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no. 47

# GIS newsletter

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## GSA Annual Meeting, Seattle

### GIS Activities November 7-9, 1977

MONDAY, NOVEMBER 7

0830-1200

GIS Symposium: Geoscience Information Retrieval Update  
Nisqually, Seattle Center (space for 200)

1500-1700

1977 Executive Board

Thurston Room, Washington Plaza Hotel

TUESDAY, NOVEMBER 8

0900-1100

GIS Business Meeting

Center House, Conference Room B

1130-1330

GIS Luncheon\*

Center House, Conference Room A

1330-1500

1978 Executive Board

Center House, Conference Room A

WEDNESDAY, NOVEMBER 9

0830-1200

GIS Workshop on the Petroleum Data System of the  
University of Oklahoma, Information Systems Program  
Opera House, Symphony Room (Space for 200)

\*Mary Ansari will present a special slide program on  
the Mackay School of Mines Library as a part of the  
Luncheon Meeting.

The above are all the GIS activities and programs; there  
is to be no field trip. However, Richard Walker, GIS  
Symposium Program Chairman, recommends a Special  
Event: The Cruise and Salmon Bake beginning at 3 p. m.  
on Sunday, November 6, preceding the meetings. Both  
are well worth the time. The cost is \$14.00 and includes  
a cruise "along a scenic path past Seattle's mainland  
with a full view of islands against a backdrop of the  
Olympic and Cascade Mountains" and a salmon dinner.  
For full description see the preregistration material in  
the August issue of *Geology*. Preregistration is required  
for reservations.

## GIS Symposium: Geoscience Information Retrieval Update Nisqually, Seattle Center, November 7

0830

STATUS OF THE REAP R'S BIBLIOGRAPHY FILE  
Mary Scott, University of North Dakota.

0845

THE NATIONAL WATER DATA EXCHANGE (NAWDEX)  
Melvin D. Edwards, U. S. Geological Survey.

0900

EVALUATION OF NOAA'S OCEANIC AND  
ATMOSPHERIC SCIENTIFIC INFORMATION SYSTEM  
(OASIS) PROGRAM

Robert R. Freeman and James R. Stear, Environmental  
Science Information Center, NOAA.

0915

PETROLEUM DATA SYSTEM—  
A NETWORK OF ENERGY INFORMATION  
Patricia Tracey, University of Oklahoma.

0930

CANADA CENTRE FOR GEOSCIENCE DATA  
C. F. Burk, Jr.

0945

DISCUSSION

1000

COFFEE BREAK

1015

GEOARCHIVE: GEOSYSTEMS INDEXING PHILOSOPHY  
Graham Lea, Geosystems.

1030

A COMPUTER AID TO THE DISTRIBUTION OF  
GEOLOGIC PUBLICATIONS  
JoAnne Degraffenreid, Kansas Geological Survey.

1045

THE USE OF LANGUAGE PROCESSOR CONCEPTS TO  
DESIGN AND IMPLEMENT A GEOGRAPHICAL  
INFORMATION SYSTEM  
William A. Gates, University of Wisconsin

1115

INFORMATION EDUCATION IN THE GEOSCIENCES:  
ANATOMY OF A COURSE  
Joseph Kohut, Portland State University.

1145

DISCUSSION

1200

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## Geo Abstracts Ltd. Revives *Geophysical Abstracts*

Geo Abstracts Ltd., University of East Anglia, Norwich, England, has begun publishing *Geophysical abstracts*, a bi-monthly abstracting journal covering the field of solid-earth geophysics. The publication carries on the abstracting service offered by the U. S. Geological Survey's *Geophysical abstracts* from 1929 to 1971. USGS discontinued the journal in 1971, citing duplication of bibliographic service offered in the *Bibliography and index of geology*. Geo Abstracts plans to publish 2000-3000 abstracts the first year. Coverage of solid earth geophysics will be close to that of the earlier abstract journal. The editor points out "some significant differences between the two publications." The series "will not cover the moon and planets, isotope geology, glaciology, submarine geology and meteorology unless there is some specific relevance to solid earth geophysics. Other aspects of these subjects are already covered by other abstracting publications." Glaciology is already covered in *Geo abstracts A (Quaternary)*; ionospheric topics and planetology are found in *Meteorological and geostrophysical abstracts*. There will be no overlap with *Mineralogical abstracts*. The annual subscription (£15.00 or \$30.00) includes the six bi-monthly issues as well as the separate annual subject and author indexes. Further information may be obtained from Geo Abstracts Ltd., University of East Anglia, Norwich NR4 7TJ, England.

