and paper. To get the electronic version, contact the editor at [cjmanson@u.washington.edu](mailto:cjmanson@u.washington.edu) or [cmgg490@wadnr.gov](mailto:cmgg490@wadnr.gov).

We are also planning to publish refereed papers in the Newsletter. For more information, contact the chair of the Newsletter Advisory Board or the Newsletter editor.

## GEOSCIENCE SERIAL PRICES

compiled by

Michael M. Noga

Collection Development Issues Committee

The following list is a continuation of the list published in the December 1995 issue. Additional serial prices will probably be available for the next GIS Newsletter.

Prices may be different depending on the subscription source and the time the subscription was entered. Serials are included in this list if they fit two criteria: 1) The subject fits broadly into the geosciences; and 2) There is sufficient price information.

TITLE	PRICE (\$)			
	1993	1994	1995	1996
AAPG Bulletin.....	135	135	135	140
Alcheringa.....	67	67	76	82
American Mineralogist.....	225	250	270	295
American Scientist.....	45	45	45	50
Annales de Paleontologie.....	310	318	377	379
Antarctic Journal of the United States.....	13	24	24	24
Archaeometry.....	59	70	80	90
Arctic.....	85	85	85	85
Arctic and Alpine Research.....	70	75	75	80
Basin Research.....	209	190	208	269
Bulletin of Canadian Petroleum Geology..	59	59	59	60
Canadian Mineralogist.....	195	250	280	295
Chemie der Erde.....	138	163	166	214
Chikyu Kagaku (Earth Science).....	109	132	134	152
Clays and Clay Minerals.....	135	140	145	165
Cretaceous Research.....	330	383	465	449
Deep Sea Research.....	1644	1565	1759	2099
Earth-Science Reviews.....	430	439	454	579
Earth Sciences History.....	30	50	50	50
Earth Surface Processes and Landforms....	565	635	725	950
Eclogae Geologicae Helvetiae.....	379	374	373	467
Engineering Geology.....	608	650	696	592
Environmental Geology.....	337	344	359	404
Eos.....	205	225	230	295
Estuarine Coastal and Shelf Science.....	534	482	625	734
Evolution.....	160	160	160	160
Exploration Geophysics.....	110	110	125	121
Ganko (J. Jap. AssocMin Pet& Econ Geo)	138	203	205	221
Geo-Marine Letters.....	202	202	235	318
Geoarchaeology.....	225	260	294	342
Geobios.....	164	151	179	195
Geochemical Journal.....	160	180	190	190
Geochemistry International.....	1150	1296	1488	1764
Geochimica et Cosmochimica Acta.....	775	895	1000	1150
Geoderma.....	783	1003	1172	1482
Geodinamica Acta.....	224	223	268	250
Geoforum.....	398	410	440	519
Geological Curator.....	19	18	19	23

Geological Journal.....	265	295	345	395
Geological Magazine.....	249	263	282	298
Geological Society of America Bulletin...	185	185	205	205
Geological Society of Amer Abst w Prog	73	80	73	89
Geological Society of India. Journal.....	100	100	100	125
Geological Society of London. Journal.....	441	524	524	571
Geologische Rundschau.....	337	317	331	398
Geologists' Association Proceedings.....	129	134	140	149
Geology.....	150	150	170	170
Geology Today.....	195	172	190	217
Geomicrobiology Journal.....	132	145	165	180
Geomorphology.....	423	594	610	814
Geophysical Journal International.....	970	872	972	1037
Geophysical Prospecting.....	362	369	406	464
Geophysical Research Letters.....	498	590	590	780
Geophysics.....	265	265	250	250
Geoscientist.....	67	70	70	76
Geostandards Newsletter.....	75	86	105	115
Geotectonics.....	395	395	395	395
Geothermics.....	409	425	500	573
Geotimes.....	35	35	37	38
Global Biogeochemical Cycles.....	148	185	185	270
International J Rock Mech & Geomach	1197	845	976	1249
International Journal of Coal Geology.....	617	466	521	695
Journal of African Earth Sci(& Mid East)	595	675	723	875
Journal of Applied Geophysics.....	212	417	447	585
Journal of Atmospheric and Terr Physics...	1279	1245	1319	1654
Journal of Atmospheric Chemistry.....	408	369	498	589
Journal of Coastal Research.....	125	125	125	135
Journal of Foraminiferal Research.....	80	80	80	80
Journal of Geochemical Exploration.....	701	633	742	988
Journal of Geodesy.....	332	357	409	456
Journal of Geodynamics.....	447	455	485	629
Journal of Geological Education.....	33	33	33	33
Journal of Geophysical Research.....	2800	3065	3510	3970
Journal of Glaciology.....	191	205	219	232
Journal of Paleontology.....	99	99	99	99
Journal of Physics of the Earth.....	115	143	143	143
Journal of Sedimentary Research.....	152	152	152	166
Kazan (Bull of the Volcan. Soc of Japan)	195	243	245	264
Leading Edge.....	70	70	70	70
Limnology and Oceanography.....	160	160	175	175
Meteoritics and Planetary Science.....	150	210	220	230
Mineralogical Record.....	60	60	60	65
Mountain Geologist.....	34	34	34	34
Nature.....	428	425	425	495
Palaeontology.....	270	280	280	365
Palaios.....	115	120	128	147
Paleobiology.....	65	65	65	65
Pure and Applied Geophysics.....	1163	1296	1536	1737
Radiocarbon.....	115	115	125	125
Regional Catalogue of Earthquakes.....	83	91	109	123

