

## 1970 GIS CONVENTION in MILWAUKEE, Wisc.

The 5th Annual Convention of the Geoscience Information Society will be held in Milwaukee, Wisc., in conjunction with the meetings of the Geological Society of America, 11-13 November 1970. The GIS convention will feature a technical session on information exchange and a luncheon business meeting.

The technical session, entitled "New Directions in Information Exchange", will be held Wednesday, November 11th, from 9:00 a.m. to 12 noon at the Sheraton-Schroeder Hotel. Co-chairmen will be Dr. C.F. Burk, jr. (Canadian Centre for Geoscience Data, Ottawa) and Donald H. Owens (Battelle Memorial Institute, Columbus, Ohio). Six papers have been scheduled for the session:

1. Hugh R. Wynne-Edwards (Queen's Univ, Kingston, Ont.): A geological field-data system for the Grenville Project in Quebec.
2. J.B. Peterson (U.S. Geological Survey, Albuquerque): Computer-based data file for the earth sciences in New Mexico.
3. Brian A. McGee (Canadian Centre for Geoscience Data, Ottawa): The Canadian Index to Geoscience Data: a new national service for mineral exploration.
4. Graham Lea (Lea Associates Ltd., London, Eng.): The awareness problem in geoscience.
5. Joel J. Lloyd (American Geological Institute, Washington, DC): GEO·REF, a bibliographic reference tool.
6. William W. Hambleton (Kansas State Geological Survey, Lawrence): Toward a concept for a national geoscience information program: a report of the Committee on Geoscience Information of the American Geological Institute.

The GIS luncheon business meeting will be held on Thursday, November 12th, from 12 noon to 2:00 p.m., in the Akron Room of the Sheraton-Schroeder Hotel. GISers tentatively planning to attend should write Bob Malinowsky (Univ of Kansas Libraries, Lawrence, Kans. 66044) by October 19th. The cost of the luncheon is \$4.50, payable at the convention.

GIS members should have received, by now, Circular 2 of the Geological Society of America, describing the GSA meetings and including reservation forms for hotel rooms and field trips. Those members who have not received Circular 2 can obtain copies

by writing to the headquarters office of the GSA, P.O. Box 1719, Colorado Bldg, Boulder, Colo. 80302.

All who attend any technical session, exhibit, special function, or other official activity are expected to register with GSA (\$20) and wear the official registration badge. There will be no pre-registration. Early arrival and registration (beginning at 1:00 p.m.) on Tuesday, November 10th, is recommended.

## ELECTION of GIS OFFICERS

All GIS members in good standing are entitled to vote on the four elective positions on the Executive Committee for 1971: President, Vice-President, Secretary, and Treasurer. According to the revised (1967) Constitution of GIS, the Nominating Committee "annually shall present to the President the names of one or more candidates for each elective office from among the membership of the Society".

The Nominating Committee (Robert McAfee, jr., American Society for Information Science, chairman; Mrs. Margaret D. McLean, Atlantic Richfield Co.; and Mrs. Irene M. Kettner, Sun Oil Co., Calgary) has submitted the following slate of officers for 1971:

President: Dr. Cornelius F. Burk, jr.  
 Vice-President: George H. Goodwin, jr.; Bill L. Long  
 Secretary: Mrs. Doreen M. Sutherland  
 Treasurer: Mrs. Vivian S. Hall; Howard B. Shirley

Short biographic sketches of each candidate are given below.

A ballot is enclosed with this newsletter in the regular mailing to all members of the Society. Space is provided for write-in candidates for each elective office. Ballots must be completed and returned before November 1st to: Mrs. Marjorie W. Wheeler, GIS Secretary, 5775 Viking Drive, Beaumont, Texas 77706.

## Biographic Sketches of Candidates:

### PRESIDENT

Dr. Cornelius F. Burk, Jr. (National Coordinator, Canadian Centre for Geoscience Data, Ottawa, Ontario, Canada): B.Sci. 1956 Geology (Univ of Western Ontario); Ph.D. 1959 Geology (Northwestern Univ); research in subsurface stratigraphy in Louisiana & Canada; member of ad hoc Committee on Storage and Retrieval of Geological Data in Can-

ada; appointed National Coordinator of the Secretariat for Geoscience Data at the Geological Survey of Canada headquarters in Ottawa in 1968; editor of Bulletin of Canadian petroleum geology, 1966- ; member of AAPG, GSA, Sigma Xi.---GIS activities: GIS Vice-President for 1970; co-chairman of technical session for 1970 GIS convention in Milwaukee; presented a paper at 1967 GIS convention entitled "National system for storage and retrieval of raw geologic data in Canada".

