



# GSA news & information

G.S.A. ARCHIVES

VOLUME 5, NUMBER 1

JANUARY 1983

## The First Six Months

### Special Report from the Executive Director

As the new Executive Director of the Society, I welcome this opportunity to report to you on those activities and events that have taken place since I assumed the position last May. I also will comment on some of my perceptions of the Society and on certain ideas regarding future activities and directions that we might consider.

At the outset, I must tell you that I had several objectives in mind when I accepted the position of Executive Director. Some of these were short term and others will require a longer period of time to accomplish, but all are realistic and attainable. Paramount among these is to make GSA the premier Society within our profession. We should publish the best science from every aspect of our discipline and support the very best in research. At the same time, it is essential that we have an enthusiastic and dynamic membership that takes an active part in the affairs of the Society and in the promotion of our science at all levels and on all fronts.

Traditionally, we are what could be termed a very conservative society, an identity that is not necessarily bad, yet one that I believe must be modified if we are to grow and prosper as a leader. It is absolutely essential to our well being that we increase membership in the Society and, at the same time, improve and expand our programs and membership benefits, as well as the quality of our publications. Recent changes in our publications policies and the appointment of out-of-house editors for the *Bulletin*, *Geology*, and other publications have launched us strongly in the right direction. Additional changes and improvements in all of our publications are anticipated and will be discussed later in this report.

Another of my major objectives is to reorganize some of our headquarters functions and run the affairs of the Society in the most effective and efficient manner possible. This is no small task in the face of a depressed economy and ever-increasing costs, but it is something that I promise will always receive my utmost attention. To that end, let me brief you on some activities that have already occurred and changes that will be taking place.

#### **Computerization Project**

The computerization of headquarters operations (membership, accounting, administration, and meetings depart-

ments) is on schedule. We are presently seeking bids and should have the hardware in-house by the first of the year. An expert in the operation of our system is presently meeting with the staff on the design of appropriate software to meet our operational needs. The order of priority for going on-line is membership department, first, followed by the administrative and accounting departments, and then the meetings department.

#### **Special Survey on GSA**

The survey of Society members and nonmembers authorized by Council last year and conducted by Entercom, Inc., of Denver, now has been completed. The final report was received late in October and is to be a major item for discussion by the Executive Committee and Council at their meetings in January and May, 1983. A summary of the survey results follows on page 2.

#### **Progress Report on GSA Bulletin**

The November issue of *GSA News & Information* reported several changes in the *Bulletin*, including selection of the A.B. Hirschfeld Press of Denver as *Bulletin* printer beginning January 1983. In addition, future issues will be packaged in clear polybags, and the cover of *Bulletin* is being redesigned. Even with these improvements, we will realize savings in excess of \$10,000 per year by moving the printing and mailing operations into Denver.

#### **Progress Report on Geology**

With regard to *Geology*, I am pleased to report that it is rapidly becoming one of the most important and widely recognized refereed publications in the earth sciences. The elapsed time from manuscript acceptance to publication is only four months, making it an extremely attractive medium for the early publication of new data.

#### **New Book Editor Appointed**

In the area of other publications the Council has appointed Dr. Campbell Craddock of the University of Wisconsin as Science Editor for books. You should also be aware  
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(Executive Director report, continued)

that A. R. "Pete" Palmer has done an outstanding job for us as interim editor. In fact, manuscripts for two new memoirs and three special papers have been accepted in the last four months.

#### **News & Information Improvements Planned**

Also in the area of publications, serious consideration is being given to changing the format and image of our monthly newsletter, *GSA News & Information*, to bring it more in line with what a Society newsletter should be. We hope to accomplish this by utilizing expertise that is currently on staff.

#### **Closing of Our In-House Print Shop**

Effective January 1, 1983, the GSA in-house print shop will be closed permanently. The operation is simply not cost effective and we can no longer afford the luxury and convenience of our own facility. Next year all of our printing jobs will be done by local vendors on a yearly contract basis, an action that will also result in a substantial cost savings.

#### **Member Applications Increase**

Regarding membership, I am pleased to report that the number of new Members who joined the Society from May through September 1982, including transfers from student status to membership status, was up more than fifty percent compared with the same time period last year. Also, the total number of new Student Associates during the same period increased nearly two hundred percent compared with the same five-month period in 1981.

#### **A "New Breath of Life . . ."**

In summary, I have found these first six months to be a very challenging yet satisfying experience. We are moving in the right direction and I detect a new breath of life within the Society, but we still have a long way to go. I welcome your suggestions, your participation, and your support as we search for new and better ways to improve GSA.



F. Michael Wahl

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### Survey Results Now Available

## **Survey Indicates Positive Feelings Among GSA Membership**

More than 80% of GSA members believe that GSA is a progressive society which fulfills well a definite need for a generalist society for earth scientists, and they believe that their GSA membership increases their professional status. One-third of GSA members feel strongly enough about their Society that they would be willing to serve on committees even if they were not reimbursed for related expenses.

These and other positive indications about GSA, along with some indications of areas that need attention, reflect the results of a just-completed survey sponsored by GSA in the earth science community.

The survey was initiated last year when GSA's Council authorized employment of a professional public relations research firm, Entercom, Inc., of Denver. The goal was to obtain hard data about how Society members and nonmembers feel about the operations, functions, and services that the Society provides to the scientific community.

Researchers and analysts from Entercom, Inc., working with two GSA Executive Directors, John C. Frye and F. Michael Wahl, and a task force of selected GSA headquarters staff members, developed two surveys. One was designed for GSA members, the other for earth scientists who are not members of the Society.

The surveys were conducted in the weeks immediately preceding the 1982 Annual Meeting in New Orleans, and the results were presented to GSA's Council at that meeting.

The following statements summarize many of the most interesting results detailed in the voluminous report. In each statement, the percentages quoted should be understood to reflect the response from the appropriate member or non-member sample surveyed.

#### **Survey Responses**

- \* 36% perceive GSA as the most important earth science society to which they belong, and an additional 30% perceive GSA as the second most important society. A rather large group of GSA members, 21%, perceive AAPG as the most important society to which they belong.
- \* 81% believe that there is a need for a generalist society for earth scientists while 16% do not.
- \* 82% feel that GSA fulfills the need for a generalist society for earth scientists while 16% do not.
- \* 73% believe that their membership in GSA increases their professional status while 22% do not.
- \* 68% believe that GSA is a progressive society while 24% do not.
- \* 68% believe that recent policy changes have improved GSA while only 8% do not.
- \* 58% of GSA members and 50% of nonmembers select a society as "most important" on the basis of its relationship to work or field of interest.
- \* Of the GSA members who believe that AAPG is the "most important" society to them, 78% made that decision on the basis of relationship to their work or field of interest.

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(survey results, continued)

- \* 77% believe that GSA publications have a broad appeal to earth scientists while 19% do not.
  - \* Of nonmembers, 40% feel GSA is not pertinent; 19% feel membership is too costly, and 19% feel GSA is too academic.
  - \* When members were asked what they thought were GSA's main advantages, 50% said publications, 30% said personal contacts, 27% said meetings, 3% said none.
  - \* When asked what were GSA's main disadvantages, 29% said cost, 15% said nonrelevance, 13% said too academic, and 32% said none.
  - \* When members were asked to indicate unaided the GSA services of which they were aware, 45% said annual meetings, 41% said publications, 24% said employment services, and 6% knew of no services provided through membership.
  - \* When asked to evaluate a list of GSA services, most services were perceived as useful by at least 75% of the members.
  - \* When asked to suggest additional services GSA should provide, 62% of members had no suggestions, and 42% had some suggestions but there was no consistency in those suggestions.
  - \* When asked to suggest changes in GSA's operations, 12% suggested broader coverage, 9% suggested focus on less academic and more practical issues, and 37% said none.
  - \* 50% of members indicated they would prefer to change the procedures for electing Society officers to provide two candidates for each office.
  - \* 73% said they were likely to attend specific workshops if GSA were to provide them.
  - \* Only 20% of GSA members and 15% of nonmembers think involvement in the affairs of a society is very important; 51% of members thought that involvement in a professional society was at least somewhat important, and 72% of that 51% believe that GSA offers sufficient opportunity for involvement.
  - \* Of the members, 11% said they have served on a Society committee or Council, 14% have applied for research grants, 34% regularly attend annual meetings, and 43% regularly attend section meetings.
  - \* 33% of members said they would be likely to serve on Society committees even if they were not reimbursed by the Society for related expenses.
  - \* 53% of members think that member participation in Society decision-making is about right, and 29% think it is too little.
  - \* When members were asked their opinion about cost of Society services, 64% said membership dues were about right and 34% think they are too high; 52% said cost of meeting registration was about right and 26% think it is too high; 72% and 73% said that cost of maps and books, respectively, are about right and 5% and 15%, respectively, think those costs are too high.
  - \* When asked to recall unaided what professional publications they receive, only 83% of members named *Bulletin* and even fewer, only 67%, named *Geology*. Surprisingly, 9% also named *News & Information*, the Society's membership newsletter, which is not normally perceived as a professional publication.
  - \* Of the members, 61% said they do not purchase any GSA publications other than the journals and newsletter which are part of the dues package. Of nonmembers, 89% said they do not purchase any GSA publications.
  - \* The suggestions made most often for improving GSA publications were to provide wider scope of topics and to shorten journal articles.
- The above summary of survey responses reflects the overall tone of the report, which is generally positive. More important, the report contains valuable information and data that will be used by GSA management and the Council in continuing efforts to improve the services of the Society. Recommendations based on the report will be presented to the Council in May.