Russian Geology and Geophysics.....	875	920	980	1065
Science.....	205	215	228	250
Seismological Research Letters.....	20	20	85	85
Seismological Society of America. Bull	125	135	135	260
Shale Shaker.....	15	25	25	25
Southern California Paleont. Soc. Bull	17	17	17	17
Teaching Earth Sciences.....	29	26	27	24
Terra Nova.....	338	314	358	409
Trans Royal Soc Edinburgh. Earth Sci	133	124	133	131
Veliger.....	60	60	72	82
Venus. Kairuigaku Zasshi.....	68	83	129	138

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### News from Botswana

by  
Dena Hanson

Botswana is a country mostly covered with Kalahari sands. It is also fairly blessed economically because it has diamonds. The Botswana Geological Survey has a library, which does receive selected USGS publications on exchange. A geologist tells me that they are planning a new information center, but at this time the main library collection is housed in space the size of our living room and dining room combined. There are about six ranges of books, about the same for current periodicals, and most of the rest of the collection contains various government reports, including some USGS publications. A separate room houses back issues of journals; none are bound, about half are boxes and the rest of the issues are just stacked on top of each other. A wonderful collection of company and private reports is housed in yet another room, with those still confidential upstairs in storage. These reports are generated by individuals and companies doing exploration and mining, as part of their agreement with the Botswana government, and are a wealth of knowledge. The Survey does not subscribe to the Bib & Index of Geology, nor do they have GeoRef on CD-ROM. They are not connected to the internet, even for electronic mail. The journal collection is very small, probably about 20 current subscriptions. The report collection seems to be on a computer database, but it doesn't appear that the rest of the collection is automated yet.

The University of Botswana Library is in a three story building. The geoscience collection of books is contained in about six to ten ranges, including the Botswana Geological Survey reports. The library has about 27 current journal subscriptions, which includes the Bibliography and Index of Geology and 5 JGR titles. Although it has several Silver Platter CDs, GeoRef isn't one yet; I've provided the Department with ordering information for 1996. The

library collection was recently automated, and the librarians have internet email access. The university is expecting to be connected to the internet (with telnet/ftp/web access) during the next year or so.

I am putting Claren Kidd in touch with staff at both libraries and the Department of Geology at the university so that if it is possible to add to their journal collections from US duplicates, she can help to arrange something.

Meanwhile, we have spent about half our time camping in the bush, sampling Archean rocks for isotopic dating so that Richard can continue his research on what may lie beneath the Kalahari sands connecting trends in Zambia with those in Namibia. We've been to villages hundreds of km from tarred roads, and visited national monuments like Tsodillo Hills (quartzites with possibly 26,000 year old Bushman rock paintings) and Drotskys Cave (marbles). Game parks and national monuments are generally reached on deep-sandy 4-wheel drive tracks, and contain no commercialism at all - no hotels, no snack-bars, no curio shops. Sometimes there are park staff if there are campsites. Our fieldwork has been in pretty remote sites. We once traveled 146 km in six hours (on a deep-sand track at 25 km/hour) to reach the main tarred (one-lane) road; and still had to go 280 km to reach a town with fuel, food, and ice. Along the way we've been able to visit some game parks, and the exotic birds are wonderful. I've now see real wild elephants, hippos, many varieties of antelope, giraffe. One morning we awoke to a sea of snorting zebra surrounding the dune we'd camped on; another we awoke to the sound of hooves, and looked out to see a wildebeest silhouetted in the morning light just meters from the tent. We've thriving here, and looking forward to more rocks and adventures in Zimbabwe come February.

