



CONTENTS

Special Features

- Report on the Earth Science Education
Conference, by Reggie Brown 12

Departments

- President's Column 1
GIS Annual Reports
Officers 3
Representatives..... 6
Committees 7
Sections 11
News From Canada..... 12
Publications 13
Book Review 13
Publications by GIS Members 13
Announcements 13
The Glacial Drifter..... 14

PRESIDENT'S COLUMN

This is my last column as GIS President. The year has gone by so quickly since Dallas. I want to thank the Executive Board for their hard work and their support. It has been a pleasure working with so many committee members and liaisons. Many of their reports will appear later in the issue. The productivity, energy and range of activities of the committees always amazes me.

It has been a great pleasure and privilege to represent the Society over the last year.

New Publications Manager: As of September 1, 1991 Amanda Masterson became GIS's new Publications Manager. She replaces Louise Zipp who was elected GIS Vice-President. Please contact Amanda if you have any printing or publishing needs. Amanda now has an email address: MASTERSONA@BEGV.BEG.UTEXAS.EDU. I am delighted that Amanda was willing to accept this position. It is an important position for the Society.

Proposed Federal Regulations--Participation in Professional Associations: In July the Office of Government

Ethics proposed regulations that would affect the ability of federal employees to participate fully in the internal affairs of professional associations. If you are unfamiliar with the proposed regulations, a portion are printed in *GSA Today*, September 1991, p. 191. There is further discussion in *Eos*, August 13 and September 3, 1991, and in *American Libraries*, September 1991, p. 701. On behalf of the Society, I wrote a letter urging that federal employees continue to be able to participate fully in professional associations like GIS. If any member is interested in further information about this issue, please let me know.

Conference Call: The Executive Board conference call took place on July 29, at 11:00 am CST. Dena Fracolli reported that there are 8 speakers confirmed for the Symposium on International Initiatives. There will be 9 papers in the Technical Session. The August Newsletter would contain a tear sheet to sign up for the field trip to Scripps. Again this year, the Joint Technical Program Committee would meet in early August. Meeting information would be confirmed after JTTC and appear in the August Newsletter. As usual, annual reports would be in the October Newsletter.

Judie Triplehorn reported that the Society had 285 members as of July 29. Judie reported that the proofs of the membership directory would be mailed to the publications manager in August.

Janice Sorensen reported that the GIS finances are in good condition. In preparation for the end of her term as Treasurer, she is closing out the Lawrence account and consolidating GIS's finances in the remaining accounts.

Mary Ansari reported on the election results: Louise Zipp was elected Vice-President and Barbara DeFelice was elected Treasurer.

Marie Dvorzak discussed the status of the Compass issue and reviewed the discussions about the financing. Because of financial problems with Sigma Gamma Epsilon, Dan Merriam had asked if GIS would be willing to

GEOSCIENCE INFORMATION SOCIETY
1991 OFFICERS

President

Marie Dvorzak
Geology-Geophysics Library
440 Weeks Hall, 1215 W. Dayton
University of Wisconsin-Madison
Madison, WI 53706
608/262-8956; fax: 608/262-0693
E-Mail (Internet): dvorzak@vms.macc.wisc.edu
E-Mail (Bitnet): dvorzak@wiscmacc

Vice-President/President Elect

Dena Fracoli
Information Consultant
3110 McPherson
Fort Worth, TX 76109
817/923-7052
E-mail (Bitnet): dlf88@CAS

Immediate Past President

Mary Ansari
Director's Office
University of Nevada, Reno Library
Reno, NV 89557-0044
702/784-6533; fax: 702/784-1751
E-Mail (Internet): marya@equinox.unr.edu

Secretary

Julia Triplehorn
Geophysical Institute
University of Alaska
Fairbanks, AK 99775-0800
907/474-7503
E-Mail (Bitnet): FYGILIB@ALASKA

Treasurer

Janice Sorensen
Kansas Geological Survey
1930 Constant Avenue
University of Kansas
Lawrence, KS 66046-2598
913/864-3965
E-Mail (Bitnet): sorensen@ukanvax

Publication Officers

Editorial Board Chair

Amanda Masterson
Bureau of Economic Geology
Box X, University Station
Austin, TX 78713-7508
512/471-1534 x222; fax: 512/471-0140
email: MASTERSONA@BEGV.BEG.UTEXAS.EDU

Newsletter Editors

News Gathering
Judy Geitgey
6328 Mendius N.E.
Albuquerque, NM 87109
505/845-8218; fax: 505/846-1521

Production and Mailing

Connie Manson
Washington Div. Geology and Earth Resources
PY 12
Olympia, WA 98504
206/459-6373; fax: 206/459-6380

Publications Manager

Amanda Masterson
Bureau of Economic Geology
Box X, University Station
Austin, TX 78713-7508
512/471-1534 x222; fax: 512/471-0140
email: MASTERSONA@BEGV.BEG.UTEXAS.EDU

The GIS Newsletter is published bi-monthly in February, April, June, August, October, and December by the Geoscience Information Society. Subscription to the Newsletter is \$30 per year and is included in the Society's annual membership dues. All correspondence regarding dues, membership status, and address changes should be directed to the GIS Secretary.

GIS members are encouraged to contribute materials for publication. Research articles and technical reports should be submitted to the Editorial Board for review and possible publication. Information reports, officer and committee reports, publication notices, job announcements, and other news items should be submitted to the News Gathering Editor.