### HYDROGEOLOGY DIVISION SCORES A FIRST

The Hydrogeology Division of the Society recently scored a first by making a \$500 contribution to the DNAG Program. It is hoped that the other divisions will lend their support to this important project by considering similar contributions.

## UPCOMING MEETINGS

### Exploration Managers' and Drillers' Seminar, San Diego, California, January 17-21, 1983

Offered by the University of Missouri-Rolla, the seminar will be held at Sheraton Airport Inn, San Diego, California, January 17-21, 1983. The objective of this seminar is to instruct drillers, drilling superintendents, field engineers, and geologists in proper techniques and procedures of soil and shallow rock drilling and sampling that will result in exploration data and test samples of high quality for engineering reconnaissance and design, without sacrifice of drilling production. Hollow stem auger drilling and sampling, core drilling, mud-rotary drilling and sampling, use of the cone penetrometer, pressuremeter and dilatometer, the possible errors and proper technique of standard penetration testing, drill rig performance, properties, uses and technology of drilling mud, selection of coring procedures and installation of piezometers and observation wells will be covered. Fee: \$475.00. Includes selected notes.

For further information, contact Dr. Norbert O. Schmidt, Professor of Civil Engineering, University of Missouri-Rolla, Rolla, MO 65401. Phone: (314) 341-4473 or 341-4200.

### 26th Annual Meeting, Association of Engineering Geologists, San Diego, California, Oct. 3-8, 1983

Call for abstracts, Association of Engineering Geologists Annual Meeting, Sheraton Harbor Island Hotel, San Diego, California, October 3-8, 1983.

Symposia, short courses, field trips, harbor cruises. Contact Dennis Hannon, c/o Leighton and Associates, 7290 Engineer Road, Suite H, San Diego, CA 92111. Phone: (619) 292-8030.

### 5th International Conference on Basement Tectonics, Cairo, Egypt, Oct. 16-20, 1983

Conference topics will be the origin, extent, distribution, and practical significance of basement fracturing, with emphasis on the latter.

Also planned will be pre- and post-conference field trips to Aswan, Luxor, Western Desert, Eastern Desert, crystalline basement areas, and possibly the Sinai.

Please submit abstracts by April 16, 1983, to Program Chairman, Dr. Patrick J. Barosh, Weston Observatory, Concord Road, Weston, MA 02193.

For general information, write to Vice-Chairman, Conferences, Dr. John J. Gallagher, Jr., Cities Service Company, Box 3908, Tulsa, OK 74102. In Egypt, contact Dr. Samir Riad, Department of Geology, University of Assiut, Assiut, Egypt.

### 1983—First International Conference on Paleooceanography, July 19-21, 1983, Zurich, Switzerland

Almost eight years have gone by since the last Planktonic Conference in 1974 at Kiel. The three Planktonic Conferences have been most useful. The commonly used Cenozoic zonation for foraminifera and nannoplankton have been published in the proceedings of the conferences. Interest in paleoceanography has risen sharply. With the continuing deep-sea drilling of the last eight years and the innovation of sampling by hydraulic piston-coring, knowledge of paleoceanography and marine geochronology has made quantum jumps. Several symposia have been organized during meetings of GSA, JOA, etc., but another Planktonic Conference has not been held because paleoceanographers and marine geochronologists are not organized well enough to ensure a regular gathering. Also, the scope of study of the deep-sea sediments has been much broadened since the First Planktonic Conference at Geneva in 1967. Workers are interested not only in precision-stratigraphy and marine geochronology but also in investigating physical and chemical processes in past oceans. A new science, *paleoceanography*, has been born. Therefore, a First Conference on Paleooceanography will be held in place of a Fourth Planktonic Conference.

A special feature of this first conference will be a symposium on South Atlantic paleoenvironments, with invited and voluntary contributions. Five cruises of the Deep Sea Drilling Project were devoted to this theme. The cruises were planned by the now defunct South Atlantic Working Groups of the Ocean Paleoenvironment Panel of JOIDES, and the drilling was carried out during 1980. Now the cruise reports are either in press or are about to be completed. The symposium will bring workers together to determine if the results of the cruises led to the same conclusions concerning the first and last appearances of datum levels calibrated against an impeccable magnetostratigraphy. Discussions will include changes in Cenozoic climates, ocean-circulation patterns, levels of CCD, the causes of those changes, etc. Also welcome are contributions for the general sessions on various aspects of research in paleoceanography and marine geochronology. Concrete plans about publications have not yet been made. The symposium contributions may be published as a single volume. Extended abstracts of all oral presentations may be published as a Proceeding of the Conference.

The Zurich meeting will include a General Assembly of participants to discuss the desirability and feasibility of an international organization, such as an international association of paleoceanography, so that a standing committee will be established to ensure the continuing scheduling of future paleoceanographical conferences at regular intervals.

Contact Dr. Ueli Briegel at Geological Institute, ETH-Zentrum, 8092 Zurich, Switzerland, for information and registration forms.

  
*Meetings announcements  
and other items of general interest  
to the geologic community are published in  
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as space allows.*

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# CENTENNIAL NEWS by Allison R. (Pete) Palmer

## 1982 Annual Report on the DNAG Project

Quite a bit of progress was made in 1982: the first DNAG publication was produced; strong funding support was received and we are within sight of our goal of \$4 to \$4.5 million; organizational workshops for more than half of the regional geology volumes for *The Geology of North America* to be produced by GSA were held; Centennial Field Guides for five of the Sections are now being organized; and compilation of the new Geological Map of North America is underway. Now for some of the details.

**Perspectives in Regional Geological Synthesis** was published in June as DNAG Special Publication #1, with a price tag of \$7.50 for non-members and \$6.00 for members. This is turning out to be a useful book for courses in Regional Geology and has been ordered for several classes. Keep it in mind!

**Funding:** The GSA Foundation now has well over \$3 million in cash or pledges towards the ultimate funding goal of \$4 to \$4.5 million for the DNAG Project. Strong industry support has provided the bulk of the dollars, but there is still a need for increased support from the GSA membership. We look forward to your help for much of the last million! Be sure to designate your contributions to *The DNAG Fund*.

**Workshops for *The Geology of North America*:** If you have been following this column, you have seen the outlines developed at 6 of the 7 synthesis volume workshops held in 1982. Most of the detailed chapter outlines for three of these are now in hand, and the first volume will be close to publication by January of 1984. Planning workshops for 4 additional volumes are already set for the first half of 1983.

**Centennial Field Guides:** Leadership has now been identified for five of the Centennial Field Guides. Tentative lists of the best 100 sites (for criteria, see February 1982 *News & Information*) for each of the guides will be

available for examination at the appropriate spring Section meetings, along with examples of several site descriptions. If you have sites to recommend, contact your Field Guide Organizer. (See accompanying list).

**Geological Map of North America:** In accord with the response to the questionnaire published in the January 1982 *News & Information*, marine "bedrock" geology will be shown on the new North American Geological Map for the first time. The compilation schedule calls for a preliminary draft of the southeastern quadrant of the new map to be ready for display at the Indianapolis meeting this fall.

