

7.6
I
78
0.53

GIS newsletter

Published bi-monthly by the Geoscience Information Society
Number 53 ISSN 0046-5801 August 1978

Recap of GIS Annual Meeting Activities

(Details in June 1978 issue of *GIS newsletter*)

Sunday, October 22 - *1978 Executive Board Meeting*

Monday, October 23 - *Symposium: Geoscience Publication—Problems and Prospects. GIS Cocktails (cash bar)*

Tuesday, October 24 - *Luncheon, Ed's Warehouse Business Meeting, followed by 1979 Executive Board Meeting.*

Wednesday, October 25 - *Field Trip.*

Thursday, October 26 - *Contributed Papers Session. Symposium: Geological Information—Problems in Transfer from Scientist to Policy Maker.*

AGI Awards Informatics, Inc. Contract For Networking Study

The American Geological Institute has awarded Informatics, Inc., Los Angeles, a subcontract for the purpose of jointly undertaking a study funded by the National Science Foundation. The study, entitled "Designing an Experimental Cooperative Network for Sharing Information and Data Resources in Geology," will place emphasis "not only on testing a number of technical networking concepts, but also on the organization and economic problems that are likely to be encountered by institutions which are undertaking a cooperative venture of this kind. Informatics Inc.'s Information Programs Division will be responsible for the technical elements of design and testing and will prepare the final evaluation report and technical recommendations. The project will help NSF learn if new information and communication developments, primarily used on a large scale, national level, can be applied just as effectively for improving information and data exchange within small specialized research

communities, specifically state geological surveys. Five states, North Dakota, Iowa, Utah, Minnesota, and Alabama, have volunteered to work with AGI and Informatics on this study. They will provide a representative working environment where Informatics and AGI can discover the economic and organizational barriers that might exist, and explore ways to apply networking techniques.

The results of this study will have many implications for planning and development of networks for small technologically-oriented organizations. Short range, it will demonstrate the effects of applying modern information and communication technology to meet a complex array of user needs. Long range, if networking proves successful, the study could produce considerable incentive for broader commercial development of networking technology and information products and services. In addition, the project will most assuredly expand the "information consciousness" of state geologists and make them more aware of the information technologies that can make research sharing possible. Beyond that, national interests in the areas of energy resources and environmental impacts will be served when geological information systems are improved."

Ky. Library Assn. To Sponsor Workshop On Grant Writing

Kentucky Library Association's Professional Development Committee is sponsoring "The Fine Art of Grant Writing," a pre-conference workshop to be held September 27-28, 1978, in Louisville. The registration fee of \$25.00 includes a luncheon on September 27 and workshop materials. The sessions are designed for school, academic, public and special librarians. The workshop will "provide special instruction in proposal writing, practice in proposal preparation, increase awareness of funding sources, develop skills in reading program announcements and Requests for Proposals (RFP), and identify skills necessary for contacting private and public funding sources." Instructors are William F. Schweri, Staff Associate in the Kentucky Research Foundation, Proposal and Development Division; GIS member Vivian Hall, University of Kentucky Geology Librarian; and Ruth Brown, Associate Director, University of Kentucky Libraries. Ms. Hall and Ms. Brown recently coauthored two articles on proposal writing. Attendees will receive one Continuing Education Unit awarded by the University of Kentucky. Certificates from the College of Library Science, University of Kentucky, will be issued. Registration deadline is September 7. Further information may be obtained from Ms. Martha Rush, Librarian, University of Louisville Law Library, Belknap Campus, Louisville 40202 (telephone 502/588-6392).