Material for the December, 1991 issue of the GIS Newsletter should be received by the editors no later than November 20, 1991. If possible, please send materials on IBM-compatible disk (Wordstar 3.3, Wordperfect, or ASCII format).

donate \$3,000 toward the publication of the *Compass* issue that Joni Lerud and 12 other GIS members had prepared. In a special discussion on May 3, Board members had agreed that this was a worthwhile project which GIS should support. Board members asked that Marie and Janice discuss several specific issues with Dan Merrriam regarding the publication and distribution of the issue. GIS will receive suitable acknowledgment of its contributions and 400 to 500 *Compass* issues to distribute to its membership and at the GSA convention (if it's printed in time). This will also be discussed at the Business Meeting.

Marie Dvorzak presented a draft of a proposed publications sale. The Society currently has numerous volumes of older proceedings which are selling slowly. The Board agreed in principle with a publications sale, but felt that details should be worked out by the new Publications Manager. The call adjourned at 12:20 pm CST.

1991 Executive Board Meeting: A reminder that all Committee chairs or their designated representatives and new officers are asked to attend the 1991 Executive Board Meeting, Sunday, October 20, from 9 am until 12 noon in the Marriott Cardiff Room. Any other member who would like to attend is welcome.

GIS 1991 Annual Business Meeting
 Tuesday, October 22, 1991
 8:30 am - 12 noon
 Marriott Cardiff Room

AGENDA

1. Approval of minutes from the 1990 Business Meeting as published in the December, 1990 GIS Newsletter
2. Introduction of new officers
3. Introduction of new members and visitors
4. Reports of officers, representatives, committees.
 Reports will be reviewed by appropriate representatives and discussed by the membership.
5. Old business
6. New business
7. Adjournment.

Presentation of the GIS awards for Best Geological Reference Book, Best Paper, and Best Guidebook will be made promptly at 9:00 am. When the award ceremonies are completed, the business meeting will resume.

Time permitting, old and new business will be accepted from the floor. If you wish to place items on the agenda for the Executive Board meeting and/or the annual Business Meeting in San Diego, please either call me at 608/262- 8956 or email me at DVORZAK@WISCMACC.BitNet.

ANNUAL REPORTS

OFFICERS

President

During this year several new initiatives were begun and substantial progress occurred on several important continuing projects. At the beginning of the year, the Board approved the formation of the Canadian Section, GIS's second regional chapter. The Directory Committee began work on the 4th edition. The Guidebooks Committee distributed the checklist for new guidebooks and updating of holdings. They will complete their preparation over the next year. The *Compass* issue that GIS prepared and will help support will be published around the end of October. Our "Best" awards continue to recognize worthwhile publications and are starting to generate recognition for the winners, which is gratifying. The Digital Data Committee inaugurated a new column, The Digital Database Forum, which has been very successful.

Several Ad Hoc committees, like Preservation and International Initiatives, have prepared reports for further GIS activities in these areas. Both GIS and many other societies, like AGI and GSA, are evaluating and developing education activities. The Ad Hoc Committee on Educational Initiatives has completed a report on possible GIS activities in education. This committee has also reviewed options to spend the generous gift of Ruth Bristol.

The Society celebrated its 25th Anniversary in Dallas. I look forward to the next 25 years, knowing that GIS will continue to improve access to and distribution of geoscience information.

respectfully submitted,
 Marie Dvorzak, President

Secretary

Membership in the Geoscience Information Society has increased in 1991:

	1991	1990
Personal	230	215
Corporate	50	39
Total	280	254
Canada	25	18
all international (including Canada)	50	34

The Secretary has prepared minutes of the 1990 annual meeting, responded to correspondence concerning

membership and miscellaneous information requests, maintained the membership database, and prepared camera ready copy of the Directory.

respectfully submitted,
 Julia H. Triplehorn, Secretary

Treasurer

**GEOSCIENCE INFORMATION SOCIETY
 FINANCIAL REPORT
 January 1, 1991 - August 31, 1991**

Balance from 1990	Checking Accts. \$ 26,710.19	Savings Accts. \$ 9,132.10	Total \$ 35,842.29
-------------------	---------------------------------	-------------------------------	-----------------------

INCOME

Dues	
Individual	6,790.00
Corporate	2,350.00
Publications:	
Newsl. Subs.	860.00
Proceedings	3,055.00
Directory	60.50
Other (labels, etc.)	100.00
Interest:	
Home Savings	490.02
Virginia Acct.	15.52
Calif. Acct.	887.85
Bristol Account	10.47
Total income:	14,619.46

EXPENSES

AGI dues	358.50
1990 Annual Meeting	1,502.50
1991 Annual Meeting	360.80
Committees, Officers	4,215.07
Newsletter	1,857.92
Proceedings, v. 21	4,008.53
Proceedings, v. 19	70.00
Misc. Printing	323.86
Total expenses:	12,737.18

Balance on Aug. 31, 1991	30,233.22	9,665.24	39,898.46
--------------------------	-----------	----------	-----------

respectfully submitted,
 Janice Sorensen, Treasurer
 September 17, 1991

Publications Manager

Proceedings: There are 47 standing orders, a net gain of 1. During this time period, the following sales were completed: 2 copies of v. 2-4; 2 of v. 6-8; 3 of v. 9; 4 of v. 10; 3 of v. 11; 2 of v. 12; 1 of v. 13; 4 of v. 14; 5 of v. 15; 2 of v. 16; 6 of v. 17; 4 of v. 18; 10 of v. 19; 20 of v. 20; 2 of v. 21.