VICE-PRESIDENT

George H. Goodwin, Jr. (Chief Librarian, U.S. Geological Survey, Washington, D.C.): A.B. 1951 English/History (Syracuse Univ); M.S. 1952 Library Science (Syracuse Univ); Smithsonian Institution Library, 1952-1958; State Univ College of Education Library at New Paltz, N.Y., 1958-1960; American Museum of Natural History Library, 1960-1968; Univ of Massachusetts Library, 1968; at the USGS since January 1969; member of SLA and the Society for the Bibliography of Natural History.---GIS activities: updating of Mathews' (1923) Catalogue of published bibliographies in geology, 1896-1920.

Bill L. Long (Physical Sciences Officer, U.S. Agency for International Development, Washington, D.C.): B.S. 1958 Geology (Beloit College); A.M. 1960 Geology (Dartmouth); 3 yrs as senior staff member on the National Council on Marine Resources and Engineering Development in the Executive Office of the President with major responsibilities in the areas of nonliving resources, marine pollution, marine information programs, & arctic research; 3 yrs as Chief, Earth Sciences Branch of the Smithsonian Institution's Science Information Exchange; 1 yr as Assistant Professor of Geology at Old Dominion College; currently secretary for the Marine Technology Society's Committee on Coastal Zone Management; member of GSA.---GIS activities: member of Program Committee, 1968; member of Nominating Committee, 1968; co-chairman of technical session for 1969 GIS convention.

SECRETARY

Mrs. Doreen M. Sutherland (Chief Librarian, Geological Survey of Canada, Ottawa, Ontario, Canada): B.A. 1938 (Univ of Saskatchewan); graduate degree 1941 Library Science (Univ of Toronto); librarian-in-charge of the Canadian depts of fisheries and of forestry, and of the Geological Survey of Canada since 1966; supervisor of a data-processing unit producing "Geodat"; chairman of Library Science Group, Professional Institute of the Public Service of Canada, 1969- ; member of SLA and Canadian Association for Information Science.---GIS activities: member of Committee on Guidebooks & Ephemeral Materials, 1969- ; member of Working Group on Library Resources and Services of the AGI Committee on Science Information, 1969.

TREASURER

Mrs. Vivian S. Hall (Geology Librarian, Univ of Kentucky); attended Univ of Kentucky; Acting Libra-

rian at Southeast Center Community College, Univ of Kentucky, Cumberland, 1962-1963; Geology Librarian at Univ of Kentucky since 1963; set up pilot project for cataloging of Kentucky maps, which has branched into a full-scale "one-card retrieval system" for cataloging the 51,000-map collection at Univ of Kentucky; member of Southeastern Library Association and of Kentucky Librarians Association; charter member of GIS.---GIS activities: member of Committee on Guidebooks & Ephemeral Materials, 1970.

Howard B. Shirley (Information Scientist, Information Operations Division, Battelle Memorial Institute, Columbus, Ohio): B.Sci. 1948 Geology (Univ of Nebraska); 14 yrs as seismologist and petroleum geologist with oil companies and a petroleum engineering consulting firm, and 2 yrs as an independent operator; member of ASIS.---GIS activities: co-authored paper at 1968 ASIS annual meeting entitled "The Geoscience Information Society--a forum for specialized scientific communication"; presented paper at 1968 GIS convention entitled "Discipline-oriented national information networks"; member of Project Development Committee, 1967-1968; nominee for GIS President, 1970.

GISers in the NEWS

Mrs. Julie H. Bichteler is pursuing a doctorate in information science at the Univ of Texas. She was formerly an assistant professor at the University's Graduate School of Library Science.

Dianne Capritta is now acquisitions librarian at the State College of Forestry in Syracuse, N.Y.