## The Swedish Network of Geoscience Libraries

by Tore Torngren  
Geolibrary, Lund, Sweden

In spring 1990 a handful of librarians working at geology and geography libraries in Sweden met in Stockholm. The meeting was informal, and the purpose was to establish better contact between colleagues - the network of Swedish geoscience libraries was created. The main activity so far has been the annual meeting, and the group has grown slightly. Since 1992 the network is receiving the support of BIBSAM, the Royal Library's office for national planning and coordination.

The issues discussed at the meetings are familiar to the library community; collection development, bibliographic control, cataloguing and classification problems, computerization, economy and cooperative efforts to deal with difficulties. For the fiscal year 1994/95 BIBSAM supported an effort to tie the network a bit closer together, and I was appointed a part-time coordinator. An electronic conference for the network was established, and is still operating. The activity is quite low, maybe it takes long time to introduce new communication habits.

In March last year a seminar on geoscience resources on the Internet was arranged in Lund for the network members. This new source of information was exploding on us, and there was, and is, a need for training and discussion. It is essential to encourage the publication of Swedish geoscience information resources on the network. There is also a need for structuring and organizing the wealth of information that is published, and to make quality assessments.

A small survey of the cataloguing praxis at the geoscience libraries was also conducted. Many libraries use the system of the Swedish Library Association (SAB), but Dewey, UDC and LC are also in use. Geobase (Elsevier) and GeoRef are the most commonly used bibliographic databases, others are Compendex, Chemical abstracts, Mineralogical abstracts and Meteorological and geostrophical abstracts.

One of the most important tasks for the network is to suggest and promote development projects of common interest. In Lund we have just started a project called *An electronic library for the earth sciences in Sweden*. An information structure will be published on the World Wide Web, with links to earth science institutions and libraries in Sweden. There will also be a searchable collection of links to other global information resources, which will be annotated, indexed and reviewed by a reference group.

Another important project is carried out at the library of the Swedish Geological Survey in Uppsala. The biblio-

graphic database of Swedish geology is being transported to a new software, indexed and published on the WWW.

The development of international contacts is also supported. Members of the network have participated in the two latest Geoinfo conferences in Ottawa and Prague and in GIS annual meetings, n.b. the one in New Orleans last November. Our discipline, earth science, is truly global, and the value of international cooperation is of course great. The growing computer network offers new challenges, together we may be able to create a world wide electronic library for the earth sciences.

On January 9 this year the second Nordgeoinfo meeting was held during the Nordic Geological Winter Meeting in Ebo, Turku, Finland. (The first was held in Prague during Geoinfo). Librarians and information professionals from geoscience institutions in Finland, Sweden, Norway and Denmark met to discuss issues of common interest. A report from the meeting will be submitted for the next issue of the newsletter.

Below is a list of the libraries participating in the network. Most of the libraries are academic, a few belong to government agencies. Together they cover geology, physical geography, meteorology, hydrology, oceanography and cartography. We welcome contacts from colleagues all over the world.

### SWEDISH EARTH SCIENCE LIBRARIES

Mail: National Land Survey of Sweden (LMV)  
Library  
S-801 82 Gdvl  
Sweden  
Tel: 46 26 15 36 19  
Fax: 46 26 68 75 94  
Imail: gwik@lmv.lm.se  
URL: <http://www.lm.se/yyy/>  
Att: Gertrud Wiking

Mail: Chalmers Institute of Technology  
Geology Department Library  
S-412 96 Gothenburg  
Visit: Sven Hultins gata 8  
Tel: 46 31 772 20 43  
Fax: 46 31 772 20 70  
Imail: nirak@geo.chalmers.se  
URL: <http://geo.chalmers.se/index.html>  
Att: Karin Holmgren

Mail:Gothenburg University  
Visit:Geovetarcentrum  
Library  
Guldhedsgatan 5A  
S-413 81 Gothenburg  
Tel:46 31 773 28 30  
Fax:46 31 773 19 86  
IEmail:Bibliotek@gvc.gu.se  
U R L :  
<http://www.matnat.gu.se/sektion/geovcten/index.html>  
Att:Ulf Svensson