## News Items

B. Arbit Books, 3134 North Downer Ave., Milwaukee, Wisconsin 53211 has been named U.S. distributor of all maps printed in Israel by the Government Department of Surveys.

It has been pointed out to the *Newsletter* Editor that the University Microfilms International bibliographies of doctoral dissertations (mentioned in the June issue) are selected, rather than comprehensive, lists.

## EERI Issues Earthquake Planning And Field Guides

Earthquake Engineering Research Institute, Oakland, Calif., has published *Learning from earthquakes, 1977 planning and field guides* as part of an EERI effort to "maximize" the learning from future destructive earthquakes by planning post-earthquake investigations in advance. The *Planning guide* is for use by executives of governmental, research, professional, construction, and financial organizations in planning their actions before and after the earthquake. Major sections of the *Planning guide* include seismic risk to cities, earthquake investigations and summaries of EERI earthquake response procedures." The *Field guides* are for use by investigators in the engineering, geoscience and social science fields. The 200-page publication is available at \$5.00 (includes handling and mailing) from: Earthquake Engineering Research Institute, 424 40th St., Oakland 94609. The 41-paged *Planning guide* section has also been published separately and is available at no cost.

Candidates for GIS offices for 1977/1978 are:  
President-Elect: Julie Bichteler and Bea Lukens;  
Secretary: Elizabeth Behrendt; and Treasurer:  
Robert A. Bier, Jr. Ballots will be mailed to GIS  
members soon.

## New Members

Jean V. Molleskog  
Public Inquiries Office  
U.S. Geological Survey  
504 Custom House  
San Francisco, California 94111

## Literature Citations

A directory of societies in earth science. *Geotimes*, vol. 22, no. 7/8, July/August 1977, p. 28-36.

Hagen, Carlos B. Map libraries in the 1970's and the University of California. *Western Association of Map Libraries. Information bulletin*, vol. 8, no. 3, June 1977, p. 200-229.

Hoehn, R. Philip, comp. A union list of map series: Mexico and Central America held by the libraries of the University of California and Stanford University. 2d ed. Berkeley, The Bancroft Library, University of California. January 1977. Reprinted in *Western Association of Map Libraries. Information bulletin*, vol. 8, no. 3, June 1977, p. 188-199.

Larson, Julian R. and Tannehill, Robert S., Jr. Problems in accessing scientific and technical serials. *Special libraries*, vol. 68, no. 7/8, July/August 1977, p. 241-251.

Le Duce, Toni. Topographic maps, a primer on terms, uses and sources. *Rocks and minerals*, vol. 52, no. 7, September 1977, p. 367-370.

## Northern Illinois University Initiates MAPNOTES

Northern Illinois University's Department of Geography and Map Library have initiated a regional newsletter *MAPNOTES*. The publication lists the University's new map acquisitions and also serves as an information exchange for area planners and map users. The first issue is dated Fall 1976. The publication may be obtained free of charge by contacting Northern Illinois *MAPNOTES*, Department of Geography, Northern Illinois University, DeKalb, Ill. 60115.

## Positions Open

Please note: The closing date for receipt of applications for the U.S. Geological Survey Library positions mentioned in the June issue of the *Newsletter* is August 31, 1977.

## New Geoscience Publications

(GIS members are in caps)

Annual review of earth and planetary sciences, vol. 5, May 1977. 557 p. U.S. \$17.00; elsewhere \$17.50, postpaid. (ISBN 0-8243-2005-0) Available from: Annual Reviews, Inc., 4139 El Camino Way, Palo Alto, California 94306.

Balachandran, Sarojini. Energy statistics, an update to bibliography no. 1065. Monticello, Ill., Council of Planning Librarians, 1977. 22 p. pap. \$2.00 (Council of Planning Librarians. Exchange bibliography no. 1247) (LC 77-360255)

Chronicle of mining research. Bimonthly. Vol. 1, no. 1, 1977. \$30.60. Orléans, France, Bureau de Recherches Géologiques et Minières. Available from: Stechert Macmillan, Inc., Customer Service Dept., 7250 Westfield Ave., Pennsauken, New Jersey 08110.