Edwin B. Eckel, editor of the Geological Society of America, has been appointed as Executive Secretary of GSA for a term to last through 1971. He replaces GISer Raymond C. Becker who retired Dec 1969.

Marjorie Hooker of the U.S. Geological Survey is secretary (1970-1971) of the International Mineralogical Association.

Dr. Jiri Hruska of Geofond (Czechoslovakia) is with the Dept of Geology at the Univ of Western Ontario in London, Ont., where he is compiling (with Dr. C.F. Burk, jr.) an "annotated bibliography on computer-based storage, retrieval, and indexing of geoscience data", to be published under the auspices of the International Union of Geological Sciences. About 250 references will be recorded.

Donovan B. Kelly, science writer/editor for the U.S. Geological Survey, has written an article for Presbyterian Life about the new director of the Office of Saline Water, entitled "Dr. Wong comes to Washington".

Dr. Joseph J. Kohut received an M.S. in L.S. at Case Western Reserve, specializing in information science. On 6 July, he accepted a reference-libra-

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rian position at the U.S. Geological Survey in Washington, D.C. He is currently working on a research project dealing with the citation patterns in the geologic literature.

Bill L. Long has been a physical sciences officer with the U.S. Agency for International Development since August 1970. His responsibilities include environmental problems, remote sensing, and science information. He recently spent 3 months as deputy director of an editorial staff for the first report to the President of the Council on Environmental Quality.

Robert McAfee, jr., formerly managing editor of the glossary revision project at the American Geological Institute, is now assistant to the executive director of the American Society for Information Science in Washington, D.C.

Tom L. Martinson, director of international area studies at Ball State Univ, has published a manual for bibliographic research in geography. It is available from the Univ of Missouri at Kansas City bookstore for 80¢ plus postage.

Timothy C. O'Callaghan of the GSA Bibliography Project has been named chairman of an FID (International Federation for Documentation) committee responsible for revising the geological part of the Universal Decimal Classification system.

Dr. Evelyn Sinha is editor of Coastal/estuarine pollution, an annotated bibliography of 631 informative abstracts of the coastal-zone literature published between 1965 & May 1970. It will be issued midsummer 1970 by Ocean Engineering Information Service, La Jolla (Calif.), as volume 3 of Ocean engineering information series.

Dr. Peter J. Smith of The Open Univ in Buckinghamshire, Eng., is a coordinator of a new journal published by Gordon & Breach, London, entitled Comments on earth sciences: geophysics. The journal's objective is to present "a cross-communication of ideas between the various branches of geophysics, such as physical oceanography, seismology and geochemistry, and closely related sciences".

John F. Spletstoesser, associate director of the Institute of Polar Studies at Ohio State Univ, spent the period Oct-Dec 1969 in Antarctica with a geologic field party from the institute that found the large assortment of vertebrate bones in the Beardmore Glacier area of the Central Transantarctic Mtns. The presence of land-living reptiles proves the existence of land connections between southern-hemisphere continents.

Edward P. Thatcher, map librarian at Univ of Oregon, has been elected 1970-1971 President-elect of the Western Association of Map Libraries.

Bill M. Woods, executive director of Engineering Index, Inc., was elected 1970-1971 President-elect of the National Federation of Science Abstracting and Indexing Services.

Briggs, Louis I., and Briggs, Darinka Z. (1969) Information systems design and operation at a geologic educational research center. American Society for Information Science. 32nd Annual Meeting, San Francisco, 1969. Proceedings, v.6, p.375-378. ---Description of Subsurface Information Processing System (SIPS) at the Subsurface Laboratory of Univ of Michigan.

Briggs, Louis I., and Briggs, Darinka Z. (1969) Stratigraphic analysis. In: Merriam, D.F., ed. Computer applications in the earth sciences, p.13-39. New York: Plenum Press. 281p.---Paper given at an international symposium held at the Univ of Kansas, Lawrence, on 16-18 June 1969.

Burk, Cornelius F., jr. (27 Nov 1969) Use of computers finds increasing role as effective tool in minerals search. Northern miner, v.55, no.36, p.69, 71.---Summary of operational and planned computerized systems in Canada for storage and retrieval of data and information.