Mail:Linköping University  
TEMA-library  
S-581 83 Linköping  
Visit:Hus T, Valla  
Tel:46 13 28 22 04  
Fax:46 13 28 29 47  
IEmail:chrbr@bibl.liu.se  
URL: <http://www.bibl.liu.se>  
Att:Christina Brage

Mail:Lund University  
Visit:Geolibary  
Svlvegatan 13  
S-223 62 Lund  
Tel:46 46 22 278 67  
Fax:46 46 22 244 17  
IEmail:Tore.Torngren@Geobib.lu.se  
Att:Tore Torngren

Mail:Hvgskolan i Lulee  
Library  
S-951 87 Lulee  
Visit:Hvgskoleomredet, Betahuset  
Tel:46 920 915 72  
Fax:46 920 720 40  
IEmail:Paula.Filen@lib.luth.se  
URL: <http://www.luth.se/depts/lib/index.html.en>  
Att:Paula Filin

Mail:Swedish Meteorological and Hydrological Institute  
(SMHI)  
Library  
S-601 76 Norrköping  
Visit:Folkborgsvdgen 1  
Tel:46 11 15 81 48  
Fax:46 11 15 84 42  
Att:Gunilla Mild

Mail:National Museum of Natural History  
Department of Paleozoology

Library  
Box 50007  
S-104 05 Stockholm  
Visit:Svante Arrhenius vdg 11  
Tel:46 8 666 4177  
Fax:46 8 666 4184  
Att:Christina Franzin-Bengtson

Mail:Stockholm University  
Geography library  
S-106 91 Stockholm  
Visit:Norrullsgatan 2  
Tel:46 8 16 48 47  
Fax:46 8 16 49 69  
IEmail:h\_mietti@sub.su.se  
Att:Birgit Lindgerd

Mail:Stockholm University  
Department of Geology Library  
S-106 91 Stockholm  
Visit:Kungstensgatan 45, 3tr  
Tel:46 8 16 47 63  
Fax:46 8 34 58 08  
IEmail:d\_ericso@bib3.sub.su.se  
Att:Dag Ericsson

Mail:Stockholm University  
Visit:Department of Quaternary Geology Library  
Odengatan 63  
S-113 22 Stockholm  
Tel:46 8 16 48 91  
Fax:46 8 30 96 12  
Att:Tagge Severholt

Mail:Stockholm University  
Department of Meteorology Library  
S-601 91 Stockholm  
Visit:Arrheniuslaboratoriet  
Svante Arrhenius vdg 10-12  
Tel:46 8 16 24 06  
Fax:46 8 15 71 85  
Email:Birgitta@misu.su.se  
Att:Birgitta Bjvrling

Mail:Umeå University Library  
Box 1441  
S-901 24 Umeå  
Visit:Universitetsomredet, Hus C  
Tel:46 90 16 54 04  
Fax:46 90 16 66 77  
Att:Kristina Strindlund

Mail:Swedish Geological Survey (SGU)  
Library  
Box 670  
S-751 28 Uppsala  
Visit:Villavdgen 18  
Tel:46 18 17 93 96  
Fax:46 18 17 93 06  
IEmail:marest@sgu.se or iselidh@sgu.se  
Att:Martin Vstling, Pending Iselidh

Mail:Uppsala University Library  
Visit:Geo-library  
Norbyvdgen 18 B  
S-752 36 Uppsala  
Tel:46 18 18 33 60  
Fax:46 18 18 33 65  
IEmail:Marie.Mosshammar@ub.uu.se  
Att:Marie Mosshammar

Tore Torngren, Lund University, Geolibary  
Svlvegatan 13, S-223 62 Lund, Sweden  
Telephone: +46 46 222 7867 Telefax: +46 46 222 4417  
E-mail: Tore.Torngren@geobib.lu.se

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#### JOB ANNOUNCEMENT

##### PHYSICAL SCIENCES LIBRARIAN, CALIFORNIA STATE UNIVERSITY, Long Beach, Calif.

The University Library, California State University, Long Beach is seeking applications for a tenure track position as Physical Sciences Librarian. This position is available July 1, 1996.