Volumes 16-18 are officially OP and available from UMI, however a few remaining copies are available for sale. It appears as if v. 19 will go OP within the next year. Volume 21 was printed by our new printer, Omni-Press in Madison, Wisconsin. I was very satisfied with all aspects of Omni's work, except for delivery when some problems were encountered. From the first print run, we received 445 volumes, with a unit printing cost of \$5.69 (v. 20 unit printing cost was \$7.27, with our previous printer). Our unit postage cost on 441 volumes of v. 21 was \$1.62. We saved about \$1.00 per volume by changing printers, even in a year when postage costs rose. If any members did not receive a copy of v. 21, or if it arrived damaged, please contact the Publications Manager for a replacement copy. After the initial distribution to members and subscribers, I found that there were fewer than 50 copies remaining. This was a result of two factors: the membership database had still contained non-renewed 1990 members when the labels were made for Proceedings distribution, and I underestimated sales and other distribution needs. A second printing of 100 volumes took place in July, and those volumes went into inventory. The unit printing cost for the second printing was \$7.90.

Newsletters: There are 33 paid subscriptions, a net gain of 5. No back issues were sold. I notified the Newsletter Editor of an increasing number of claims for missing issues from mostly foreign subscribers (1989: 3 issues; 1990: 11 issues; 1991, through 6/22: 11 issues).

Membership Directory: The 1991 Directory has not yet been sent to the printer.

Membership Brochure: Copies of the 1990 brochure were distributed to members with v. 21 of the Proceedings. This mailing almost emptied the inventory, so a slightly revised version was printed (2000 copies) at a unit cost of \$0.06.

Directory of Geoscience Libraries: 7 copies were sold.

Mailing labels: 1 set of labels was sold.

Careers Brochure: Gratis distribution continued.

Checklist for Evaluating Geoscience Journals: As per instructions from the Executive Board, this publication was withdrawn from distribution.

Guidelines for Authors, Editors, and Publishers of Geologic Field Trip Guidebooks: The Exhibits Manager and Guidebooks Committee Chair returned all remaining copies after the Annual Meeting. Gratis distribution increased after general announcement to the geoscience community in professional journals; since that time, 30 gratis copies have been distributed, many to foreign addresses.

Publications List: A 1991 revision (1200 copies) was printed at a unit cost of \$ 0.07.

A proposal was sent to the President for a sale of Proceedings back volumes to reduce inventory and produce income for the Society. A temporary complimentary distribution of GIS publications was initiated at the President's direction to Jitka Bradacova, the primary contact person for the next International Conference on Geoscience Information. I advised the President to consider raising prices for Newsletter subscriptions and Proceedings due to the rising cost of postage. I increased the price of foreign airmail shipment of Proceedings from \$2.50 to \$5.00 per item. Copies of recent GIS publications were sent to the Archives. The 1991 Publications List and, in some cases, Membership brochures, were distributed to Proceedings and Newsletter subscribers and to all who purchased GIS publications since 1989.

I thank Aphrodite Mamoulides for distribution of sale copies of our publications. I also want to thank members of the Executive Board and other Society members for their cooperation and support. I have truly enjoyed my two years of service to GIS in this position, and I look forward to working with Amanda Masterson, the new Publications Manager.

respectfully submitted,
Louise Zipp, Publications Manager

Editorial Review Board

The Editorial Review Board, which consists of Nancy Blair, Dick Walker, and Amanda Masterson, has had a quiet year. One suggestion from the membership for a book to be reviewed was referred to a noncommittee member for review. We continue to encourage all GIS members to submit articles to the GIS Newsletter and to suggest titles for review.

respectfully submitted,
Amanda Masterson, Chair

Newsletter Editors

The officers and members do the work of the Society. The Newsletter just gets the word out.

Since the last annual report, the Newsletter has published the usual reports from the officers, representatives, and committees, as well as the various meeting reports and minutes.

We were pleased this year to also distribute the Guidebook Guidelines and to publish the Digital Database Forum, the GeoRef survey, Susan Klimley's reports from the Task Force on Text and Image, and various other reports.

Our thanks go to all these contributors. We urge all GIS members to continue to use the Newsletter to report their activities to the membership.

respectfully submitted,
Connie Manson, Co-Editor, GIS Newsletter

REPRESENTATIVES

AGI Member Council

Two meetings of the AGI Member Council are held each year: one at the Geological Society of American annual meeting and the other at the American Association of Petroleum Geologists annual meeting. The GSA October 29, 1990 meeting indicated a turbulent year at AGI because of financial difficulties and the resignation of the Executive Director. Continued emphasis was stressed for the education concern, particularly at the K-6 levels. Publications were to be made stronger and most cost effective and AGI was to take a part in the promotion of activities in the geosciences in association with all the member societies. Seeking additional funds and better marketing strategies for existing AGI products was also of importance. Two conferences were being planned: 1. Geosciences Education Conference to be attended by 2 members of each of the societies and some interested others; and 2. President's Conference to discuss integrated geoscience programs. AGI wishes to strengthen its Advocacy Program for stronger representation in Congressional and Executive Branch programs and policies. Reports of the Societies followed. Concern for AGU to rejoin AGI was indicated.

The AAPG April 10, 1991 meeting indicated further discussion and concern on financial matters including the building mortgage and a cash flow problem in the spring. The Earth Science Education Conference was considered a success with more meetings to follow. Old business included the status of SEPM and further discussion that AGU be encouraged to reconsider membership in AGI.

