



Meetings Department Gets the Show on the Road

By Faith Rogers

Assuring that 4500 to 5000 geoscientists have badges, hotel rooms, alumni gatherings, and the opportunity to give and hear scientific papers in a different location every year may seem like a colossal task, but it's all in a day's work for GSA's three-person Meetings Department.

Meetings Manager Sue Beggs oversees the whole process, from scouting potential meeting sites to making sure there are enough places set for the Annual Awards Luncheon. She is assisted by Jean Latulippe, who schedules and coordinates committee, board, and associated society gatherings during the meeting, and Kathie Ohmie, who coordinates meeting registration, field trips, and exhibits.

Planning Ahead

Sue's work on a GSA annual meeting starts with finding a potential site, usually 6-8 years before the meeting will be held. She determines whether a city has facilities large enough to accommodate the technical sessions, symposia, short courses, and exhibits and enough hotel and motel rooms for those who will attend the meeting. She gathers all the data and makes a recommendation to the GSA Council. If the Council approves the site in principle, Sue starts work on the logistics of the meeting, beginning with organization of a Local Committee. This committee, consisting of people from the host organizations for the meeting, is divided into subcommittees, each responsible for a particular aspect—technical program, field trips, guest program, and support services.

Working with an annual budget of about \$400,000, Sue negotiates, contracts, and budgets for facilities at convention centers and hotels and services for audio-visual equipment, exhibits, air and ground transportation, printing, catered events, registration, emergency medical help, communications, photography, and security. She coordinates the activities of the Joint Technical Program Committee, which reviews and selects abstracts that will be presented at the meeting. She also works with GSA's Program Review Committee on the contents and mechanics of the annual meeting program. Early in the year the meeting is to be held, she gathers all material for the first announcement, which includes information about the site, housing, symposia, and field trips, and prepares it for printing. She does the same for the final announcement, which also includes the technical program and registration information. Additional publicity is coordinated with key speakers and conveners.



Planning and promoting GSA annual meetings (in Reno, Nevada, this year) are the responsibility of Meetings Department staff (left to right) Kathy Ohmie, Jean Latulippe, and Sue Beggs.

During an annual meeting, Sue is on the job from dawn to way past dusk, making sure that it all comes together. "Thorough advance planning and effective systems help us meet the challenge of avoiding crisis orientation during the meeting," she says. "In this way, everyone involved knows how things will work and is prepared to handle the unanticipated."

After the meeting, Sue meets with the Local Committee and with other GSA staff members for critiques, to make sure that the experience gained is applied to future meetings. She wraps up her work on a meeting by preparing a detailed financial statement.

Sue, who grew up in Connecticut, graduated from Pennsylvania State University and then earned her MBA at the University of Cincinnati. Colorado's mountains drew her to the state to pursue one of her favorite activities, rock-climbing. Now she prefers cross-country and alpine skiing, bicycling, backpacking, and running (her preference is 10-km races). She has two daughters, one a junior in high school and the other a geology major at

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Meetings Department (continued from p. 89)

the University of California, Santa Cruz. Sue is a board member of the Rocky Mountain chapter of the National Association of Exhibit Managers. She has been GSA Meetings Manager since 1979.

Coordinating the Details

Jean Latulippe spends her long days at an annual meeting making sure that rooms are available and set up for the many meetings-within-the meeting, of committees, associated society boards, the GSA Executive Committee and Council, and others—about 250 in all.

Jean's annual-meeting responsibilities begin with inviting groups to schedule events such as short courses, business meetings, meals, and cocktail parties. She coordinates requirements of each event with hotel personnel, an audio-visual contractor, photographers, florists, etc., and supervises them on-site to ensure that each and every order is carried through. She also acts as liaison between GSA and the housing bureau, monitoring hotel room blocks and giving special attention to the 200 VIPs. This year she is also coordinating the Combined Publishers Display for the exhibit program.

