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1968

GIS ELECTION RESULTS

The newly elected GIS officers for 1968 are:

President:

Dederick C. Ward III (Librarian, Earth Sciences Library, 204 Geology Bldg, Univ of Colorado, Boulder, Colo. 80302)

Secretary (President-elect):

Eleanore E. Wilkins (Librarian, U.S. Geological Survey, 345 Middlefield Rd, Menlo Park, Calif. 94025)

Treasurer:

Mrs. Georgianna D. Conant (3070 Porter St N.W., Washington, D.C. 20008)

The new officers assume their positions on January 1968.

1967 GIS CONVENTION in NEW ORLEANS, La.

The 2nd Annual Convention of the Geoscience Information Society was held in New Orleans in conjunction with the meetings of the Geological Society of America, 20-22 November 1967. We had a good turnout of about 45 members, 16 of whom attended the all-day field trip on the 19th. The symposium in the morning of the 22nd attracted about 120 people to the Gold and Rex rooms of the Roosevelt Hotel. The business meeting that afternoon concluded the convention affairs.

The GIS FIELD TRIP featured an excursion to the Louisiana State University campus in Baton Rouge. After a buffet lunch at the LSU Union, the group toured the LSU Library which houses all the university's holdings, including the Geology collection in the Science Division. The visit ended at the School of Geology building where Dr. Milton Newton, curator of the Map Room, explained the cataloging and filing procedures for the map collection.

The bus returned to New Orleans along the old River Road, "a pleasant back-water of grand mansions and small shotgun and Acadian-type cottages"; at Sunshine Bridge the group paused to climb the levee. The field trip

and other local arrangements were ably organized by Mrs. Marguerite M. Hanchey (associate librarian and head of science division, LSU Library), assisted by R. Harold Kansas and Edith Marie Sims of the LSU staff.

The GIS SYMPOSIUM on Wednesday morning was entitled "Information Systems, Services, and Networks in the Geosciences". Co-chairmen were Dr. James W. Clarke (U.S. Geological Survey) and Mrs. Kathryn N. Cutler (Stanford Univ)

The lead-off speaker, Harold L. Cousminer (American Museum of Natural History, New York, N.Y. 10024), was ill and unable to present his paper. His talk was to have described a machine-oriented information-retrieval system in micropaleontology.

Martin Weiss (National Oceanographic Data Center, Washington, D.C. 20390) discussed some "considerations in developing marine geoscience data storage-retrieval systems". General data-handling problems confronting NODC result from: a) differences in appearance and content between older and newer collections of data; b) degree of accuracy in positional determination of sample sources; c) dynamic state of instrument development and data-collecting techniques and d) lack of standardization in reporting magnitude of error in measurements. The Center has a program underway for indexing marine geologic sampling results; information on magnetic tape can be provided on what was collected, where, by whom, and, if known, with what instruments. Other data programs planned include physical properties of sediments, chemical analyses of marine sediments, heat flow, mineral resources on and in sea bottom, engineering properties of sea floor, and underwater photography.

"Geologic information storage and retrieval in the U.S. Geological Survey" was the topic of Daniel E. Appleman (USGS, Washington, D.C. 20242). The Geologic Division of USGS is implementing a computer-based system in such diverse fields as stratigraphy, paleontology, seismic and gravity data, mineral resources, and geochemistry. The Survey is developing standards for coding the most commonly used parameters in a form suitable for machine manipulation, and is considering the problems of compatibility between various data files. The

tentatively titled "Where on Earth is it?", describing how and where to find published material in the earth sciences. The guide is directed at the high school student and teacher, and at the undergraduate geology student. It is being considered for publication in the Earth Science Curriculum Project's Reference series.

Bibliography of Theses in Geology: Dederick C. Ward III reported that the bibliography of theses in geology accepted by U.S. and Canadian colleges and universities for the years 1965 and 1966 will be published by the American Geological Institute in early 1968. Titles of 1967 theses are now being gathered.

Project Development Committee: Dr. Keith Young held the first meeting of the committee during the New Orleans convention. The committee will act as catalyst--to encourage worthwhile projects, rather than to undertake or operate them. Donald H. Owens and Howard B. Shirley, both information specialists at Battelle Memorial Institute, were added to the committee. Topics under consideration include: duplicate exchange lists for library acquisitions; inventory of on-going geoscience information projects and activities; directory of exotic and hard-to-obtain publications; and the role of GIS in urging Congress to support national earth-science information activities. During discussion, it was suggested that GIS support the strengthening of the USGS Library system.

