

G.S.A. ARCHIVES

GSA NEWS & INFORMATION

Monthly Newsletter of
The Geological Society of America

VOLUME 6, NUMBER 1

JANUARY 1984

GSA Annual Meeting Draws Geoscientists to Indianapolis

By Sue Beggs

Indianapolis put out the Hoosier welcome for the GSA Annual Meeting held October 31 through November 3, 1983. Registrants found a convenient and friendly city with facilities that were ideal for our type of meeting. Arriving in Indianapolis, registrants were welcomed at the airport by members of the shuttle support group. Arriving at their hotels, they were once again welcomed, by a GSA Hostess who was available to answer questions about the meeting as well as Indianapolis. This was Hoosier hospitality at its best.

Attendance

Attending the meeting were 1,959 professional members, 461 professional nonmembers, 1,569 students, and 164 guests, for a grand total of 4,153. Included in the grand total are 314 (7.5%) one-day registrations. Of the grand total, 2,717 (65%) preregistered. Included in this number are 321 complimentary registrations.

Abstracts Presented

A total of 1,335 abstracts were submitted. Of these, 112 were rejected. Of the 1,223 accepted, 229 were presented during symposia, 236 were presented in poster format, and 758 were presented in oral sessions.

Field Trips

The seven premeeting and four postmeeting field trips attracted 283 registrants. Guidebooks were published in two volumes by the Indiana Geological Survey, which will handle future distribution.

Workshops, Short Courses, Forums

Preceding the formal program were nine workshops and short courses; sponsoring organizations were AGI, GIS, MSA, NAGT, PS, SEG, SEPM, and GSA's Structural Geology and Tectonics Division. In addition, two public forums were held: "Future Employment Opportunities in the Geological Sciences," sponsored by the GSA Membership Department, and "Nuclear Waste Disposal Issues," sponsored by the GSA Committee on Geology and Public Policy. The latter was particularly well attended and was reported live on Indianapolis television.

Exhibits

The exhibits were once again a focus of activity, from the Sunday evening opening until the Wednesday afternoon closing. A total of 137 booth spaces were filled by 95 exhibitors. The exhibit hall was the best place to meet and greet friends and new acquaintances.

The new GSA exhibit booth drew excellent attendance; book sales were more than double those of 1982. GSA staff members at the booth answered questions about publications, the Decade of North American Geology program, and the GSA Foundation.

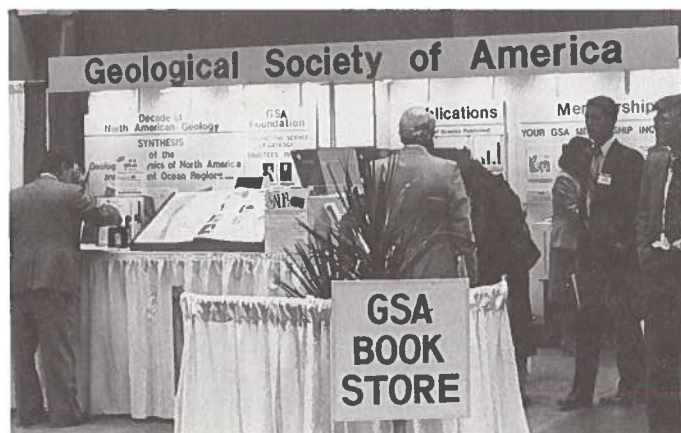
Employment Service

The Employment Interview Service was used by 35 employers, who conducted 649 interviews with 231 applicants interviewing for 71 positions. Of the positions available, 50 were classified as academic, 8 as corporate, and 13 as government or other.

Socializing

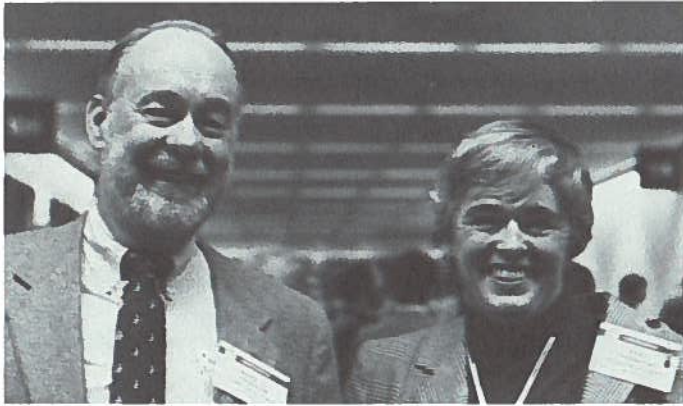
Social activities included the traditional Welcoming Party and the Alumni Receptions—plus the three-band Night at the Market. For the first time in recent years, GSA held its awards ceremonies during a Monday luncheon, honoring Day Medalist Harmon Craig and Penrose Medalist G. Arthur Cooper.

(continued on p. 2)





Of course, both teams were GSA Icers.



Bruce and Penny Hanshaw at Convention Center.



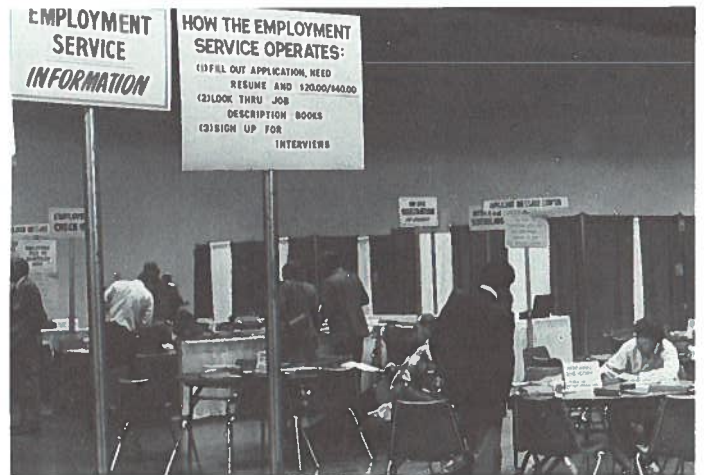
GSA exhibit booth offered something for everyone.

Behind the Scenes

The statistics in this article are part of the meeting's traditional reporting system. Some of the best features of the Indianapolis meeting, however, cannot be measured statistically. One of these features was the effort by the GSA staff which led to a well-organized and smoothly run meeting. Many of those involved with the meeting went well beyond just doing a good job—they did a superlative job. Another unmeasurable feature was a dedicated and effective Local Committee, which provided leadership in key areas such as field trips, the technical program, and the science theater. The committee also provided the special event night at the City Market. Others of the committee organized excellent support services such as the shuttle system, guest hospitality, and student assistants. In addition, GSA enjoyed more media attention than ever, because of the professionalism in the publicity area.