**Participation:** Including the individuals who have already agreed to contribute chapters or subchapters to volumes to be created at the 1983 DNAG synthesis volume workshops, over 400 different geologists and geophysicists from most major North and Central American countries, and some countries on the northern tier of South America, are involved in chapter-level compilations for the 27-volume set of *The Geology of North America*. And there are still more volumes to organize! The commitment of all of these individuals and the support they are receiving from their organizations is a major reflection of the importance of this massive effort. And it is still on schedule!

\* \* \* \* \*

### Meet Your Centennial Field Guide Organizers!

The persons listed below have been appointed by their respective Sections, following workshops last spring, as the organizers of the Centennial Field Guides. They are now accumulating lists of sites that are suitable for inclusion in the Field Guides. The goal is to have preliminary lists of sites for each Guide prepared by springtime. This is a grass-roots project. Get involved!

#### CENTENNIAL FIELD GUIDES: Principal Contacts

##### Northeastern Section

David C. Roy  
Department of Geology and Geophysics  
Boston College  
Chestnut Hill, MA 02167

##### North-Central Section

Donald L. Biggs  
Department of Earth Sciences  
Iowa State University  
Ames, IA 50010

##### Rocky Mountain Section

Stanley S. Beus  
Department of Geology  
Northern Arizona University  
Flagstaff, AZ 86011

##### Southeastern Section

Thornton L. (Tony) Neathery  
Geological Survey of Alabama  
P.O. Drawer O  
University, AL 35486

##### South-Central Section

O.T. Hayward  
Department of Geology  
Baylor University  
Waco, TX 76703

##### Cordilleran Section

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Send nominations to: Martin L. Stout  
Department of Geology  
California State University Los Angeles  
Los Angeles, CA 90032

# Who's who of GSA: Officers and councilors for 1983

The direction and destiny of the Geological Society of America are in the hands of the officers and councilors that you, the membership, elect each year. All too often only a few of these individuals are known to any one member. In an effort to better acquaint you with the 1983 Officers and Councilors, we have condensed a great deal of information into a few basic facts about each of the individuals who will be shaping GSA's future in 1983.

## PRESIDENT

**PAUL A. BAILLY**, b. Paris, France (natl. U.S. Citiz., 60), 12-2-26; m. 58; c. 2. GEOLOGY, MINERAL DEPOSITS. MS, Univ. Nancy, France, 48; Yale Univ., 48-49; PhD (geol.), Stanford Univ., 51. French Paratroops, 51-52. Field geol., Kennecott Copper Corp., 52; field geol., 53-56, explor. district mgr., 57-60, pres., Bear Creek Mining Co., 60-67; PRES. & DIR., OCCIDENTAL MINERALS CORP., 68-; Comm. Mineral Res. & Environ., NRC/NAS, 72-75; Chmn. COMRATE'S Task Force Mineral Policy, 73-74; Henry Krumb lectr., SME/AIME, 76; v. pres., North Amer., Soc. Geol. Appl. Mineral Deposits, 78-80; Jackling Award, AIME, 79; Dir., Mineral Information Institute, 82-; Mbr., Board on Mineral and Energy Resources, NRC/NAS, 82-84. Soc. Econ. Geol. (pres., 81); fel. Geol. Soc. Amer.; Soc. Geologie Appliquée aux Gites Mineraux; Mining & Metall. Soc. Amer.; Soc. Mining Engrs.; Canadian Inst. Mining & Metall.; Intl. Assn. Genesis Ore Deposits. Mineral resources, exploration, mine development and Public Land laws. Mailing address: Occidental Minerals Corporation, Irongate Building IV, 777 S. Wadsworth Blvd., Lakewood, CO 80226-4371. Phone: (303) 988-2200.



PAUL A. BAILLY



M. GORDON WOLMAN

## VICE-PRESIDENT

**M. GORDON WOLMAN**, b. Baltimore, MD, 8-16-24; m. 51; c. 4. GEOLOGY. Johns Hopkins Univ., BA, 49; Harvard Univ., MA, 51, PhD (geol), 53. Geologist, US Geol. Surv., 51-58; PROF GEOG 58-, & CHMN DEPT GEOG & ENVIRON ENG, JOHNS HOPKINS UNIV., 68-. Assoc. Amer. Geogr. Meritorious Contribution Award, 72. NRC/NAS Exec. Comm. Div. Earth Sci. 66-68, 72-74; NRC/NAS Comm. on Water, 65-68; Amer. Geographical Soc. councilor, 66-70; AGU Hydrology sect. pres., 70-72; NRC/NAS Commission on Resources & Environ., 73-75; NRC/NAS/NAE chmn. Natl. Comm. on Water Quality Policy, 74-76; chmn. Bd. of Resources for the Future, 78-81; fel. Geol. Soc. Amer.; Soc. Econ. Paleont. & Mineral; Amer. Geophys. Union; Assoc. Amer. Geogr.; Amer. Geogr. Soc.; fel. AAAS. Geomorphology sedimentation, fluvial processes, water quality, environmental processes. Mailing address: Dept. of Geography & Environmental Engineering, Johns Hopkins University, Baltimore, MD 21218. Phone: (301) 338-7090.



DIGBY J. MCLAREN



ROBERT L. FUCHS

## PAST-PRESIDENT

**DIGBY J. MCLAREN**, b. Carrickfergus, Northern Ireland, 12-11-19; m. 42; c. 3. GEOLOGY. BA, Univ. Cambridge, 41, MA, 46; PhD (geol.), Univ. Michigan, 51. Mem. staff, 48-59, chief paleont., 59-67, dir. inst. sedimentary & petrol. geol., 67-73, dir., Geol. Surv. Canada, 73-80, asst. deputy minister (Sci. & Tech.), 80-81, SENIOR SCI. ADVISOR, DEPT. ENERGY, MINES & RESOURCES, 81-; VISITING PROF., UNIV. OTTAWA, 81-. Leopold von Buch Award, Deutsch Geol. Gesell., 82. Chmn., Comm. Stratig., Intl. Union Geol. Sci., 68-72; Chmn. Bd. Intl. Geol. Correlation Prog., UNESCO-Intl. Union Geol. Sci., 76-80. Paleont. Soc. (pres., 69); fel. Geol. Soc. Amer. (pres., 82); fel. Royal Soc. Canada; Foreign Assoc., Geol. Soc. France; Canadian Soc. Petrol. Geol. (pres., 71); Foreign Assoc., Natl. Acad. Sci.; fel. Royal Soc. London. Devonian paleontology and stratigraphy of Western Canada, time and correlation. Address: Dept. of Geology, Faculty of Science & Engineering, University of Ottawa, Ottawa, Ontario K1N 6N5. Phone: (613) 231-5751.

## TREASURER

**ROBERT L. FUCHS**, b. Bay Shore, NY, 12-7-29, m. 53, c. 2. GEOLOGY. BA, Cornell Univ., 51; MS, Univ. Illinois, 52. U.S. Navy. Area exploration supervisor, analyst, staff geol., party chief, jr. geol., Mobil Oil, NY, Louisiana, Venezuela, Libya, 52-65; dir. programs support, Flow Labs. Inc., 65-66; pres., founder, dir., Con-Serv Corp. & Automation Institute, 66-69; sr. v. pres., Intercontinental Energy Corp., 69-71; pres.,

dir., Tioga Land Co., Inc., 81-; pres., dir., Sheffield Explor. Co., Inc., 81-; dir., Canyon Resources Corp., 80-; dir., Taurus Foreign Invest., Ltd., 81-; dir., Tappit Resources Ltd., 80-; PRES., FOUNDER, DIR., GEOSYSTEMS CORP., 71-. Amer. Assn. Petrol. Geol., Energy Minerals Div. (pres., 81-82); Amer. Inst. Prof. Geol.; Petrol. Exploration Soc. NY (pres., 73); AIME; fel. Geol. Soc. Amer.; Geol. Soc. Amer. Foundation (trustee, v. chmn., 81-82); Canadian Soc. Petrol. Geol.; Geothermal Resources Council; Soc. Econ. Paleont. Mineral; Natl. Assn. Petrol. Investment Analysts. Natural resource exploration, tech. analytical exploration mgmt., venture mgmt., asset mgmt., economic geology of petroleum. Mailing address: Geosystems Corporation, P.O. Box 352, Westport, CT 06881. Phone: (203) 226-6836.

