

GIS newsletter

Published bi-monthly by the Geoscience Information Society
Number 71 ISSN 0046-5801 August 1981

GIS Annual Meeting Cincinnati, November 1-4, 1981

(Please note: Locations for the meetings will be noted in the October issue of the *GIS newsletter*.)

SUNDAY, NOVEMBER 1

1300-1600 GIS Executive Board Meeting (1980-81 Board)

MONDAY, NOVEMBER 2

0900-1200 GIS Business Meeting

1200-1300 GIS Luncheon (See GSA registration form for reservation.)

1400-1600 GIS 1981-82 Executive Board Meeting

1600- Cocktail Party

TUESDAY, NOVEMBER 3

Poster Session: Lillian F. Musich and Peter B. Woodbury (Deep Sea Drilling Project, Scripps Institution of Oceanography). Coordinated Computer Management of Ocean Data.

WEDNESDAY, NOVEMBER 4

Symposium: The Future of the Journal

0800 Introduction (Mary W. Scott)

0810 Edward C. Beutner, Dept. of Geology, Franklin and Marshall College, Lancaster, PA. The Dilemma of Maintaining Holdings in a Small College Geology Library.

0840 Regina A. Brown, Orton Memorial Library of Geology, The Ohio State University, Columbus. Serial Management in a Large Geology Library.

0910 Jean T. Eaglesfield, Lindgren Library, M.I.T., Cambridge, MA. Costs of Journals, Library Networks, Interlibrary Loan, and Copyright.

0940 Coffee Break

1000 Robert L. Goodman, Elsevier Scientific Publishing Company, Bronxville, NY. Journal Publishing in the Geo-sciences: Remarks for a Commercial Publisher.

1030 Julie Bichteler, Graduate School of Library and Information Science, The University of Texas at Austin. New Formats for Geoscience Journals.

1100 Discussion and comments from the floor.

Technical Session: Geoscience Information

(Louise Zipp, presiding)

1300 Miriam L. Sheaves, Geology Library, University of North Carolina, Chapel Hill. A Serials Review Program Based on Journal Use in a Departmental Geology Library.

1315 Leigh M. Van Valen, University of Chicago. Monograph Publication in Historical Geology and Paleontology.

1330 Leigh S. Prater, Battelle Northwest Laboratories. Development of a Library and Information System for the Seasonal Thermal Energy Storage Program.

1345 Anthea Gotto, Geosystems. Omnisaurus - a Multilevel Indexing System for Natural Resources Data.

1400 Julian W. Green, Geological Sciences Library, Harvard University, Cambridge, MA. Geoscience Information for Developing Countries: Books as a Beginning.

Caving Trip

A formal caving field trip at the GIS convention in Cincinnati was impossible to arrange. Insurance transportation, etc., require a much longer lead time than we could provide. However, we can have an informal one following the convention. It will not be connected in any way with the annual convention and transportation will be up to ourselves to provide. I am willing to make arrangements for those who are adventuresome and young-at-heart (it will be somewhat rigorous). The cave I have in mind is the Sloan's Valley Cave in Kentucky. If you are interested or want more information, contact me at the following address: John D. Crissinger, Dept. of Geography, Porter Hall, Ohio University, Athens, OH 45701.

Volunteers Needed For GIS Exhibit Booth

We need volunteers to sit at the GIS exhibit booth at the annual meeting to answer questions about the Society. Full coverage will be needed Monday afternoon and all day Tuesday. During the GIS scheduled events we will have to ask students to cover. Those interested in working at the booth should contact Joanne Lerud, Marathon Oil Company, P.O. Box 269, Littleton, CO 80160.

Remote Sensing To Be Theme Of Pecora VII Symposium

"Remote Sensing: An Input to Geographic Information Systems in the 1980's" will be the theme of the Pecora VII Symposium held in Sioux Falls, SD, October 18-21, 1981. The conference is being sponsored by the Association of American Geographers, the National Council for Geographic Education, and the American Society of Photogrammetry in cooperation with the U.S. Geological Survey and the National Aeronautics and Space Administration. The Pecora Symposia were established in 1975 to foster the exchange of scientific and resource management findings resulting from the use of remotely sensed data. They honor the memory of William T. Pecora, who played a leading role in establishing the Earth Resources Observation Systems (EROS) program and the founding of the EROS Data Center at Sioux Falls, SD. The format of the 1981 symposium consists of a remote sensing workshop, plenary sessions, concurrent paper sessions, and poster paper sessions. The objective of the symposium will be to provide information on the solution of geographic and related problems by use of remote sensing and geobased information systems techniques. The pre-registration fee (by September 28) is \$45.00; the on-site registration fee will be \$55.00. Further information may be obtained from Ms. Patricia J. McWethy, Executive Director, Association of American Geographers, 1710 Sixteenth St., N.W., Washington, DC. 20009.

