

# GIS newsletter

Published bi-monthly by the Geoscience Information Society  
Number 77 ISSN 0046-5801 August 1982

## Two Map Conferences Scheduled For October

"The Utilization of Automated and Conventional Methods in Surveying, Mapping, and Map Data Applications" is the theme of a conference to be held in Rolla, MO on October 13-15. It is sponsored jointly by the Rolla chapters of the American Congress on Surveying and Mapping and the American Society of Photogrammetry. The program will consist of concurrent seminars and demonstration workshops, a poster session, commercial exhibits, and tours of the U.S. Geological Survey Mid-Continent Mapping Center and the Missouri Dept. of Natural Resources. For more information, contact Gary W. McKeown, Coordinator, ASCM-ASP Symposium, 1400 Independence Road, Mail Stop 601, Rolla 65401, telephone: 314/341-0928.

On October 21-24 in Washington, DC, the North American Cartographic Information Society will sponsor, with the newly-formed International Map Dealers Association, the second annual NACIS meeting. Featured speakers on the program are Rupert Southard, Chief, USGS' National Mapping Program, and William Radlinski, former Executive Director and now COMPASS Executive Manager of the American Congress on Surveying and Mapping. Commercial and government agencies will be represented in technical sessions, tours and exhibits. Additional information about the meeting is available from Christine Reinhard, 143 Science Hall, Madison, WI 53706 or Don Daidone, Newman Library, Virginia Polytechnic Institute and State University, Blacksburg 24061.

## Online Conference To Feature Four Geoscience Presentations

Speakers at Online '82, the annual three day conference and exposition for users of online databases, will cover new developments in online information for the geosciences, plus special uses and characteristics of several databases in geology, paleontology, petroleum, mineral resources and geophysics. The conference, to be held November 1, 2 and 3 in Atlanta, draws some 1200 attendees and includes over 60 exhibitors from database producers and online systems.

The Geosciences session, on Wednesday, October 3, was organized by Richard Walker of the University of Wisconsin. He will act as moderator for the program in which both bibliographic and numeric source databases will be covered. Speakers and their presentations: Janis Mattinson, University of Tulsa, *The Geology in Petroleum Abstracts*; Joanne Lerud, Marathon Oil Company, Littleton, CO, *Using Geographic Coordinates to Search Geoscience Databases Online*; Ghassan Rassam, American Geological Institute, Falls Church, VA,

*International Cooperation in Geophysical Documentation*; and Donald McIntyre, Pomona College, *Teaching Geology Online*. Other conference sessions of potential interest to geoscientists include Applications of Microcomputers in Online Database Searching (e.g., the downloading of geoscience data for subsequent reformatting and/or numeric manipulation); Searching Patent Databases (e.g., new equipment and techniques for geologic exploration and research); Database Creation (e.g., in-house, private files of geologic data); Online Chemistry Searching.

Online '82 is sponsored by Online, Inc., publisher of *Online* and *Database* magazines. The conference will be held in the Atlanta Hilton. Special hotel rates, discounts for early registration, air fare and car rental will be offered. Advance programs are available from Online, Inc., 11 Tannery Lane, Weston, CT 06883, telephone: 203/227-8466.

## SLA's Geography/Map Division Issues Call For 1983 Papers

*Removing Information Barriers* is the theme of the Special Libraries Association, Geography and Map Division's annual conference to be held in New Orleans June 4-9, 1983. The Division has issued a call for papers on the following topics: (1) Removal of the information barriers which one faces in providing geographic, geologic, and cartographic information; (2) Geographic distributions in the New Orleans area, the Lower Mississippi River Valley, and the Gulf Coast region, especially as they relate to anthropological, architectural, historical, economic, geologic, biological, or sociological factors. Those interested in giving a presentation should submit a one page abstract no later than October 1 to: Marsha L. Selmer, 1983 SLA G&M Program Planner, University of Illinois at Chicago, The Library - Map Section, P.O. Box 8198, Chicago, IL 60680, telephone: 312/996-5277.

## Geological Society Of America Annual Meeting Schedule

1982 October 18-21	New Orleans
1983 October 31-November 3	Indianapolis
1984 November 5-8	Reno
1985 October 14-17	Boston
1986 November 10-13	San Antonio
1987 October 26-29	Phoenix
1988 October 31-November 3	Denver

DON'T FORGET . . . the 1982 GIS Annual Meeting is scheduled for New Orleans October 17-20. The preregistration deadline is September 17. We hope to see many GIS members there!