Back at GSA headquarters, Jean serves as Sue's administrative assistant, making travel arrangements, keeping computerized statistical records of all meeting functions, and handling the department's data base and correspondence on the computer. She is also the headquarters contact for GSA section meetings. "I love working with people. We see many of the same people from year to year, and as a result, I feel that I have made many friends," Jean says. A former northern New Yorker, Jean came to Colorado on vacation and decided to stay. She skis and plays golf and softball, and she likes to travel and coordinate her own weekend social events. She has been on the headquarters staff since 1979.

Arranging Exhibits, Registration, and Field Trips

Kathy Ohmie started working at GSA headquarters in 1974, in the Accounting Department, experience that serves her well in backing up Sue on meetings budgets and financial statements. Her main function, however, is coordinating the annual meeting exhibits, a job that involves contacting current and potential exhibitors, coordinating assignment of both space in the exhibit hall, and helping to manage the activities of exhibitors, service contractors, laborers, and security personnel on site. "What I like best is seeing the show come together, knowing that the details have been taken care of, and producing a useful and attractive set of exhibits," Kathy says. She is working on enlarging the exhibit program, the revenue of which helps to keep down registration costs.

Although she's been officially on the Meetings Department staff only since 1983, Kathy has coordinated annual-meeting field trips since 1979 and registration since 1981. She schedules and coordinates work and supervises on-site activities for both.

Kathy, a native Coloradan, grew up on a dairy farm. She enjoys Colorado and the Rocky Mountains, traveling, meeting people, and music. Her activities include playing softball and running several self-owned businesses.

Making It Happen

Sue, Jean, and Kathy have a common enthusiasm—seeing the results of their work, a GSA annual meeting where exchange between scientists happens in a way that is convenient and enjoyable. But, says Sue, "It clearly takes more than just the three of us to put together a meeting. Many people are involved, including the Local Committee and other GSA staff members." The annual meeting is "how people directly experience GSA," Sue maintains. "You get a sense of the membership by seeing 4500 geologists exchanging ideas and enjoying themselves. Participating in this is a special satisfaction."

The energetic trio is now working on the 1984 meeting in Reno, 1985 in Orlando, 1986 in San Antonio, 1987 in Phoenix, 1988 in Denver, and 1989 in St. Louis.

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If you'd like to know more, call or write Victor C. Tannehill, Executive Director.

American Institute of Professional Geologists
7828 Vance Drive-Suite 103
Arvada, Colorado 80003
(303) 431-0831



In Memoriam

Clifton S. Corbett
Highstown, New Jersey
January 19, 1984

Thomas J.M. Schopf
Chicago, Illinois
March 18, 1984

Peter Carl Kline
Elkview, West Virginia
February 17, 1983

Erik Stensio
Stockholm, Sweden
January 11, 1984

Bruce A. Liberty
St. Catharine's, Ontario
April 6, 1982

Jorg Stiefel
Berlin, West Germany
January 1984

Ernest B. Sandell
Minneapolis, Minnesota

GSA News & Information

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Symposia and Short Courses, GSA Annual Meeting, Reno, 1984

SYMPOSIA

The location of the 1984 Annual Meeting of GSA in Reno, Nevada, suggested to the local committee that the Basin and Range Province and interrelations to adjoining provinces would be an appropriate central theme for this meeting. Although the review process does not assign a priority to papers on this topic, we feel that some of the symposia should deal with this geologic and geophysical setting.

The importance and timely nature of this topic for structural and geophysical studies will be emphasized in three symposia. The new and unexpected importance of low-angle structures in the Basin and Range region was suggested by the recent COCORP line in Utah. This line has recently been extended across the Basin and Range, and the new results will be presented in a special symposium, convened by Jack Oliver, in which data and interpretations will be displayed.

A second full-day symposium will investigate other aspects of this topic. The Geophysics Division and the Structural Geology and Tectonics Division will combine adjoining half-days. The morning session, convened by Bob Smith and George Thompson, will be Extensional Tectonics—Geophysical Studies. The afternoon session, organized by Greg Davis and George Davis, is titled Extensional Tectonics—Geological Studies.