GETTY

Mineralogical Soc., IMM To Publish Major Work On Mineral Deposits

The Mineralogical Society and the Institution of Mining and Metallurgy will issue in the Fall of 1978 the first volume of a five-volume major work *The mineral deposits of Europe*. Volume one (*Northern Europe*) will contain approximately 350 pages, with 150 illustrations. It may be obtained at a special pre-publication price if ordered before October 1, 1978: £20.00 (U.S. \$40.00) for members of IMM and/or Mineralogical Society; £25.00 (U.S. \$55.00) for non-members. After October 1, the prices will be £25.00 (U.S. \$55.00) for members and £30.00 (U.S. \$66.00) for non-members. Volume two (*Southeastern Europe*) is now being edited and is expected to be published in 1979. Volumes three through five will be entitled *Central Europe* (Federal Republic of Germany, German Democratic Republic, Austria, Switzerland, Czechoslovakia, Netherlands, Belgium and Poland); *Southwestern Europe* (France, Spain, Portugal and Italy); and *Eastern Europe* (European Russia to the Urals and Turkey). The volumes contain "concise, comprehensive descriptions of the geology and mineralogy of European mineral deposits, country by country, in their national and European geotectonic-metallogenic settings. Each national chapter is written by a leading authority or authorities on that nation's mineral deposits." Further information may be obtained from: The Secretary, The Institution of Mining and Metallurgy, 44 Portland Place, London W1N 4BR (or) The Publications Manager, The Mineralogical Society, 41 Queen's Gate, London SW7.

USGS' Water Supply Papers Now Available On Microfilm

Brookhaven Press, Washington, D. C., has announced the availability of a microfilm edition of the first fifty years of the U. S. Geological Survey's *Water supply papers*. It has filmed the reports, maps, charts and other foldouts comprising numbers 1-1200, issued between 1896 and 1951, on 35mm positive or negative microfilm, silver halide, at a reduction of approximately 15X to the standards established by the Library of Congress. Individual reels are available; portions of reels are not. "The *Water supply papers* are the only consistent chronological record of water supply investigations, technique development, and test results applicable to the entire United States. They are essential to all researchers in the fields of surface and underground hydrology for precedence factors, instruction, and guidance. Among topics covered are pumping, irrigation, sewage, underground waters, seepage water, wells, water rights, water resources, ground water, surface water supplies, sediment, drainage, underground aquifers, stream run-offs, percolation permeabilities, and artificial water-recharge." The entire set of *Water supply papers* is priced at \$3900.00 (35mm positive microfilm) and \$4290.00 (negative microfilm). A detailed, twenty-five page listing of the reports will be sent to interested parties upon request to: Brookhaven Press, 901 26th Street NW, Washington, D. C. 20037.

New Zealand DSIR Issues Antarctic Research Bibli.

New Zealand Department of Scientific and Industrial Research's Antarctic Division has published a bibliography listing publications resulting from work carried out with the New Zealand Antarctic Research Programme. Supplements are issued annually. The bibliography plus three supplements may be ordered free of charge from: The Librarian, Antarctic Division, DSIR, P. O. Box 2210, Christchurch, New Zealand.

Literature Citations

(GIS members are in caps)

A directory of societies in earth science. *Geotimes*, vol. 23, no. 8, August 1978, p. 19-26.

Fast, Stephen John. First supplement to the Catalogue of the type and figured specimens in the Paleontological Research Institution. *Bulletins of American paleontology*, vol. 74, no. 302, 1978, p. 1-251. (entire issue)

LEA, GRAHAM et al. Computerized indexing of the Institute of Geological Sciences (UK) geological map collection. *Special Libraries Association. Geography and Map Division. Bulletin* no. 112, June 1978, p. 27-46.

ROWELL, UNNI HAVEM. Geology and geophysics in Hawaii: a bibliography of theses and dissertations, 1909-1977. June 1978. 78 p. (*Hawaii. University, Honolulu. Data report* 34; HIG-78-7)

Seavey, Charles A. Maps as documents/documents as maps. *Special Libraries Association. Geography and Map Division. Bulletin* no. 112, June 1978, p. 2-18.

Simmons, John. Micrographics in the National Cartographic Information Center. *Special Libraries Association. Geography and Map Division. Bulletin* no. 112, June 1978, p. 47-50.

Thomson, M. R. A. An annotated bibliography of the paleontology of Lesser Antarctica and the Scotia Ridge. *New Zealand journal of geology and geophysics*, vol. 20, no. 5, 1977, p. 865-904.