Local societies were urged to affiliate. The Advocacy Program received lengthy consideration. A few societies had some reservations about the Advocacy Program, generally concerning funding by the societies themselves, current financial difficulties of AGI, and possible "bleeding" of funds from GeoRef. The Executive Committee will pick an Advisory Committee from a designated pool to assist in the determination of issues for Advocacy. The AGI bylaws revision was passed. The changes of bylaws were changes of wording that clearly indicated societies were not responsible for the debt of AGI and a house-keeping change to two versus three past presidents in Article III, 7.a. Reports of member societies followed.

respectfully submitted,
Joanne V. Lerud, Representative

Special Libraries Association Geography and Map Division

Maps and the Future

by

Joanne M. Perry, Bulletin Editor, G&M

The Geography & Map Division of SLA had a full schedule at this year's conference in San Antonio. The final session was moderated by Jim Gillispie of Johns Hopkins University who is currently the Division's Chair-Elect. The three presentations given in this session addressed new techniques or resources either under development or actually available for use in map collections.

Martha Andrews, INSTARR, University of Colorado, delivered a presentation entitled "The International Polar Regions Databases on CD-ROM." She discussed the similarities and differences between two currently available area oriented (e.g., polar areas) CD-ROM products.

Polar Pac is a WLN download which grew out of the 12th Northern Libraries Colloquy held in Denver in June, 1988. It is available for \$300 and mainly covers Alaska. It functions as a union list of library holdings, includes monographs as well as serials and is extremely easy to use. Arctic and Antarctic Regions is licensed annually for \$800 with a single yearly update. It is based upon a number of other databases (ASTIS, Cold Regions Bibliography, C-CORE, Citation, & SPRI) and focuses on the Antarctic (other areas covered selectively). It is a powerful system that permits complex searches and is particularly well suited for researchers and scientists.

Mary Larsgaard, University of California--Santa Barbara, delivered a paper prepared with HelenJane Armstrong, University of Florida. Entitled "Geographic

Distribution and Organization of Remote Sensing Imagery in U.S. Libraries: A Work in Progress," it discussed the compilation of a directory to remote sensing imagery (aerial and satellite photographs). This is a format which is not easily accessible through union lists, cataloging utilities or directories of map collections but which is in high demand by library patrons. Persons interested in having their collections listed in the directory should contact either Mary or HelenJane immediately.

Jim Minton, University of Tennessee, presented the last paper of the session, "Geographic and Cartographic Information via Bitnet and Internet." This was an overview of the development of computer networks that map librarians may now access in order to communicate with each other in a timely manner. Those having access to Bitnet/Internet find it is possible to have conversations with each other on Maps-L as well as participate in surveys, see calls for papers, search distant OPACS, read on-line serials and keep abreast of any job announcements that might be made. With access to this technology and the skills to utilize it, we can all be much closer and more up to date.

Both Ms. Andrews and Ms. Larsgaard have indicated that the written form of their presentations shall soon be submitted for publication in the Bulletin.

This report is from the SLA, Geography & Map Division Bulletin, no. 165, September 1991, and was submitted by Joanne M. Perry, Bulletin Editor.

respectfully submitted,
Priscilla Johansen, GIS Representative

Special Library Association Petroleum and Energy Resources Division

Petroleum and Energy Resources Division, SLA, conducted its usual busy schedule at the Annual Conference. The *Bibliography of Petroleum Information Resources* is in revision, and a new edition is projected for 1992. Jeanne Perdue, Texaco, announced that the Society of Petroleum Engineers papers will be issued in CD-ROM format, probably in late 1992, with a probable \$2,500 initial subscription price.

A speaker from Sperry-Sun Drilling Services covered future technology in the petroleum industry, with "hot topics" such as global warming, spills, and groundwater and soil contamination. The hot disciplines to watch are geology, physics, chemistry, and computer science. CD-ROM was the focus of an excellent session, with one solo librarian and one international corporation librarian tracing their experiences. Kitty Farnham, BP Exploration, Alaska, networked CD-ROM using a VAX/Ethernet configuration.

BP networked such databases as Computer Select, Compendex, ABI/Inform, and LaserCat to over 1300 MAC or IBM users.

respectfully submitted,
Marilyn Stark, GIS Representative

Western Association of Map Libraries

The Western Association of Map Libraries held its Spring 1991 Meeting at the Map and Imagery Lab at the University of California, Santa Barbara (UCSB). The theme of the meeting was "Spatial Data in a Digital World." First, there was an all-day workshop on accessing spatial data in digital form. UCSB professors talked about the basics of spatial data in digital formats and the required hardware. Then a member of the UCSB Library administration discussed the funding considerations. Afterwards, there were several demonstrations of hardware and software in the lab.

The program for the rest of the meeting included similar talks on practical aspects of acquiring and using spatial data; spatial data from federal agencies; applications of geographic information systems; and digital spatial data in the map publisher and dealer world. The highlight was probably Dr. Jeff Star's two presentations on geographic information systems.

At the end of the conference, WAML visited the Santa Barbara Museum of Natural History. There was an exhibit and reception honoring Thomas W. Dibblee, Jr., the noted geologist who has mapped much of California. Geoscience librarians from California especially enjoyed the chance to meet Tom Dibblee, whose USGS and Dibblee Foundation maps are used often.

The Fall 1991 Meeting is being held at the Western Washington University in Bellingham, Washington during mid-September. A report on this meeting will be given at the GIS Annual Business Meeting.

respectfully submitted,
Michael Noga, GIS Representative

COMMITTEES

Ad Hoc Committee on Educational Initiatives

The Ad Hoc Committee on Educational Initiatives is submitting to the GIS Executive Board meeting on Sunday October 20, 1991 a proposal to use funding from the Ruth Bristol Fund to compile a listing of sources from which teachers can obtain information and resource materials for

their classroom studies. This proposal will also be discussed at the Business Meeting on Tuesday. If you are unable to attend the Business Meeting but wish to comment on the proposal, please send suggestions to Regina Brown or Mary Scott.