David B. Slemmons
Technical Program Chairman
Mackay School of Mines

John W. Bell
Co-chairman
Nevada Bureau of Mines and Geology

Symposia scheduled for the 1984 GSA Annual Meeting in Reno are

1. **Time and Circumstances of the Peopling of South America.** Archaeological Geology Division; David M. Hopkins.
2. **Characterization of Western Coals.** John C. Crelling.
3. **Debris Flows/Avalanches: Process, Sedimentology, and Hazard Mitigation** (full day). Engineering Geology Division and Quaternary Geology and Geomorphology Division (combined symposium); Gerald F. Wiczorek and John E. Costa.
4. **Extensional Tectonics: Part 1, Geophysical Studies** (full day). Geophysics Division; Bob Smith and George Thompson. **Extensional Tectonics: Part 2, Geological Studies.** Structural Geology and Tectonics Division (combined symposia); Greg Davis and George Davis.
5. **Early History in the Western United States.** History of Geology Division; Hubert C. Skinner.
6. **Arid-Zone Isotope Hydrology.** Hydrogeology Division; Alan H. Welch.
7. **First Billion Years: Earth and Nearby Planets.** Planetary Geology Division; Donald U. Wise and Robin Brett.
8. **Production and Flux of Biogenic Material in the Deep Sea.** Cushman Foundation; Robert Thunell and William Curry.
9. **Earth-Surface Chemical Cycles in the Geologic Past** (full day). GSA Centennial Program and Geochemical Society (combined symposium); Robert A. Berner and C. Bryan Gregor.
10. **Maps and the Geoscience Community.** Geoscience Information Society; Claren M. Kidd.
11. **Diffusion in Mineral, Melt, and Glass Systems.** Mineralogical Society of America; Maryellen Cameron.
12. **Recent Advances in Geophysics: Implications for Instruction.** National Association of Geology Teachers; William A. Bonini and Jack E. Oliver.
13. **Paleobiologic Aspects of the Origin and Precambrian Evolution of Living Systems.** Paleontological Society; J. William Schopf.
14. **Bulk-Minable Precious Metal Deposits in Cordilleran and Island-Arc Environments.** Society of Economic Geologists; H. F. Bonham, Jr., and J. V. Tingley.
15. **Quaternary Lacustrine Sediments of the Western United States—Dating and Environmental Analysis.** Kenneth L. Verosub and Jonathan O. Davis.
16. **Groundwater Geomorphology.** Charles G. Higgins and Donald R. Coates.
17. **Use and Abuse of Statistical Methods in the Earth Sciences.** William B. Size, C. John Mann, and Daniel F. Merriam.
18. **COCORP and Reflection Seismological Information on the Basin and Range Region.** Jack Oliver.
19. **Gold Deposits in Archean Environments.** H. F. Bonham, Jr., and J. V. Tingley.
20. **Nevada Test Site Geology, Geophysics, and Hydrology.** John Hess and H. L. McKague.
21. **Lake Tahoe.** Robert H. Osborne.
22. **Phanerozoic Evolution of the Continent-Ocean Transition in the Western U.S. and British Columbia.** Bob Speed and Jason B. Saleeby.
23. **Emplacement of Silicic Domes.** Jonathan Fink.
24. **Geochemical Reconstruction of Depositional and Diagenetic Environments.** George E. Claypool.
25. **Paleoenvironmental and Tectonic Controls in Coal-Forming Basins of the United States.** Coal Geology Division; Paul C. Lyons and Chuck Rice.



**REMEMBER TO VOTE ABSENTEE IN THE NATIONAL AND LOCAL ELECTIONS.
CHECK WITH YOUR COUNTY ELECTION BOARD.
DEADLINES FOR REQUEST FOR BALLOTS MAY BE AS EARLY AS JUNE.**



SHORT COURSES

Sponsored by the Geological Society of America
November 3-4, 1984
MGM Grand Hotel, Reno, Nevada

Participation in short courses is open to GSA members and nonmembers. GSA courses will precede the annual meeting; however, registration for the meeting is optional.