## COUNCILOR 1981-1983

**HUBERT GABRIELSE**, b. Golden, BC, 3-1-26; m. 55; c. 2. GEOLOGY. BSc, Univ. British Columbia, 48, MSc, 50; PhD (geol.), Columbia Univ., 55. Geol., 53-70, head Cordilleran subdiv., 70-79, RES. SCI., GEOL. SURV. CANADA, 80-. Fel. Geol. Soc. Amer.; NY Acad. Sci.; fel.

Geol. Assn. Canada; mem. Canadian Inst. Mining & Metall.; Canadian Soc. of Petrol. Geol.; Royal Soc. Canada. Regional stratigraphy, structure and tectonics. Address: Geological Survey of Canada, 100 West Pender Street, Vancouver, British Columbia V6B 1R8. Phone: (604) 666-2958.

#### **COUNCILOR 1981-1983**

BRUCE B. HANSHAW, b. Harrisburg, PA, 5-7-30; m. 54; c. 2. GEO-CHEMISTRY. ScB, Massachusetts Inst. Technol., 53; MS, Univ. Colorado, 58; PhD (geochem.), Harvard Univ., 62. Geol., US AEC, 53-54 & 56, Petrol. Res. Corp., 58-61; geol., Water Res. Div., 61-70, staff sci., Ofc. Dir., Washington, DC, 70-73, Geochem., 73-81, ASST. DIR. RESEARCH, USGS, 82-. Mem. Comm. Pollution, NAS-NRC, 65-67; mem. US Natl. Comm., Intl. Hydrol. Decade, 67. O. E. Meinzer Award, Geol. Soc. Amer., 73. AAAS; Geol. Soc. Amer.; Geochem. Soc.; Amer. Geophys. Union; Amer. Chem. Soc. Isotope chemistry; membrane phenomena applied to clay minerals; mineral-solution equilibria; factors affecting natural water chemistry. Address: U.S. Geological Survey, 104 National Center, Reston, VA 22092. Phone: (703) 860-7488.

#### **COUNCILOR 1981-1983**

JOHN C. HARMS, b. Albuquerque, NM, 7-29-30; m. 52; c. 3. GEOL-OGY. BS, Columbia Univ., 51; PhD (geol.), Univ. Colorado, 59. Geol., Continental Oil Co., 52-54; Res. Geol.-Mgr. Reg. Explor., Marathon Oil Co., 59-82; GEOLOGICAL CONSULTANT, 82-. Geol. Soc. Amer.; Amer. Assn. Petrol. Geol.; Soc. Econ. Paleont. Mineral.; AAAS; Sigma Xi. Detrital sedimentary rocks; structural geology. Address: Harms & Brady, Inc., P.O. Box 406, Littleton, CO 80160-0406. Phone: (303) 798-1122.

#### **COUNCILOR 1981-1983**

ROBERT D. HATCHER, JR., b. Madison, TN, 10-22-40; m. 65; c. 2. STRUCTURAL GEOLOGY, TECTONICS. BA, Vanderbilt Univ., 61, MS, 62; PhD (geol.), Univ. Tennessee, 65. Geol., Humble Oil & Ref. Co., 65-66; asst. prof to prof. geol., Clemson Univ., 66-78; prof. geol., Florida State Univ., 78-80; PROF. GEOL., UNIV. SOUTH CAROLINA, 80-. Geol. Soc. Amer.; Amer. Geophys. Union; Geol. Assn. Canada. Regional tectonics; structural geology; tectonics of mountain chains; metamorphic petrology; stratigraphy in medium to high grade metamorphic rocks. Address: Dept. of Geology, University of South Carolina, Columbia, SC 29208. Phone (803) 777-6684.

#### **COUNCILOR 1982-1984**

HAYDN H. MURRAY, b. Kewanee, IL, 8-31-24; m. 44; c. 3. CLAY MINERALOGY, ECONOMIC GEOLOGY. BS, Univ. Illinois, 48, MS, 50, PhD (geol.), 51. From asst. prof. to assoc. prof. geol., Indiana Univ., 51-57; dir. appl. res., 57-59, dir. res. & mfg., 59-63, v. pres., 63-64, exec. v. pres., Georgia Kaolin Co., 64-73; CHMN. DEPT. GEOL., INDIANA UNIV., 73-. Clay mineralogist, State Geol. Surv., Indiana, 51-57; mem. exec. comm., Working Comm. Genesis & Age of Kaolins, UNESCO, 73-. Hal Williams Hardinge Award, Amer. Inst. Mining, Metall. & Petrol. Eng., 76. Fel. Amer. Ceramic Soc. (v. pres., 74-75); Amer. Chem. Soc.; Mineral. Soc. Amer.; distinguished mem. Amer. Inst. Mining, Metall. & Petrol. Engr. (chmn., Industrial Minerals Div., 82); Clay Minerals Soc. (pres., 65-66; distinguished mem. 81); fel. Geol. Soc. Amer. Geology, economic uses and chemistry of clay minerals; beneficiation of metallic, nonmetallic, and coals using high intensity magnetic separation. Address: Dept. of Geology, Indiana University, Bloomington, IN 47405. Phone: (812) 335-5582.

#### **COUNCILOR 1982-1984**

THORNTON L. NEATHERY, b. Atlanta, GA, 3-15-31; m. 56; c. 3. GEOLOGY. BS, Univ. Alabama, 56, MS, 64. Geol., Reynolds Metals Co., 56-62; asst. v. pres., Textile Rubber & Chem. Co., 63; geol., 64-73, chief geol. 73-76. ASST. STATE GEOL. & DIR. BUDGET & RES. DEVELOP., GEOL. SURV. ALABAMA, 76-. Sigma Xi; fel. Geol. Soc. Amer.; Soc. Econ. Geol.; Mineral. Soc. Amer.; Soc. Mining Engrs.; Geochem. Soc.; Amer. Geophys. Union; Amer. Inst. Prof. Geol.; AAAS. Regional geologic mapping in southern Piedmont and folded Appalachians with emphasis on sedimentation, metamorphism, and structural

evolution as applied to distribution of ore deposits. Address: Geological Survey of Alabama, P.O. Drawer O, University, AL 35486. Phone: (205) 349-2852.

#### **COUNCILOR 1982-1984**

ARTHUR A. SOCOLOW, b. New York, NY, 3-23-21; m. 49; c. 3. ECONOMIC GEOL. BS, Rutgers Univ., 42; MA, Columbia Univ., 47, PhD (geol.), 55. Asst. field geol., State Geol. Surv., Virginia, 42; photogram. engr. 42, 46, geol., USGS, 52, & Eagle Picher Mex., 47; asst. econ. geol., Columbia Univ., 47-48; instr. geol. & dir. geol. field camp in Colorado, Southern Methodist Univ., 48-50; from instr. to asst. prof. geol., Boston Univ., 50-55; from asst. prof. to prof. geol., Univ. Mass. 55-57; econ. geol., 57-61, STATE GEOL. & DIR., PENNSYLVANIA GEOL. SURV., 61-. Geol., Defense Minerals Explor. Authority, 52; geol. adv., Boston Museum Sci., 55-57, lectr., 56; lectr., Pennsylvania State Univ., 59-73; mem., NSF Earth Sci. Conf., 59; dir. annual field conf., Pennsylvania Geol. Surv., 61-; mem. & past chmn., Res. Comm. & Environ. Protection Comm., Interstate Oil Compact Comm., 72-; past chmn. Amer. Comm. Stratig. Nomenclature; chmn., Pennsylvania Water Resources Coord. Comm. Fel. Geol. Soc. Amer.; AAAS (chmn., Geol.-Geog. Sect.); fel. Mineral. Soc. Amer.; Amer. Geophys. Union; Sigma Xi; Natl. Assn. Geol. Teacher. Genesis and structural control of ore deposits; regional structure interpretation; alteration effects related to igneous rocks and ore deposits; geologic interpretation of aeromagnetic data; geologic impact on man's environment. Address: Pennsylvania Bureau of Topographic and Geologic Survey, Box 2357, Harrisburg, PA 17120. Phone: (717) 787-2169.

