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GIS newsletter

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1980 GSA Section Meetings

South-Central Section

Wichita, Kansas, March 3-4
(David E. Smith, Dept. of Geology and Geography,
Wichita State University, Wichita 67208)

Northeastern Section

Philadelphia, March 13-15
(Lucian B. Platt, Dept. of Geology, Bryn Mawr College,
Bryn Mawr, Pa. 19010)

Cordilleran Section

Corvallis, Oregon, March 19-21
(E. J. Dasch, Dept. of Geology, Oregon State University,
Corvallis 97331)

Southeastern Section

Birmingham, Alabama, March 27-28
(Denny N. Bearce, Dept. of Earth Science, University of
Alabama, Birmingham 35294)

North-Central Section

Bloomington, Indiana, April 10, 11
(Donald E. Hattin, Dept. of Geology, Indiana University,
Bloomington 47401)

Rocky Mountain Section

Ogden, Utah, May 16-17
(Richard W. Moyle, Dept. of Geology and Geography,
Weber State College, Ogden 84409)

Call For Papers GIS Annual Meeting Atlanta, November 16-20, 1980

GIS members and others interested in presenting papers at the GIS Contributed Papers Session in Atlanta are invited to submit abstracts for consideration. The abstracts should not exceed 250 words in length and should be submitted on a GSA abstract form, which can be obtained from the Program Chairperson, Nancy Pruett, or GSA Headquarters. All abstracts for the Contributed Papers Session must reach GSA Headquarters by June 1, 1980. One copy should be sent to Nancy Pruett. Abstracts will be reviewed by a panel of GIS members and you will be notified of acceptance or rejection no later than early August. We urge you to participate in the Society's annual meeting in 1980!

Nancy J. Pruett
Geology-Geophysics Library
U.C.L.A.
405 Hilgard Avenue
Los Angeles 90024
Phone: 213/825-1055

GeoRef Data Base To Extend Back To 1785

The American Geological Institute and the U.S. Geological Survey will share the cost of adding 288,000 old bibliographic references to the GeoRef data base. The USGS has awarded AGI \$92,000 to cover its share of the project. By September 30, 1981, with the addition of the old citations, GeoRef's North American coverage will extend back to 1785, the time of Thomas Jefferson. Typists, using key to tape machines and adding special codes to convert the data to the GeoRef format, will take citations line by line from the *Bibliography and index of North American geology* for the years 1785 through 1960, and from the *Bibliography and index of geology exclusive of North America*, for the years 1933 through 1966. GeoRef's *Bibliography and index of geology* succeeded these publications in 1969.

AGI To Sponsor Science, Engineering Fellowship

The American Geological Institute, in cooperation with the American Association for the Advancement of Science, invites postdoctoral scientists or engineers and professionals in the geologic field to apply for the recently established AGI Congressional Science and Engineering Fellowship. By working for one year, beginning September 1, 1980, as a special legislative assistant on the staff of a member of Congress or congressional committee, the AGI Fellow will have an opportunity to contribute to the public policy-making process within Congress. The program includes an orientation on congressional and executive branch operations and a year-long seminar program on issues involving science and public policy. A prospective Fellow must demonstrate exceptional competence in some area of geology; be cognizant of many non-scientific areas, be flexible, articulate, and have a strong interest or some experience in applying scientific knowledge toward the solution of societal problems. Applicants must be a member of one of AGI's member societies. Stipend is \$19,500 annually. Up to an additional \$1,500 is available for travel and relocation expenses. Deadline for receipt of applications is March 15, 1980. The award recipient will be announced by mid-May. AGI thus joins approximately 20 other professional scientific and engineering societies which sponsor Congressional Science and Engineering Fellows. In addition to sponsoring or cosponsoring Fellows with participating societies, AAAS coordinates the entire program, arranges the orientation and year-long seminar programs, and assists in the selection process. For further details, including application information, write: Dr. A. G. Unklesbay, American Geological Institute, 5205 Leesburg Pike, Falls Church, Virginia 22041.

GEOLOGY LIBRARY

Geoscience Information Society Business Meeting

November 5, 1979
San Diego, Calif.

Julie Bichteler opened the meeting at 2 p.m. and thanked Rosalind Walcott for the program and Nancy Pruett for the local arrangements.

Robert Bier read the Treasurer's report. As of August 8, 1979, the Society had \$5387.04 in its savings account. As of October 15, 1979, the Society has \$2264.49 in its checking account. Expenses were \$1435 greater than income from January 1-October 15, 1979.

The minutes of the 1978 meeting were approved as published in the *GIS Newsletter*.