## Roskill Publishes New Directory For Metals And Minerals Data

The fifth edition of *Roskill's Directory of sources for metals and minerals data* has just been published. This new 1982 edition "includes over 550 sources of statistical information on many aspects of the metals and minerals industry, including production, consumption, world trade, supply and demand patterns, prices and end-uses. Divided into four sections, it covers the main international sources, 70 individual metals and minerals, 86 individual countries, and other important sources of statistics. Each source listing gives the complete title of the publication, the address from which it can be obtained, the years covered by the statistical tables, the frequency of publication, and a full synopsis of the contents. Also included is a guide to the pitfalls in using metals and minerals statistics and a table showing the metals and minerals covered by 28 leading international sources." The publication is available for DM 80/\$40/£15 UK from Roskill Information Services Limited, 2 Clapham Road, London SW9 0JA, England.

## News Items

*Water resources review*, published by the U.S. Geological Survey and Canada Dept. of the Environment, Water Resources Branch, has a new title, as of July 1982: *National water conditions*.

Several GIS members have new positions: MONICA ENGLE is with the Ft. Lewis College Library, Durango, CO 81301, telephone: 303/247-7914; R.J. GOSSETT, Armco Inc.-MRD, 28th St. and Charles Ave., Dunbar, WV 25064, 304/768-8682; and JIM O'DONNELL, Trinity University Library, Reference Dept., 715 Stadium Drive, San Antonio 78284, 512/736-7213.

## New Publications

*English language and usage in geology: a personal compilation*, by Dorothy H. Rayner. *Leeds Geological Association. Transactions*. Special issue, 1982, 30 p. £1.50 (US \$3.00) postfree, payable in advance. Available from: The Secretary, Leeds Geological Association, Dept. of Earth Sciences, The University, Leeds LS2 9JT, England.

*Environmental data use in computer-assisted data handling systems: the results of a survey of applications in the Pacific Northwest states*, by Kenneth E. Gordon. 1981, (*Occasional paper* no. 15.) \$8.50. Center for Pacific Northwest Studies, Western Washington University, Bellingham 98225.

*Hydrogeologic atlas of the People's Republic of China plus Legends for hydrogeologic atlas of the People's Republic of China*. (Written in Chinese and accompanied by an English *Legend*.) Edited by The Institute of Hydrogeology and Engineering Geology, State Bureau of Geology, the People's Republic of China. New York, Academic Press, 1982. Price for the set: \$150.00. (ISBN 0-12-041250-0)

"This authoritative atlas features the first comprehensive hydrogeologic survey of China and is based on more than 20 years of research. There are 68

color maps illustrating China's hydrogeologic structures and underground water resources, hydrogeologic profiles and special diagrammatic illustrations. The 28-page bound *Legend* written in English facilitates quick and easy cross-reference." The *Atlas* is the result of research of 39 organizations, including the geologic bureaus and departments of all 29 provinces, the Institute of Geology of the Chinese Academy of Geologic Sciences, the Shenyang Institute of Geology and Mining of the State Bureau of Geology, the Institute of Hydrogeology and Engineering Geology of the State Bureau of Geology and the Department of Geology of Nanjing University.

*International journal of soil dynamics and earthquake engineering*. Quarterly. Vol. 1, no. 1, 1982. \$126.00 includes postage and handling. (Title no. 386; ISSN 0261-7277). Springer-Verlag New York Inc., Journal Fulfillment Services, Dept. J2560, P.O. Box 2485, Secaucus, NJ 07094.

*Lexicon of Canadian stratigraphy. Volume II: Yukon-Mackenzie*. Edited by L.V. Hills et al. 1981. 240 p. Can. \$22.00 hard cover; \$20.00 soft cover. (Includes handling and mailing to any address in the world.) ISBN 0-920230-13x. Send money with order to: Stacs Record Centre Ltd., 3651 - 23rd Street N.E., Calgary, Alberta T2E 6T2, Canada.

"This second volume published by the Canadian Society of Petroleum Geologists covers the western half of Canada's mainland territories. The 60 contributing geologists compiled descriptions of more than 450 stratigraphic units ranging from the Archean to Tertiary. More than 700 references support the text."

*Northeastern environmental science*. Vol. 1, no. 1, 1982. Quarterly. Annual subscription rates: Companies, \$24.00; individuals and non-profit institutions, \$19.00; students (with ID), \$15.00. Single issues are \$6.00. Order from: Northeastern Science Foundation, P.O. Box 746, Troy, NY 12181.

"This new journal addresses the natural resources and environmental health concerns of the northeastern United States and Canada. Aimed at scientists, scholars, and decision-makers, the journal will include technical papers, book reviews, and special-topic writings. The first issue discusses hazardous waste contamination of rivers and groundwater; the second, energy development in the Northeast."