#### **COUNCILOR 1982-1984**

ROSEMARY J. VIDALE, b. New Haven, CT, 3-27-31; m. 54; c. 3. GEO-CHEMISTRY, PETROLOGY. BA, Oberlin Coll., 52; MS, Univ. Michigan, 54; PhD (geol.), Yale Univ., 68. Asst. prof., assoc. prof. geol., State Univ. New York, Binghamton, 68-75; res. fel., Carnegie Inst., Washington, D.C., 74-75; staff mem. 75-77. ASSOC. GROUP LEADER, ISOTOPE GEOCHEM., LOS ALAMOS SCI. LAB., 78-. fel. AAAS; Geochem. Soc.; fel. Mineral. Soc. Amer.; Sigma Xi; fel. Geol. Soc. Amer. Experimental element transport and retention; geothermal systems. Address: INC-7, M.S. J-514, Los Alamos National Lab., P.O. Box 1663, Los Alamos, NM 87545. Phone: (505) 667-4985.

#### **COUNCILOR 1983-85**

MARIA LUISA B. CRAWFORD, b. Beverly, Mass, 7-18-39; m. 63. PETROLOGY, MINERALOGY. Bryn Mawr Col., BA, 60; Univ. Calif., Berkeley, PhD (geol.), 65. Asst. prof., 65-73, Assoc. prof., 73-79, PROF. GEOL., 79-, DEPT. CHR.M., 76-, BRYN MAWR COL. fel. Geol. Soc. Amer.; fel. Mineral. Soc. Amer.; Mineral. Assoc. of Canada; Philadelphia Geol. Soc.; Friends of Mineralogy; Norweg. Geol. Soc.; Amer. Geophys. Union; Amer. Women in Sci.; Microbeam Anal. Soc. Mem: USNC/Geochem. 79-82; AGI Women GeoSciences Com. 73-77, Chm. 76-77; AGI Educ. Com. 74-76; AGI Nom. Com. 78-79. Petrology, mineralogy and geochemistry of metamorphic and igneous rocks; fluid inclusion studies. Mailing address: Dept. of Geology, Bryn Mawr College, Bryn Mawr, PA 19010. Phone: (215) 645-5111.

#### **COUNCILOR 1983-1985**

DORIS M. CURTIS, b. Brooklyn, NY, 1-12-14. GEOLOGY. Brooklyn Col. BA, 33; Columbia Univ., MA, 34, PhD (geol.), 49. Paleontologist, stratigrapher, geologist Shell Oil Co., 41-49; asst., assoc. prof., geol. Univ. Houston 50-52; assoc. res. geol. Scripps Inst. Oceanog. 52-54; asst., assoc. prof., geol. Univ. Okla. 54-59; sr. geol., staff geol. Shell Oil Co. 59-79; PARTNER, CURTIS & ECHOLS, GEOLOGICAL CONSULTANTS 79-; ADJUNCT PROF. GEOL. RICE UNIV. 80-. Pres., Amer. Geol. Inst. 80-81; fel. Geol. Soc. Amer.; fel. AAAS (chmn., Sec. E 80); hon. mem. Soc. Econ. Paleont. Mineral. (sec.-treas. 64-66; pres. 78-79); Amer. Assn. Petrol. Geol.; Amer. Inst. Prof. Geol.; Intl. Assn. Sedimentol. Mem. Sci. Comm. Intl. Geol. Correl. Prog., UNESCO-IUGS 80-; USNC Geol., NAS, 79-82 (chmn. 81-82); Comm. on Global and Intl.

*(continued next page)*

(Who's Who of GSA, continued from page 7)

Geol., Geol. Sci. Bd., NAS 82-. Stratigraphy, sedimentology, petroleum geology, basin analysis. Mailing address: Curtis & Echols, Geological Consultants, 16730 Hedgcroft, Suite 306, Houston, TX 77060. Phone: (713) 445-4587.

#### COUNCILOR 1983-1985

GEORGE A. THOMPSON, b. Swissvale, PA, 6-5-19; m. 44; c. 3. GEOPHYSICS, GEOLOGY. Pa. State Col., BS, 41; Mass. Inst. Technol., MS, 42; Stanford Univ., PhD (geol.), 49. Actg instr., 47-48, lectr., 48-49, asst. prof., assoc. prof., 49-60, PROF. GEOPHYS., STANFORD UNIV., 60-, CHMN. DEPT., 67-. Concurrent Pos.: Geologist & geophysicist, US Geol. Surv. 42-76; NSF fel., 56-57; Guggenheim fel. 63-64; G. K. Gilbert award seismic. geol. 64; mem. Geodynamics Comt., Nat. Res. Coun. 75-78. Seismol. Soc. Amer.; Soc. Explor. Geophys.; Soc. Econ. Geol; Geol. Soc. Amer.; Amer. Geophys. Union. Structure and geophysics of Basin Range Province; crust-mantle structure; lunar traverse gravity experiment; geophysics of ultramafic rocks; geology of quick-silver deposits. Mailing address: Dept. of Geophysics, Stanford University, Stanford, CA 94305. Phone (415) 497-3714.

#### COUNCILOR 1983-1985

PETER J. WYLLIE, b. London, Eng., 2-8-30; m. 56; c. 3. GEOLOGY, GEOCHEMISTRY. Univ. St. Andrews, BSc. 52 & 55, PhD, 58. Hon.

Degrees: DSc. Univ. St. Andrews, 74. Geologist, Brit. N. Greenland Exped. 52-54; asst. lectr. geol., Univ. St. Andrews, 55-56; ast. geochem. Pa. State Univ., 56-58, asst. prof., 58-59; res. fel. Leeds Univ., 59-60, lectr. exp. petrol., 60-61; assoc. prof. petrol., Pa. State Univ., 61-65; master of col. & assoc. dean phys. sci. div., 72-73, PROF. PETROL. & GEOCHEM., UNIV. CHICAGO, 65-, HOMER J. LIVINGSTON PROF., 78-, CHM. DEPT. GEOPHYS. SCI., 79-. Concurrent Pos: Int. Comn. Exp. Petrol. at High Pressures & Temperatures, 71-, chmn., 76-; adv. panel earth sci., NSF, 75-78; USNC Geol., 78-82; chmn., earth sci. div., adv. comt., NSF, 79-82; USNC for IUGG 80-; USNC for Geochemistry 81-; Comt. on Ocean Drilling, NRC 81-; ed.-in-chief, Minerals & Rocks, Springer Verlag; ed., Smith-Wyllie series, Intermed. Geol.; ed., J Geol. Honors & Awards: Polar Medal for Geol. Surv. & Explor. in Greenland; Award, Mineral Soc. Amer. 65; Quantrell Award 79; Elected to NAS, foreign associate; Wollaston Medal from Geol. Soc. London 82. Amer. Geophys. Union; Mineral. Soc. London; Geochem. Soc.; Geol. Soc. Amer.; Int. Mineral Assn. (2nd v. pres. 78-82); Mineral. Soc. Amer. (v. pres. 76-77, pres. 77-78); Assn. Earth Sci. Ed. Igneous and metamorphic petrology; experimental petrology; high pressure studies on hydrothermal systems; application of phase equilibrium studies to batholiths, andesites, kimberlites, and carbonatites. Mailing address: Dept. of Geophysical Sciences, University of Chicago, 5734 South Ellis Avenue, Chicago, IL 60637. Phone: (312) 962-8103.

## □ Human Rights/Scientific Freedom Policy Statement □

The GSA Council at its meeting in October 1982 unanimously adopted the following policy statement on Human Rights and Scientific Freedom.

This matter had been under discussion since May and was precipitated by a request from the Sakharov International Committee, Inc., for Society participation as a contributing member to the Sakharov Scholarship Fund, a program which promotes the scientific and humanistic ideas of Andrei Sakharov.

The Council fully endorses the Human Rights and Scientific Freedom objectives of the Committee, and a copy of the following statement has been forwarded to them. Any member of the Society desiring to make a voluntary contribution to the Sakharov Scholarship Fund in support of this project may send it to the following address:

Sakharov International Committee, Inc.  
P.O. Box 9422  
Washington, DC 20016

### POLICY STATEMENT

The Geological Society of America believes that the freedoms and rights of scientific communication are as important and precious as other forms of human communication. The Society perceives no essential distinctions between pursuit of truth about the nature of man or of the physical universe and pursuit of truth about the human condition in the societies in which we live. We will continue to be concerned for those whose rights have been denied, because the cost of silence is the abandonment of human rights.