New Weekly Concerned With Federal Lands

McGraw-Hill has issued a new weekly newsletter concerned with the onshore and offshore development of fuels and nonfuel minerals on Federal lands. The July 20th issue of *Federal lands* contains reports on the drive to open up the West, Alaska and the Outer Continental Shelf to increased energy and mineral development. A sample copy of the publication may be obtained by writing Federal Lands, McGraw-Hill, Inc., 1221 Avenue of the Americas, New York, NY 10020. Subscription rates are \$325/yr. in the U.S. and Canada; \$350 elsewhere (via air mail).

7100 Serials Cited In New GeoRef List

Over 7,191 geoscience-related serials cited in GeoRef from 1967 through June 1981 are included in the new *GeoRef serials list and KWOC index*. The complete title, abbreviated title, CODEN or ISBN number, and country of publication are given for each serial. The *KWOC index* to the list permits one to retrieve a serial title by any significant word in the title, by subject or organization. The publication costs \$80.00 paper edition (unbound, prepunched, 1331 pages) or \$15.00 microfiche (29x, 18 fiche). Orders should be placed with Customer Services, American Geological Institute, 5205 Leesburg Pike, Falls Church, VA 22041.

New NSF Office Focuses On Scientific Ocean Drilling

The National Science Foundation has established an Office of Scientific Ocean Drilling to focus on new efforts in the ocean sciences. The NSF's Division of Ocean Drilling Programs has been transferred to the new Office and the structure of the Division will be determined soon. Dr. John B. Slaughter, NSF Director, reports new initiatives in scientific ocean drilling are at a stage in their development to require more attention from his office. The move is intended "to provide a focus for that attention during the earlier planning phases of the Ocean Margin Drilling program (OMD)." The OMD is a new government-university-industry program for the geologic study of the world's ocean margins. Its cost will be shared equally between the government and industry. The new Office of Scientific Ocean Drilling will be directed by Dr. Allen M. Shinn, formerly the Director's Senior Science Associate.

Volcano News Serves As Information Exchange

Volcano news is a bimonthly newsletter devoted to the exchange of information and ideas concerning volcanism. The publication aims to publish virtually anything related to volcanism except research articles and reports that would appropriately appear in scientific journals and eruption bulletins. It contains comments, opinions, short observations, reviews of new publications, requests and other news related to volcanoes and the people who study them. Of special interest is photographic reports of little-studied volcanoes. These serve to supplement the descriptions in the *Catalogue of active volcanoes*. The first issue of the newsletter was published in October 1979. A recent issue features "Radar Views of Indonesian Volcanoes." ("Indonesia has a greater concentration of major volcanoes (2.5/100 km arc length) than any other country on Earth, and yet only a few of these volcanoes are well-known.") The editor of *Volcano news* is Charles A. Wood. The subscription price is \$7.00/yr. for the U.S., Canada, and Mexico; \$11.00 for airmail delivery overseas. Orders may be sent to *Volcano News*, 320 E. Shore Drive, Kemah, TX 77565.

AGI Will Publish Earth Science

Beginning with the Summer 1981 issue, *Earth science*, a quarterly magazine for amateur geologists, will be published by the American Geological Institute. The magazine was founded in 1947 by Robert B. Berry, an Omaha naturalist, and was most recently published by Richard Pearl, retired Professor of Geology, Colorado College. Dr. Pearl advertized the quarterly as "The only educational magazine of popular geology on earth." There were 4,000 subscribers at the time of Pearl's death in November 1980. Ms. Pearl, co-editor, then offered the magazine to AGI under condition that the Institute

continue publication. Wendell Cochran, editor of *Geotimes*, has been named editor of the publication. According to Cochran, the publication will continue its past editorial philosophy to inform readers "how the earth sciences affect the way we live." The Summer issue will include articles on recent volcanism, forensic geology, and strategic minerals and a lead article giving a geologist's view of the national parks. The magazine will review recent books on geology for amateur geologists, as well as popular books with geological emphasis such as *Basin and range* by John McPhee. Among regular contributors will be M. Dane Picard, Professor of Geology, University of Utah. Dr. Picard will close each issue with a column called 'One Geologist's Earth.'