*Perspectives in regional geological synthesis: planning for The geology of North America*. Edited by A.R. Palmer. (*The Decade of North American Geology. Special publication* 1). 1982. 176 p., 8 1/2 x 11 in., bound in leatherette cover. \$7.50. (ISBN 0-8137-5201-9). Publication Sales, Geological Society of America, P.O. Box 9140, Boulder, CO 80301.

*The World geo guide*. 1981. 280 p. \$US 49.50 (includes delivery charges). Published by BYGGINFO, Stockholm; U.S. representative: Joseph J. Hicks, 465 Summit Springs Road, Woodside, CA 94062.

The initial volume of this series was published to coincide with the Tenth International Conference on Soil Mechanics and Foundation Engineering in Stockholm. This directory for the geotechnical industry lists consultants, contractors, and equipment manufacturers. It contains a national index, lists of companies, technical journals and publications, and research and documentation centers.

## New Members

The Geoscience Information Society would like to take this opportunity to extend a special thank you to Esso Australia, Ltd., based in Sydney, for becoming the first GIS Sustaining Member. The corporation renewed its annual membership by contributing \$100 to the Society. We greatly appreciate such support.

Alaska Resources Library  
Dept. of the Interior 113709  
701 C Street, Box 36  
Anchorage, AK 99513  
907/271-5025  
(Catherine S. Vitale, Interlibrary  
Loan/Reference Librarian)

Gail Ashton  
Administrative Assistant  
Chevron Resources Company  
P.O. Box 7147  
San Francisco, CA 94120-7147  
415/894-9697

A.R. Berger  
Editor, *Episodes*  
601 Booth Street, Room 177  
Ottawa, Ontario K1A 0E8 Canada  
613/995-4927

Nancy L. Blair  
U.S. Geological Survey Library  
345 Middlefield Road  
Menlo Park, CA 94025  
415/323-8111, ext. 2208

Jane Bonn  
Reference Librarian  
U.S. Geological Survey Library  
Mail Stop 914, Box 25046  
Federal Center  
Denver, CO 80225  
303/234-4133

Robert E. Boyer  
Professor, Geological Sciences  
University of Texas, Austin  
University Station, Box X  
Austin, TX 78712  
512/471-5192  
Also associated with  
Earth Enterprises, Inc.  
P.O. Box 672  
Austin, TX 78767  
512/345-3007

A. Mila N. Brunner  
Senior Information Services  
Assistant  
Shell Oil Company,  
Woodcreek Library  
P.O. Box 4423  
Houston, TX 77210  
713/870-2082

Estella Castillo  
Union Oil Center  
P.O. Box 54945  
Los Angeles, CA 90054  
213/977-7265

Charter Consolidated PLC  
Charter House  
Park Street  
Ashford, Kent TN24 8EQ, England  
0233-25700  
(D. Holloway, Data Retrieval Unit)

George H. Cockburn  
Director, Service du Potentiel  
Minéral  
Gouvernement du Québec  
Ministère de l'Énergie et des  
Ressources  
Secteur des Mines  
1620, Boulevard de l'Entente Ch. 404  
Québec, Québec G1S 4N6, Canada  
418/643-8167

Conoco, Denver West Exploration  
P.O. Box 1219  
Golden, CO 80402  
303/232-0727  
(Marianne L. Faber, Librarian)

Susan Crozier-Parkinson  
Senior Librarian  
Gulf Canada Limited  
P.O. Box 130  
401-9th Avenue S.W.  
Calgary, Alberta T2P 2H7, Canada  
403/233-3804

Elsie E. Ellwood  
Librarian  
Petroleum Corporation of Jamaica  
P.O. Box 579  
Kingston 10, Jamaica, West Indies  
809/922-9670/5,  
Telex 2356 Petcorp JA

Robert Felix  
Dept. of Soil Science and Geology  
Agricultural University  
P.O. Box 37  
6700 AA Wageningen, Netherlands  
08370-82421

Getty Mining Company  
P.O. Box 7900  
Salt Lake City, UT 84107  
801/263-3850  
(Elaine Kruelski, Records  
Specialist/Librarian)

Margaret M. Handrow  
Assistant Reference Librarian  
Dick Smith Library  
Tarleton State University  
Stephenville, TX 76402  
817/968-9249

Sarah E. How  
Head, Geology/Geophysics Library  
University of California, Los Angeles  
4697 Geology Building  
Los Angeles, CA 90024  
213/825-1055

Gino Irdi  
2506 Brinton Manor Drive, Apt. 9-206  
Pittsburgh, PA 15221

Donald H. Lokke  
Richland College  
12800 Abrams Road  
Dallas, TX 75243  
214/746-4573 or 4548