We endorse the concept of the universality of science and record our belief that coherent scientific communities,

located within definable geographic areas, should not be prevented from participation in scientific activities because of unresolved political issues.

The Council of the Geological Society of America hereby affirms its dedication to the principles of freedom of inquiry and expression as follows:

*That the search for knowledge and understanding of the physical universe and of the living things that inhabit it should be conducted under conditions of intellectual freedom, without religious, political, or ideological restrictions;*

*That all discoveries and ideas should be disseminated and may be challenged without such restrictions;*

*That freedom of inquiry and dissemination of ideas require that those so engaged be free to search where their inquiry leads, free to travel, and free to publish their findings without political censorship and without fear of retribution in consequence of unpopularity of their conclusions. Those who challenge existing theory must be protected from retaliatory actions;*

*That freedom of inquiry and expression is fostered by personal freedom of those who inquire and challenge, seek and discover;*

*That the preservation and extension of personal freedom are dependent on all of us, individually and collectively, upholding a universal belief in the worth and dignity of each human being.*



# UPDATE

## Senior Scholar Fulbright Awards available

The Council for International Exchange of Scholars (CIES) announces that applications are now being accepted for Senior Scholar Fulbright Awards abroad during 1983-84. Over 200 lecturing and research awards are available in all academic disciplines and most countries.

There is now no specific deadline for receipt of applications. As CIES receives and reviews applications, awards will no longer be available. Individuals should therefore act promptly if they wish to be considered for an award in 1983-84.

Applications and further information may be obtained from

CIES, Eleven Dupont Circle, Washington, DC 20036, Tel. (202) 833-4950, or from The Office of the Graduate Dean at graduate institutions (the Office of International Programs at some institutions) or The Office of the Chief Academic Officer at undergraduate institutions. *Prospective applicants should verify with a CIES program officer that a particular award is available before completing an application.*

All applicants must be U.S. citizens, hold a doctorate or other higher degree, have significant professional or teaching experience, and, in some cases, be fluent in a foreign language.

## North Dakota Geological Survey issues three new maps

Dr. Don L. Halvorson, State Geologist, announces the release of three new maps by the North Dakota Geological Survey. Miscellaneous Map 21, entitled "Bedrock Geologic Map of North Dakota," was compiled by John P. Bluemle. This colored map shows the bedrock surface found beneath the mantle of glacial sediment in North Dakota. As it is used on the map, the term "bedrock" refers to the materials of Tertiary age and older. In those parts of North Dakota covered by thick glacial sediment, the geology shown on the map is interpreted from test-hole data. Throughout most of the area southwest of the Missouri River, where glacial deposits are thin and discontinuous, the geology is based largely on surface exposures. A total of 23 bedrock units are represented on the map (scale, 1 inch: 16 miles). Also included is a small inset map, also in color, showing the depth to the bedrock surface (the thickness of the glacial overburden). Miscellaneous Map 21 is available for \$1.00.

Miscellaneous Map 22, entitled "Generalized Bedrock Geo-

logic Map of North Dakota," was drawn by John P. Bluemle. It measures 9 by 11 inches and is printed in color. This map is intended primarily for use by students and other nongeologists. It is available free of charge.

Miscellaneous Map 23, entitled "Structure Map on Top of the Cretaceous Pierre Formation in North Dakota," was drawn by C. G. Carlson. It shows the elevation, in feet above sea level, of the Pierre Formation shale wherever it is present in North Dakota. Areas where the shale can be seen at the surface are shown in green on the map. The structure map will be of special interest to oil explorationists who need to know the depth to the Pierre Formation to enable them to estimate how much surface casing will need to be set. Miscellaneous Map 23 is available without charge.

Any of the above three maps can be ordered from the North Dakota Geological Survey, University Station, Grand Forks, ND 58201-8156.

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## IN MEMORIAM

<i>Harlan R. Bergquist</i> Reston, Virginia	<i>John B. Lucke</i> Harwich Port, Massachusetts
<i>Malcolm A. Conrad</i> Sylvania, Ohio	<i>Elizabeth W. Olmstead</i> Lewiston, New York
<i>Charles M. Cross</i> San Francisco, California	<i>Katherine Palmer</i> Ithaca, New York
<i>David Elliott</i> Baltimore, Maryland	<i>Hans H. Renz-Indergand</i> Pully 1009 Switzerland
<i>William W. Fry</i> Crestwood, Missouri	<i>Lowell E. Redwine</i> Costa Mesa, California
<i>Sidney H. Haughton</i> Pretoria, South Africa	

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**SEPM**   
**supports**  
**GSA**

**Visit our booth at  
GSA Section Meetings**

**March — Eastern Section  
April — Great Lakes Section  
May — Cordilleran/Rocky  
Mountain Sections**

**Special SEPM Member prices  
will be available to all GSA  
members at these meetings**

***The Society of Economic Paleontologists  
and Mineralogists***

The Department of Geology and Geophysics, University of Wisconsin-Madison, will host the 17th Annual Meeting of the North-Central Section of the Geological Society of America concurrently with the North-Central Section of the Paleontological Society, the Pander Society, and the Great Lakes Section of the Society of Economic Paleontologists and Mineralogists on April 28 and 29 (Thursday and Friday), 1983. For further information, write or call Local Committee Chairman Campbell Craddock, Department of Geology and Geophysics, University of Wisconsin-Madison, Madison, WI 53706, (608) 262-1317 or 262-8960, or Program Committee Chairman S. W. Bailey, Department of Geology and Geophysics, University of Wisconsin-Madison, Madison, WI 53706, (608) 262-1806, or Field Trip Chairman Michael G. Mudrey, Jr., Wisconsin Geological and Natural History Survey, 1815 University Avenue, Madison, WI 53706, (608) 263-5495.

**REGISTRATION**

All persons participating in any events of the meeting must be registered.

**Preregistration:** You are urged to register well in advance to aid the local committee in making the final plans. To qualify for the reduced preregistration fees your registration form, with payment, must be postmarked **no later than Friday, March 25, 1983**. Please complete the accompanying registration form and return it with a check or money order in U.S. currency (made payable to University of Wisconsin-Extension) to North-Central Section of GSA, The Wisconsin Center, 702 Langdon Street, Madison, WI 53706. Those who are preregistered can pick up their meeting materials and badges at the Wisconsin Center Wednesday evening from 1830 to 2030 or on Thursday or Friday during registration hours.

**On-Site Registration:** Registration will be held at the Wisconsin Center from 1830 to 2030 on Wednesday evening, April 27, and from 0800 to 1630 on Thursday and Friday, April 28 and 29. Some tickets for the banquet and for the field trips may be available Wednesday evening and Thursday morning, both on a space-available basis.

If requests for advance registration refunds are received at the Wisconsin Center by April 14, 1983, all but \$10 will be

returned. Field trip fees will be refunded *only* if the space can be resold.

**TECHNICAL PROGRAM**

If appropriate abstracts are submitted, there will be sessions on economic geology, engineering and environmental geology, general geology, geochemistry, geomorphology, geophysics, mineralogy, petrology, paleoecology, paleontology, Quaternary geology, sedimentation, stratigraphy, structural geology, and tectonics. In addition to those sessions, the following symposia are planned:

1. *Biofacies and Provincialism in Conodonts: Invited Symposium by the Pander Society* (David L. Clark)
2. *Recognition of Till Facies in the Mid-Centiment Region* (Lee Clayton and Timothy J. Kemmis)
3. *Groundwater Geology* (Mary P. Anderson and Kenneth R. Bradbury)
4. *Hematitic and Calcareous Oolitic Strata at the Ordovician-Silurian Boundary of the Mid-Centiment* (Donald M. Mikulic and Joanne L. Kluessendorf)
5. *Soil Geomorphology in the Midwestern United States* (Daniel R. Muhs and Donald L. Johnson)
6. *Paleoecology* (Peter Sheehan)

**ROOM RESERVATION FORM**

NORTH-CENTRAL SECTION, GSA, APRIL 28-29, 1983

*Wisconsin Center Guest House Only*

**Mail to:** The Wisconsin Center Guest House (Lowell Hall), 610 Langdon Street, Madison, WI 53706, (608) 256-2621

**Please reserve for**

Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 City \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_ Phone ( ) \_\_\_\_\_

Single room \_\_\_\_\_ \$24/person/day (limited number available)

Twin room \_\_\_\_\_ \$14/person/day (2 people, 2 beds)

Arrival date \_\_\_\_\_ hour \_\_\_\_\_ a.m./p.m.