Committee Reports:

Membership Directory: Regina Brown reported that she was close to printing the directory. She brought a sample from it with her.

Theses: Regina Brown reported for Vivian Hall. The entries will be arranged by author, with title, school, and date, and indexed by geographical coverage, geological information, school, and subject. It may be ready for publishing in 1984.

Syllabus: No report.

Guidebooks: Beatrice Lukens reported that the committee now has 3500 information sheets from libraries with good holdings. They are now cleaning up and reconciling these reports. The previous edition of the *Union list of guidebooks* will probably be sold out in 1980. They therefore hope to publish in 1980. A publisher for this edition has not yet been arranged. Dick Walker brought up the point that previous editions published by AGI did not give much credit to GIS for the work of compilation. He felt that this should be rectified for the next edition.

Open-file Reports: Nancy Pruett reported on the results of the questionnaire circulated to Society members. Most respondents felt that there was a problem, but there was no clear feeling on what should be done. The committee also discussed the problem with two other groups, the Special Libraries Association, Geography and Map Division, Cartographic Users Advisory Committee and the American Association of State Geologists. The committee recommended that the President of GIS write a letter to the USGS supporting increased access to open-file reports. They also recommended that the Open-file Report Committee be continued another year in order to consider solutions to the problem of increased access.

Nominations: Dick Walker reported on the election results: Vice President and President-Elect, Nancy Pruett; Secretary, Caryl Shields; Treasurer, Marie Dvorzak.

Report of the Historian: Hart Phinney brought up the problems we are having with GSA in scheduling programs at the annual meeting. He reminded us that non-active Society records should be forwarded to the archives at the University of Illinois. He also reminded the Executive Board that his two-year trial position as advisor to the Board was up for renewal or termination.

New Business:

Julie welcomed new members. Julie asked Rosalind Walcott to discuss the scheduling problems the Society is having with GSA. In the future, only one half-day session will be allotted to GIS within the regular meeting time. All other GIS sessions must be held in the evening, or before or after the meeting. An alternative would be to hold a session in conjunction with another group or to broaden the scope of a session to attract papers from outside the Society. An informal vote of members present showed preference for a pre-meeting slot.

Dick Walker reported on plans for the Second International Conference on Geological Information. It will be held in May or June 1982. Calgary is a likely location. Society members were more interested in Vancouver, Banff, Ottawa, or Montreal. Dick pointed out that the meeting should be held close to inexpensive housing (a university, perhaps) and in a place where we have members. It was also suggested that it would be a good idea to hold this meeting in a place having libraries or other institutions that attendees might wish to visit. Cornelius Burk has offered to help with the arrangements for the meeting.

Julie reminded members that Executive Board meetings are open to all GIS members.

She read a vacancy announcement for the Association of Geoscientists for International Development. They are looking for someone to set up a library and documentation system and train staff for them in Bolivia.

Julie called for volunteers to work on committees and directed Rosalind to collect the names of the volunteers.

Membership: To conduct a membership drive and to send GIS material to library schools.

Publications: To organize and promote our publications and to communicate with publishers.

Career pamphlet: To write a career pamphlet and handle requests for this type of information.

Dederick Ward, Hart Phinney, and Jean Eaglesfield volunteered to improve and manage the Society's booth at the 1980 GSA meeting in Atlanta.

John Crissinger volunteered to be our liaison with SLA. Arlene Somerville is our liaison with ASIS.

The members present asked the President to send Harriet Wallace a letter wishing her a happy retirement and also congratulating her on her involvement with the profession and with GIS.

Respectfully submitted,
Caryl L. Shields
Secretary, GIS

1980 GIS Committees

Thesis

Vivian Hall (Chairperson)
Unni Rowell
Louise Zipp
Regina Brown
Susan Coniglio

Syllabus

Diane Parker
Arlene Somerville
Susan Klimley

Guidebooks

Bea Lukens (Chairperson)
Claren Kidd
Marie Dvorzak
Marguerite Walsh

Open-file Reports

Claren Kidd (Chairperson)
Nancy Pruett
Pat Sheahan
Mary Scott

Nominations

Julie Bichteler (Chairperson)
Regina Brown
Nancy Thurston

Exhibits/1980/Atlanta

Dedy Ward (Chairperson)
Jean Eaglesfield
Hart Phinney

Membership

Jean Eaglesfield (Chairperson)
Mary Scott
John Crissinger

Publications

Marjorie Wheeler (Chairperson)
Julie Bichteler
Milo Dowden
Dick Walker

Liaison

ASIS: Arlene Somerville
SLA: John Crissinger

GIS Representative on AGI Board

Julie Bichteler

Membership Directory, Directory of Geoscience Libraries (3d ed.)