Joseph MacGillivray  
Information Geologist  
Alberta Research Council  
Alberta Geological Survey  
3rd Floor, Terrace Plaza  
4445 Calgary Trail South  
Edmonton, Alberta T6H 5R7, Canada  
403/438-0555

Amanda R. Masterson  
University of Texas, Austin  
Bureau of Economic Geology  
University Station, Box X  
Austin, TX 78712  
512/471-1534 or 7721

Rosanna Miller  
Head, Map Collection  
Arizona State University Library  
Tempe, AZ 85287  
602/965-3582

Melody M. Morningstar  
Information Resource Coordinator  
Mobil Producing Texas and  
New Mexico  
9 Greenway Plaza, Suite 2700  
Houston, TX 77046  
713/871-5621

Jack D. Mount  
Student, Rutgers University  
Library School  
Home address: 898 Davidson Road  
Piscataway, NJ 08854

Bonnie A. Phillips  
Data Resources Coordinator  
Union Texas Petroleum  
P.O. Box 2120  
Houston, TX 77001  
713/960-6969

Leslie J. Pieri  
Planetary Research Library  
Jet Propulsion Laboratory  
4800 Oak Grove Drive  
Mail Stop 264-115  
Pasadena, CA 91109  
213/354-3343

Patricia E. Price  
Librarian  
Hawaii Institute of Geophysics  
University of Hawaii  
2525 Correa Road, Room 252  
Honolulu, Hawaii 96822  
808/948-7040

Janet K. Rudd  
Information Manager  
McClelland Engineers  
5450 Raiston Street  
Ventura, CA 93003  
805/644-5535

Gail Sorrough  
Geology Librarian  
Bechtel Civil and Minerals, Inc.  
Box 3965  
San Francisco, CA 94119  
415/768-5353

Fred G. Stair  
Cities Service ERG Research Library  
P.O. Box 3908  
Tulsa, OK 74102  
918/561-5269

Elizabeth Watson  
Librarian  
Teck Mining Group Ltd.  
1199 West Hastings Street  
Vancouver, BC V6E 2K5, Canada  
604/687-1117

Helen P. Withers  
Chief, Geologic Inquiries Group  
U.S. Geological Survey  
Mail Stop 907  
Reston, VA 22092  
703/860-651

Elizabeth Ann Ybarra  
Librarian  
Exxon Minerals Company  
Minerals Division  
750 West Hampden Avenue  
Denver, CO 80227  
303/789-7543

## Literature Citations

(GIS members in caps)

Armstrong, Marc P. Illinois Streams Information System. *Illinois mapnotes*, issue no. 3, June 1982, p. 6-7.

Geologic names of the United States - search and retrieval. *The Cross section* (U.S. Geological Survey, Geologic Division), vol. 13, no. 2, February 1982, p. 16-19.

Graziani, Mary E. Geographic research in the U.S. Geological Survey: bibliography - 1966-1980. *U.S. Geological Survey. Circular* 865, 1982, 59 p.

"This bibliography was compiled to provide a record of geographic research, particularly research utilizing remote sensed data, undertaken in the Geological Survey from 1966 through 1980."

Harris, Kenneth L. et al. Computer management of geologic and petroleum data at the North Dakota Geological Survey. *North Dakota. Geological Survey. Report of investigations* 74, 1982, 34 p.

Hasan, Syed E. and West, Terry R. Development of an environmental geology data base for land use planning. *Association of Engineering Geologists. Bulletin*, vol. 19, no. 2, May 1982, p. 117-132.

LERUD, JOANNE. Lexicon of stratigraphic names of North Dakota. North Dakota. Geological Survey. Report of investigations 71, 1982, 139 p.

Lisle, Lorance Dix. Annotated bibliography of sea level changes along the Atlantic and Gulf Coasts of North America. *Shore and beach*, vol. 50, no. 3, July 1982, p. 24-33.

Mercer, Maria W. and Morgan, Charles O. Storage and retrieval of ground-water data at the U.S. Geological Survey. *U.S. Geological Survey. Circular* 856, 1982, 9 p.

Peebles, Christopher S. et al. Notes from underground: archaeological data management from excavation to curation. *Curator*, vol. 24, no. 4, December 1981, p. 225-251.

## 1982 GIS Officers

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

PAST 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).

VICE-PRESIDENT and PRESIDENT-ELECT: Regina Brown, Orton Memorial Library of Geology, The Ohio State University, 155 South Oval Drive, Columbus, Ohio 43210 (614/422-2428)

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

TREASURER: Beatrice Lukens, Earth Sciences Library, University of California, Berkeley, Berkeley, California 94720 (415/642-2997)

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 \$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