Walt Dean and acquaintances enjoy Welcoming Party.



GSA Employment Service—busy, as usual.



Exhibitors' booths drew browsers— and buyers.

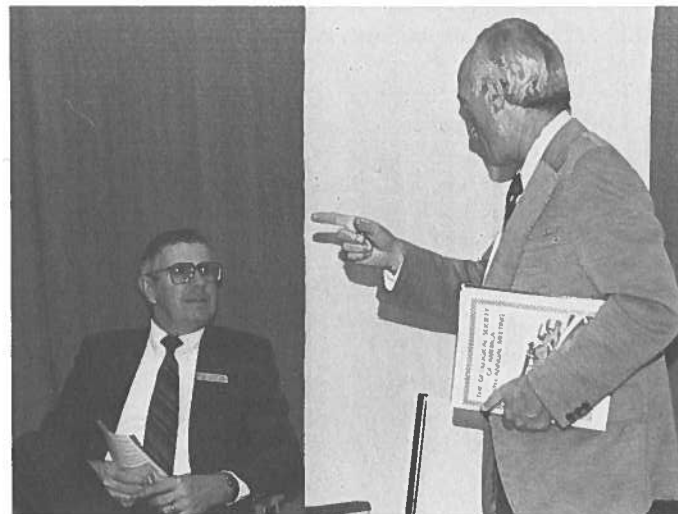
**Reds Wolman
contemplates GSA
publications display.**



Poster session—informal and effective.



Who told the joke—Bob Blackadar or Eldridge Moores?



Art Mirsky does hand shadows for Mike Wahl.



Digby McLaren, Pete Palmer, Paul Bailly confer.



Richard Hutchinson presides at Awards Luncheon.



Poster sessions and Employment Service both drew crowds.

**Cheers for a successful year in Indianapolis to
THE 1983 ANNUAL MEETING COMMITTEE**

- | | |
|---------------------------------------|--------------------|
| General Chairman | Arthur Mirsky |
| Co-Chairman/Treasurer | Donald Levandowski |
| Field Trips Chairman | Robert Shaver |
| Co-Chairman | Jack Sunderman |
| Guest Hospitality Chairman | Pat Mirsky |
| Guest/Special Events Chairman | Konrad Banaszak |
| Publicity Chairman | Charles Wier |
| Science Theater Chairman | Gerald Krockover |
| Technical Program Chairman | Haydn Murray |
| Co-Chairman | Herbert Howe |
| Student Assistants/Technical Services | |
| Chairman | Robert Dodd |
| Co-Chairman | Darrell Leap |
| Transportation Chairman | Gary Rosenberg |



CENTENNIAL NEWS

by Allison R. (Pete) Palmer

Hydrogeology Synthesis Volume Organized

An organizational meeting for the first of two volumes proposed by the Hydrogeology Division of GSA and incorporated into the set of volumes on *The Geology of North America* was held June 18-19, 1983, in Denver.

The outline for this volume is given below. Final manuscripts are expected in June 1985, and publication during 1986.

Hydrogeology of North America: Ground Water

Edited by P. R. Seaber, W. Back

- A. Introduction—G. Meyer, P. E. LaMoreaux, I. W. Marine, W. Pettyjohn
- B. Regional Synthesis—J. S. Rosenshein
 - 1. Hydrogeologic setting of regions—R. C. Heath
 - 2. Hydrostratigraphic units—P. R. Seaber, K. Cartwright, I. W. Marine, F. Schwartz, R. del Arenal
 - 3. Regions:
 - a. Permafrost—R. Van Everdingen, C. Sloan, P. Emery
 - b. Western mountain ranges—B. Foxworthy, C. Halstead, D. L. Coffin
 - c. Western glaciated plains—D. H. Lennox, S. R. Moran, E. F. LeRoux, Q. F. Paulson
 - d. Precambrian Shield—H. O. Pfannkuch, P. Fritz
 - e. St. Lawrence Lowlands—J. A. Cherry, R. Farvolden
 - f. Central Plains—K. Cartwright
 - g. Columbia Plateau—G. F. Lindholm, J. J. Vaccaro
 - h. Western Plains—D. G. Jorgensen, R. W. McClay, J. S. Downey
 - i. Appalachian Highlands—P. R. Seaber, R. R. Parizek, E. F. Hollyday, J. F. Quinlan
 - j. Piedmont and Blue Ridge—H. E. Legrand
 - k. Northeastern Appalachians—J. Gale, M. H. Frimpter, A. D. Randall
 - l. Atlantic Coastal Plain—H. Meisler, R. L. Waite, J. A. Miller
 - m. Southeastern Coastal Plain—R. H. Johnston, J. A. Miller
 - n. Gulf Coastal Plain—H. F. Grubb, J. Carrillo
 - o. Great Basin—M. Miffin
 - p. Colorado Plateau and Wyoming Basin—O. J. Taylor, J. W. Hood
 - q. High Plains—J. B. Weeks
 - r. Pacific Coast Ranges and Central Valley—G. L. Bertoldi, T. J. Durbin, F. Olmstead
 - s. Central alluvial basins—G. Lesser, A. Trujillo, G. E. Welder, T. W. Anderson
 - t. Coastal alluvial basins—L. Valazquez, J. Tinajero, T. W. Anderson
 - u. Sierra Madre Occidental—R. del Arenal
 - v. Sierra Madre Oriental—B. Hernandez
 - w. Faja Volcanica Transmexicana—R. Chavez
 - x. Sierra Madre Del Sur—R. Palacio
 - y. Yucatan Peninsula—J. M. Lesser, A. Weidie
 - z. Caribbean Islands—W. Back
 - aa. Hawaiian Islands—C. Ewart
 - bb. Alluvial valleys—J. S. Rosenshein
- C. Comparative Hydrogeology—S. N. Davis
 - 1. Introduction—S. N. Davis
 - 2. Alluvium along major rivers—J. Sharp
 - 3. Alluvial basins and plains—G. H. Davis
 - 4. Glacial deposits—D. Stephenson, D. Mickelson
 - 5. Coastal plain—G. Meyer, P. E. LaMoreaux
 - 6. Consolidated detrital—S. N. Davis
 - 7. Carbonates—J. Van Brahana, J. Thrailkill, W. C. Ward
 - 8. Volcanoes—W. Wood, L. A. Fernandez
 - 9. Plutonic igneous and metamorphic—F. Trainer
- D. Ground Water and Geologic Processes—P. Domenico
 - 1. Landform modification—C. Higgins *et al.*
 - 2. Sedimentation and diagenesis—F. Schwartz, F. J. Longstaff, B. Jones
 - 3. Excess pressure environments—P. Domenico
 - 4. Tectonism—J. D. Bredehoeft
 - 5. Ore deposition—J. Sharp, J. R. Kyle
 - 6. Hydrocarbon migration—J. Toth
 - 7. Energy transport—K. Cartwright
- E. Outline for the Future—
 - 1. Scientific problems
 - 2. Societal problems

Apologies to Phillips Petroleum Company and Sun Exploration and Production Company

While checking over the most recent brochure about the Decade of North American Geology, I found that both Phillips and Sun, who are generous industry supporters of the DNAG Project, had been inadvertently left out of the list of organizations supporting this project. Murphy seems to be everywhere!