Cramer, Howard R. (1969) Index to the Bulletin and other publications of the Georgia Academy of Science, 1922-1967. Atlanta: Georgia Academy of Science. 264p.---Pt.1: index to the Bulletin (v.1-25; 1943-1967); pt.2: index to the proceedings of the annual meetings prior to their inclusion in the Bulletin (1922-1946). Both parts are divided into author, subject & title, systematic, and academy affairs indexes.

Easton, William W. (April 1970) Repair and preservation of map materials. Special libraries, v.61, no.4, p.199-200.---Paper presented at a meeting of the Geography and Map Division on 3 June 1969 during SLA's 60th Annual Conference in Montreal.

Harvey, Anthony P., comp. (1970) Oceanographic research literature; a bibliography of selected guides and periodicals. In: Ocean research index; a guide to ocean and freshwater research including fisheries research, p.411-451. Guernsey (Gt.Brit.): Francis Hodgson. 507p.---Lists: guides to the literature & reference books; periodicals & series; open bibliographies, and abstracting & indexing journals; current oceanographic & freshwater science journals. Details given include title, name & address of publisher, date of publication, and annotation.

Miesch, Alfred T. (1969) The constant sum problem in geochemistry. In: Merriam, D.F., ed. Computer applications in the earth sciences, p.161-176. New York: Plenum Press. 281p.---Paper given at an international symposium held at the Univ of Kansas, Lawrence, on 16-18 June 1969.

Ristow, W.W., and CARRINGTON, D.K. (1969) Computerized map cataloging project. International Federation of Library Associations, Special Libraries Section. Newsletter (INSPEL), v.4, no.3-4, p.74-79.---Paper presented at the organizational meeting of the proposed Geography and Map subject-

ion at Copenhagen, 26 Aug 1969. Discusses the experience gained in and the current status of the map cataloging project at the Library of Congress.

Walschot, Leopold (1970) Informatie en documentatie voor de aardewetenschappen. Ghent: Rijksuniversiteit. 80p.---A guide to various reference sources in the earth sciences, including bibliographies of bibliographies, abstracting & indexing services, periodicals, directories, and directory-type information for Belgian earth-science organizations.

Woods, Mary Louise (March 1970) Geolibrarianship. Compass of Sigma Gamma Epsilon, v.47, no.3, p.188-191.---Urges the "geologist interested in literature" to consider geolibrarianship, "the most exciting and challenging profession within the geosciences today".

#### NEW MEMBERS of GIS

##### Individual

- Eckel, Edwin B.: Executive Secretary and Editor, Geological Society of America, P.O. Box 1719, Boulder, Colo. 80302
- Ekimov, Mrs. Roza: Technical Librarian, Geodata Systems, Inc., 1206 West Collins, Orange, Calif. 92667
- Hardy, Joan E.: Information Officer, Lyon Playfair Library, Imperial College, London S.W. 7, Eng.
- Hills, Mrs. Virginia Carter: Librarian, National Geographic Society, 1146 16th Street NW, Washington, D.C. 20036
- Knapp, Guenever P.: Technical Assistant, Dept of Geological & Geophysical Sciences, Princeton Univ, Princeton, N.J. 08540
- McFarland, Dr. Herdis B.: Head, Technical Information Center, Chevron Overseas Petroleum Co., 555 Market St, San Francisco, Calif. 94120
- Passow, Michael J.: Assistant Teacher (Earth Sciences & Oceanography), New Lincoln School, 31 Central Park North, New York, N.Y. 10026
- Smith, Dr. F. Gordon: Professor, Dept of Geology, Univ of Toronto, Toronto 5, Ontario, Canada
- Wondolowski, Joseph P.: Computer Programmer, Sci. & Tech. Computer Center, Kennecott Copper Corp., 1356 Kennecott Bldg, Salt Lake City, Utah 84111

##### Institutional

- California Institute of Technology, Geology Library, 1201 East California Blvd, Pasadena, Calif. 91109
- Carleton Univ, Library (Periodicals Section), Colonel By Drive, Ottawa 1, Ontario, Canada
- Dawson-France S.A., B.P. 40, F 91 Palaiseau, Paris, France
- Tenneco Oil Company, Exploration Research Library, P.O. Box 2511, Houston, Tex. 77001

#### GEOLOGICAL INFORMATION: CURRENT STATUS

GISer Graham Lea (Lea Associates Ltd., London) outlined the present state of geological information at the Colloquium on the Structure of Geological Information held by the British Group of the International Association for Mathematical Geology at ASLIB in London, 2 Jan 1970 (see Geoscience documentation, April 1970, v.2, no.2, p.35-36).