U. S. state surveys. *Geotimes*, vol. 23, no. 8, August 1978, p. 27.

WALLACE, HARRIET E. Geological field trip guidebooks: bibliographic problems. *Special Libraries*, vol. 69, no. 8, August 1978, p. 291-295.

Wise, Donald A. Cartographic sources and procurement problems. Appendices. *Special Libraries Association. Geography and Map Division. Bulletin* no. 112, June 1978, p. 19-26.

This supplements the article that appeared in the May/June 1977 issue of *Special libraries*.

USGS Publishes First Map Of Mars

The U. S. Geological Survey has published the first geologic map of the planet Mars. The 38 x 48 inch full-color map, entitled "Geologic Map of Mars," covers a total area of approximately 55,700,000 square miles, or more than 18 times the area of the conterminous (48) United States, at a scale of 1:25,000,000 (one inch to about 400 miles). The map shows the distribution of the various kinds of rock materials, landforms, and structures—mountains, craters, plains, channels, canyons, faults, and fractures—based upon detailed studies of more than 2,000 photographs of the Martian surface taken by Mariner 9 spacecraft in 1971-2. The map represents the first systematic attempt to classify the diverse rock formations of the planet into a time sequence. The Mars geologic mapping program was funded by NASA's Planetology Program Office and included contributions from more than thirty planetary geologists representing fifteen universities and research centers in the U. S., England and Germany. Copies of the map, published as *Atlas of Mars geologic series, Map no. I-1083*, may be purchased from the Branch of Distribution, USGS, 1200 South Eads Street, Arlington, Virginia 22202, and the Branch of Distribution, Box 25286, Federal Center, Denver, Colorado 80225. The cost is \$1.50 (check or money order payable to the U. S. Geological Survey).

New Publications

Canadian Society of Petroleum Geologists. Subject-author-NTS area index, by P. W. Hay and C. R. Dixon. 1978. 8½ x 11 in., 450 p. \$10.00 postpaid in Canadian or U. S. money. Also available in 43X microfiche, \$4.00. Order from: Stacs Data Services, Ltd., 3651 - 23rd Street N.E., Calgary, Alberta, Canada T2E 6T2.

This index to the Society's publications since 1931 includes its *Bulletins, Memoirs, Guidebooks, Special publications, Reprint series* and maps.

Carrington, David K. and Stephenson, Richard W., eds. *Map collections in the United States and Canada, a directory*. 3d ed. New York, Special Libraries Association, 1978. 215 p. (soft cover) \$19.75. (LC 77-26685, ISBN 0-87111-243-4)

Carter, W. D. et al. *Preliminary bibliography on remote sensing, lineaments, plate tectonics, ore deposits and mineral exploration through 1977*. Prepared for IGCP Project 143. *IGCP Project 143: Remote sensing and mineral exploration. Newsletter no. 6*, June 1978. 47 p. Available upon request to: W. D. Carter, U. S. Geological Survey, Mail Stop 730, Reston, Virginia 22092.

Over 500 bibliographic references assembled over the past two years. "Includes some basic references that predate the explosive growth of remote sensing since the launch of Landsat-1 in 1972." An update is scheduled for early 1979.

Chen, Ching-chih. *Scientific and technical information sources*. Cambridge, Mass., MIT Press, 1977. 490 p. \$24.95. (ISBN 0-262-03062-4)

"Nearly 3,700 sources are presented in the twenty-three category groupings. The material it presents is the most up-to-date available; most of the works cited were published between 1970 and 1976."

DeVries, Louis and Jacolev, L. *German-English science dictionary*. 4th ed. New York, McGraw-Hill, 1978. 704 p. \$14.50. (ISBN 0-07-016602-1)

Encyclopedia of geographic information sources. 3d ed. Ed. by Paul Wasserman et al. Detroit, Gale Research Company, 1978. 175 p. \$28.00. (ISBN 0-8103-0374-4)

"This is a revised and expanded version of the material formerly published as volume 2 of the second edition of the *Encyclopedia of business information sources*."