MEETINGS

1984

Prospectors and Developers Association 52nd Annual Convention, March 4-7, 1984, Toronto, Canada. Information: PDA, Suite 219, 159 Bay St., Toronto, Ontario M5J 1J7, Canada; (416) 362-1969.

Society of Exploration Geophysicists and Office of Naval Research 4th Symposium on Three-Dimensional Marine Data Collection, Processing, Interpretation, and Presentation, March 13-15, 1984, Bay St. Louis, Mississippi. Information: Myron Webb, University of Southern Mississippi, Long Beach, MS 39560; (601) 688-3054.

Mid America Paleontology Society National Fossil Exposition VI, April 13-15, 1984, Macomb, Illinois. Information: Doug Johnson, P.O. Box 184, Donnellson, IA 52625; (319) 835-5957.

International Conference on Case Histories in Geotechnical Engineering, May 6-11, 1984, St. Louis, Missouri. Information: Shamsher Prakash, University of Missouri—Rolla, Rolla, MO 65401; (314) 341-4461.

International Groundwater Symposium on Groundwater Resources Utilization and Contaminant Hydrogeology, May 21-23, 1984, Montreal, Canada. Information: A. Kohut, Ministry of the Environment, Victoria, British Columbia V8V 1X5, Canada.

25th U.S. Symposium on Rock Mechanics, June 25-27, 1984, Evanston, Illinois. Information: Charles H. Dowding, Dept. of Civil Engineering, Northwestern University, Evanston, IL 60201; (312) 492-7270.

International Symposium on Deep Structure of the Continental Crust: Results from Reflection Seismology, June 26-28, 1984, Ithaca, New York. Information: Muawia Barazangi, Dept. of Geological Sciences, Cornell University, Ithaca, NY 14853; (607) 256-6411; Telex 937478.

Canning Basin Symposium, June 27-29, 1984, Perth, Western Australia. Information: Phil Connard, Shell Development (Australia) Pty. Ltd., G.P.O., Box W2050, Perth, W. A. 6001, Australia.

8th World Conference on Earthquake Engineering, July 21-28, 1984, San Francisco, California. Information: EERI-8WCEE, 2620 Telegraph Ave., Berkeley, CA 94704.

Current Issues in Systematics, international meeting, July 1984, London, England. Information: C. J. Humphries, Dept. of Botany, British Museum, Cromwell Rd., London SW7 5BD, England; 01-589 6323, ext. 405.

27th International Geological Congress, August 4-14, 1984, Moscow, USSR. Information: Secretary General, 27th Inter-

national Geological Congress, Institute of the Lithosphere, USSR Academy of Sciences, 22, Staromonetny, Moscow, 109180, USSR; 231-48-36; Telex: LITOS 411484.

International Cartographic Association 12th Conference and 7th General Assembly, August 6-10, 1984, Perth, Australia. Information: ICA Conference Director, P.O. Box 6208, Hay St., East Perth, Western Australia 6001; Telex AA95791 Minewa.

International Gas Research Conference, September 10-13, 1984, Washington, D.C. Information: L. Hirsch, 8600 West Bryn Mawr Ave., Chicago, IL 60631; (312) 399-8300.

Recent Advances in Petroleum Exploration and Development, September 24-28, 1984, Beijing, China. Information: BHP Petroleum, G.P.O. Box 1911R, Melbourne, 3001, Australia.

Clay Minerals Society Annual Meeting, September 30-October 3, 1984, Baton Rouge, Louisiana. Information: Ray E. Ferrell, Dept. of Geology, Louisiana State University, Baton Rouge, LA 70803; (504) 388-5306.

American Institute of Petroleum Geologists Annual Meeting, October 17-19, 1984, Orlando, Florida. Information: Bobby J. Timmons, Timmons Associates, P.O. Box 50606, Jacksonville Beach, FL 32250; (904) 246-4533.

International Conference on Ground-Water Technology, November 12-17, 1984, Johannesburg, South Africa. Information: David M. Nielsen, National Water Well Association, 500 West Wilson Bridge Rd., Worthington, OH 43085; (614) 846-9355.

GSA Penrose Conferences

The West-African Connection—Evolution of the Central Atlantic Ocean and Its Continental Margins, January 16-21, 1984, Giens, France. Conveners: John Rodgers, Yale University; Xavier T. LePichon, University of Paris; Jean Sougy, University of Marseilles.

Structural Styles and Deformational Fabrics of Accretionary Complexes, April 29-May 4, 1984, Eureka Inn, Eureka, California. Conveners: J. Casey Moore, University of California, Santa Cruz; Daniel E. Karig, Cornell University; Darrel S. Cowan, University of Washington.

Processes and Products of Multistage Melting and Metasomatism in the Mantle, April 29-May 4, 1984, Gold Canyon Ranch, Apache Junction, Arizona. Conveners: Jane E. Pike, USGS, Menlo Park, California; Arthur L. Boettcher, University of California, Los Angeles; Frederick A. Frey, MIT; Frank M. Richter, University of Chicago.

Melanges of the Appalachian Orogen, June 23-30, 1984, Stephenville, Newfoundland. Conveners: Harold Williams, Memorial University of Newfoundland; Nicholas Rast, University of Kentucky; Brenna E. Lorenz, University of Arkansas.

Transport Processes in Fractured Rock, September 1984, Park City, Utah. Conveners: Leslie J. Smith, University of British Columbia, and Frank W. Schwartz, University of Alberta.

Geomorphic and Stratigraphic Indicators of Quaternary-Neogene Climatic Change in Arid and Semiarid Environments, winter 1984 or spring 1985, western U.S. Conveners: John C. Dohrenwend, U.S. Geological Survey, Menlo Park, and Leslie D. McFadden and Stephen G. Wells, University of New Mexico.