Constitution Revision Committee: Henry A. Fontaine, chairman of the committee to revise the GIS constitution, reported on the changes that have been suggested, using as a guide a revised version prepared by Mark W. Pangborn, Jr., in consultation with the GIS attorney. The committee presented the revised document for discussion by GIS attendees. Principal changes involve bylaws, dues, institutional members, chapters, and makeup & responsibilities of the Executive Committee. The new constitution aims to strengthen basic policies in light of our recent growth. The committee will mail the suggested revised constitution to the GIS membership, along with a covering letter and a ballot for members to vote approval on the proposed changes.

Topics discussed under the heading of New Business included: (1) AGI program for coordination of information services in the geosciences (see p. 8 of this Newsletter); (2) Report by Henry A. Fontaine, GIS Representa-

tive to the AGI House of Society Representatives, of the House meeting, 19 November 1967 in New Orleans; (3) AGI proposal for handling GIS administrative services; and (4) The possible role of the National Association of Geology Teachers' publication, Journal of geological education, as a publishing medium for GIS papers. The GIS Executive Committee will investigate items 3 and 4 in further detail.

After the announcement of the election results the introduction of Dederick C. Ward III as 1968 GIS President, and discussion of plans for the 3rd Annual Convention in Mexico City in November 1968, the meeting was adjourned at 3:55 p.m.

GEOSCIENCE SUBJECT HEADINGS

GIS member Myrl D. Powell, geoscience subject cataloger at the Library of Congress, is starting work on an authority list of Library of Congress subject headings in the geosciences. The project was originally suggested and discussed at GIS meetings in Kansas City (1965) and San Francisco (1966).

The list will be an extraction of all subject headings and cross references in the geosciences and closely related fields from the 7th edition of Subject headings used in the dictionary catalogs of the Library of Congress and its supplements. It is hoped that the list can be annotated in such a way that reference librarians and catalogers, as well as library patrons, will find it a useful tool in the cataloging and retrieval of geoscience materials. The list will probably be coded for machine use so that separate lists for specific fields (e.g. mineralogy, paleontology) can be generated.

The project is being done as a thesis for the MS in Library Science at Catholic University, Washington, D.C. It is hoped that a publisher will be found so that the list will be available to all geoscience librarians.

Mr. Powell has been named Head, Natural Sciences Section, Subject Cataloging Division, U.S. Library of Congress. The new section (created out of the former Science and Technology Section) is responsible for the cataloging of material in the geosciences, biological sciences, and agriculture.

CLOSING REMARKS: PRESIDENT SMITH

"I wish to thank the officers of GIS for their diligent efforts, frequent advice, and kind cooperation in managing the society's affairs during this past year, and especially for their attendance at the almost continuous meetings during the convention period. We have grown slightly over the 200 members that we had last year, and this is a good sign. We have added new members and retained almost all of the original ones. In two short years, therefore, the Society appears to have found stable footing.

"I wish to extend the gratitude of the officers and all members of the Society to our conscientious committee chairmen and the members of each committee for the many hours of detailed work that they have put into the several projects. From the presentations made earlier you can all appreciate the extensive work that some have contributed gratis to plan and prepare publications useful to all geoscientists.

"Many of my off-duty hours for the past three years have been spent on GIS: first in the planning stages and in the last two years in helping the society to take its first steps as an independent, full-fledged organization. No one was more amazed to see the applications pour in after GIS was organized and to note that within the first three months we had 100 members. That the society will grow and prosper and make important contributions is now a certainty.

"I am happy to turn over the gavel to, and to place the responsibilities in the capable hands of, our President for next year, Dederick C. Ward III"

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GIS will have a booth at the Geological Society of America Northeastern Section's annual meeting, Shoreham Hotel, Washington, D.C., 15-17 February 1968.

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The Special Libraries Association (SLA) has moved its headquarters in Manhattan. SLA's new address is 235 Park Ave South, New York, N.Y. 10003. The office phone number remains the same: (212) 777-8136.

OPENING REMARKS: PRESIDENT WARD

"It was certainly a rewarding experience to attend our Annual Convention in New Orleans and discover the rising tide of enthusiasm for our goals as exhibited by GIS members and by an ever increasing number of geologists. It is very encouraging to see the geological community becoming more involved in the information problems confronting the profession.

