

# GIS newsletter

No. 87 ISSN 0046-5801 April 1984

## GEOGRAPHERS' ASSOCIATIONS ISSUE CALL FOR PAPERS

The Canadian Association of Geographers, Ontario Division, and the Association of American Geographers, East Lakes Division, have issued a call for papers for their November 1-4, 1984 meeting at Waterloo, Ontario. Abstracts of papers on any geographical topic should be 100 words in length and must be submitted by June 29 to Dr. David Walker, Department of Geography, University of Waterloo, Waterloo, Ontario N2L 3G1.

## NATIONAL GEODETIC SURVEY NOW SALES AGENT FOR NOAA, CGS, AND FGCC PUBLICATIONS

In October 1983, the National Geodetic Survey (NGS) of the National Oceanic and Atmospheric Administration (NOAA) became an exclusive consigned sales agent for the Superintendent of Documents, U.S. Government Printing Office (GPO). Under this joint venture, NGS now sells NOAA geodetic publications and those of its predecessor (the Coast and Geodetic Survey), as well as all published Federal Geodetic Control Committee (FGCC) reports. Publications of the National Geodetic Survey, compiled by Grace C. Sollers, January 1984, may be obtained by writing the National Geodetic Information Center (N/CG17x2), National Geodetic Survey, Charting and Geodetic Services, National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, MD 20852.

## WESTERN ASSOCIATION OF MAP LIBRARIES ISSUES DIRECTORY OF NEVADA MAPS, AERIAL PHOTOS

Nevada directory of maps and aerial photo resources, by Mary B. Ansari and Linda P. Newman, is a comprehensive survey of map holdings in the state. The 156-paged directory lists 75 map/air photo collections available for public use: those held by commercial firms; college and university departments/libraries; public libraries; federal, state, regional, county and city government agencies; and private collectors. A useful feature is a supplementary section that lists collections by city, sources for purchasing maps and photos, a map pinpointing the locations of collections, and a detailed subject and geographic index. The publication is Western Association of Map Libraries occasional paper no. 11, published in 1984. The attractive soft-bound directory is an updated and expanded edition of Mary Ansari's Nevada collections of map & aerial photographs, published in 1976 as Camp Nevada monograph no. 2. It may be purchased for \$15.00 from Western Association of Map Libraries, c/o Stanley D. Stevens, WAML Treasurer, University Library, University of California, Santa Cruz 95064. Prepaid orders will be post free.

NATIONAL GEOPHYSICAL DATA CENTER'S GEOLIN  
PROVIDES INFORMATION ON MARINE GEOLOGICAL FILES

The National Geophysical Data Center (NGDC) is the U.S. national center responsible for acquiring, processing, archiving, and disseminating marine geological and geophysical data. NGDC distributes data produced by academic institutions, government agencies, and foreign countries. It has developed a comprehensive digital inventory GEOLIN (marine GEOLogic INventory) to provide interactive inventory information on all of the marine geologic data disseminated by the Center. NGDC presently holds approximately 1,000 reports and data bases containing analyses of more than 130,000 sediment and hard rock samples from the ocean floor worldwide. GEOLIN contains inventory information on all marine geological files at NGDC.

Searches of GEOLIN may be made by using any combination of the following parameters: area by latitude/longitude; collecting institution/ship; cruise/sample number; date of collection; water depth; type of sampling device; type(s) of analytical data; formats in which data are available. Inventory information can be in the form of simple counts or tallies of the number of sets/samples/analyses, etc., which meet the user's criteria, or may consist of standard inventory listings according to user preference. Standard inventory listings include an order form to be used in requesting actual copies of reports or portions of data bases. The order form includes format options and prices for each data file selected.

Station location plots for samples matching search criteria can be generated as hard copy prints from a cathode ray tube (CRT), or plotted in various colors of ink on paper or plastic film in a variety of sizes and projections. Plots by individual parameter such as institution, device type, or type of analysis are also available. Many of the marine geology files are individual digital data bases. Data from these may be requested as a magnetic tape copy or, in some cases, as a computer listing. All non-digital marine geology data files are available as microfiche or microfilm. Microfilm format is 16mm for well log files and 35mm for bottom photographs. In addition, most data reports are available as photocopies and some are accompanied by large-scale ozalid charts. A description of the marine geological and geophysical services and publications available from NGDC can be found in Key to geophysical records documentation no. 14, available free of charge from the National Geophysical Data Center, NOAA E/GC 3, 325 Broadway, Boulder, CO 80303.

TIDBITS

Errata for the January 1984 issue of the AAPG bulletin can be found on page 397 of the March 1984 issue. Better quality illustrations are to be substituted for those on pages 60-62.