GSA News & Information

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SOUTHEASTERN AND NORTH-CENTRAL SECTIONS, GSA Combined Annual Meeting, Lexington, Kentucky, April 4-6, 1984

The Southeastern and North-Central Sections of the Geological Society of America will meet April 4-6, 1984, at the Hyatt Regency Hotel in Lexington, Kentucky, together with the Southeastern and North-Central Sections of the Paleontological Society, the Southeastern and East-Central Sections of the National Association of Geology Teachers, the Pander Society, and the Great Lakes Section of the Society of Economic Paleontologists and Mineralogists. The meeting is sponsored by the Kentucky Geological Survey, the University of Kentucky, and Eastern Kentucky University.

REGISTRATION

Registration is required for all persons attending technical sessions, field trips, exhibits, and spouse/guest programs. Registration will be held from 1700 to 2100 hours on April 4, and 0800 to 1700 hours on April 5 and 6 at the Registration Desk of the Lexington Center.

Preregistration forms must be received by March 12, 1984, to qualify for the reduced registration fee. Those planning to attend field trips must preregister by March 12. Refunds on canceled preregistration will be made in full until March 12, 1984. After this date, no refund will be made except for cancellation of a field trip.

WELCOMING PARTY

A welcoming party for those attending the meeting will be held from 2000 to 2230 hours on Wednesday, April 4. Plans are to hold the party at Spindletop Hall, a private mansion acquired by the University of Kentucky in 1959.

TECHNICAL PROGRAM

Technical sessions will be scheduled as oral presentations and poster sessions on Thursday, April 5 and Friday, April 6.

Symposia

- 1. Carboniferous Paleontology, Paleoecology, and Biostratigraphy.** Johnny A. Waters, Department of Geology, West Georgia College, Carrollton, GA 30117; Robert A. Gastaldo, Department of Geology, Auburn University, Auburn, AL 36830. Sponsored by the Southeastern Section of the Paleontological Society.
- 2. Coal Geophysics.** Paul J. Wolfe and Benjamin H. Richard, Department of Geology, Wright State University, Dayton, OH 45435.
- 3. Crustal Structure of the Central Stable Platform.** Ronald L. Street, Department of Geology, University of Kentucky, Lexington, KY 40506; William J. Hinze, Department of Geosciences, Purdue University, West Lafayette, IN 47907.
- 4. Geological Implications of Coal Resources.** Russell A. Brant, Kentucky Geological Survey, University of Kentucky, Lexington, KY 40506; M. Deveraux Carter, Coal Resources Branch, U.S. Geological Survey, National Center, Mail Stop 956, Reston, VA 22092. Sponsored by the Coal Geology Division.
- 5. The Positive Aspects of Taphonomy.** David L. Meyer, University of Cincinnati, Cincinnati, OH 45221; Carlton E. Brett, University of Rochester, Rochester, NY 14627. Sponsored by the North-Central Section of the Paleontological Society.

- 6. Sedimentation within Coal-Forming Environments.** James C. Cobb, Kentucky Geological Survey, University of Kentucky, Lexington, KY 40506; John C. Crelling, Department of Geology, Southern Illinois University, Carbondale, IL 62901. Sponsored by the Great Lakes Section of the Society of Economic Paleontologists and Mineralogists.
- 7. Tectonics and Sedimentation of the Eastern North American Craton.** William A. Thomas, University of Alabama, University, AL 35486; Lawrence L. Sloss, Department of Geological Sciences, Northwestern University, Evanston, IL 60201.
- 8. Tectonics and Sedimentation of the Southern Appalachians.** William A. Thomas, University of Alabama, University, AL 35486; Wallace D. Lowry, Department of Geological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.

PROJECTION EQUIPMENT

All slides used in presentations must be 2" x 2" and fit a standard 35mm carousel tray and projector. Only one projector and screen will be provided in each meeting room. Please plan presentations accordingly, and bring your own loaded carousel tray if possible.

EXHIBIT SPACE

Exhibits will be in the east wing of Lexington Center's Heritage Hall, adjacent to the technical sessions area. A single 8' x 10' booth is \$125 for educational and nonprofit institutions and \$300 for commercial exhibitors. For additional information, contact Donald W. Hutcherson, Kentucky Geological Survey, 311 Breckinridge Hall, University of Kentucky, Lexington, KY 40506-0056; (606) 257-5863.

SPOUSE/GUEST ACTIVITIES

A full schedule of activities for spouses and guests has been organized to provide enjoyable experiences representative of the Bluegrass area of central Kentucky. Please make advance reservations in order to facilitate final planning.

Shaker Village

Thursday, April 5, 1000 to 1600 hours

A trip to the famous restored Shaker Village at Pleasant Hill will include lunch and a tour of the 19th-century communal buildings and crafts shops, plus crafts demonstrations.

Kentucky Horse Park

Friday, April 6, 0930 to 1230 hours

The Kentucky Horse Park is representative of the thoroughbred horse industry of Kentucky. Following this unique experience, there will be a tour of Ashland, the home of Henry Clay.

PREREGISTRATION FORM

Annual Meeting, Southeastern and North-Central Sections, GSA
 April 4-6, 1984
 Lexington, Kentucky

IMPORTANT

1. Full payment must accompany registration.
2. Register one: professional, student, or spouse/guest.
3. Your check will be your receipt. Copy this form for your records. If you wish to receive acknowledgment of your preregistration, please enclose a self-addressed, stamped envelope.
4. Preregistration deadline: **Must be postmarked no later than March 12, 1984.** (Field trip preregistration deadline is also March 12).

ck/M.O. # _____ Amount \$ _____
 Personal check _____ Other check _____
 Issued by _____

Name _____
last first middle

Registered as: Professional Student Spouse/Guest

Spouse/Guest name for badge _____

Affiliation (abbreviate for badge) _____

Professional address _____
street city state zip code

Phone: Business () _____ Residence () _____

GSA Member yes no Speaker yes no GSA Student Associate yes no

Preregistration of GSA member (prior to March 12)	\$24	\$ _____
Preregistration of non-GSA member (prior to March 12)	\$29	\$ _____
Registration of GSA member (after March 12)	\$29	\$ _____
Registration of non-GSA member (after March 12)	\$34	\$ _____
Preregistration of GSA Student Associate (prior to March 12)	\$ 9	\$ _____
Preregistration of non-GSA student (prior to March 12)	\$12	\$ _____
Registration of GSA Student Associate (after March 12)	\$12	\$ _____
Registration of non-GSA student (after March 12)	\$15	\$ _____
Spouse/guest registration	\$12	\$ _____
Spouse/guest field trips		
Shaker Village (all day)	\$20	\$ _____
Kentucky Horse Park and Henry Clay Home (1/2 day)	\$10	\$ _____
GSA Banquet, Hyatt Hotel, April 5	\$12	\$ _____
Paleontological Society Luncheon	\$ 8	\$ _____
SEPM Luncheon	\$ 8	\$ _____

FIELD TRIP REGISTRATION

Preregistration deadline for field trips is March 12, 1984.
 All field-trip participants must also preregister for the meeting.