"However, we are only on the threshold, and we will step across it only when the main body of geoscientists lends its full support behind the documentation effort. May I draw your attention to the special information issue of Geotimes (see p.6 of this Newsletter)? The articles tell why it is necessary for geologists, as individuals and as members of professional societies, to keep pace with the rapid advance of technology.

"Regarding our Society, I'd like to mention a few things that come to mind. One is the re-drafting of a new constitution for GIS, on which you will now have a chance to vote. Little did we realize we would need to revise our basic document so soon--but we blossomed rapidly. Our new constitution is the result of many hours of hard labor--yet, it is simple, clean, and basic. It provides for the establishment of chapters, a vehicle that will allow us to concentrate cooperation in particular regions, domestic and abroad, and define more sharply the geoscience information efforts in foreign countries.

"Also, there is the matter of liaison. It is important that GIS be kept up-to-date and thoroughly informed regarding documentation activities outside GIS; and conversely, it is desirable that other organizations be apprised of GIS programs and activities. One way we can accomplish this is through our own members who also belong to other organizations (for example, I have appointed Dr. Keith Young as GIS representative to the National Association of Geology Teachers). I urge that you make known to me your affiliations and your desire to serve GIS as liaison, either officially or informally.

"On behalf of GIS may I express appreciation to the officers, committees, and special representatives for their capable efforts during the past year. In particular, a very special thanks to Mrs. Harriet W. Smith for her leadership and loyal dedication"

GEOTIMES INFORMATION ISSUE

The November 1967 issue of Geotimes (v.12, no. 9, p.9-22) is devoted to the information explosion. GISer and Managing Editor Wendell Cochran, in his editorial "Information on information", notes that solutions to the information-handling problem are scarce since there is little agreement on what needs to be done or how to do it. The U.S. National Science Foundation is ready to help, but only after the professional societies in the geological sciences can agree on what must be accomplished. GIS has a crucial role to play in working with other professional groups to help identify problems and indicate possible solutions.

In the first article, Information and the societies, GISer Foster D. Smith, Jr. (American Geological Institute) examines the role of the professional societies in the information process. The challenge facing these groups is formulating a program of cooperative action that "can transform the random information-exchange patterns into an efficient and effective integrated information system" (see p. 8 of this Newsletter).

A.T. Miesch (U.S. Geological Survey), in his paper Geologic data--some comments on quality, discusses how computer people handle raw data. Emphasis is placed on proper geological measurements (the raw data) in regard to errors, consistency, and quality.

Computer use in Europe, by Daniel F. Merriam (Kansas Geological Survey), surveys the hardware being used and the problems under attack by European geologists, who, "by all indications ... will be using computer methods more frequently in the future".

Martin Weiss and James Churgin (National Oceanographic Data Center) look to the future in Marine geoscience--one Federal program. Potential uses of the world-wide data being gathered by NODC are described; what is needed is a comprehensive data base with a complementary retrieval system.

In Recent developments in geoscience libraries, GISer Mark W. Pangborn, Jr. (U.S. Geological Survey) tells us that the library as merely a well-organized collection of books is in for some changes. Computers and a new professional society (GIS) are leading to better service for users; but the manpower shortage approaches a critical stage, and a new breed of geologist-librarian is demanded.

Wendell Cochran (American Geological Institute) describes the biologists' preprint exchange experiment, the so-called Information Exchange Groups, in Unconventional communication processes. The IEGs, intended to shortcut publication delays, have ended, but their successes and failures may have meaning for the earth sciences.

The last paper, Information synthesis and transfer by Donald H. Stromberg (information consultant), describes formal patterns of the communication process among scientists. The roles played by the Government, societies, and individuals are examined.

GEOLOGICAL DATA in CANADA

Canada may be the first country in the world to develop a national system for computer storage, retrieval, and exchange of non-confidential geological data. The Ad Hoc Committee on Storage and Retrieval of Geological Data in Canada has published, through its parent organization, the National Advisory Committee on Research in the Geological Sciences, a report that lays the groundwork for such a system.

Entitled A national system for storage and retrieval of geological data in Canada, the 175-page report is the result of a directive from the National Advisory Committee "to take the necessary steps to develop a national system for the recording, storage and retrieval of geological data in computer-processable form". The immediate need for such a system "results from the current expansion in the volume of geological data and the increased availability and use of computers for data storage and treatment".