Geotechnical testing journal. Quarterly. Vol. 1, no. 1- March 1978- \$30.00. Philadelphia, American Society for Testing and Materials.

"The objectives of this journal are to inform the profession of new developments in soil and rock testing and related disciplines and to provide a forum for information exchange, particularly that which will lead to the development of new or improved testing procedures and equipment."

GM index, index of publications of the Division of Applied Geomechanics, CSIRO. Part A: Publications for unrestricted circulation. 1977. 88 p. Free upon application to: Chief, Division of Applied Geomechanics, CSIRO, P. O. Box 54, Mt. Waverley, 3149 Victoria, Australia. (CSIRO is the acronym for Commonwealth Scientific and Industrial Research Organization.)

International journal of the environment. Bimonthly. Vol. 1, no. 1- 1978- \$66.00. Oxford, Eng., Pergamon Press.

International petroleum encyclopedia. 1978 ed. Tulsa, Oklahoma, Petroleum Publishing Company, 1978. 446 p. \$42.50.

Journal of petroleum geology. Quarterly. Vol. 1, no. 1- 1978- \$50.00. Beaconsfield, Eng., Scientific Press Ltd.

"The editorial contents will show preference for original papers on oilfield regions outside North America and petroleum geology topics of general application. The main content will comprise full-length papers and reports presenting original work not previously published. Review articles, meeting and conference reports, book reviews, and short accounts of new techniques, equipment and facilities will also be included."

1978-79 World mines register. 3d ed. 1978. \$57.50. World Mines Register, Circulation Dept., 500 Howard St., San Francisco, California 94105.

Offshore oil and gas yearbook 1978/1979: UK and continental Europe. Consultant editor: Martin Beudell. London, Kogan Page Ltd., 1978. 276 p. approx. \$37.50.

USA oil industry directory. 1978 ed. Tulsa, Oklahoma, The Petroleum Publishing Company, 1978. \$50.00.

The new edition "has over 13,000 changes and additions, with listings for more than 2,600 companies at over 7,000 locations."

The world energy sourcebook: an A-Z, atlas and statistical sourcebook. Edited by David Crabbe et al. London, Kogan Page Ltd., 1978. 280 p. approx. \$21.50.

"A comprehensive guide to energy sources, energy related terminology, economics and all factors related to the search for, extraction of, production and utilization of the major alternative sources of energy."

New Members

John D. Crissinger
Geology Librarian
Geology Library, Virginia Polytechnic Institute
and State University
3040 Deering
Blacksburg, Virginia 24061

Julian Wiley Green
Geology Librarian
Geology Library, University of North Carolina
Mitchell Hall
Chapel Hill, North Carolina 27514

Robert Herbert Hansman
Technical Editor, Earth Sciences Office
Ebasco Services, Inc.
2211 West Meadowview
Greensboro, North Carolina 27407

Rodney Anne Muir
Chief Librarian, Home Oil Company Library
324 - 8 Avenue S. W.
Calgary, Alberta, Canada T2P 2Z5

Alan D. Powell
Exploration Librarian, Elf Aquitaine Oil and Gas
950 Threadneedle - Suite 200
Houston, Texas 77079

1978 GIS Officers

PRESIDENT: Richard D. Walker, Library School,
University of Wisconsin, Madison, 600 North Park Street,
Madison, Wisconsin 53706 (608/263-2919 or 263-2900)

PAST PRESIDENT: John G. Mulvihill, Manager, GeoRef,
American Geological Institute, 5205 Leesburg Pike, Falls
Church, Va. 22041 (703/379-2480)

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

SECRETARY: Elizabeth Behrendt, U.S. Geological
Survey Library, Stop 914, Box 25046 Denver Federal
Center, Denver, Colo. 80225 (303/234-4133 (FTS and
commercial); home 303/279-5759)

TREASURER: Robert A. Bier, Jr., U.S. Geological Survey
Library, National Center - Mail stop 950, 12201 Sunrise
Valley Drive, Reston, Virginia 22092 (FTS: 703/928-6671;
commercial: 703/860-6671)

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.

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