Field Trip 1. Stratigraphy and Structure in the Pine Mountain Thrust Area (April 4)	\$ 27	\$ _____
Field Trip 2. Coal and Coal-Bearing Rocks of Eastern Kentucky (April 2-4; includes lodging)	\$110	\$ _____
Field Trip 3. Stratigraphy of the Silurian and Devonian of Southern Indiana and Northwestern Kentucky (April 3-4; excludes hotel)	\$ 30	\$ _____
Field Trip 4. Hydrogeology and Environmental Geology of the Inner Bluegrass Karst Region, Kentucky (April 5; afternoon only)	\$ 15	\$ _____
Field Trip 5. Silurian Stratigraphy of East-Central Kentucky and Adjacent Ohio (April 7)	\$ 30	\$ _____
Field Trip 6. Lithostratigraphy and Depositional Environments of the Middle Ordovician Limestones of Central Kentucky (April 7)	\$ 18	\$ _____
Field Trip 7. Fossil Soils and Subaerial Crusts in the Mississippian of Eastern Kentucky (April 7)	\$ 20	\$ _____
Field Trip 8. Stratigraphy and Structure along a Traverse from Corbin, Kentucky, to Newport, Tennessee (April 7)	\$ 30	\$ _____

TOTAL FEES—Enclose check or money order, U.S. funds only, made payable to Southeastern/North-Central GSA \$ _____

PREREGISTRATION FORMS MUST BE POSTMARKED NO LATER THAN MARCH 12, 1984

Full refunds on canceled preregistrations will be made until March 12, 1984. After that date no refunds will be made except for canceled field trips.
 Mail completed registration forms and fee remissions to

GSA Registration
 Kentucky Geological Survey, 311 Breckinridge Hall, University of Kentucky, Lexington, KY 40506

April 4-6, 1984

SOUTHEASTERN & NORTH-CENTRAL SECTIONS

ANNUAL MEETING

SPECIAL EVENTS

All of the following meetings will be held in the Hyatt Regency Hotel, which is part of the Lexington Center complex.

Southeastern Section Management Board Meeting, Wednesday, April 4, 1800 to 2000 hours.

Southeastern Section Campus Liaison Group Breakfast, Thursday, April 5, 0700 hours.

Southeastern Section Business Meeting, Thursday, April 5, 1700 to 1800 hours.

Southeastern Section Paleontological Society Business Meeting, Thursday, April 5, 1700 to 1800 hours.

Decade of North American Geology (DNAG) Southeastern Section, Thursday, April 5, 1600 to 1800 hours.

Southeastern and North-Central Sections GSA Banquet, Thursday, April 5, 1830 hours for cocktails; 1930 hours for banquet.

National Association of Geology Teachers, immediately following the NAGT technical sessions.

SEPM Luncheon and Executive Committee Meeting, Thursday, April 5, 1200 to 1300 hours.

North-Central Section Management Board Luncheon and Meeting, Thursday, April 5, 1200 to 1500 hours.

North-Central Section Business Meeting, Thursday, April 5, 1700 to 1800 hours.

Southeastern and North-Central Sections Paleontological Society Joint Luncheon and Business Meetings, Friday, April 6, 1200 to 1300 hours.

Pander Society Business Meeting, Thursday, April 5, immediately following the afternoon technical session.

TRAVEL

Several major airlines and Greyhound Bus Lines serve Lexington. Complimentary limousine service is available from Bluegrass Airport to the Hyatt Regency and Radisson Plaza Hotels. For those who drive, Interstate Highways 75 and 64 are direct north-south and east-west routes to Lexington.

FIELD TRIPS

Field-trip registrants must also be registered for the meeting. Field-trip registration (see preregistration form) is on a first-come, first-served basis. If a trip is oversubscribed, the full field-trip fee will be refunded. **Field-trip preregistration must be received by March 12, 1984**, accompanied by full payment. Trips may be canceled if registration is insufficient. Full refunds will be made under such circumstances. No other field-trip refunds will be made after March 12, 1984.

1. **Stratigraphy and Structure in the Pine Mountain Thrust Area of Kentucky, Virginia, and Tennessee** (April 4). Leaders: D. Coskren and A. Lacazette. Participants will depart from Bowman Hall, Washington Avenue, University of Kentucky Campus, at 0800 hours, April 4, and return to the Hyatt Regency Hotel and Bowman Hall

at 2000 hours. **Limit: 26. Cost: \$27**, including lunch, transportation, and guidebook.

2. **Coal and Coal-Bearing Rocks of Eastern Kentucky** (April 2-4). Leaders: J. Cobb, D. Chesnut, N. Hester, and J. Hower. Participants will depart from the Hyatt Regency Hotel at 1600 hours, April 2, and return at 1600 hours, April 4. **Limit: 26. Cost: \$110**, including lodging, lunch, transportation, and guidebook.
3. **Stratigraphy of the Silurian and Devonian Rocks of Southern Indiana and Northwestern Kentucky with Emphasis on Microfossils and Macrofossils, Boundaries, Disconformities, and Pyroclastics** (April 3-4). Leaders: J. Conkin and B. Conkin. Participants will meet at the Geology Department at the University of Louisville, 2 blocks from the LaQuinta Motor Inn, April 3 at 2000 hours for pre-trip discussion. Participants will depart from the LaQuinta Motor Inn, 317 Warnick, Louisville, Kentucky, at 0800 hours, April 4, and return late that afternoon to the Lexington Hyatt Regency Hotel. **Limit: 42. Cost: \$30**, including lunch, transportation, and guidebook; excludes hotel.
4. **Hydrogeology and Environmental Geology of the Inner Bluegrass Karst Region, Kentucky** (April 5). Leader: John Thraillkill. Participants will depart from the Hyatt Regency Hotel at 1300 hours, April 5, and return at 1700 hours. **Limit: 28. Cost: \$15**, including transportation and guidebook.
5. **Silurian Stratigraphy of East-Central Kentucky and Adjacent Ohio** (April 7). Leaders: C. Rexroad and M. Kleffner. Participants will depart from the Hyatt Regency Hotel at 0800 hours, April 7, and the trip will conclude that afternoon in southern Indiana. Transportation will be provided to either the Cincinnati or Columbus, Ohio, airports or back to Lexington. **Limit: 42. Cost: \$30**, including lunch, transportation, and guidebook.
6. **Lithostratigraphy and Depositional Environments of the Middle Ordovician Limestones of Central Kentucky** (April 7). Leaders: W. MacQuown, R. G. Shepherd, P. Gooding, and Gary Kuhnenn. Participants will depart from the Hyatt Regency Hotel at 0800 hours, April 7, and return at 1700 hours. **Limit: 30. Cost: \$18**, including lunch, transportation, and guidebook.
7. **Fossil Soils and Subaerial Crusts in the Mississippian of Eastern Kentucky** (April 7). Leaders: F. Ettensohn, J. Grow, and G. Dever, Jr. Participants will depart from the Hyatt Regency Hotel at 0800 hours, April 7, and return at 1900 hours. Hard hats are required. **Limit: 20. Cost: \$20**, including lunch, transportation, and guidebook.
8. **Stratigraphy and Structure along a Traverse from Corbin, Kentucky, to Newport, Tennessee** (April 7). Leaders: N. Rast, J. Fouts, K. Kohles, D. Trimble, and K. Neavel. Participants will depart from the Hyatt Regency Hotel at 0800 hours, April 7, and return at 2000 hours. **Limit: 26. Cost: \$30**, including lunch, transportation, and guidebook.