GISers C.F. Burk, Jr. (Geological Survey of Canada) and Frank T. Dolan (Imperial Oil Ltd.) are contributors to the report (see p. 2 of this Newsletter), which represents two years' intensive study by a group of about 100 scientists from industry, universities, and the Federal and Provincial governments.

As proposed in the report, the National System will provide standards for computer-processable files and will ensure the coherent future development of electronic data processing in Canadian geology. The System will consist of computer-based data files held and controlled

by individual organizations; there are already 135 computerized files of data on the earth sciences in Canada (many containing up to a million scientific items), and the number of such files will multiply rapidly in the next 10 years.

Files within the System will be linked by the voluntary use of standard methods of recording reference numbers and geographic location, and of coding. Establishment of minimum standards for data collection would avoid the chaotic development of files and wasteful duplication by the many organizations using geological data, would stimulate new research and serve as an important education tool, and would enable easy retrieval and transfer of data.

As a first step towards a National System, a computer-assisted method for indexing geological data has been selected and tested. The Index will lead geologists to data stored anywhere in Canada in any form, whether computer-processable or traditional. The report recommends procedures and standards of observation and measurement for data on deposits of minerals, including fossil fuels, and the results of geological and geophysical field studies. The first project (already begun) is the coordinate indexing of data on geological maps of Canada.

To attain the objectives envisaged by the National Advisory Committee, the evolution of the National System requires the guidance of an organization that will coordinate developments and disseminate information. This organization is to comprise a permanent "secretariat" body with advisory and operational arms. The report strongly recommends the immediate establishment of such a body.

Copies of the report are available from the Geological Survey of Canada, Ottawa 4, Ontario, Canada. Prepayment of \$2.00 is required.

ASSOCIATION of EARTH SCIENCE EDITORS

The first conference of the AESE was held 16-17 October 1967 at The Chemical Abstracts Service facilities, Columbus, Ohio. Panel discussions centered around "cooperation among editors", "new concepts in publishing: what constitutes scientific publication?", and "editing earth science journals". The last-

named was an open session that included discussion of page charges, unconventional publications, copyright problems, computer programs, and backlogs.

The earth science editors agreed that present methods of publication are not keeping pace with the increasing number of papers and reports being prepared, and that they should consider as possible solutions new concepts and new technology as opposed to the more conventional methods. In addition, the editors unanimously agreed that more direct communication and cooperation among editors, especially in the earth sciences, was an immediate need.

During the business meeting, AESE discussed the draft constitution and bylaws, established committees, investigated projects (including editorial policy and style), and considered a 1968 meeting. There was a guided tour through the impressive facilities of The Chemical Abstracts Service.

AESE has asked GIS to look into the problem of identifying sources and dissemination points of technical reports that are not available through the regular distribution channels of the U.S. Clearinghouse for Federal Scientific and Technical Information and of comparable agencies. Mrs. Carrie W. Eagon (Chief Librarian, Esso Production Research Co., Box 2189, Houston, Tex. 77001) has agreed to head up an ad hoc group within GIS to investigate this problem. GISers interested in serving on the group should notify Mrs. Eagon.

The Chairman of AESE is Dr. William A. Oliver, Jr., editor of Journal of paleontology. The Vice-Chairman is Dr. Arthur A. Meyerhoff, managing editor at the American Association of Petroleum Geologists. Secretary-Treasurer is Thomas F. Rafter, Jr., manager of the translations program at the American Geological Institute. For further information regarding AESE, write Mr. Rafter, AGI, 1444 N St N.W., Washington, D.C. 20005.

GISers who attended the AESE conference included: C.F. Burk, Jr.; Wendell Cochran; Robert J. Floyd; Robert McAfee, jr.; Arthur A. Meyerhoff; Thomas F. Rafter, Jr.; Martin Russell; and Marie Siegrist.

AGI SCIENCE INFORMATION PLANNING PROJECT

On 21 June 1967, the American Geological Institute received a grant from the National Science Foundation (NSF) to support a preliminary study of a comprehensive information service in the geological sciences. Through this liaison grant, representatives from a majority of AGI member societies have become increasingly aware of the information problem faced by the geological community.

On 29 October 1967, the AGI's Council of Society Presidents unanimously adopted a resolution proposed by GIS President Harriet W. Smith that the Institute "develop a plan for a coordinated information system in the geological sciences". The AGI Board of Directors subsequently authorized a 2-year science information planning project, and the Institute is presently formulating a proposal to NSF requesting funds to support it.