The Physical Sciences Librarian will be expected to participate in instruction and the development of instructional materials, to develop the library's collections and services for assigned physical sciences disciplines, to work in a cooperative centralized reference environment which requires evening and weekend hours, to be active in library and university committees, and to participate in professional activities and research, including publication.

Requirements of the position are a graduate degree from an American Library Association accredited institution or an equivalent professional library degree; demonstrated ability to work with faculty and students in a culturally diverse, participatory environment; excellent interpersonal communication skills; demonstrated skill in using electronic information sources. Preference will be given to applicants with a degree in (or having significant experience working with) an physical science discipline and with a record of previous successful experience in reference ser-

vice, bibliographic instruction, and collection development in an academic library setting, and demonstrating a commitment to service excellence.

Appointment and salary will be commensurate with qualifications and experience and will be made at the level of Senior Assistant Librarian (\$38,016-\$71,568) or Associate Librarian (\$47,940-\$78,588). Librarians have faculty status and are represented by the California Faculty Association. They may exercise the option of 10 or 12-month employment. Librarians receive 13 paid holidays and 24 days vacation along with a generous package of health care benefits.

Submit a letter addressing the requirements of the position, a resume, a copy of the library master's degree transcript, and the names, addresses, and telephone numbers of three references to: University Library & Learning Resources, Henry J. DuBois, Acting Associate Director, California State University, Long Beach, Long Beach, CA 90840-1901.

Review of applicants is expected to begin February 1, 1996; applications will be accepted until the position is filled. Appointments may be scheduled at the Midwinter meeting of the American Library Association at which interested individuals can learn more about the position and the library.

California State University, Long Beach, located three miles from the Pacific Ocean, is a comprehensive, publicly supported, culturally diverse urban university. The University Library has a collection of over one million volumes and is highly automated. The College of Natural Sciences and Mathematics includes the Departments of Physics and Astronomy, Mathematics, Chemistry and Biochemistry, and Geological Sciences.

In addition to meeting fully its obligations under federal and state law, CSULB is committed to creating a community in which a diverse population can live, and work, in an atmosphere of tolerance, civility and respect for the rights and sensitivities of each individual, without regard to economic status, ethnic background, political views, sexual orientation, or other personal characteristics or beliefs. California State University, Long Beach, in compliance with the Civil Rights Act of 1964 (Title VI and Title VII), Title IX of the Education Amendments of 1972, the Rehabilitation Act of 1975, and the Americans with Disabilities Act of 1990, does not discriminate on the basis of race, color, national origin, ethnicity, religion, sex, handicap, or age in any of its policies, procedures, or practices; nor does CSULB discriminate on the basis of marital status or sexual orientation. This discrimination policy covers all CSULB programs and activities, including employment.

An equal opportunity/affirmative action/Title IX Employer.



## ANNOUNCEMENTS and PUBLICATIONS

### Canadian Earthquake Engineering Center Formed

Both the eastern and western regions of Canada have active seismic zones and risk major losses due to earthquakes. Because of the continuing need for research in earthquake engineering, the University of Ottawa and Carleton University have jointly established the Ottawa Carleton Earthquake Engineering Research Centre to foster research and bring together professionals from industry, government, and universities. The center will work to promote high quality research, technology development, and education in all areas of earthquake engineering.

In addition, the center is seeking links with earthquake engineering researchers and other centers throughout the world. It welcomes qualified graduate students, post-doctoral fellows, and visiting scholars. The center also offers mini-courses and seminars for practicing engineers. For more information, contact the Ottawa Carleton Earthquake Engineering Research Centre, Department of Civil Engineering, 161 Louis Pasteur, P.O. Box 450, Suite A, University of Ottawa, Ottawa, Ontario, K1N 6N5, Canada; (613) 562-5766; fax: (613) 562-5173; or the Department of Civil and Environmental Engineering, 3432 Mackenzie, Carleton University, Ottawa, Ontario, K1S 5B6, Canada; (613) 788-5784; fax: (613) 788-3951; or see the center's web site: <http://www.eng.uottawa.ca/profs/bruncau/occeerc.html>.

Susan Klimley reported about a story in the New York Times 1/10/96, "New York Leads List of Westinghouse Science Semifinalists." The story told about Matthew McCann, a Los Angeles semifinalist, who wanted to do a project on fluorescent rocks. "He went to several laboratories in the Los Angeles area but was turned away by many of them for his high school research. "They kept telling me there were no opportunities in the geological sciences," he said. At one university they told him their equipment was too expensive to let 'just anybody off the street' use it, a reaction many high school students get. "Then he went to the Gemological Institute of America, a gem-grading organization in Santa Monica. They welcomed his research."