PREREGISTRATION DEADLINE**March 12, 1984**

HOUSING FORM

Southeastern and North-Central Sections, GSA, April 4-6, 1984

DEADLINE FOR RESERVATIONS: MARCH 14, 1984

Arrival Date: _____

Departure Date: _____

Name: _____

Address: _____

Phone: () _____

Name(s) of additional person(s) sharing room: _____

Reservations will be held until 6:00 p.m. on day of arrival unless one night's deposit is received or guaranteed by credit card.

Hold until 6:00 p.m. only.

Reserved with deposit of \$ _____

Bill my credit card.

MasterCard # _____

American Express # _____

VISA # _____

Diners Club/ Carte Blanche # _____

Expiration date: _____

Signature: _____

Send directly to

Reservations Department, Hyatt Regency Lexington, 400 West Vine Street, Lexington, KY 40507

REQUEST FOR STUDENT HOUSING (GSA)

Number of persons sharing room: _____

Name of person making reservations: _____

Address: _____

Name(s) of additional person(s) sharing room: _____

Arrival date: _____

Departure date: _____

Arriving before 6:00 p.m.

Arriving after 6:00 p.m.

Send requests for student housing to:

Lois J. Campbell
Department of Geology
Bowman Hall
University of Kentucky
Lexington, KY 40506

HOUSING

A block of rooms has been reserved at the Hyatt Regency, headquarters hotel at the Convention Center. When these rooms have been filled, the Hyatt will forward requests for reservations to the Radisson Plaza, also at the Convention Center. For this meeting the room rates will be the same at both hotels. **Single: \$52; Double, Triple, Quad: \$62; 1- & 2-bedroom suites: \$125-\$250**

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Rates: \$24, single, to \$34, quadruple occupancy (meeting discount)

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Skinner



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Who's who of GSA: Officers and councilors for 1984

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, U.S. 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, 78-83; fel. Amer. Acad. Arts and Sciences; fel. Geol. Soc. Amer. (counc., 77-79; v. pres., 83; pres., 84); 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.

VICE-PRESIDENT

Brian J. Skinner

b. Wallaroo, S. Australia, 12-15-28; natl. U.S.; m. 54; c. 3. GEOCHEMISTRY, ECONOMIC GEOLOGY. Educ: Univ. Adelaide, BSc. 50; Harvard Univ., AM. 52, PhD. 55. Prof Exp: lectr. in crystallog., Univ. Adelaide, 55-58; res. geologist, U.S. Geol. Surv., 58-62, chief, Br. Exp. Geochem. & Mineral., 62-66; prof. geol. & geophys., 66—, chmn. dept. geol. & geophys., 67-73. EUGENE HIGGINS PROF., YALE UNIV., 72—. Concurrent pos: ed. *Econ. Geol.*, 70—; chmn. Comt. Mineral Resources & the Environ., NAS-NRC, 73-75; ed. bd. *Amer. Scientist*, 74—; chmn. Bd. of Overseers, *Amer. Journal of Science*, 72—. Mem. Lunar Sci. Plan. Team, 65-70; exec. comm. Div. Earth Sci. NRC, 66-69; Guggenheim fel. 69-70; USNC Geol. 74-77; McKinstry Memorial lectr., Harvard Univ., 78; duToit Memorial lectr., S. Africa, 79; Distinguished Contributions Award, Assoc. Earth Sci. Eds., 79; chmn. Panel Mineral Resources, Continental Scientific Drilling Comm., 80-81, mem. 82—; medal Soc. Econ. Geologists, 81; Cecil and Ida Green lectr., Univ. Brit. Columbia, 83; Thayer Lindsley Visiting lectr., 83-84. Mem: fel. Mineral. Soc. Am.; Mineral. Soc. Canada, counc. 75-78; Geochem. Soc. (vice-pres., 72, pres., 73); Soc. Econ. Geologists; Geol. Soc. Amer. (counc., 76-78; v. pres., 84). Res: Phase equilibria in systems containing sulfur; geochemistry of ore deposits. Mailing address: Dept. of Geology and Geophysics, Yale University, New Haven, CT 06520. Phone: (203) 436-1073.

PAST-PRESIDENT

Paul A. Bailly

b. Paris, France 12-2-26; (natl. U.S. citiz., 60); 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., 68-82; CONSULTANT, 83—. Comm. Mineral Resources & 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., Bd. on Mineral and Energy Resources, NAS/NRC, 82-84; mbr., Bd. of Earth Sci. NAS/NRC, 83-85. Soc. Econ. Geol. (pres., 81); fel. Geol. Soc. Amer. (counc., 77-79; v. pres., 82; pres., 83); Soc. Geologie Appliquée aux Gites Minéraux; Mining & Metall. Soc. Amer.; Soc. Mining Engrs.; Canadian Inst. Mining & Metall.; Intl. Assoc. Genesis Ore Deposits. Mineral resources, exploration, mine development and public land laws. Mailing address: 4510 W. Lakeridge Rd., Denver, CO 80219. Phone: (303) 934-4233.

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—; dir. Sundance Oil Co., 82—; 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. (treas., 83—); 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, 1 Barclay Plaza, Suite 720, 1675 Larimer St., Denver, CO 80202. Phone: (303) 571-0885.

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 Harding 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); mem. Soc. Mining Eng., bd of dir., 82-85; fel. Geol. Soc. Amer. (counc. 82-84). Geology, economic uses and chemistry of clay minerals; beneficiation of metallic, nonmetallic, and coals using high intensity magnetic separation. Mailing address: Dept. of Geology, Indiana University, Bloomington, IN 47405. Phone (812) 335-5583.