Mr. Lea discussed geological publishing, fugitive geological literature ("there are ... more than 5000 sources of published geological information"), and changes in the present system of communication. The GIS was incorrectly identified as one of three organizations designed "to set up standards and make recommendations in the field of geological information" (the other two are AESE and Editerra).

As for the future, Mr. Lea allowed that it is "cloudy, but the clouds are being identified. There is real hope that within the next five years the state of geological information will have improved markedly. Those who contribute to and use geological information should be made aware of the role they must play to bring about a more satisfactory situation".

#### ASSOCIATION of CANADIAN MAP LIBRARIES

GIS members may be interested in learning about the Association of Canadian Map Libraries (ACML), whose aims are "to further the professional knowledge of its members and to promote general interest in map libraries and knowledge of maps". ACML held its first annual meeting in June 1967.

The objectives of the association are being accomplished by "encouraging high standards in the organization, administration and development of Canadian map libraries and by providing a forum for the discussion and exchange of information, ideas, experience, methods, problems, and interests through meetings and publications".

Some ACML committees of interest to GISers are concerned with "education and standards of pay for map librarians", "the National Union Catalogue of Maps" (studying the feasibility of compiling a national union list of all maps held in all Canadian map libraries), and "map sources" (compiling an annotated list of addresses of map sales and distributing agencies).

The association currently publishes the Proceedings of the Annual Conferences and the Newsletter. In 1969, the Directory of Canadian map libraries was published; it will be revised from time to time. A "standards & procedures (manual) for map libraries"

is in preparation. The Annual Conference and Business Meeting are held each year usually in June; attempts are made to alternate the location of the meeting place between centers in eastern and western Canada.

Membership in ACML is open to both individuals and institutions having an interest in maps and the aims and objectives of the association. Dues are \$5 for full-time Canadian map librarians, \$3 for all others interested in the association, and \$10 for map libraries and institutions.

The current president of ACML is C. Bradley Fay, map curator at McGill Univ, Montreal. Further information on membership, projects, and activities of the association may be obtained by writing to ACML, c/o National Map Collection, Public Archives of Canada, Ottawa, Ontario, Canada.

#### CANADIAN ASSOCIATION for INFORMATION SCIENCE

At a meeting of approximately 70 interested persons held at the Library School of the Univ of Ottawa on 27 May 1969, the Canadian Association for Information Science was created. An Ottawa Chapter has been formed, and a Toronto Chapter has been proposed.

The aims of the Association are three-fold: "to provide an environment favouring dialogue between those involved in the many disciplines in the communication of information; to promote education and research in information science and foster application of its principles; and to publicize and demonstrate the methods by which a greater use of stored knowledge can aid Canadian economic, social and cultural development".

Annual membership fees are \$10 (active), \$3 (student), and \$100 (sustaining). Membership information and a descriptive folder concerning the association may be obtained from Dr. P.E. Pomfret, Box 158, Besserer Street Post Office, Ottawa 2, Ontario, Canada.

#### NATIONAL OCEANOGRAPHIC DATA CENTER

The National Oceanographic Data Center (NODC) in Washington, D.C., is profiled in Scientific Information notes, May-June 1970, v.2, no.3, p.129-132. The NODC acquires, processes, stores, and retrieves oceanographic data which are defined in its charter as "chemical, physical, biological, geological, and related information pertaining to the seas", but it excludes bathymetric, marine gravity, marine magnetic, and some other data that are the functions of other official repositories. Its scope is global. The center holds an inventory of 32,000 geological samples. Director of NODC is Dr. Thomas S. Austin.