And no doubt gave him excellent library service! Kudos to GIA!

**MARY ANSARI** (former UNR Mines Librarian and GIS President) has just released her latest compilation, 'Carson City Place Names: the names of old Ormsby County, Nevada.' Camp Nevada Monograph No. 9, Reno,

NV 1995, 68 p. The second in a series of place name volumes covering the state of Nevada, Carson City Place Names contains information on over 400 place names of the former Ormsby County, now the consolidated municipality of Carson City. Though the major emphasis of the book is on the origin of Carson City geographic names, selected cultural names and historic sites are also included. Numerous cross references from alternate names are given. There is an extensive bibliography and a personal names index. Available from: Camp Nevada, PO Box 13798, Reno, NV 89507 \$10.95 postage paid in US.

The Canadian Geoscience Information Centre (CGIC) and the Geomatics Canada Library (GC) now have a new name: the Earth Sciences Information Centre (ESIC), Centre d'information en sciences de la Terre (CIST).

*The Internet and Library and Information Services: A Review, Analysis, and Annotated Bibliography*, by Lewis-Guodo Liu, is now available from the Graduate School of Library and Information Science at the University of Illinois at Urbana-Champaign. Occasional Paper No. 202, December 1995

The literature on the Internet and library and information services has emerged and expanded since 1990 into a rich corpus-- both in quantity and variety. Yet little effort has been made to organize this literature. This work examines that literature and provides a comprehensive annotated bibliography containing 446 items on the Internet and library and information services. The selected items are classified into twenty-seven topical categories such as: Business Resources; Government Information; Legal, Ethical, and Security Issues; Public Libraries; and User's Needs and Human Cognition.

It sells for \$8.00 + \$3.00 shipping (\$1.00 for each additional copy) in the U.S. International orders add \$5.00 shipping (\$1.50 for each additional copy). Orders should be prepaid to the University of Illinois and sent to:

The Publications Office  
Graduate School of Library and Information Science  
University of Illinois at Urbana-Champaign  
501 E. Daniel Street, Champaign, IL 61820  
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<http://edfu.lis.uiuc.edu/puboff>

## INTERNET NEWS

as plucked from the Web, with contributions from:

Curt Stucki <CurtS@DIS.WA.GOV>; Linda Musser <lrn@psulias.psu.edu>; Haavard Tveite <lanht@nlh.no>; Peter Thompson <THOMPSON@cornell-iowa.edu>; Ian Gordon <igordon@spartan.ac.brocku.ca>; Barbara Haner <ECZ5BEH@MVS.OAC.UCLA.EDU>

### Correction

Sharp-eyed reader Peter Thompson wrote: "I noted an error in the latest GIS Newsletter regarding the Volcano World WWW site at North Dakota. The correct URL should be: <http://volcano.und.nodak.edu> (rather than nokak)"

He also recommended 2 other www sites: one that proved extremely useful, with numerous links to other sites, is Michigan Tech's, at <http://www.geo.mtu.edu/volcanoes/> Dartmouth's is excellent for bibliographic information on volcanoes: <http://www.dartmouth.edu/pages/rox/volcanoes/elecvolc.html>

Ian Gordon has been testing these WWW search engines for their geoscience potential, accuracy and indexing. They all have their pluses and minuses.

YAHOO URL: <http://www.yahoo.com>  
WWW Worm: URL: <http://www.cs.colorado.edu/home/mcbryan/WWW.html>  
WebCrawler: URL: <http://webcrawler.com>  
OpenText: URL: <http://opentext.uunet.ca:8080/omw.html>  
Lycos: URL: <http://www.lycos.com>  
Harvest: URL: <http://www.town.hall.org/brokers/www-home-pages/query.html>  
CUI W3; URL: <http://cuiwww.unige.ch/w3catalog>

He also recommends this article: Courtois, M. P.; and others, "Cool Tools for Searching the Web", *\_Online\_ v. 19, no. 6, Nov/Dec 1995, p. 14-32.*

Barbara Haner reports on these internet pages and electronic journals:

Quaternary Australasia vol. 13/2 (December 1995) has developed a column entitled "Quaternary e-mail lists, internet pages and electronic journals. The following URLs may be of interest.