CHINESE PETROLEUM GEOLOGY SOCIETY, CIRCUM-PACIFIC COUNCIL  
TO CO-SPONSOR BEIJING PETROLEUM SYMPOSIUM, SEPTEMBER 1984

The Chinese Petroleum Geology Society and the Circum-Pacific Council for Energy and Mineral Resources are organizing a symposium on recent advances in petroleum exploration and development. The meeting will be held in Beijing September 24-28. The objective of the symposium is to bring Chinese petroleum geologists and technologists up to date with new developments in the industry since 1980. Some 32 papers will discuss new frontiers, new theories and methods of petroleum exploration and development. The symposium will be conducted in English. Co-chairmen are Zhai Guangming and Robert J. Foster. Michel T. Halbouty has been named honorary chairman. The proceedings will be published by the American Association of Petroleum Geologists in the Circum-Pacific Council earth science series.

## LITERATURE CITATIONS

Grosz, Andrew E. Application of total-count aeroradiometric maps to the exploration for heavy mineral deposits in the coastal plain of Virginia. With a section on Field-spectrometer-data reduction by Kenneth L. Kosanke. U.S. Geological Survey. Professional paper 1263, 1983, 20 p.

Igneous petrology database - design and development: Proceedings of the IGCP Project 163 meeting, Hawaii, 19-22 December 1981. Guest editor: Felix Chayes. Computers & geosciences, special issue, vol. 9, no. 4, 1983, p. 485-559.

Reine, Thomas E., Jr. and Jake, Thomas R. Coal information for West Virginia. Mountain state geology, 1984, p. 4-7.

Scientific and technical, spatial, and bibliographic data bases and systems of the U.S. Geological Survey, 1983, including other Federal agencies. Rev. ed. Compiled by the Office of the Data Administrator. Prepared with the cooperation of the Bureau of Land Management and the Minerals Management Service. U.S. Geological Survey. Circular 817, 1983, 1 vol. (various pagings).

## GIS MEMBERS IN THE NEWS

MARY WOODS SCOTT has been named Librarian for the School of Engineering and Mines Operations at the University of North Dakota. Her address: Chester Fritz Library, Box 175, UND, Grand Forks 58202, telephone: 701/777-2617.

On March 26, UNNI HAVEM ROWELL spoke on "Geoscience Information from the Stone Age to the Space Age" in Indiana University Geology Department's Colloquium Series.

## PRESIDENT'S CORNER

### A Note on GIG Activities

Our British counterpart, the Geological Information Group of the Geological Society of London, reports on its Committee in its February '84 newsletter:

Chairman: Mike Horder, BP Minerals International, London

Publications Secretary: Mike McGarr, Institute of Mining & Metallurgy; William G. Henderson, University of Edinburgh

Hon. Secretary: Richard J. Howarth, Imperial College, London

Membership Secretary: Stuart V. Duncan, International Energy Agency, London; Roger Till, BP Exploration Co., London

Geological Bibliographies Interest Areas Representative: John Hopson, State House, London

Mathematical Geology Interest Area Representative: Peter Hill, Kingston Polytechnic, Kingston-upon-Thames

Geological Data Systems Interest Area Representative: Graham Baxter, Britoil, Glasgow

International Geoscience Information Conference Liaison: Anthony P. Harvey, British Museum, London

Some of the Committee members have reigned for quite some time and encourage pre-tenders to come forward.

The Geological Information Group differs substantially from GIS in its organization and its three main interest areas: mathematical geology, automated data systems and geological bibliographies. The Group now plans to add a fourth: a microcomputer special interest group. GIG is seeking affiliation with the International Associa-

tion for Mathematical Geology. The meeting program reflects clearly GIG's interest areas and its intentions to become more directly involved in the educational use of computers in geology, and to influence and support advances in information technology to the benefit of the geoscience community.

GIG frequently holds whole day meetings in cooperation with other groups, within or outside of the Geological Society. In January '84 the Group planned a meeting in Edinburgh on "Practical Experience in the Design and Use of Earth Science Databases." A February meeting entitled "Quantitative Petroleum Prediction" was organized jointly by GIG and the GSL Petroleum Group. In the afternoon of May 2nd GIG will meet on "Sources of Geological Information for the Far East" and hear papers on bibliographic information from China, from Japan and Korea, on geological maps from the Far East, and "an oilman's top twenty": the 20 most important journals in Southeast Asian petroleum geology. This afternoon meeting is one in a series. Previous meetings on sources of geological information for Southeast Asia, of EEC, and on Latin America, have all resulted in bibliographic publications. May is a busy month for GIG this year: on Tuesday the 8th there is a whole day meeting on the "Applications of Microcomputers in Engineering Geology," and on Tuesday the 22nd, another on "Computer Education in Geology."

GIS members who are interested in the activities of the Geological Information Group can join as GIG members by contacting the Membership Secretary, Duncan V. Stuart, International Energy Agency, 14 Lower Grosvenor Place, London SW1W OEX.

#### SPONSORSHIP OF THE THIRD INTERNATIONAL CONFERENCE ON GEOSCIENCE INFORMATION

Dean Crowe, the Chairman of the Organising Committee of the Third Conference, has sent GIS an invitation to become a sponsor of the Conference, and I quote from his letter:

"...To ensure that the Conference obtains the level and degree of international participation that it requires, the Organising Committee is seeking sponsorship from appropriate organisations both national and international.