Enrollment: Enrollment will be limited to 100 people per course. Registration forms will be in the August issue of *GSA News & Information*. Further information and advance registration for each course are available prior to August by sending in the accompanying request form. Enrollment for some courses will be limited, so early registration is advised.

Cancellations: Fees will be refunded if we are notified before the course. Substitutions may be made at any time.

Accommodations: Participants are responsible for their own hotel accommodations and meals. The registration information will include details about travel and lodging. The MGM Grand Hotel's rate of run-of-the-house, \$54 single or double, will be extended to Friday and Saturday nights, November 2 and 3. A block of rooms has been set aside for short-course registrants. Early reservations are advised.

Fees: Fees for each course will be between \$75 and \$100. There will be a discount for GSA members. In most cases, fees will cover course materials and refreshments and may include extensive prepared notes, a text, or special equipment use. Fees will vary according to the course type and duration, costs of preparation, and special facilities or services. For more information, contact

GSA Short Course Registrar
GSA Headquarters
P.O. Box 9140
Boulder, CO 80301
(303) 447-2020

Short Course I

Sunday, November 4, 9:00 a.m. to 5:00 p.m.

The course provides equal time for lectures and "hands-on" interpretation of representative images by participants. Lectures and interpretation projects cover the major aspects of remote sensing—Landsat, thermal infrared, and radar images, plus digital processing of image data. Course fees include copies of the "Remote Sensing Laboratory Manual" and the "Instructors Key."

This course will be particularly beneficial for those planning to participate in the postmeeting remote sensing field trip to western Nevada and adjacent California.

Faculty: F. F. Sabins, Sr., Research Associate, Chevron Oil Field Research Company. Sabins has a B.S. degree from the University of Texas, Austin, and a Ph.D. from Yale University. He has been with Chevron since 1955. He has been Regents Professor at UCLA, was recipient of the Allan Gordon Award from the American Society of Photogrammetry, and most recently was recognized with the 1983 Pecora Award, given by the Department of the Interior and NASA for contributions to the science of remote sensing.

Short Course II

Saturday, November 3, 9:00 a.m. to 5:00 p.m.

This course will demonstrate how microcomputers can assist geologists in a cost-effective way, in evaluating exploration data, developing mine plans, estimating mining economics, and preparing feasibility reports. Specifically, the course will include discussions on the following topics:

1. Microcomputer hardware system components: central processing units; data input, output, and storage devices; other relevant peripheral equipment; costs of hardware components; hardware compatibility; how to cut through the vendor's hype.

2. Geologic and mining software: descriptions of available software for evaluating geologic data, developing mine plans, preparing mine cost estimates and financial projections, and writing geologic and mine evaluation reports; software languages and operating systems; customizing dedicated software and writing your own programs; sources and comparisons of available software packages; costs of software; how to select user-friendly software.

3. Matching hardware and software with your needs: defining your hardware and software system requirements; developing systems evaluation requirements; identifying, evaluating, and working with hardware and software vendors; the role and use of microcomputer consultants; how to plan for future expansion of your system.

Coverage of these topics will be "applications oriented" and designed for geologists with a minimum-to-intermediate level of computer literacy. The course will not emphasize terminology.

Faculty: Michael D. Loy, partner of Skelly and Loy Engineers-Consultants, a firm based in Harrisburg, Pennsylvania, offering comprehensive services in mining and environmental research, planning, and design. Loy has more than 12 years of professional experience in providing consulting services to the mining and mineral-processing industry. Specifically, his work has focused on using computer hardware and software to assist clients in all phases of mineral project development.

Stephen A. Krajewski, vice-president of Industrial Ergonomics Incorporated, Denver, Colorado, a consulting firm specializing in geology, industrial health and safety, and ergonomics. Krajewski has more than 15 years of broad experience in completing geologic exploration and mining feasibility studies for metal, energy, and industrial mineral deposits throughout the United States.