New Publications

The environmentalist. Quarterly. Volume 1, June 1981. Subscription price: SFrs. 140 (approx. US \$80.00). Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Swit.

Field guides to geology and mineral deposits, Calgary '81 annual meeting. Edited by R.I. Thompson and D.G. Cook. \$30.00 plus \$5.00 for mailing. Make checks payable to The University of Calgary, Calgary '81 GAC/MAC/CGU. Order from: Dept. of Geology and Geophysics, The University of Calgary, Calgary, Alta. T2N 1N4.

Ice atlas: Canadian Arctic waterways, by W. E. Markham. 1981. 50cm x 31.5cm. \$120.00. (Cat. no. EN 56-54-1981; 11129904). Orders must be prepaid by postal money order or check made out to the order of the Receiver General for Canada and addressed to the Canadian Government Publishing Centre, Hull, Quebec K1A 0S9. Add 20% to the price if shipped outside Canada.

Lake Superior field trip, May 21-24, 1981. This guidebook for the field trip held in conjunction with the International Proterozoic Symposium, Madison, WI, is available for \$8.00 prepaid to the University of Wisconsin Foundation. A limited number of copies are still available. Send orders to: Nancy Crossfield, Lake Superior Guidebook, 440 Lewis Weeks Hall, Madison 53706.

Mount St. Helens and volcanic action, a computerized bibliography, by Prof. G. W. Brown, College of Fisheries, University of Washington, Seattle. 1981. "Documentation of the May 18, 1980 eruption of Mount St. Helens, its prelude and aftermath, and related phenomena. Over 350 citations with key words, brief annotations, and a subject index." Printout copy is \$20.00 (Washington residents add 5.4% (\$1.08) sales tax; foreign, \$25.00. Postage is included. Order from: Tectonics Productions, Tiburon Co., P.O. Box 135, Edmonds, WA 98020.

Western mining directory, 1981-82 edition. \$23.00, includes postage and handling. Mail orders to: Western Mining Directory, 311 Steele St., Denver, CO 80206. This 250-paged book pinpoints 873 active mines and oil shale projects and 1,313 mining companies. It gives the names, phone numbers and mailing addresses for all mining-related industries.

Word has been received that the following publication is still available: *Bibliography of Jamaican geology*, edited by Marion Kinghorn, 1977, \$5.50 (U.S.), publication no. AV-152. Orders may be mailed to: Librarian, Geological Survey Dept. of Jamaica, P.O. Box 141, 189, 191, Hope Gardens, Kingston 6, Jamaica.

News Items

We have learned of the passing of GIS member DR. S. SAMBE GOWDA, who was associated with the Dept. of Geology, Bangalore University, Bangalore, India. We extend our sympathy to his family.

ROY W. GRAVES, Interim Director, Information Services Division, The University of Tulsa, is planning to retire. Dr. Graves has served for a number of years as geoscience supervisor for the Petroleum Abstracts Information System and was president of GIS.

DONA DIRLAM is one of the editors of the new journal *Gems and gemology*.

JANIE NELSON is associated with the U.S. Geological Survey's Water Resources Division Library, P.O. Box 26655, Albuquerque, NM 87125 (telephone: 505/766-2810).

RUTH SOBANSKI's new work address is Union Carbide Corporation, Parma Technical Center, 12900 Snow Road, Parma, OH (telephone: 216/676-2000).

DEPCO, INC., Denver, GIS corporate member, has named KATHLEEN J. LARKIN, Librarian, to be its new GIS representative.

BARBARA MACDONALD is now associated with The Maxima Corp., 200 Union Blvd., Suite 317, Denver, CO 80228 (telephone: 303/989-1921).

ALAN D. POWELL, Librarian, Elf Aquitaine Oil and Gas, reports that his company has moved to One Memorial City Plaza, Suite 1200, 800 Gessner, Houston, TX 77024 (telephone: 713/827-9895).