The general goals are:

- 1) develop a concept for a rational information system in the geosciences, and define long-range goals and general policy
- 2) formulate a tentative plan for geoscience information activities for the three-year period, 1969-1971
- 3) support and coordinate on-going geoscience information projects and proposals
- 4) devise a program for continuing the analysis and coordination of geoscience information activity

In order to carry out this program, a Committee on Science Information will be appointed by the President of AGI. This committee will formulate general policy and an integrated long-range plan of geoscience information requirements; it is to be composed of 9 geologists nominated by the member societies. GIS President Smith nominated Dr. C.F. Burk, Jr. (Geological Survey of Canada). Another GISer, Dr. Howard R. Cramer (Emory University), was nominated by the National Association of Geology Teachers.

The proposal also envisages travel support for eight "working groups" which will assist the Committee. The contemplated 3-man groups will be composed of representatives of interested

societies and of other pertinent organizations and will be established to consider objectives and requirements in approximately eight primary aspects of science information:

- 1) bibliographic services and publications
- 2) translations
- 3) vocabulary and terminology
- 4) meetings and personal communications
- 5) library sources and services
- 6) special information and data services
- 7) primary publications
- 8) information on current research

The working groups will suggest policy and submit recommendations to the Committee; they will not be expected to perform the actual work recommended.

AGI will provide professional and clerical staff support for the Committee and working groups. Outside consultants will also be employed on occasion. The Institute plans to invite representatives from Great Britain in order to broaden the base of coordination.

An essential feature of the AGI proposal is the coordinated leadership and direction emanating from the member societies. In order for this to occur, the societies must be given the opportunity to participate in planning the system program, and to become aware of available resources and state-of-the-art of information processing. GIS can assume a critical part in contributing its collective experience and expertise in an area that directly involves most of us day by day. Any GIS member who is interested in possibly serving on one of the working groups is urged to write GIS President Dederick C. Ward III.

GIS MEMBERSHIP DIRECTORY--1967

Copies of the membership directory, September 1967 edition, prepared by Henry A. Fontaine, have been mailed to GIS members. Additional copies are available from the GIS Secretary, Eleanore E. Wilkins (see address on page 1).

Errata in directory: Spletstoeser (not Splettestoeser); correct zip codes for Phiney (08540), Wheeler (75235), Weinstock (20037). Address changes: Bruce D. Smith, Box 2121, Stanford, Calif. 94305; Paul Howel, Box 1371, Jonesboro, Ark. 72401; Nancy D. Anderson, 1626 W. Estes Ave, Chicago, Ill. 6061

GISers in the NEWS

Margaret DeGroot (geoscience librarian, Atlantic Richfield Co., Dallas) married geologist James F. McLean during the autumn.

Dr. Robert B. Johnson is now at Dept of Geology, Colorado State Univ, Ft. Collins, Colo.; he was formerly chairman of Dept of Geology and Geography at DePauw Univ, Greencastle, Ind.

Dr. C.F. Burk, Jr. (geologist, Geological Survey of Canada) is a member of the American Association of Petroleum Geologists' committee on standard stratigraphic coding. The AAPG has adopted a computer scheme devised to establish a single standard for encoding geologic information for computer manipulation.

Marjorie W. Wheeler (librarian, Southwest Center for Advanced Studies) and her husband, Robert R. Wheeler, published an article in the October 1967 issue of Journal of geological education (v.15, no.4, p.151-152) titled "Library challenge in earth science". The authors explain the "opportunities and motivations by which the librarian may assist the scientist". The article is directed to those "who may be considering the nature of special training, procedures and rewards of advancing earth science as a librarian"

Dr. Sigmund I. Hammer has accepted an appointment of Professor of Geophysics at the Univ of Wisconsin beginning with the Fall semester 1967-1968. He retired in 1966 as Research Associate and as Head of the Gravity Section in the Exploration Dept at Gulf Research and Development Co., Pittsburgh, Pa. At the Univ of Wisconsin he will teach courses and conduct research programs in geophysical exploration, the earth's gravity, and physics of the earth. Dr. Hammer's new address is: 143 Science Hall, Univ of Wisconsin, Madison, Wisc. 53706.

Katharine van Geel has retired from the U.S. Geological Survey, where she had been a map librarian. Janet R. Katz-Masson has left the Univ of Illinois Catalog Dept and will live in Hamburg, Germany, for a year.