Short Course III

Sunday, November 4, 9:00 a.m. to 5:00 p.m.

Co-sponsor: GSA Geophysics Division

The morning session will begin with an overview of seismic photographic-interpretation procedure. A lecture and group participation exercise will explore why seismic reflections follow a chronostratigraphic time line and not time-transgressive formation boundaries. A second lecture will follow on seismic sequence and facies interpretation procedure.

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1984 GSA ANNUAL MEETING SHORT COURSES

Short Courses *(continued from p. 93)*

The afternoon session will open with a group participation exercise on the interpretation of stratigraphy from seismic data. The lecture that follows will cover geologic implications of seismic stratigraphy, focusing on episodic and cyclic sedimentation, type one and type two unconformities, condensed sections, global cycle charts of change of sea level, relation of sea-level change to tectonics, and global chronostratigraphic correlation. The lecture will then also explore why cyclic changes of sea level are a better explanation for "rare" events than 1,000-year storms, 500-foot tidal waves, meteorites, dust, or death stars.

The course will close with a discussion session based on written and oral questions.

The course is designed for professors, students, and government employees. Preference will be given to these categories of registrants.

Faculty: Peter R. Vail, Research Scientist, Exxon Production Research Co., Houston, Texas. Vail's principal publications concern seismic stratigraphy and global changes of sea level and tectonics. Among his many awards are the 1983 Off-Shore Technology Conference Distinguished Achievement Award for Individuals, and being the Bullerwell Lecturer for the United Kingdom Geophysical Society.

SHORT COURSE INFORMATION REQUEST

Please send me preregistration information on
 Remote Sensing _____
 Microcomputers/Mining _____
 Seismic Stratigraphy _____

Please send me the 1984 GSA Annual Meeting and Short Course registration issue in August _____

Name _____

Title _____

Company _____

Address _____

City, State _____ Zip _____

Phone: Office _____ Home _____

Mail to:

GSA Short Course Registrar
 GSA Headquarters
 P.O. Box 9140
 Boulder, CO 80301

1984 GSA ANNUAL MEETING—GETTING TO RENO

Viking Airline Reservation System

For the third consecutive year, GSA has designated Viking Travel, Ltd., of Boulder, Colorado, as the sole airline reservation agent for the 1984 Annual Meeting in Reno.

Viking is a resource for those who want to work with a travel agent in determining the best possible airfares. Ticketing through an agency costs no more than ticketing directly through an airline, and you have the advantage of a service that will survey all airlines and all routing in order to meet your requirements.

In most cases, ticketing will cost less because several of the major carriers into Reno have made reduced-fare arrangements for GSA travelers. These fares are available only when booking through Viking. Of course, fares will vary with routing and days traveled.

United Airlines has guaranteed a "super-saver" fare for all United-served cities, including on-line connecting cities, to and from Reno, for the dates November 2-11, 1984. United will waive all restrictions, including days and time of travel and seating allotments. **Tickets, however, must be issued by Viking Travel at least one week before departure.** The fare used will represent a 30% to 40% savings from coach.

U.S. Air will provide an unrestricted fare for all U.S. Air-served cities, to and from Denver, for the dates November 4-5 and November 8-9, 1984. **Ticketing by Viking Travel is required at least one week before departure.** This fare will benefit those attending the meeting from cities not served by United. Viking will then add the least expensive round-trip fare for Denver-Reno-Denver to complete the routing.

Other. A special three-day San Francisco package has been arranged by Viking. It includes four days and three nights, November 8-11, 1984. Call Viking (see Procedures) for information.

Special airfares without restriction are available *only* through Viking.

As we go to press, samples of fares that would apply without restrictions are listed below.