#### REPRINTING of 1968 GSA GUIDEBOOKS (Mexico City)

Consideration is being given in Urbana, Ill., to reprinting the guidebooks from the 1968 meeting of the Geological Society of America in Mexico City. Only 3 sets of the guidebooks are available in the U.S.: one at GSA headquarters in Boulder, Colo., and two at the USGS Library in Washington, D.C.

The guidebooks can be reproduced either in hard copy or on microfiche. There are 9 guidebooks, and the cost of a set in hard copy will be approximately \$20. Microfiche copies will run 25¢ a fiche. In most cases one fiche will easily include a full guidebook.

Before embarking on this project it will be necessary to know whether there is enough interest in reprint copies of the guidebooks. Anyone who is interested in a full set for a library or for personal use should so advise Mrs. Harriet W. Smith, Geology Library, 223 Natural History Bldg, Univ of Illinois at Urbana-Champaign, Urbana, Ill. 61801, as soon as possible.

#### SPECIAL OFFER to GIS MEMBERS

Rutgers University Press announces a special offer to GIS members: a 20% discount on Geology of selected areas in New Jersey and eastern Pennsylvania the guidebook of excursions for the 19 meeting of the Geological Society of America, edited by Seymour Su-bitzky. The 392-page volume, regularly priced at \$15, is available to GISers for \$12 until 31 Dec 1970. Send order with remittance to: Rutgers Univ Press, Dept. GSI-107, 30 College Ave, New Brunswick, N.J. 08903.

#### USGS LIBRARY POSITIONS

The U.S. Geological Survey Library in Washington, D.C., one of the outstanding geoscience libraries in the world, invites applications for the following positions: Reference Librarian, GS-9 (\$9,881) or GS-11 (\$11,905); Catalogers (two positions), GS-9 or GS-11; and Exchange & Gift Librarian, GS-11. Travel and moving expenses authorized. Requirements: Civil Service status, graduate library degree, and proficiency in one or more foreign languages. Experience or training in one or more of the earth sciences is required for the Reference position and is desirable for the others. Supervisory experience helpful. Candidates with MLS automatically qualify for GS-9; GS-11 calls for minimum of one year of experience at the GS-9 level or equivalent. Particularly interested in energetic, innovative individuals who are eager to assist in developing new programs and procedures leading to a more effective utilization of the Survey's collections and who are experienced enough to help carry them out. Applicants should submit a detailed SF-171 application form, avail-

able from any post office. This is a career position in the competitive Federal service. Please send applications to or request further information from: George H. Goodwin, Jr., Chief Librarian, U.S. Geological Survey, Rm.1033, GSA Bldg, 18th & F Sts. NW, Washington, D.C. 20242. Phone: 202/343-3863. The Geological Survey is an equal opportunity employer. Plans for the Survey moving to Reston, Va., are progressing, and provisions for the Library are included in the building plans.

MAPS and ATLASES

An article entitled "Published sources of information about maps and atlases", by Richard W. Stephenson (Library of Congress), appeared in the February 1970 issue of Special libraries (v.61, no.2, p.87-98, 110-112). It gives national bibliographies containing map and atlas citations, cartographic accession lists, citations to geographical journals that regularly carry lists and reviews of maps and atlases, and names and addresses of publishers and dealers who sell both new and old maps.

GIS OFFICERS

President: H. Robert Malinowsky, Assistant Director of Libraries, Univ of Kansas, Lawrence, Kansas 66044

Vice-President: Dr. Cornelius F. Burk, jr., National Coordinator, Canadian Centre for Geoscience Data, 601 Booth St, Ottawa 4, Ontario, Canada

Secretary: Mrs. Marjorie W. Wheeler, 5775 Viking Drive, Beaumont, Texas 77706

Treasurer: Donald H. Owens, Associate Chief, Information Operations Division, Battelle Memorial Institute, 505 King Avenue, Columbus, Ohio 43201

Past President: Eleanore E. Wilkins, Librarian, U.S. Geological Survey, 345 Middlefield Road, Menlo Park, Calif. 94025

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GIS Newsletter Editor: Robert McAfee, jr., Assistant to the Executive Director, American Society for Information Science, 1140 Connecticut Ave NW, Suite 804, Washington, D.C. 20036

DON'T FORGET TO VOTE

COMPLETE ENCLOSED BALLOT  
BEFORE November 1st!