The publication to be entitled, "Teachers's Guide to Earth Science Information Sources" will contain the names, addresses, telephone numbers, and other pertinent information for state and federal agencies, associations, societies, publishers, etc., that have available educational materials or information of interest to teachers. It is anticipated the publication will be available by Spring 1992. A preliminary mock-up will be displayed at the October GIS Meeting in San Diego.

respectfully submitted,
Mary Scott and Regina Brown

Ad Hoc Committee on International Initiatives

Background: The Geoscience Information Society has members from 13 countries and has a strong history of international activity. At the November, 1990 GIS Business Meeting, there was considerable discussion concerning international projects and initiatives in which the Society could become involved. At the conclusion of the discussion, the Society approved a motion to investigate the feasibility of establishing a grant program for GIS members for the preparation of international reference tools. In response to this interest by the membership, the GIS Ad Hoc Committee on International Initiatives was established to carry out this investigation and to prepare a general overview of present and potential international initiatives for the Society. The Committee consists of Dorothy McGarry and David Reade and has a one year appointment to carry out its mandate.

The complete report from this Ad Hoc Committee was submitted to the GIS President but was too lengthy to reproduce in the Newsletter. Therefore, this article is only a synopsis of the activities and recommendations contained in the full report. Copies of the complete document will be made available to the membership at the Annual Business Meeting in San Diego.

Mandate: The mandate for the Ad Hoc Committee on International Initiatives is as follows:

- To investigate and report on the feasibility of a grant program which would provide awards to GIS members for the preparation of a geoscience reference tool outside the applicant's home county
- To identify, investigate and evaluate additional international initiatives for consideration by the Society

- To investigate the potential for collaboration on international initiatives with other organizations involved in the earth sciences
- To prepare and submit a report through the GIS Newsletter and answer membership inquiries at the 1991 GIS Business Meeting

Definition of terms: The Committee has defined "international initiatives" as being the policies, projects, and ongoing activities which the Society could adopt or undertake in order to:

- Foster the international exchange of earth science information, documentation, methodology, and related expertise and technology
- Establish links with colleagues in other countries
- Expand non-North American membership in GIS
- Raise awareness of international issues within GIS membership

Committee Activities: In order to achieve its mandate, the Committee carried out the following activities:

- a) An evaluation of membership interest and support for international initiatives was prepared
- b) GIS membership was made aware of international geoscience information meetings through notices in the Society Newsletter
- c) Existing GIS international initiatives were identified
- d) A proposed GIS grant program for the preparation of international reference tools was evaluated
- e) The Committee identified policies, programs and activities that the Society could adopt/undertake
- f) Potential partners for international activities were identified

Findings and Recommendations: The Committee found that GIS has a tradition of support for international activities and that current levels of interest in this area are high. A review of the Society's activities revealed that GIS already undertakes a number of international initiatives. In addition, the Committee documented a wide variety of new initiatives that would be feasible for a Society of our size and identified potential partners for international activities. Finally, the Committee found that the proposed grant program for international reference tools was both worthwhile and feasible. However, it was felt that this proposal should be compared against other possible international activities prior to its implementation.

On a broad level, the Committee found that there was no overall focus for international initiatives within the Society. It is our recommendation that the GIS Executive institute a framework for international activity. Specifically, it is recommended that GIS establish a standing Committee on International Initiatives and gather

existing international activities under this group. In addition, it is recommended that this new Committee be charged with the following responsibilities:

- Develop an annual program of international initiatives for the Society and present this plan to GIS Executive for approval
- Make recommendations on how GIS policies could be revised to support international initiatives by the Society and better serve non-North American membership
- Investigate and initiate projects that meet the goals of the Society in an international setting
- Identify creative methods of funding GIS international initiatives
- Identify a Contributing Editor to coordinate an International Column in the GIS Newsletter
- Develop liaison with other international earth science organizations with a view towards establishment of joint international initiatives

It is hoped that this initial look at international "options" available to GIS will generate discussion and action in this most important area.

respectfully submitted,
David Reade, Chair
Dorothy McGarry, Member

Ad Hoc Committee on Preservation Issues

The Committee was charged with investigating what, if any, activities GIS should undertake in the area of preservation of geoscience information. The recommendations will be reported to the Executive Board and to the general membership at the San Diego meeting.

The Committee believes that GIS should be involved with preservation issues, and should at this time undertake to provide both the GIS membership and the end user of earth science information with information about preservation needs and current efforts in the field. GIS should serve as a clearinghouse for preservation information as it specifically relates to the earth sciences. This should include a regular column in the Newsletter, where members can inform each other of current projects and preservation techniques. The field of preservation is undergoing rapid changes as advances in electronic storage and color microfilm occur. GIS should serve to inform its members, much as it does in other areas of collection management.

The other recommendation is that GIS undertake to educate users of earth science information about their stake in this issue, and to solicit feedback on the usefulness of different approaches to preservation. The Commit-

tee recommends that GIS provide exhibit space and financial support for this need at the next annual conference.