From	Airline	Coach	Super-saver
Boston	United	\$884	\$419
Atlanta	Frontier	\$840	\$419
Chicago	United	\$744	\$369
Dallas	United	\$630	\$299
Denver	United	\$468	\$249
Los Angeles	United	\$188	\$118
San Francisco	United	\$158	\$ 88

PROCEDURES

1. Call Viking toll-free at (800) 525-0368 [within Colorado, (303) 449-6983]. Call Monday-Friday, 8:30 a.m. to 5:30 p.m. MST.
2. Identify yourself as a GSA registrant.
3. The Viking agent will quote you the discounted fare and confirm your reservation.
4. Payment options: check payable to Viking Travel, Ltd.; major credit card; invoice to your firm.
5. Delivery will be via first-class mail. Tickets will be sent registered mail upon receipt of payment or credit-card authorization.
6. Use your home address for mailing, if this is the most reliable way to assure ticket delivery. Someone must be available to sign for the ticket. Tickets lost in the mail will be reissued only when new payment is made. In order to receive reimbursement for a lost ticket, the passenger must file a lost-ticket application with the airline; this takes up to 10 weeks to process. Of course, 99% of mailed tickets are received with no problems. With registered mail, however, tickets are rarely lost.
7. In the event of a decrease in your airfare, Viking will re-ticket you at the lower fare. If you are aware of special fare discounts from your area, call Viking for re-ticketing.

MEETINGS

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.

Western Research Institute and U.S. Department of Energy Tar Sand Symposium, June 27-29, 1984, Vail, Colorado. Information: L. C. Marchant, Western Research Institute, P.O. Box 3395, University Station, Laramie, WY 82071.

Geotechnical Engineering Practice, lecture series, July 9-10, 1984, Medford, Massachusetts. Information: Tufts University Conference Bureau, Medford, MA 02155; (617) 381-3568.

Fossil Fuels of Europe Conference, July 15-18, 1984, Geneva, Switzerland. Information: AAPG, P.O. Box 979, Tulsa, OK 74101; (918) 584-2555.

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 International 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.

American Water Resources Association 20th Annual Conference and Symposium, August 12-17, 1984, Washington, D.C. Information: Kenneth D. Reid, AWRA, 5410 Grosvenor Lane, Suite 220, Bethesda, MD 20814; (301) 493-8600.

American Quaternary Association Eighth Biennial Meeting, August 13-15, 1984, Boulder, Colorado. Information: AMQUA, Office of Conference Services, Campus Box 153, University of Colorado, Boulder, CO 80310; (303) 492-5151.

NATO Advanced Study Institute Field Excursion in the British Caledonides, August 19-September 2, 1984. Information: A. L. Harris, Jane Herdman Laboratories of Geology, University of Liverpool, Brownlow St., P.O. Box 147, Liverpool L693BX, England.

Geothermal Resources Council 8th Annual Meeting, August 26-29, 1984, Reno, Nevada. Information: Grace Mata, Meetings Group, Geothermal Resources Council, P.O. Box 1350, Davis, CA 95617; (916) 758-2360.

Sixth International Palynological Conference, August 26-September 1, 1984, Calgary, Alberta, Canada. Information: Lois Kokoski, Conference Office, Faculty of Continuing Education, University of Calgary, Education Tower Room 102, Calgary, Alberta T2N 1N4, Canada; (403) 284-5051.

Symposium on Evolution of the Caledonide-Appalachian Orogen, September 3-8, 1984, Glasgow, Scotland. Information: Matt Bates, A. T. Mays, 12 Nineyard St., Scottcoats, Scotland KA21 5HP, U.K.

Oceans 84: Industry, Government, and Education—Designs for the Future, Conference and Exposition, September 10-12, 1984, Washington, D.C. Information: Oceans 84, Marine Technology Society, 1730 M St. N.W., Suite 412, Washington, DC 20036; (202) 659-3251.

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; Telex 253812.

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

Tectonic Geomorphology, 15th Annual Binghamton Geomorphology Symposium, September 28-29, 1984, Binghamton, New York. Information: Marie Morisawa, Dept. of Geological Sciences, SUNY, Binghamton, NY 13901; (607) 798-2615.

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.