Departure date \_\_\_\_\_ hour \_\_\_\_\_ a.m./p.m.

(checkout time is 11:00 a.m.)

I wish to share a twin room with \_\_\_\_\_  
 (separate reservation form required for each)

with any registrant \_\_\_\_\_

Are you driving? Yes  No  (parking available at \$2.10/day)

*Guest House features include air conditioners, indoor pool, private baths, carpeted rooms, color TV, and radio.*

Send this form **directly** to the Wisconsin Center Guest House if you wish a room there.  
**Do not send a deposit.** Our block of rooms will be held only until April 15 so reserve as soon as possible.

# PREREGISTRATION DEADLINE: MARCH 25, 1983

**FINAL  
NOTICE**

## FIELD TRIPS

All field trips are scheduled after the meeting and depart from the Wisconsin Center. All but Trip 5 are one-day trips and depart on Saturday, April 30. Field trip coordinator is Michael G. Mudrey, Jr., Wisconsin Geological and Natural History Survey, 1815 University Avenue, Madison, WI 53706, (608) 263-5495. **Field trip registrants must preregister for the meeting.** Field trip registration is on a first-come, first-served basis. Refunds will be made for any oversubscribed trips, and for any trips that may be cancelled.

**1. Late glacial history and environmental geology of south-eastern Wisconsin.** Leaders: D. M. Mickelson, A. F. Schneider, S. D.

Stanford, N. P. Lasca, L. Follmer, A. Hansel, E. Need, and C. Peters. Departs 0800, April 30, returns 1730 hours same day. Includes box lunch, transportation, and guidebook. **Cost: \$25.**

**2. Sedimentology of Ordovician carbonates and sandstones in southwestern Wisconsin.** Leaders: Lloyd C. Pray, Charles W. Byers, and Robert H. Dott, Jr. Departs 0800, April 30, returns 1730 hours same day. Includes box lunch, transportation, and guidebook. **Cost: \$25.**

**3. Neda Oolite at the Ordovician-Silurian boundary in eastern Wisconsin.** Leaders: Donald Mikulic and Joanne Kluessendorf. Departs 0700, April 30, returns 1900 hours same day. Includes box lunch, transportation, and guidebook. **Cost: \$30.**

*(continued next page)*

## PREREGISTRATION FORM

North-Central Section, Geological Society of America — April 28–29, 1983  
meeting concurrently with The North-Central Section of the Paleontological Society, The Pander Society,  
and The Great Lakes Section of the Society of Economic Paleontologists and Mineralogists

Name \_\_\_\_\_

Social Security Number (not mandatory) \_\_\_\_\_

Registered as:  Professional  Student  Spouse/Guest

Spouse/Guest name for badge \_\_\_\_\_

Affiliation (abbreviation for badge) \_\_\_\_\_

Professional Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Phone (business) ( ) \_\_\_\_\_ (home) ( ) \_\_\_\_\_

GSA member Yes  No

GSA Student Associate Yes  No

Speaker Yes  No

PS member Yes  No

Pander Society member Yes  No

SEPM member Yes  No

**\*Enclosed is a check or money order (U.S. funds) payable to University of Wisconsin-Extension in the amount of \$ \_\_\_\_\_ for:**

- \_\_\_\_\_ Professional preregistration (postmarked March 25 or sooner) . . . . . \$20/person
- \_\_\_\_\_ Professional registration (after March 25) . . . . . \$27/person
- \_\_\_\_\_ Student preregistration (postmarked March 25 or sooner) . . . . . \$ 8/person
- \_\_\_\_\_ Student registration (after March 25) . . . . . \$10/person
- \_\_\_\_\_ Spouse/Guest registration . . . . . \$ 8/person
- \_\_\_\_\_ Annual Banquet, Wisconsin Center Guest House, April 28 . . . . . \$ 7/person
- \_\_\_\_\_ Spouse/Guest trip, April 28 . . . . . \$25/person

**All Field Trip Registrants Must Also Preregister For The General Meeting**

- \_\_\_\_\_ Field Trip 1: Late glacial history & environmental geology . . . . . \$25/person
- \_\_\_\_\_ Field Trip 2: Sedimentology of Ordovician carbonates and sandstones . . . . . \$25/person
- \_\_\_\_\_ Field Trip 3: Neda Oolite at Ordovician-Silurian boundary . . . . . \$30/person
- \_\_\_\_\_ Field Trip 4: Precambrian rhyolite and granite inliers . . . . . \$30/person
- \_\_\_\_\_ Field Trip 5: Middle Proterozoic to Cambrian rocks . . . . . \$80/person

**Mail by Friday, March 25, 1983, to:**

North-Central Section of the Geological Society of America  
The Wisconsin Center  
702 Langdon Street  
Madison, WI 53706

*\*To register more than one person (other than spouse or guest) please duplicate this form. Registration fee includes conference materials and refreshment breaks.*

(continued from page 11)

**4. Precambrian rhyolite and granite inliers in south-central Wisconsin.** Leader: Eugene I. Smith. Departs 0730, April 30, returns 1730 hours same day. Includes box lunch, transportation, and guidebook. **Cost: \$30.**

**5. Middle Proterozoic to Cambrian rocks in central Wisconsin: Anorogenic sedimentation and igneous activity.** Leaders: Jeffrey K. Greenberg, Bruce A. Brown, and Sheri Taylor. Departs 1700 hours, **Friday, April 29**, after last technical session. Returns 1230 hours **Sunday, May 1.** Includes box lunches (Saturday and Sunday) dinner (Saturday), lodging (two nights), transportation, and guidebook. **Cost: \$80.**

## SPECIAL EVENTS

**Welcoming Party.** An informal gathering will be held for all registrants at the Wisconsin Center from 1900 to 2100 hours, Wednesday, April 27, 1983. Suitable beverages and snacks will be available.

**Open House.** The Department of Geology and Geophysics will hold an open house late Thursday afternoon for all registrants in the recently completed Lewis G. Weeks Hall for Geological Sciences, 1215 W. Dayton St.

**Annual Banquet.** The annual banquet will be at 1900 hours, Thursday, April 28, in the Wisconsin Center Guest House (Lowell Hall), 610 Langdon Street. The cost is \$7. A short business meeting of the North-Central Section of the Geological Society of America will take place after the meal. This will be followed by a lecture by Clarence Allen of the California Institute of Technology on earthquake prediction studies.

## SPOUSE/GUEST PROGRAM

A trip into the lovely hill country of southwestern Wisconsin is planned for Thursday, April 28, to leave at 0930 and return about 1600 hours. The fee of \$25 includes transportation, lunch at Spring Green, and a visit to the House on the Rock and its museum. Those interested are asked to preregister.

## HOUSING INFORMATION

The state Capitol is in the center of downtown Madison, and the east edge of the campus is at Lake Street, about one mile west of the Capitol along State Street (perhaps the heart of Madison). Langdon Street lies parallel to State Street, one block to the north and near Lake Mendota. The Wisconsin Center is at the corner of Lake and Langdon Streets, and the Wisconsin Center Guest House (Lowell Hall) is one block east on Langdon Street.

A variety of housing possibilities exist to suit a range of tastes and budgets. The Wisconsin Center Guest House (Lowell Hall) is near the Wisconsin Center and offers pleasant rooms at reasonable prices. To reserve a room at Lowell Hall, please mail the enclosed reservation form directly to Lowell Hall as soon as possible. We have 72 rooms reserved, and they are likely to all be used.

We have also reserved blocks of rooms at 3 motels (listed below) that are within a short walk of the Wisconsin Center. To reserve a room at one of these, *contact the motel directly.*

## MEALS

Meals are available at the Wisconsin Center, the Memorial Union, and many nearby restaurants, all at reasonable prices.

## STUDENT AWARDS

The Geological Society of America will award \$100 to the best paper authored and delivered exclusively by a student. Prizes awarded for student papers with more than one author will be divided among the authors.