Regina Brown

GIS members who are also members of the GeoRef Advisory Board

Arleen Somerville
Dedy Ward
Clarence Sturdivant

GIS Representative, Organizing Committee, Second Conference on Geological Information

Dick Walker

Bibliography Of Geology Exhibits Changes In 1980

Changes in the *Bibliography and index of geology* will be implemented with the January 1980 issue:

Additional explanatory material has been added to the *Preface* and at the beginning of the four sections: *Serials*, *Fields of Interest*, *Subject index* and *Author index*. In the *Serials* section the CODEN and/or ISSN, and the volume, issue and date of publication have been added for each serial listed. In the *Fields of interest* section, citation sequence number finders have been added for quick reference from the indexes. Also, the number of references in the source document has been added to each citation. Finally, in the citations of books and other monographs, the page number and illustration information have been changed from before the publisher to after. This is consistent with the sequence of information in the serials citations. GeoRef Information System hopes to expedite publication of each monthly issue by reducing the processing time for citations.

COMSAT To Set Up Pilot Water Information Service

It was recently announced that the U.S. Geological Survey has awarded COMSAT General Corporation, Wash., D.C., a \$2.2 million contract to set up a pilot program for a communications satellite-supported water information service. The pilot program will "test the feasibility of establishing a full-scale system of collecting hydrologic data such as stream stages and water quality from USGS water monitoring stations and, in almost instantaneous fashion, transmitting the data to receiving stations by commercial satellites. The program will start with the installation and operation of automatic hydrologic data sensors at 75 data collection sites in seven states, 20 of which will be located in the New England area (Massachusetts, Vermont, New Hampshire, and Maine); 20 in Pennsylvania and Colorado; and 15 in Arizona. Final site selections will be completed during the first six months of the two-year program. The first transmissions of hydrologic data collected by the sensors will be transmitted to a commercial communication satellite, which will then relay the data via an Earth Receiving Station to a processing facility operated by Environmental Research and Technology, Inc., at Concord, Mass. From there, the processed data will travel via telephone lines to USGS computers at the National Center, Reston, Va. Significant hydrologic data will be made available to the water resources community within minutes from the time data are collected at the 75 sites. Following the pilot program, an analytical study will be made to determine the feasibility of eventually integrating all of the Survey's 9,000 continuous-monitoring hydrologic data collection stations into a satellite data retrieval system. Such a system would replace the present method of manually retrieving data tapes from various monitoring stations at intervals of four to six weeks."

Lawrence Livermore Laboratory To Compile DOE Drilling Data

Lawrence Livermore Laboratory, Livermore, Calif., has begun to compile data on all ongoing and planned drilling funded by the Department of Energy. The information project is part of the proposed interagency Continental Scientific Drilling Program, funded by the Geosciences Program of the Office of Basic Energy Sciences. The Department of Energy funds a variety of research projects that require drilling or the use of drill holes. The purposes range from exploration for energy resources (i.e., oil, gas, uranium, oil shale, coal and geothermal) to basic geological research. Project managers or researchers who have drilled or plan to drill Government-funded holes are requested to furnish such information as location, planned depth and purpose of the hole, as well as a list of the sampling, testing and logging techniques planned. Data may be submitted on a drilling information form or telephoned to Nancy Howard, Project Leader, or Bern Qualheim, Project Geologist. "The initial task will include creating a computerized data base containing information about all DOE-funded holes proposed or drilled deeper than 300 meters or having a special scientific interest. All holes drilled into basement rock are of interest. Drill hole information supplied by the U.S. Geological Survey will also be incorporated. The data base will be continuously updated as proposed holes are actually drilled and as new data from the holes becomes available. In case of joint efforts with private industry, no proprietary data will be entered in the data base." More information about the project may be found in the National Research Council, U.S. Geodynamics Committee's report *Continental Scientific Drilling Program*, 1979, 192 pages (available from Office of Publications, National Academy of Sciences, 2101 Constitution Ave., N.W., Wash., D.C. 20418). Ms. Howard or Mr. Qualheim may be contacted at: University of California, Lawrence Livermore Laboratory, P.O. Box 808 L-222, Livermore, Calif. 94550. Ms. Howard's telephone: 415/422-6491; Mr. Qualheim's: 415/422-1373. (*Editor's note:* Ms. Howard gave a paper "The Continental Drilling for Scientific Purposes Data Management Program at Lawrence Livermore Laboratory" at the 1979 GIS annual meeting in San Diego.)