Sponsorship will be of two kinds: One, General, to enable the Conference to receive recognition as a major international forum, through use of the name of premier institutions as sponsors; and two, Financial, to provide a means of obtaining financial assistance for the attendance of international distinguished speakers.

I invite your organisation to become a sponsor in one or both sponsorship categories. If this includes financial sponsorship, I will be happy to discuss with you the form this would take.

The Committee will be most grateful for a favourable response from your organisation and I look forward to your reply..."

The GIS Executive Board has discussed the sponsorship question and decided that while we are pleased and honored to stand as a general sponsor, the economy of the Society and the commitments to our members do not allow us to be a financial sponsor. We would naturally have been happy to have an economy that would allow us to support international distinguished speakers and thus help create a conference of broad participation and high quality. In our situation, however, we believe that some financial assistance to our own members, such as the 1986 officers of the Society, the North American representative, and possibly also accepted GIS speakers,

towards their conference and travel costs, must take a higher priority. We are aware that funds are needed to assure a truly international attendance, especially for representatives from developing countries, but nevertheless feel we would do our membership a disfavor in contributing to a conference that our GIS representatives could not afford to attend.

Unni Havem Rowell

GEOLOGIC, PHYSIOGRAPHIC MAPS  
AVAILABLE ON FLORIDA

H. Kelly Brooks, Professor Emeritus (Geology), Center for Environmental and Natural Resources Programs, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, is the compiler of a Geologic map of Florida, Physiographic divisions-State of Florida, and a User's guide. The geologic map (44x62 in.) is designed for people who need information on the nature of the materials underlying the surficial soils. The scale of 1:500,000 was chosen so that the patterns on the map could easily be compared to those on The ERTS-1 satellite image mosaic published by the U.S. Geological Survey. The physiographic map (also 44x62 in.) should be used in conjunction with the Geologic map of Florida (IFAS, 1982) and the The ERTS-1 satellite image mosaic. There is also available an accompanying User's guide with synoptic descriptions for each of the natural features mapped. To order both maps and the user's guide, send \$5.00 (checks payable to the University of Florida) or \$10.00 outside the continental U.S. to: Administrative Services, IFAS (Bldg. 664), University of Florida, Gainesville 32611.

1984 GIS OFFICERS

PRESIDENT: Unni Havem Rowell, Exmin Corporation, 1111 North Walnut, P.O. Box 2655, Bloomington, IN 47402 (812/332-1874)

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

VICE-PRESIDENT and PRESIDENT-ELECT: Claren M. Kidd, Geology Library, The University of Oklahoma, 830 Van Vleet Oval, Rm. 103, Norman, OK 73019 (405/325-6451)

SECRETARY: MaryAnn Whitney, Chevron Overseas Petroleum, Inc., 575 Market Street, Rm. 1188, San Francisco, CA 94105 (415/894-0174)

TREASURER: John D. Crissinger, Geology Library, 3040 Deering Hall, VPI & SU, Blacksburg, VA 24061 (703/961-6101)

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, Orton Memorial Library of Geology, The Ohio State University, 155 South Oval Drive, Columbus, OH 43210 (614/422-2428).



GEOSCIENCE INFORMATION SOCIETY -- FINANCIAL REPORT  
January 1, 1983 - December 31, 1983

	Checking Acct.	Savings Acct.	Totals
<u>Balance</u> from 1982	\$ 9,058.29	\$13,528.49	\$22,586.78
<u>Transfer</u> from Savings to Checking	4,851.37	(4,851.37)	
<u>Income</u>			
Dues--Corporate	1,060.00		
--Individual	4,140.00		
Publications--			
Mailing list	20.00		
Newsletter subscriptions	415.00		
Proceedings	932.25		
Interest from:			
Home Sav.30-mo.Certificate (2d Int.Conf.Geosci.Inform.)		945.26	
Savings and Loan acct.(Virginia)	77.70		
B of A 6-mo. Certificate	219.23		
B of A COR Acct.	667.82		
<u>Total income</u>	<u>7,532.00</u>	<u>945.26</u>	<u>8,477.26</u>
<u>Expenses</u>			
AGI dues	341.00		
GIS--Annual meeting	475.37		
--President	463.00		
--Treasurer	40.69		
--Publications Manager	33.32		
--Committees--Guidebooks	53.34		
--Membership	106.65		
--Nominations	96.00		
GeoRef Users Group	19.15		
Newsletter--printing	1,216.50		
--postage	793.73		
Proceedings--printing	1,527.67		
--postage	119.37		
Miscellaneous printing and UPS	162.41		
<u>Total expenses</u>	<u>5,448.20</u>		<u>(5,448.20)</u>
<u>Transfer</u> of funds to 1984-85 Treas.	500.00		(500.00)
<u>Balance</u> as of December 31, 1983	\$15,493.46	\$ 9,622.38	\$25,115.84

Submitted by Beatrice L. Lukens Date 2/25/84  
Beatrice L. Lukens, Treasurer

Audit: I have examined the financial records of the Society and to the best of my knowledge the figures given in this report are true.

Charlotte R. M. Derksen Date 2/25/84  
Charlotte R. M. Derksen