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., 76-83. SR. RESEARCH GEOL., 83—. GEOL. SURV. ALABAMA, Sigma Xi; fel. Geol. Soc. Amer. (counc. 82-84); 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. Mailing 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. U.S. Army Air Corps (photogrammetrist) 42-46. 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 assoc. 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—; mem. Outer Continental Shelf Policy Comm.; past chmn. Amer. Comm. Stratig. Nomenclature; past-chmn. Phila. Geol. Soc.; chmn., Pennsylvania Water Resources Coord. Comm. Fel. Geol. Soc. Amer. (counc. 82-84); AAAS (past chmn., Geol.-Geog. Sect.); fel. Mineral. Soc. Amer.; Amer. Geophys. Union; Sigma Xi; Natl. Assn. Geol. Teachers. 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. Mailing 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. GEOCHEMISTRY, 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. (counc., 82-84). Experimental element transport and retention; geothermal systems. Temporary mailing address for F/Y 84: U.S. Geological Survey, 959 National Center, Reston, VA 22092. Phone: (703) 860-6670.

COUNCILOR 1983-1985

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. (counc., 83-85); 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. Comm. 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. (counc., 83-85); fel. AAAS (chmn., Sec. E 80); hon. mem. Soc. Econ. Paleont. Mineral. (sec.-treas. 64-66; pres. 78-79); hon. mem. 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. Geol., Earth Sci. Bd., NAS 82—. Stratigraphy, sedimentology, petroleum geology, basin analysis. Mailing address: Curtis & Echols, Geological Consultants, 800 Anderson, Bellaire, TX 77401. Phone: (713) 661-7245.

COUNCILOR 1983-1985

George A. Thompson

b. Swissvale, PA, 6-5-19; m. 44; c. 3. GEOPHYSICS, GEOLOGY. Educ. Pa. State Col., BS, 41; Mass. Inst. Technol., MS, 42; Stanford Univ., PhD (geol.), 49. Prof. Exp.: Actg. instr., 47-48, lectr., 48-49, from asst. prof. to assoc. prof., 49-60, chmn. geol. dept. 79-82. 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 Comm. Nat. Res. Council. 75-78. Mem. Seismol. Soc. Amer.; Soc. Explor. Geophys.; Soc. Econ. Geol.; fel. Geol. Soc. Amer. (counc., 83-85); Am. Geophys. Union; AAAS. Res: Structure and geophysics of Basin Range Province: crust-mantle structure; lunar traverse gravity experiment; geophysics of ultramafic rocks; geology of quicksilver 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; asst. 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; prof. petrol. & geochem., Univ. Chicago, 65-83, master of col. & assoc. dean phys. sci. div., 72-73. Homer J. Livingston Prof., 78-83, chm. dept. geophys. sci., 79-82; CHMN., DIV. GEOL. & PLANET. SCI., CAL. INSTITUTE TECHNOLOGY, 1983—. Concurrent pos: Int. Comn. Exp. Petrol. at High Pressures & Temperatures, 71—, chmn., 76-80; adv. panel earth sci., NSF, 75-78; USNC Geol., 78-82; chmn., earth sci. div., adv. comm., NSF, 79-82; USNC for IUGG 80—; USNC for Geochemistry 81—; Comm. on Ocean Drilling, NRC 81-82; ed.-in-chief, Minerals & Rocks, Springer Verlag; ed., Smith-Wyllie series, Intermed. Geol.; ed., John Wiley, Geol., 66-83. 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. (counc., 83-85); Int. Mineral Assn. (2nd v. pres. 78-82, 1st v. pres.

(continued on p. 12)

Councilors (continued from p. 11)

82-86); Mineral. Soc. Amer. (v. pres. 76-77, pres. 77-78). 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: Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, CA 91125. Phone: (213) 356-6108.

COUNCILOR 1984-1986

Charles J. Mankin

b. Dallas, TX, 1-15-32; m. 53; c. 3. GEOLOGY. Educ: Univ. Tex., BS, 54, MA, 55, PhD (geol.), 58. Prof Exp: Instr. geol., Univ. Tex., 56-57; asst. prof., Calif. Inst. Technol., 58-59; asst. prof., 59-63, dir. sch. geol. & geophys., 64-77. PROF. GEOL., UNIV. OKLA., 64-; DIR. ENERGY RESOURCES INSTITUTE, 78-; DIR. OKLA. GEOL. SURV., 67-. Concurrent pos: Assoc. prof., Univ. Okla., 63-66, actg. dir. sch. geol. & geophys., 63-64; mem. Gulf Univ. Res. Consortium-Energy Coun., 74-79, mem. Bd. of Dir., Exec. Comm. 80-, & Nat. Petrol. Council-Exec. Adv. Counc. Nat. Gas. Surv., 75; mem., Com. Nat. Resources, NAS-NRC, 77- & Bd. on Mineral & Energy Resources, 76- (v-chmn., 77-80; chmn. 80-); mem. Comm. Phys. Sciences, Math. & Resources NAS-NRC, 82-; mem. Research Assoc. Prog., 81-. Panel on Earth & Atmos. Sciences (chmn. 82-); mem., USNC Geol., 77-80. Mem: Asn. Am. State Geol. (pres., 75-76); Am. Assoc. Petrol. Geologists; Am. Inst. Prof. Geologists (v. pres., 84); Geol. Soc. Amer. (counc., 84-86); Soc. Econ. Paleont. & Mineral. (pres. Mid-Continent Sect., 83). Res: Sedimentary petrology and geochemistry; clay mineralogy. Mailing address: Oklahoma Geological Survey, 830 Van Vleet Oval, Rm. 163, Norman, OK 73019. Phone: (405) 325-3031.

COUNCILOR 1984-1986

James W. H. Monger

b. Reading, England, 9-26-37 (natl. Can. citz., 66); m. 60; c. 4. GEOLOGY. Educ: Reading Univ., BSc, 59; Univ. Kansas, MS, 61; Univ. British Columbia, PhD, 66. GEOLOGIST, GEOL. SURV. CANADA, 65-. Am. Assoc. Petrol. Geol. Dist. Lect., 81-82; fel. Geol. Soc. Am. (counc., 84-86); Geol. Assoc. Canada; mbr. Canadian Geodyn. subcomm., 72-75; v.

chmn. WG2 Int. Comm. Lith., 82-; pres. Cord. Sec., Geol. Assoc. Canada, 80-81; assoc. ed. *Canadian Jour. Earth Sci.*, 81-. Res: Cordilleran stratigraphy, structure, tectonics. Mailing address: Geological Survey of Canada, 100 West Pender Street, Vancouver, B.C. V6B 1R8, Canada. Phone: (604) 666-6743.