UGMS To Discontinue Publishing *Utah Geology*

Utah Geological and Mineral Survey will discontinue publication of *Utah geology* with volume 6, number 2, Fall 1979. In the future, short articles on the geology of Utah will appear from time to time in other UGMS publications.

Raymond Jensen Appointed To Technology Transfer Post

Raymond A. Jensen has been appointed to the position of Assistant Director, Technology and Transfer, in the Office of Water Research and Technology, Department of the Interior. In his new post, Jensen will be responsible for technology assessment, technology transfer, and scientific information dissemination programs. He has been Acting Assistant Director, Technology and Information Transfer, since last July. His previous experience includes twelve years as Manager of Water Resources Scientific Information Center of OWRT; Executive Secretary of the National Federation of Science Abstracting and Indexing Services, 1959-1966; and executive positions in the field of science information at the Library of Congress, the Armed Services Technical Information Agency, and the Department of Commerce.

Positions Open

LIBRARIAN. Homestake Mining Company seeks an individual trained in geology and library science to work in our Denver office in support of our planning and analysis information data base.

The position will be responsible to:

- Identify and collect economic and geologic data.
- Maintain information data base.
- Provide secretarial and administrative support.

Please send résumé and salary requirements to:

James Nelson-Moore
Homestake Mining Company
1536 Cole Boulevard
Building 4, Suite 110
Golden, Colorado 80401

LIBRARIAN, HEAD. Montana College of Mineral Science and Technology seeks Head Librarian to administer a collection of 100,000 book volumes and 65,000 maps, staff of five. Person selected will be responsible for the selection of resources, technical processing, supervision of documents and serials, planning for and development of the library and an annual budget of over \$110,000. Must have M.S. in Library Science from an ALA accredited school with either college coursework or library experience in one of the academic areas important to Tech: Mining and mineral industry, engineering science or society and technology. New \$1.4 million facility occupied April 1978. Position open July 1, 1980. Salary and academic rank commensurate with qualifications. Send résumé and names of five references, along with transcripts, to Vice President for Academic Affairs, Montana Tech, Butte, Montana 59701.

An Affirmative Action/Equal Opportunity Employer.

GIS Members In The News

PAUL GRIM, a geophysicist with NOAA's Environmental Data and Information Service, Boulder, was recently awarded a silver medal by the U.S. Department of Commerce for his outstanding contributions in marine geophysical research and data management.

KAY KEENER, formerly Supervisor Librarian, Navy Environmental Support Office, Port Hueneme, Calif., is now with the Naval Weapons Center Technical Library, China Lake, Calif.

JOHN SCHROEDER, Library of Congress, is a member of the Anglo-American Cataloguing Committee for Cartographic Material.

New Members

Annabeth Bearer
Technical Research Analyst
Phillips Petroleum Company
Natural Resources Group Library
439 Frank Phillips Building
Bartlesville, Oklahoma 74004

James A. Coombs
Acting Geology Librarian
Geology Library
University of Illinois at Urbana-Champaign
223 Natural History Building
Urbana 61801

Yvonne Hinks
Head, Gallagher Library of Geology and Geophysics
University of Calgary
Earth Sciences Building 180
Calgary, Alberta, Canada T2N 1N4

Anne Krum
Earth Sciences Librarian
Natrona County Public Library
307 E. 2nd Street
Casper, Wyoming 82601

R. J. McDuff
Supervisor, Office Services
Mobil Oil Corporation
Information Resource Center
Nine Greenway Plaza
Suite 2700
Houston, Texas 77046

Literature Citations

(GIS members in caps)

Brewer, Thomas and Gelpke, Richard. Covering the U.S.: state-wide maps listed. *Geotimes*, vol. 25, no. 1, January 1980, p. 19-25.

Davidson, Robert M. The IEA Coal Data Base—the development of the *Coal thesaurus* and indexing strategy. *Aslib proceedings*, vol. 31, no. 10, October 1979, p. 452-459.

Energy, a classified listing. *Library journal*, vol. 1, January 1, 1980, p. 73-78.

An energy source directory, compiled by Neal-Schuman Publishers, Inc. *Library journal*, vol. 105, no. 1, January 1, 1980, p. 28-72.

Hays, Walter W. Program and plans of the U.S. Geological Survey for producing information needed in national seismic hazards and risk assessment, fiscal years 1980-84. *U.S. Geological Survey. Circular 816*, 1979, 40 p.

MacCafferty, Maxine. A technical information service on coal. *Aslib proceedings*, vol. 31, no. 10, October 1979, p. 445-451.