Diana R. Taschuk, formerly librarian at Placer Development Ltd, Vancouver, is now librarian in the Science Division at the Univ of British Columbia Library, Vancouver. Her replacement at Placer Development is Helen Ng.

The Univ of Houston promoted Science Librarian Sara Aull from Associate Professor to Professor effective September 1967. The Univ of Illinois promoted Geology Librarian Harriet W. Smith from Instructor to Assistant Professor, also effective September 1967.

William Rucker Greenwood (Instructor of Geometrics, Univ of Idaho) authored a paper in Science (1 Dec 1967, v.158, p.1180) entitled "Deformation lamellae parallel to (10 $\bar{1}$ 3) and (0001) in quartz of the Coeur d'Alene district, Idaho".

Effective 6 November 1967, Bill L. Long (chief, Earth Sciences Branch, U.S. Science Information Exchange) is on one-year loan from SIE to the National Council on Marine Resources and Engineering Development, under the executive office of the President. The Council's mission is to carry out planning management aspects of marine sciences activities. Mr. Long is serving as a consultant in setting up a marine sciences information unit. GISer Joseph P. Riva, Jr., is the acting chief of the Earth Sciences Branch at SIE.---Mr. Long described the water resources research indexing activities at SIE in an article "National cataloging center for water resources research" in the Journal of the American Water Works Association, Aug 1967, v.59, no.8, p.930-934.

Doreen M. Sutherland (librarian, Geological Survey of Canada) attended the 3-week Seminar on Computer-Based Systems for Libraries, in Urbana, Ill., during the Summer 1967. The seminar was sponsored by the Graduate School of Library Science of the Univ of Illinois, in cooperation with the university's Division of University Extension.

Harold R. Malinowsky (science and engineering librarian at Univ of Kansas) is the author of a newly published book, Science and engineering reference sources--a guide for students and librarians, published by Libraries Unlimited, Box 9842, Southtown Branch, Rochester, N.Y. 14623. The textbook, which annotates 435 titles in 9 subject areas (including geology), is designed for use in science literature courses. Price: \$5.

Dr. Keith M. Clayton (Dean, School of Environmental Sciences, Univ of East Anglia, Norwich, England) has started a compilation of journal literature in the fields of geography, geomorphology, and geology. The initial work is being done on British journals.

Melvin Weinstock (senior resident information consultant, Herner & Co., Washington, D.C.) has been named a staff member (representing the private sector) of the Task Group on the Interchange of Scientific and Technical Information in Machine Language, a joint effort of the National Academy of Sciences and the NAS/NAE Committee on Scientific and Technical Communication (SATCOM). He is also a member of the Committee to Investigate Copyright Problems in Communications, Science and Technology; chairman of CICP is Dr. Howard A. Meyerhoff, whose new address is 3625 South Florence Place, Tulsa, Okla. 74105.

Volume 2 of "Encyclopedia of Earth Science Series", edited by Dr. Rhodes W. Fairbridge (Professor of Geology, Columbia Univ) and published by Reinhold, has just been issued. Its title: The encyclopedia of atmospheric sciences and astrogeology. Price: \$35.

NEW MEMBERS of GIS

- Boyer, Dr. Robert E.: Professor of Geology and Education, Dept of Geology, The Univ of Texas, Austin, Tex. 78712
- Carl, Joseph C.: Information Scientist, Gulf Research and Development Co., Box 2038, Pittsburgh, Penna. 15230
- Cochran, Wendell: Managing Editor, Geotimes, American Geological Institute, 1444 N St N.W., Washington, D.C. 20005
- Cowgill, Logan O.: Assistant Manager, Water Resources Scientific Information Center, Office of Water Resources Research, U.S. Dept of the Interior, Washington, D.C. 20240
- Keener, (Mrs) M. Katherine L.: Technical Information Specialist-Librarian, Lunar Receiving Laboratory, Manned Spacecraft Center, U.S. National Aeronautics and Space Administration, Houston, Tex. 77058--Attn: Mrs. K. Keener TH5
- Kupfer, Dr. Donald H.: Professor of Geology (Structure), Dept of Geology, Louisiana State Univ, Baton Rouge, La. 70803
- Ng, Helen: Librarian, Library, Placer Development Ltd, 800 Burrard Bldg, 1030 West Georgia St, Vancouver 5, British Columbia, Canada
- Rosaire, Sister M. Joseph: St. Mary's School, 26 South Hamilton St, Poughkeepsie, N.Y. 12601
- Sims, Edith Marie: Head, Government Documents Dept, Library, Louisiana State Univ, Baton Rouge, La. 70803