Other issues to be discussed further with the Executive Board include a possible symposium, perhaps held jointly with another organization, on the topic of preservation, as well as possible collaborative efforts in funding and collection maintenance. These topics will require further examination and consideration.

respectfully submitted,
Connie Wick, Chair

Ad Hoc Committee on the Directory of Geoscience Libraries, 4th edition

The Directory Committee is making excellent progress. The questionnaire has been reviewed and revised. The Regional Editors are finding and adding previously un-surveyed libraries and collections for their regions. We anticipate mailing the questionnaires in late 1991 or early 1992, with publication of the Directory in 1992.

respectfully submitted,
Connie Manson, Chair

Ad Hoc Committee on the Fifth International Conference on Geoscience Information

The Committee has no activity to report. The members await contact from our hosts in Czechoslovakia.

respectfully submitted,
Richard D. Walker, Chair

Best Paper Award Committee

The Committee conducted several extensive literature searches and reviewed some 35 articles on geoscience information. Rankings from Committee members resulted in the selection of four semi-finalists. After reconsidering those four, the Committee agreed that the winning paper for the 1991 award should be Barbara Haner's "Guidebook citation patterns in the geologic journal literature--A comparison between 1985 and 1967," published in the GIS Proceedings, v. 20, p. 159-169, 1990.

The Committee was impressed that two of Barbara Haner's papers were in the final four! Comments from Committee members included, "well written," "an important contribution to the body of knowledge in geoscience information," "highly readable," "well researched," and, "very relevant to our field."

The citation has been prepared and framed, and our winner has been notified. She will be present in San Diego to receive her award. I have mailed announcements to *Geotimes*, *College and Research Libraries*, *GSA Today*, *Special Libraries*, and the news service at the University of California, Riverside.

The Committee suggests that the "GIS Best Paper Award Guidelines" be revised to reflect actual practice, i.e.,:

1. ...The nomination deadline should not be later than 5 months before the GIS annual meeting.

4. ...Papers are divided among Committee members for initial screening. The resulting group of papers remaining after the screening is read by all members, who then vote for their favorite.

7. ...recommended that the framed citation be presented by the Committee chair to the winner of the award.

Should a guideline be added that the Chair of the Committee should notify the winner in writing and should send announcements to the press?

I wish to thank our hard-working Committee: Sylvia Bender-Lamb, Suzanne Larsen, Thelma Thompson, and Dennis Trombatoare.

respectfully submitted,
Julie Bichteler, Chair

Best Geoscience Reference Book Committee

The Best Geoscience Reference Book Committee has selected the *Dinosauria*, edited by David Weishampel, Peter Dodson, and Halszka Osmolska for the 1991 award. The high quality and unique ability to find detailed descriptions of dinosaur taxa in one reference source makes this book an invaluable addition to a reference collection.

The Committee discussed the material which should be considered for recognition as an outstanding contribution to reference resources. In 1990 the distribution of GeoRef on CD-ROM has made a great impact on the way many libraries serve their patrons. After discussion at the last annual meeting and with the Committee, it was decided that as the book still remains a constant resource in all libraries, the goal of the Committee was to continue to recognize high quality, authoritative reference books which serve the needs of the research community.

The Committee for 1990-1991 was composed of Barbara Haner, John Kawula, Linda Newman, Marilyn Stark, and Connie Wick. The prompt response and input

from the Committee as guidelines were developed to judge reference books was much appreciated by the Committee Chair.

respectfully submitted,
Barbara Haner, Chair

Exhibit Booth Committee

GIS will occupy Booth 435 in the San Diego Convention Center. The Booth will feature a display paralleling this year's "Global Perspective" theme. GIS mementos will be available. Exhibit hours: Monday, Oct. 21, 9 am to 6 pm; Tuesday, Oct. 22, 9 am to 5:30 pm; Wednesday, Oct. 23, 8 am to 5:30 pm. The schedule for staffing the Booth is divided into hourly increments. Please stop by and sign up for a tour of duty. Thanks!

respectfully submitted,
Elaine Watson, Chair

GeoRef Advisory Committee

Because of Miriam's illness this year, I am supplying a brief report on the GeoRef Advisory Committee. Financials continue to show an overall surplus for the activities of GeoRef. Royalties from GeoRef CD are beginning to show. Because of the difficulties in attracting and keeping good indexers, the Committee instructed Mulvihill to work on a proposal for that increase. An increase in document delivery service revenue was approved. Map color quality continues to be a problem for document delivery. The lateness of the *Bibliography and Index of Geology* and of GeoRef was a concern. Discussion of reducing coverage in peripheral areas occurred and the Committee asked for recommendations to alleviate the problems. Retention of experienced indexers and acquisition of new equipment for the new production system is critical to the continued success of GeoRef. NSF money was being sought. The Committee favored offering GeoRef to other CD publishers. Publishing alternatives for GeoRef of internal CD production or hard disks were discussed. Long-range planning for GeoRef will take place at the annual meeting of GSA in October of 1991. The 6th edition of the *The-saurus* is beginning with publication scheduled in 1992. The thesis bibliography is to be published in 1991. The Committee agreed to try OCLC MAX as a spin-off of loading GeoRef on EPIC. The Committee would like to review CD usage information. Discussion via E-mail and paper continued throughout the year on CD pricing and options.

respectfully submitted,
Joanne V. Lerud for Miriam Sheaves,
Representative

Guidebook Standards Committee

The Guidebook Standards Committee selected *Road guide to volcanic deposits of Mount St. Helens and vicinity, Washington* (USGS Bulletin 1859), by Michael P. Doukas, Alaska Volcano Observatory, as the recipient of the GIS Best Guidebook of the Year Award for 1990. The award will be presented at the GIS Business Meeting, October 22, 1991. Earlier Committee activities were reported in the Mid-Year Report (GIS Newsletter, no. 130, June 1991, p. 3.)

respectfully submitted,
Claren Kidd, Chair

Guidebooks Committee

The Guidebooks Committee was very active during the past year collecting information to produce a checklist for 1986-1990 guidebooks to be sent to all potential participating libraries by AGI. More than 40 major libraries contributed information towards the formation of this checklist.