CARLTON H. STOWE has been elected President, Director and Chief Operating Officer of Rocky Mountain Natural Resources Corporation, Salt Lake City.

Literature Citations

(GIS members in caps)

ANSARI, MARY B. County Place-Name Project for Nevada. *Western Association of Map Libraries. Information bulletin*, vol. 12, no. 3, June 1981, p. 313-331.

Bibliography of abandoned coal-mine lands in Oklahoma. Compiled by Kenneth S. Johnson, CLAREN M. KIDD and Rachel C. Butler. *Oklahoma Geological Survey. Special publication* 81-2, 1981, 84 p.

Dillon, Martin. Serving the information needs of scientific research. *Special libraries*, vol. 72, no. 3, July 1981, p. 215-223.

Doveton, John H. and Cable, Harold W. KOALA: Kansas On-line Automated Log Analysis System, abecedarium and flight manual. *Kansas. Geological Survey. Petrophysical series* 2, 1980, 190 p.

New Members

Bibliothek der Bundesanstalt
für Geowissenschaften und Rohstoffe
Postfach 51 01 53
3000 Hannover 51
Federal Republic of Germany

Columbia University
Library Service Library
606 Butler Library
New York, NY 10027

Margaret Eva
Librarian-in-charge, Geology Library
The University of Queensland
St. Lucia, Queensland, Australia 4067

Judy Gerber
Chief Librarian, Johns Manville Sales Corporation,
Research and Development Information Center
P.O. Box 5108
Denver, CO 80111
303/978-5471)

Jan Bailey McCauley
Research Assistant/Librarian/Information Specialist
Marshall Exploration, Inc.
P.O. Box 1689
Marshall, TX 75670
214/938-6641

June McFarland
Senior Editor, American Association of
Petroleum Geologists
Box 979
Tulsa, OK 74101

Jim O'Donnell
Acting Head, Geology-Geophysics Library
University of California at Los Angeles
405 Hilgard Avenue
Los Angeles, CA 90024
213/825-1055)

Barbara C. Pearson
Research Librarian, Exxon Production Research
Company
P.O. Box 2189
Houston, TX 77001
713/965-4541

Elizabeth A. Russell
Records Technician, MOEPSI Library
Mobil Oil Exploration and Producing Southeast, Inc.
Room 1447, 1250 Poydras Building
New Orleans, LA 70113
504/566-5598

Elizabeth Kelley Smith
Science Reference Librarian, University of Texas -
Permian Basin
Odessa, TX 79762
915/367-2188

U.S. Geological Survey Library
Mail stop 914, Box 25046, Federal Center
Denver, CO 80225

U.S. Geological Survey Library
345 Middlefield Drive, Mail stop 55
Menlo Park, CA 94025

S. Raman Venkataraman
Reference Librarian
Science Division/Main Library
University of British Columbia
1956 Main Mall
Vancouver, B.C., Canada V6T 1Y3
604/228-4363

Bilha Wieczner
NL Baroid/NL Industries, Inc.
P.O. Box 1675
Houston, TX 77001
713/527-1282

1981 GIS Officers

PRESIDENT: Nancy J. Pruett, 3144 Technical Library,
Sandia National Laboratories, Albuquerque, New Mexico
87185 (505/844-6430). Home: 1604 California Street, N.E.,
Albuquerque, NM 87110 (505/268-2946).

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

VICE-PRESIDENT and PRESIDENT-ELECT: Mary W.
Scott, Bibliography Department, Chester Fritz Library,
University of North Dakota, Grand Forks, North Dakota
58202 (701/777-4638 or 777-2617)

SECRETARY: Nancy J. Crossfield, Geology-Geophysics
Library, University of Wisconsin-Madison, 430 Weeks
Hall, Madison, Wisconsin 53706 (608/262-8956)

TREASURER: Marie Dvorzak, Winchell Library of
Geology, 204 Pillsbury Hall, 310 Pillsbury Drive, S.E.,
University of Minnesota, Minneapolis 55455
(612/1373-4052)

The *GIS newsletter* is published bi-monthly on the first of
February, April, June, August, October and December by
the Geoscience Information Society. Subscription to the
Newsletter is \$20.00 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, by the first of the month, one month
prior to publication.

Editor: Regina Brown
Librarian, Orton Memorial Library of Geology
The Ohio State University
155 South Oval Drive
Columbus, Ohio 43210
614/422-2428