Quaternary Research Association <http://www2.tcd.ie/~pcxon/qrq.html>  
Glacial Geology & Geomorphology <http://ggg.qub.ac.uk/ggg>  
Journal of Paleolimnology [http://www.umanitoba.ca/faculties/science/geological\\_sciences/PALEOLIM/jopl.html](http://www.umanitoba.ca/faculties/science/geological_sciences/PALEOLIM/jopl.html)  
Tropical Geomorphology Newsletter <http://www.zikzak.net/tgn>  
World Palynology e-mail directory <http://opal.geology.utoronto.ca:80/AASP/aaspemail.html>

Glacial Geology & Geomorphology is published on behalf of the British Geomorphological Research Group by John Wiley & Sons Ltd and is fully refereed. The Tropical Geomorphology Newsletter is a biannual bulletin currently in its 10th year. Back issues for no. 18-19 are available and can be located through the home page or by using URL <http://www.zikzak.net/tgn/issues/i18-19.html>.

UNEP/GRID-Arendal and the Department of Surveying, Agricultural University of Norway, announce the ultimate (?) WWW resource page for the Digital Chart of the World (DCW) at URL:

<http://ilm425.nlh.no/gis/dcw/dcw.html>.

This page was developed as a part of the "DCW and Data Quality Project", carried out jointly by the two institutions. The page includes a project summary, access to a number of project documents, and a comprehensive collection of links to other DCW on-line resources.

"A Survey of STM Online Journals 1990-95: The Calm Before the Storm", <http://journals.ecs.soton.ac.uk/survey/survey.html>. (January 1996)--This survey lists over 100 peer-reviewed online journals in the areas of science,

technology and medicine. The paper is really two resources wrapped into one. The first part of the survey, the hurdles facing and distinctive characteristics of the current electronic journal and a glimpse into what is predicted to be a bright future for electronic journals in the area of science, technology and medicine. The second part is a list of dynamic tables that include links to all the journals in the survey.

BACKSERV, a list devoted exclusively to the informal exchange of serials back issues among libraries is a good place to post missing journal issues. Subscribers post two types of messages: 1) "Available journal issues", 2) "Wanted journal issues." And subscribers can respond to the offers & requests. Postage reimbursement is usually required for getting available journal issues.

This is a very active list, with about 15-25 messages daily. To subscribe, send this message to [LISTSERV@SUN.READMORE.COM](mailto:LISTSERV@SUN.READMORE.COM):

subscribe BACKSERV <your name>

To unsubscribe, send this message to the same address:

unsubscribe BACKSERV

The Association of Bay Area Governments (ABAG) Web site includes maps depicting potential earthquake effects in the Bay area. The site includes additional information about the maps, about earthquake hazards in Northern California, and about seismic hazard mitigation generally. The ABAG home page address is: <http://www.abag.ca.gov/bayarea/bayarea.html>

## REVIEWS

by

Linda Musser

The Journal of Geological Education has launched a new column focusing on using the World Wide Web for teaching and learning geology. Each column will be devoted to a single topic; the first column focuses on dinosaurs and vertebrate paleontology (v. 34, p. 563-566). Also in this issue is an overview article about using the Internet for teaching (p. 553-555); some favorite sites are listed.

The SLA Geography & Map Bulletin (no. 181, Oct. 1995) features an article by **MARY LARSGAARD**, "Cataloging Geospatial Data in Digital Form" (p. 2-22). Also included in this issue is an overview of data sets available from the National Climatic Data Center (p. 36- 47) plus a brief description of @ngis, the Australian National Geoscience Information System (p. 54).

Beginning with no. 39, the Arid Lands Newsletter will no longer be published in print. The newsletter is going completely electronic, Web and/or email, with only a four- page summary remaining as a print option. The final print issue, no. 38 (Fall/Winter 1995), is almost completely devoted to Web issues, containing articles on graphic styles for Web pages, building a WWW exhibit, and a hot-list of useful Web sites.

The Geological Society has published a book titled "Geological Data Management" in their special publication series (no. 97, 1995). While the primary audience for this title is data and database creators, it has some articles which look interesting - "Data management in the National Geological Records Centre" (p. 117-125) and "Geoscience data value, cost and management in the oil industry" (p. 127-135) to name just two.

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