The checklist and accompanying documentation were sent out to 560 libraries in the United States and Canada in July. The checklist includes 718 entries for new guidebooks produced between 1986-1990 and for those older guidebooks located by the Committee and not included in the Union List 5th edition. There are 133 new series entries. The completed checklists and accompanying materials (library reporting form, info on guidebooks not on the checklist or in the 5th edition) are due back to Rich Spohn by September 20. Revisions to 5th edition libraries' holdings and holdings to the 5th edition by new contributing libraries are due to Rich by March 31, 1992. Early returns indicate a good positive response with at least 40-50 new libraries reporting.

Several membership changes occurred. Dena Fracolli, Janice Sorensen, and Phil Stoffer resigned from the Committee because of other commitments. Eileen Snyder and Lorrie Knox became new members of the Committee to cover the geographic areas represented by Dena and Janice. Mary Spencer added New England to her area of responsibility.

The Committee will meet in San Diego to work on problems, to coordinate indexing, and to plan the time table for completion of the 6th edition. There will be a final call for any additional library holdings in the early spring of 1992.

respectfully submitted,
Richard Spohn, Co-Chair

Nominating Committee

The 1991 Nominating Committee was composed of Mary Ansari, Chair; Joanne Lerud, and Michael Noga.

In response to a suggestion made at the 1991 Executive Board Meeting, the Committee drafted position descriptions for the two officers, Vice President and Treasurer, for which GIS was holding elections this year. The position descriptions, along with the call for nominations, appeared in the February Newsletter.

The 1991/92 slate of candidates consisted of Marjorie King and Louise Zipp for the office of Vice President/President Elect and Barbara DeFelice and Sharon Tahir-kheli for Treasurer. Ballots were sent to all eligible voting members and representatives in early June with a July 12 deadline for voting. Louise Zipp was elected Vice President/President Elect and Barbara DeFelice was elected Treasurer.

The Committee wishes to congratulate the winners and to wish them the very best in their respective offices. The Committee is grateful to Marjorie King and Sharon Tahir-kheli for their overall contributions to the Society and their willingness to run and serve in these offices.

respectfully submitted,
Mary Ansari, Chair

SECTIONS

Pacific Section

The GIS Pacific Section continues to be a forum for communication among members in the Pacific states.

Our annual meeting will be held during the San Diego annual meeting; the time and place will be announced there. All Pacific-area members are urged and welcome to attend.

respectfully submitted,
Connie Manson, Chair

Report on the Earth Science Education Conference,
Alexandria, VA, August 25- 26, 1991

by
Reggie Brown

Forty-four scientists and educators representing earth science societies and governmental agencies attended a 2 day Earth Science Education Conference in Alexandria, VA on August 25-26, 1991. Support was provided by the American Geological Institute and the National Science Foundation. Reggie Brown represented GIS.

Charles Groat, Executive Director, AGI, opened the session with a review of conference and workshop activities leading up to the meeting. Last May presidents and directors of geoscience societies met to discuss what is needed in earth science education. There is concern about fragmentation. How do we get the same recognition as other disciplines? The National Research Council has been asked to review the current status of earth science education. A subcommittee will recommend a course of action.

During the morning session, conference participants elected to meet in workshops addressing partnering, teacher education/enhancement or syllabus/sourcebook. In the afternoon, there were other discussion groups on teacher awards and scholarships, educational publications, and clearinghouse/network.

Ed Geary of the Geological Society of America chaired the workshop on partnering. The Society's Partnering for Excellence through the SAGE program (Science Awareness through Geoscience Education) focuses on K-12 teachers' interaction with professionals. GSA would like to see other organizations get involved in initiating cooperative education interaction between teachers and geoscientists. This partnering could serve as a resource for any number of activities--classroom visits and presentations, field trips, one-on-one mentoring, etc. Pilot programs could be paired with teacher enhancement.

There is a critical need for in-service programs for teachers. Colleges and universities ought to take the initiative to offer appropriate courses to build teachers' confidence and expertise in presenting earth science to their students. Teacher input is important. Mixed teams of elementary, middle school and high school educators can provide a means of sharing creative ideas and scientific concepts.

What earth science should be taught, how should it be presented, what curriculum materials are needed? A syllabus/sourcebook needs to address three problem areas: content, process or inquiry (skills), and attitudinal or effective teaching. It is important to highlight essential concepts that earth science shares with other disciplines. The publication needs to emphasize the necessary balance of maintaining, developing and using the Earth's resources. Assessment should be build into the teaching program.

In the morning of the second day, workshop leaders summarized their respective sessions. Later, there were briefings on national science education programs, such as the National Science Teachers Association's Scope, Sequence, and Coordination Core Curriculum, the AAAS Project 2061, national standards, Earth Sciences Curriculum, etc. After lunch, time was devoted to outlining plans for building a national coalition of earth systems societies wit the purpose of coordinating and communicating information. A steering committee will meet to develop its structure. It is important that individual societies take an active role in the proposed organization. In late afternoon Charles Groat summarized the conference proceedings. He complimented the participants on the constructive meeting and urged society/agency members to continue the exchange of information.