COUNCILOR 1984-1986

Geoffrey G. Snow

b. Salt Lake City, UT, 8-25-33; d. c. 2. GEOLOGY. Educ: Dartmouth College, AB, 55; Univ. of Utah, MS, 60, PhD (geol.), 63. Prof. exp.: Dow Chemical Co., 63-67; Climax Molybdenum Co., 67-69; Midwest Oil Corp., 69-72; vice-pres., Exploration, 72-78. PRES., NORANDA EXPLORATION, INC., 78-. Mem: Geol. Soc. Amer. (counc., 84-86); Soc. Econ. Geol.; AIME; Canadian Inst. of Mining Metallurgy; Colorado Mining Assn. (past dir.); Northwest Mining Assn. (trustee); founder, past pres., past dir., Minerals Exploration Coalition; Colorado Scientific Soc. (councilor). Seminar leader, university-sponsored program, "Management of Exploration"; sr. author (w/B. W. Mackenzie) of paper, "The Environment of Exploration: Economic, Organizational, and Social Constraints," pub. 75th Anniv. Vol. of Economic Geology, 81. Res: Mineral exploration. Mailing address: Noranda Exploration, Inc., P.O. Box 15683, Denver, CO 80215. Phone: (303) 988-6456.

COUNCILOR 1984-1986

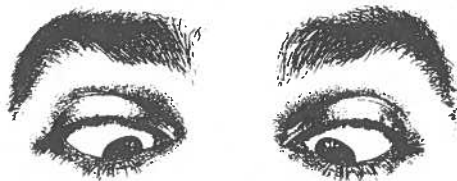
William A. Thomas

b. Berea, KY, 7-23-36; m. 57; c. 2. GEOLOGY. Educ: Univ. Ky., BS, 56, MS, 57; Va. Polytech. Inst., PhD (geol.), 60. Prof. exp.: Geologist, Calif. Co. 59-63; from assoc. prof. to prof. geol., Birmingham-Southern Col., 63-70, chmn. dept., 67-70; assoc. prof., Queens Col., NY, 70-72, chmn. dept., 71-72; prof. geol. & chmn. dept., Ga. State Univ., 72-79; PROF. GEOL., UNIV. ALA., 79-. Mem: Geol. Soc. Amer. (counc., 84-86); Am. Assoc. Petrol. Geol.; Soc. Econ. Paleont. & Mineral. Res: Tectonics and tectonic framework of sedimentation; stratigraphic and structural continuity of Appalachian and Ouachita mountains; stratigraphy of Gulf Coastal Plain; Appalachian structure and stratigraphy; Mississippian stratigraphy. Mailing address: Dept. of Geology, University of Alabama, P.O. Box 945, Tuscaloosa, AL 35486. Phone: (205) 348-5095.

Drawing Yields Winners at Indianapolis

Hundreds of people put their names in the bucket at GSA's 1983 Annual Meeting for a chance to win a copy of GSA Special Paper 194, *The Grenville Event in the Appalachians and Related Topics*, edited by Mervin J. Bartholomew. The winners at Indianapolis were John Bartley, Val Chandler, Jodi Cutler, Deborah Foust, Blaine Garwood, Jose Guerrero, Mark Hempton, Terri Mensing, Arthur Mirsky, Mary Rafalowski, Lee Ringland, Harry Smedes, and Rosalind Walcott.

Mirsky, chairman of the local committee for the Indianapolis meeting, claimed he "never won anything" when he entered the drawing. GSA staff members can attest, however, that his winning Special Paper 194 was entirely aboveboard.



**CORRECTION:
Cordilleran Section Meeting Announcement**

The correct title for the sixth symposium of the Cordilleran Section annual meeting in Anchorage, Alaska, May 30-June 1, 1984, is Paleontology and Paleoecology of Active Continental Margins. Conveners are D. Bottjer, University of Southern California, and C. Newton, Syracuse University. **Deadline for abstracts for the Cordilleran Section meeting is January 9, 1984.** See November 1983 *News & Information*, p. 174-175 for the preliminary announcement of the meeting.

PEOPLE

A professorship in geology at The University of Texas at Austin has been named in honor of GSA Fellow and 1978 President **Peter T. Flawn**.

Member **Donald A. Rodgers** is president of Applied Tectonics, Inc., a recently formed exploration consulting firm.

Help Direct GSA's Future

The GSA Committee on Nominations wants your help in compiling a list of GSA members qualified for service as officers and councilors of the Society. The committee requests that each nomination be accompanied by basic data and a description of the qualifications of the individual for the position recommended (vice-president, treasurer, councilor). **NOMINATIONS MUST BE RECEIVED at GSA headquarters no later than February 15, 1984.** Send nominations and backup material to Administrative Department, GSA, P.O. Box 9140, Boulder, CO 80301.

NEW MEMBERS

The following 293 Members have been elected to Membership by Council action during the period from March 1, 1983, through August 31, 1983 (* indicates transfer from Student Associate to Member).

Hassan T. H. Abuzied
Halbert E. Adams
Scot C. Adams
Richard M. Allen
Robert W. Allen
Donald W. Ash

Elizabeth M. Babcock
Lee E. Bailey
Davey L. Banning
Mary B. Bannister
John H. Barber, Jr.
Clayton M. Barnhill
Steven S. Barrell
Timothy J. Barrett
John W. Bartley
William A. Baughman
Robert W. Baumgardner, Jr.
Joseph H. Beckerman*
Jim E. Beget

David A. Bennett
Mike G. Bevis*
Mukul Raj Bhatia
Neil J. Bingert
Ross A. Black
Diedra Bohn
J. K. Boling
Claude E. Bolze
Katharine E. Bowden
Carol W. Bowers*
Brian J. Boyer
Steven H. Brachman
Keith B. C. Brady
Roger D. Breeden
Howard J. Brown
Anna C. Burack*
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Dabney W. Caldwell
C. Scott Cameron
David J. Campagna
James F. Campbell
Christine Carlsson
Don G. Carpenter
William W. Carter, Jr.*
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Samuel T. Chambers
Michele A. Chamness
Norman G. Champine
Xu Chen
Stanley E. Chernicoff
John L. Chin
Anne Furbish Choquette
Dennis A. Clark, Jr.
Gail M. Clement
Edward P. Conti
Charles D. Conway
Richard S. Cramer
Elizabeth D. Cron*
Stephen R. Crook
John M. Curchin
W. Scott Custer
Bruce L. Cutright

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Ronald A. Day
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Ariel P. Echavarri
Gary L. Egan
Mohamad K. S. El Chami
Rachel S. Epstein
Elisabeth M. Ervin
Leslie E. Erwin
Anthony N. Eva

Richard M. Felton
C. Reid Ferring
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