Exploration geochemistry bibliography, January 1972 to December 1975. Comp. by H. E. Hawkes. 1976. 195 p. pap. \$10.00 (Association of Exploration Geochemists. Special publication no. 5).

This updates *Exploration geochemistry bibliography, January 1965 to December 1971*, comp. by H. E. Hawkes. 1972. 118 p. pap. \$7.50. (AEG special publication no. 1). Both publications are available *cash with order* from: Association of Exploration Geochemists, P. O. Box 523, Rexdale, Ontario M9W 5L4, Canada.

The geophysical directory. 32d ed. 1977. \$10.00. 462 p. Available from: The Geophysical Directory, 2200 Welch Ave., Houston, Texas 77019.

Gorshkov, Sergei G., ed. World ocean atlas. Vol. 1: Pacific Ocean. Oxford, Eng., Pergamon Press, 1976. 350 p. \$300.00.

Kinghorn, Marion, ed. Bibliography of Jamaican geology. 1977. 150 p. \$6.00 (£3.00). Published by Geo Abstracts Ltd., University of East Anglia, Norwich, NR4 7TJ, England.

"The last bibliography of the geology of Jamaica was published in 1923 and contained under 100 items. This work contains over 1000 references on the geology, earthquakes, ground water and bauxite deposits of the island, together with a selection of references on such topics as soils and surface water. The Cayman Islands are covered in an appendix. There is a full subject index and an index to second authors."

Lawrence, Christopher. Catalog of digital bathymetric data for the United States coastal regions (34°-45° North Latitude, Atlantic Coast). Boulder, U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Geophysical and Solar-Terrestrial Data Center, April 1977. 69 p. (Key to geophysical records documentation no. 8) Free upon request from: National Geophysical and Solar-Terrestrial Data Center, NOAA/EDS, Boulder, Colorado 80302.

Mullens, Marjorie C. Bibliography of the geology of the Green River Formation, Colorado, Utah, and Wyoming, to March 1, 1977. 1977. 52 p. (U.S. Geological Survey. *Circular 754*) Available free from: Branch of Distribution, U.S. G. S., 1200 South Eads St., Arlington, Va., 22202. Supersedes *Circular 675*.

Pattison, Malka L. Socioeconomic impacts of outer continental shelf oil and gas development—a bibliography. 1977. 63 p. (U.S. Geological Survey. *Circular 761*) Free.

STOWE, CARLTON, comp. Collector's guide to mineral and fossil localities in Utah. 1977. \$2.50 at Survey Office, \$2.75 mailed. Available from: Utah Geological and Mineral Survey, Dept. of Natural Resources, 606 Black Hawk Way, Salt Lake City, Utah 84108.

Summers, W. K. and Sittler, Carolyn J. Isotopes of water—a bibliography. Ann Arbor, Mich., Ann Arbor Science, 1976. 289 p. \$16.50. (ISBN 0-250-40117-7)

Synthetic fuels research: a bibliography. Comp. by Ruby L. Mathison. 3d ed. 1977. 218 p. \$8.00. (Catalog no. H01977). Order from: American Gas Association, Order and Billing Dept., 1515 Wilson Blvd., Arlington, Virginia 22209.

The bibliography covers the period from 1945 to 1976. It contains references on coal gasification and liquefaction, plus synthetic fuels from other feedstocks such as oil and solid wastes.

Udinstev, G. B. and Shirshov, P. P., eds. Geological/geophysical atlas of the Indian Ocean. Oxford, Eng., Pergamon Press, 1976. 168 p. \$100.00.

## 1977 GIS Officers

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

PAST PRESIDENT: Vivian S. Hall, Geology Librarian,  
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Kentucky 40506 (606/258-5730)

VICE-PRESIDENT and PRESIDENT-ELECT: Richard D.  
Walker, Library School, University of Wisconsin,  
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University of North Dakota, Grand Forks, North Dakota  
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Librarian, Naval Environmental Protection Support  
Office, Naval Construction Battalion Center, Port  
Hueneme, Calif. 93043 (All correspondence should be  
marked PERSONAL OFFICIAL.) Phones: AUTOVON -  
360-5952; FTS - 799-5952; Commercial - 805/982-5952;  
Home - 805/486-3473.

The *GIS newsletter* is published bi-monthly in February,  
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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:

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Leonard Hall, Room 102  
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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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