International Symposium on Recent Investigations in the Zone of Aeration, October 1-5, 1984, Munich, West Germany. Information: P. Udluft, Inst. für Wasserchemie der TU München, Marchioninstr. 17, 8000 München 70, West Germany; telephone 089/7095 7086-98-80.

Research Methods on Mini- and Microcomputers, 13th Annual Geochautauqua, October 4-5, 1984, Morgantown, West Virginia. Information: M. E. Hohn, West Virginia Geological Survey, Morgantown, WV 26507; (304) 594-2331.

Association of Engineering Geologists 27th Annual Meeting, October 7-13, Boston, Massachusetts. Information: Richard Sherman, Meeting Chairman, Metcalf & Eddy, 50 Staniford St., Boston, MA 02114; (617) 367-4236.

American Institute of Professional 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. (Incorrectly printed as American Institute of Petroleum Geologists in February *News & Information* meetings listings.)

Advances in Reef Science, Joint Meeting of Atlantic Reef Committee and International Society for Reef Studies, October 26-28, 1984, Miami, Florida. Information: Alice Kashuba, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, FL 33139; (305) 672-1840.

North Atlantic Palaeoceanography Conference, November 6-7, 1984, London, England. Information: N. Shackleton, Dept. of Quaternary Research, Godwin Laboratory, Free School Lane, Cambridge CB2 3RS, England.

NEW GSA MEMBERS

The following 522 Members have been elected to Membership by Council action during the period from September 1, 1983, through February 29, 1984 (* indicates transfer from Student Associate to Member).

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|---|---|---|--|--|
| Jonathan M. Achuff
David D. Adams
David M. Advocate
Jerry L. Aiken
Randy Albright* | Chu-Yung Chen
Chen Jiangfeng
Douglas S. Cherkauer
Yee-Ping Chia
Jeffrey H. Chormann*
B. Neil Church
Peter E. Church* | Earl B. Frederick
David J. Froehlich
Mark W. Frye | Robert C. Jachens
Michael K. Jackson*
Edward G. Jaffe
Christian E. Jahrling II*
Noreen T. Jahrling*
Janelle L. Janssen*
David A. Johns
Arthur H. Johnson
Mark D. Johnson*
Peter R. Johnson
Ronald F. Johnson*
Roy A. Johnson*
Philip L. Jones
Brad C. Jordan*
James J. Jorsch | |
| Catherine E. Badgley
David L. Baker*
Mark T. Baranoski
David M. Barlow
Stephen J. Barnes
Cathy W. Barnosky*
Paul J. Bartos
Alan R. Batcheller*
James E. Baxter
Weldon H. Beauchamp
Mark S. Beaufait
Yvan J. Beausoleil
Richard C. Becker
Adam Bekassy
Gregory S. Bennett
Jonathan H. Berg
Glenn W. Berger
Anthony E. Beswick
John P. Bethel
Gordon I. Bibby*
Stephen H. Bishop
Bruce N. Bjornstad
James M. Blaugh
Robert H. Blodgett*
Jeremy L. Boak*
Kwasi Boateng
Andy R. Bobbyarchick*
Nicholas L. Bogen*
Debra J. Bones*
Walter S. Borowski
Richard J. Bottjer*
John W. Boyd
John J. Brice III*
David A. Bristol, Jr.*
Valerie J. Broedel*
Beth D. Brown*
Vernon M. Brown
Glenn R. Bruck*
Alan J. Busacca
Bruce A. Bush
John O. D. Byrd | Nathan P. Couch, Jr.
Dexter H. Craig
Nicholas C. Crawford
R. Keith Crowder
James H. Cullen
Brendan J. Curran
Donald W. Curran

Thomas V. Dagenhart, Jr.*
Arthur R. Dahl, Jr.
William B. Daniels*
Mary E. Davis
Robert E. Day-Lewis
Michele S. Dermer
Jordan P. Diamond
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Gregory A. Zielinski

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The following candidates were elected to Fellowship by Council action at the May 1984 meeting.

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L. D. Carter
David A. Clague
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William W. Craig

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