SNOWBALL, GEORGE J. and Cohen, Martin S. Control of book fund expenditures under an accrual accounting system. *Collection management*, vol. 3, no. 1, Spring 1979, p. 5-20. "Accrual accounting is a system by means of which funds are considered expended at the time of encumbrance irrespective of when invoices are paid. The advantage of this method over cash accounting is that, if commitments have been made (orders placed and funds encumbered), the encumbered funds are regarded as spent and can be accrued, i.e. carried forward on the financial statements into the following fiscal year. The accrual method of accounting, the use of a moving average book price to project workload, and the actions of a committee in monitoring progressive expenditure and encumbrance are all relatively simple concepts that can streamline the work flow within an acquisitions department."

New Publications

(GIS members in caps)

Day, Robert A. *How to write and publish a scientific paper*. Philadelphia, ISI Press, 1979. 160 p. Cloth \$15.00; paper \$8.95. (LC 79-12467).

Directory of scientific directories. 3d ed. Edited by J. Burkett. Edinburgh, Longman Group Ltd., 1979. 600 pages. £30. (ISBN 0582-901502).

Handbook of non-topographic photogrammetry. Editor-in-Chief: H. M. Karara. 1979. 210 pages, 99 illustrations (2 in color). Member of ASP: \$15.00; non-members: \$20.00. Available from: American Society of Photogrammetry, 105 North Virginia Ave., Falls Church, Va. 22046.

Remote sensing of earth resources: a guide to information sources. Ed. by M. Leonard Bryan. Detroit, Gale Research Company, 1979. 188 pages. \$24.00. (Geography and travel information guide series, vol. 1). (ISBN 0-8103-1413-4).

STOWE, CARLTON H. *Utah's oil and gas industry—past, present and future*. May 1979. 1700 pages. \$85.00 plus \$3.50 for mailing in the continental U.S. Available from: Utah Engineering Experiment Station, University of Utah, Salt Lake City 84112.

1979 Financial Report

January 1, 1979 to December 31, 1979
(Audited)

Balance as of December 31, 1978	\$4,829.49
Funds transferred to savings account	4,000.00
Funds transferred to 1980 Treasurer	50.00
	<u>779.49</u>

INCOME			
Dues - Individual	\$2,314.48		
Corporate	275.00		
Newsletter subscriptions	394.00		
Sale of publications	1,190.00		
	<u>4,173.48</u>	\$4,173.48	<u>4,173.48</u>
			<u>4,952.97</u>

EXPENSES			
Newsletter - Printing	1,429.04		
Postage	384.30		
Proceedings - Printing	1,617.00		
Postage	88.25		
AGI dues	335.50		
Travel	301.57		
Misc. postage and supplies	277.45		
Annual Meeting	145.63		
Misc.	161.18		
Thesis Committee	17.11		
Collection Development Comm.	33.72		
	<u>4,790.75</u>	4,790.75	<u>4,790.75</u>
			<u>\$ 162.22</u>

Balance		
Net gain (Loss)	(9617.27)	

SAVINGS ACCOUNT	
Balance as of December 31, 1978	\$1,289.88
Funds transferred to savings account	4,000.00
Interest earned	242.83
	<u>\$5,532.71</u>

Submitted January 14, 1980
Robert A. Bier, Jr.
Treasurer

1980 GIS Officers

PRESIDENT: Rosalind Walcott, Earth and Space Sciences Library, State University of New York at Stony Brook, Stony Brook, New York 11794 (516/246-3616)

PAST PRESIDENT: Julie H. Bichteler, Graduate School of Library Science, The University of Texas at Austin, Box 7576, University Station, Austin, Texas 78712 (512/471-3821)

VICE-PRESIDENT and PRESIDENT-ELECT: Nancy J. Pruett, UCLA Geology-Geophysics Library, 405 Hilgard Avenue, Los Angeles, California 90024 (213/825-1055)

SECRETARY: Caryl L. Shields, U.S. Geological Survey Library, Mail stop 914, Denver Federal Center, Box 25046, Denver, Colorado 80225 (FTS: 234-4133; commercial: 303/234-4133). Please send mail to home address: 510 22nd Street, Boulder, Colorado 80302.

TREASURER: Marie Dvorzak, Winchell Library of Geology, 204 Pillsbury Hall, 310 Pillsbury Drive, S.E., University of Minnesota, Minneapolis 55455 (612/373-4052)

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 \$12.00 per year and is included in the Society's annual membership dues. All correspondence relating to dues, membership status and address changes should be directed to the GIS Secretary.

GIS members are invited to contribute articles or news of general interest to the membership. Please submit all material to the Editor.

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