NEWS FROM CANADA

At the Geological Survey of Canada, Koushal Sehdev completed a one-year secondment as GSC Chief Librarian and she returned to Statistics Canada as of the end of August. Marielle Doyon (Head of Technical Services) is now carrying out the duties of the Chief Librarian on an acting basis. Elizabeth Frebold is leaving the GSC Library at the end of September. Elizabeth is well known to many GIS members and during her long service at the GSC she made a valuable contribution to the field of geoscience information in Canada. Retirement will permit Elizabeth to pursue her many personal interests-- she will be missed at the Geological Survey Library by staff and patrons alike.

PUBLICATIONS

Moonbeam Publications, Inc. is an authorized dealer/distributor for the U.S. Geological Survey National Mapping Program. Maps include state maps, energy transportation maps, special maps, earth satellite imagery, and maps from the National Atlas. For more information contact:

Moonbeam Publications
18530 Mack Avenue
Grosse Pointe, MI 48236
313-884-5255
800-445-2391
313-884-5166 (fax)

Omnigraphics, Inc. recently published the Omni Gazetteer of the U.S. The set consists of 11 bound volumes: the first 9 volumes cover 9 geographic regions, arranged alphabetically into state sections. The other 2 volumes contain indices and appendices. The complete set, either hardbound or CD-ROM version, sells for \$2000. Individual volumes sell for \$250 each. For further information, contact:

Omnigraphics, Inc.
Penobscot Building
Detroit, MI 48226
313-961-1340
800-234-1340
313-961-1383 (fax)

BOOK REVIEW

Walker, Richard D.; Hurt, C. D., 1990, *Scientific and technical literature, an introduction to forms of communication*: Chicago, London, American Library Association, 297 p. (0-8389-0539-0) 39.50.

reviewed by Reggie Brown

Scientific and technical literature focuses on the media used by those in the scientific/technical field to communicate among themselves and with the scholarly community as a whole. Communication has evolved from the personal exchange of information (oral or written) to meetings of groups sharing common interests, followed by written accounts of formal meetings proceedings. As the volume of information has grown, so has the development of media via which it can be disseminated. The authors are primarily concerned with the written or archival record (its distribution, dissemination, utility, formats, limitations and characteristics), and have devoted chapters to journals, technical reports, conference proceedings, patents, maps, and abstracting and indexing services. The historical development and rationale of the form, its function, present

and future usage are addressed. Later chapters discuss the role of secondary literature and online services. The distinction between primary and secondary literature is no longer easily discernible with the expansion of online services. Although citations in a bibliographic database are regarded as secondary literature, use of full text is primary. Walker and Hurt are optimistic about the future of secondary literature, with the emergence of automation and the potential for profit in the market place. *Scientific and technical literature* is an important addition to the literature on the history of science and technology and the transmission of knowledge.

PUBLICATIONS BY GIS MEMBERS

Susan Klimley's article, "The color of geologic data--Using color computer images to display data," was published in the September, 1990 issue of *Episodes* (v. 13, no. 3, p. 162-166).

Sylvia Bender-Lamb's article, "Magma energy exploratory well, Long Valley caldera, Mono County, California," was published in the April, 1991 issue of *California Geology* (v. 44, no. 4, p. 85-92).

Barbara DeFelice's article, "CD-ROM revolutionizes Geo-Ref," was published in the July, 1991 issue of *Geotimes* (v. 36, no. 7, p. 22-24).

ANNOUNCEMENTS

USGS CARTOGRAPHIC INFORMATION CENTER OPENS IN RESTON

The U.S. Geological Survey's new Cartographic Information Center was dedicated Thursday, September 12, 1991 at its headquarters in Reston, Virginia. The Center has one of the world's largest collections of topographic, water resources, and geologic maps, including a large collection of foreign maps (40% of the entire collection) and a complete collection of USGS published and open-file maps, as well as selected historical maps. The center also has an extensive earth science collection. Interlibrary loan and reproduction services are available. For more information, contact:

Cartographic Information Center
U.S. Geological Survey
Mail Stop 952, Room BC-111
12201 Sunrise Valley Drive
Reston, VA 22092

CHANGES AT AGI

Charles G. Groat, Executive Director of the American Geological Institute, has been appointed Executive Director of a newly reorganized research center at Louisiana State University that deals with coastal, energy, and environmental resources. Groat will continue to serve as AGI's Executive Director until early 1992. A national search for a new Executive Director, chaired by incoming AGI President-Elect Donald C. Haney, Kentucky state geologist, will be launched immediately.

We were saddened to hear of the death of Juergen Reinhardt, the recently appointed State Geologist of Wisconsin, as a result of a traffic accident. Dr. Reinhardt, 44, became Wisconsin's State Geologist and director of the Wisconsin Geological and Natural History Survey this summer after spending 15 years working for the U.S. Geological Survey in Reston, Va. He is survived by his wife, Judy, and two children.

Connie J. Manson, Co-Editor
Geoscience Information Society
2525 Sleater Kinney Road N.E.
Olympia, WA 98506

THE GLACIAL DRIFTER

Pictures at an Exhibition

See the speaker rushing to finish her slides. See the President trying to keep the meeting on schedule. See the yellow light that appears when the speaker has just finished his introduction. See the members voting on an amendment to an amendment at the business meeting. See the desserts rapidly disappear as the luncheon program begins. See the office mates from ten years ago meet at the reunion.

See the field trip participants wait for the last straggler. See the database demonstrator wait (and wait) for the appearance of the next computer screen. See the long line at the hotel check-out counter. See the tired conference goers move down the long airport corridor with their overloaded baggage. See the overflowing mail bin after one week away from the office.

NON-PROFIT ORG.
U.S. POSTAGE PAID
OLYMPIA, WA 98501

Permit no. 244

Michael Mark Noga
1243 Federal Avenue
#108
Los Angeles, CA 90025