- Shipman, Ross L.: Assistant Executive Director, American Geological Institute, 1444 N St N.W., Washington, D.C. 20005
- Wales, (Mrs) Francine A.: Planning Supervisor, Vanguard Exploration Co., 610 Third St, San Francisco, Calif. 94107
- Woods, Mary Louise: Geology Librarian, Box 15, Leonard Hall, Univ of North Dakota, Grand Forks, N.D. 58201

ANNOUNCEMENTS

In 1967, Syracuse University Libraries issued two pamphlets authored by Jessie B. Watkins: (1) Information sources in the earth sciences; a guide to selected materials in the Natural Sciences Library, Syracuse University (46 pages); and (2) Selected bibliography on maps in libraries (revised and enlarged from the 1965 edition). The first item is a partially annotated bibliography of reference materials in the earth sciences. The latter bibliography includes "sources of acquisition map collections in different libraries, methods of cataloging and classification, and various types of maps and atlases". Both pamphlets are available from: Gifts & Exchange Division, Acquisitions Dept, Syracuse Univ Libraries, Syracuse, N.Y. 13210.

In the summer of 1968, the Graduate School of Library Science of the University of Illinois will again offer an 8-week course on maps and cartobibliographical aids. Officially section H of L.S. 433 "Advanced Subject Bibliography", the course consists of an examination of the problems involved in the acquisition, care, and library use of maps. The instructor of the course will be GISer William W. Easton, Map Librarian of Illinois State University. Tuition is \$20 for Illinois residents and \$80 for non-residents; students from other universities will be welcome up to the limit of available space if they are currently candidates for a degree in a library school, or geography or other academic dept. For further information, write Director, Graduate School of Library Science, Univ of Illinois, Urbana, Ill. 61801.

Chauncy D. Harris is the author of Bibliographies and reference works for research in geography, issued by the Dept of Geography of the Univ of Chicago, in October 1967. The 89-page bibliography, containing 619 entries is selective in providing primarily an intro

AGI OFFICERS

duction to geographic bibliography, not a comprehensive inventory; it is compiled specifically for American students and thus gives primary attention to sources in the United States. The bibliography is a supplement to Wright & Platt's Aids to geographical research, 2nd edition published 1947 for the American Geographical Society by Columbia University Press. Entries in Wright & Platt generally are not repeated in this new work.

The International Science Information Services, Inc., and the University of Dallas are jointly sponsoring a 3-day seminar and workshop on "the methods of recording well bore data in digital form; the conversion of information which is recorded in analog form into the digital form; and the analysis of the digitized data", 31 January - 2 February 1968, at the Univ of Dallas, Dallas, Tex. The seminar will include discussions of methods of digitizing logs, results and applications, and the transmission of data and standards for input. Additional information may be obtained by writing James W. Chism, Program Chairman, c/o ISIS, Central Exchange Bldg, 777 South Central Expressway, Richardson, Tex. 75080.

The president of the American Geological Institute for 1968 is Laurence L. Sloss of Northwestern Univ. He was elected by the House of Society Representatives, which acts for the 16 professional and scientific societies that make up the Institute.

William B. Heroy, Jr., of Teledyne Inc., Dallas, was elected vice-president. Re-elected were the vice-president of finance, Laurence Brundall, a consulting geologist of Santa Barbara, Calif., and the secretary-treasurer, J. Thomas Dutro, Jr., of the U.S. Geological Survey, Washington, D.C.

Continuing their terms as board members are Hugh M. Thralls of Geo Prospectors Inc., Tulsa, Okla., and Peter T. Flawn of the Bureau of Economic Geology at the Univ of Texas, Austin. The past-president, B. Warren Beebe, a consulting geologist and geophysicist of Boulder, Colo., will also serve on the board in 1968.

GIS Newsletter

Editor: Robert McAfee, jr., American Geological Institute, 1444 N St N.W., Washington, D.C. 20005.

The editor encourages GIS members to contribute news items for future issues of the Newsletter. Also, any member not receiving the AGI news magazine Geotimes should write directly to AGI or to Mr. McAfee to insure that the mailing list is complete and accurate.