## TRAVEL TO MADISON

Drivers from Chicago, Milwaukee, or Minneapolis will approach Madison by Interstate highway and will notice the state Capitol in downtown Madison; the Wisconsin Center lies about one mile west. Madison is served by Frontier, Mississippi Valley, Northwest, Ozark, and Republic airlines; the Wisconsin Center is about 6 miles from the airport, and both limousine and taxi service are available. The Alco bus runs between O'Hare Field in Chicago and the Wisconsin Center every 2-3 hours; the trip takes 3 hours and costs \$11.

## PARKING

Parking spaces in the university-downtown area are limited. Madison Inn, Howard Johnson, and Town/Campus provide free parking for guests. University lodgings have parking space for guests but charge about \$2 per day. Metered public parking is available in the Lake Street parking ramp, one block south of the Wisconsin Center. The city of Madison operates a very efficient public bus system; registrants lodged far from campus might prefer commuting daily by bus.

Mention that you are a registrant at the meeting of the North-Central Section of the Geological Society of America at the Wisconsin Center, and ask for a written confirmation. These blocks of rooms will be released to the general public on April 1, 1983.

### MADISON INN

601 Langdon Street (at Frances St.)  
Madison, WI 53703  
(608) 257-4391

Single \$40/day  
Double \$42/day  
Twin \$46/day

### TOWN/CAMPUS MOTEL

441 No. Frances St. (at State St.)  
Madison, WI 53703  
(608) 257-4881

Single \$34/day  
Double \$36/day  
Twin \$42/day

### HOWARD JOHNSON'S MOTOR LODGE

525 W. Johnson St.  
Madison, WI 53703  
(608) 251-5511

Single \$36/day  
Double \$39/day  
Twin \$43/day

**HOUSING (continued)**

There are 4 other motor hotels (listed below) in the downtown area that are within one mile of the Wisconsin Center. *No blocks of rooms are reserved*, so contact the hotel directly as soon as possible.

**THE CONCOURSE** (608) 257-6000  
1 West Dayton Street  
Madison, WI 53703

**THE EDGEWATER** (608) 256-9071  
666 Wisconsin Avenue  
Madison, WI 53703

**INN ON THE PARK** (608) 257-8811  
22 South Carroll Street  
Madison, WI 53703

**NATIONAL MOTOR INN** (608) 257-5341  
350 W. Washington Avenue  
Madison, WI 53703

There are also many other motels within 5 miles of the Wisconsin Center if you are willing to commute to campus each day by car or city bus. *No blocks of rooms are reserved*, so contact the motel directly. Some of these motels are:

**HOLIDAY INN** (608) 244-4703  
4402 E. Washington Avenue  
Madison, WI 53704

**HOWARD JOHNSON'S MOTOR LODGE** (608) 244-6265  
4822 E. Washington Avenue  
Madison, WI 53704

**RAMADA INN** (608) 244-2481  
3841 E. Washington Avenue  
Madison, WI 53714

**RED ROOF INN** (608) 241-1787  
4830 Hayes Road  
Madison, WI 53704

**ROAD STAR INN** (608) 241-4171  
4726 E. Washington Avenue  
Madison, WI 53704

There is one low-cost housing option available in some former university dormitories about 1 mile west of the Wisconsin Center. These rooms have 3 beds each and cost \$15 for 1 person, \$10.75 each for 2, and \$8.50 each for 3, per night. If you reserve a single, others may be lodged with you if demand requires it. Bathroom is down the hall, and parking is \$2.10 per day. Space sold on a first-come, first-served basis.

Contact:  
**MARY PERRY** (608) 262-2270  
Short Courses Dorms, 101 Agriculture Hall  
University of Wisconsin, Madison, WI 53706



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# BECOME A GSA CAMPUS "REP"

The Campus Representative Program was initiated by the Southeastern Section of the Society in 1979 under the leadership of Thornton L. Neathery, who at that time was serving as both Chairman of the GSA Committee on Membership and Secretary/Treasurer of the Section. The program was established to provide communication between headquarters staff and the membership-at-large through the designation of a key contact person on each campus who would serve as a liaison in providing information on GSA services for student affiliates.

Active GSA members in the Section, who were highly student-oriented, were recruited to serve as campus representatives, and an effective GSA communications network was established.

Other Sections have also initiated this program and the Society is most interested in promoting its full development. There are now 142 active Campus Representatives, and it is our objective to have one at each educational institution that has a geology program.

If you are interested in serving the Society as the Campus Representative for your college or university, please contact:

Clara Hodgson, Membership Coordinator  
Geological Society of America  
P.O. Box 9140  
Boulder, CO 80301  
(303) 447-2020

**The following Campus Representatives are presently serving the Society and deserve your appreciation and thanks:**

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## UPDATE

### Gladys W. Cole Memorial Research Award

Application forms are available for the Gladys W. Cole Memorial Research Award. Funding for the support of the award was established by W. Storrs Cole, and the first grant was given in 1982.

Administered in accordance with the guidelines specified by the donor, the award is restricted to investigation of the geomorphology of semi-arid and arid terrains in the United States and Mexico. It is given each year to a GSA Fellow between 35 and 60 years of age who has published one or

more significant papers on geomorphology. Funds cannot be used for work already accomplished. The grant is in the range of \$1,000 to \$1,200.

Official application forms and additional information may be obtained from the Executive Director, Geological Society of America, P.O. Box 9140, Boulder, Colorado 80301. Phone (303) 447-2020. Applications must be postmarked by February 15 to be eligible.

## CALL FOR RECOMMENDATIONS FOR OFFICERS AND COUNCILORS from the GSA Committee on Nominations

It is the charge of the Committee on Nominations to submit to Council from the membership of the Society a list of persons for consideration for nomination to elective posts. The Committee is asked to submit the names of several persons, each of whom they consider fully qualified, for each of the elective posts. In order to meet the responsibilities of this assignment, the Committee solicits your help in recommending highly qualified candidates for

these positions. It is requested that each nomination be accompanied by basic data and a description of the qualifications of the individual for the position recommended. For the good of the Society, we ask that you take this request seriously and act by the deadline date. In order to be considered by the Committee, all nominations must be received by the Administrative Department at GSA Headquarters **no later than February 1, 1983.**

# THE GSA DATA REPOSITORY

Robert D. Hatcher, Jr., and William A. Thomas

The GSA Repository was established in the early 1970s as a means by which supplementary information supplied by authors of papers in the *GSA Bulletin*, *Geology*, and other publications could be deposited and retrieved on demand without the expense of publication. We feel that this is a useful supplement to the normal publication outlets of the Society. However, to date little use has been made of this vehicle. Moreover, there is abundant evidence that few of the members of the Society or other users of GSA publications even know of the Repository.

We would like to see more use of the Repository, but we feel that its use should be rather specific. An immediate and continuing use of the system is as a supply of data for individuals working on a problem related to the subject of a paper published in the *Bulletin*, *Geology*, or other publications. Data in the Repository would be of a kind that would not be necessary to the needs of every reader of the article, but would be essential to a few who are involved in studies similar to the topic of the paper.

For the Repository, for example, authors would supply detailed stratigraphic and petrographic descriptions, chemical analyses, modal analyses, systematic taxonomy, statistical parameters for various kinds of studies, and other kinds of voluminous data.

A clear distinction must be made between items that are necessary to understanding of an article and those items that

can be made available separately without detracting from the general usefulness of an article. A balance must be sought between the desire to publish documenting data and the need to conserve publication space so that the maximum number of articles can be published.

The objectives for the Repository are clear. We view the data placed in this facility as information which may be requested by fewer than 50 to 75 researchers who have a real need for it. These data remain accessible to them but are not a necessary part of the understanding of the ideas and conclusions of the published paper. It is vital that some permanent and easily accessible storage bank for the data be available. This was the intent when the Repository was originally established.

Papers in *Bulletin* and *Geology* which have materials for incorporation in the Repository will henceforth be marked by a box notation beneath the title and author credit on the first page noting that additional material related to that paper is available on request from the Repository. This will be accompanied by a footnote stating exactly what is available from the Repository. A statement will also appear on the information page in the two journals outlining the means by which information may be retrieved from the Repository.

A complete list of all articles for which data are on file in the Repository can also be obtained from GSA's manuscript secretary.

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