



GSA news & information

VOLUME 4, NUMBER 8

G.S.A. ARCHIVES

AUGUST 1982

Abstracts Deadline, May 21. Annual Meeting, October 18-21.

“Why is the abstracts deadline so early?”

This question is asked with regularity and concerns many of our members. Discussion of the existing process for establishing the abstracts deadline can result in (1) widespread understanding and acceptance of the current process or (2) suggestions and implementation for change in the process. The following explanation is the product of comments by the 1982 Technical Program Chairman, William Craig; GSA Meetings Manager, Sue Beggs; and GSA Production Manager, James Clark. It is hoped that the explanation will answer your questions about the deadline. We also hope it will stimulate comment.

The need to schedule the abstracts deadline five months prior to the annual meeting dates is primarily determined by two factors: (1) the review process and (2) the advance mailing of the *Abstracts with Programs* volume.

Elimination or change in either of these factors can impact the deadline. To gain a deadline substantially closer to the meeting, one or both of these two factors will have to be altered. Other factors such as composition, production, and printing also impact the timetable. However, these factors have undergone significant revision in the past two years with the resulting savings in the schedule of only one to two weeks. We believe those persons who are concerned about the current deadline are indicating a need for change that would impact the deadline by one or two months.

With this in mind, let's review the current schedule.

SCHEDULE

For the 1982 Annual Meeting the timetable for processing abstracts is as follows:

May 21: Abstracts due GSA headquarters. Allow one week to key into the computer, produce reports of all abstracts submitted in each review category, assemble the 124 reviewer packets of abstracts and reports, and mail to reviewers. Each abstract is reviewed by four (4) volunteer reviewers qualified in the specialty of the abstract. *This gives:*



May 28: Abstracts in mail to abstract reviewers via first class mail. Allow a little over two (2) weeks to reach the reviewers, be reviewed, and placed in the mail back to GSA. This is really a short time because reviewers in the more active specialties will receive over 100 abstracts. *This gives:*



June 14: Last day for reviewers to mail abstracts back to GSA. Allow about two (2) weeks for mail, for tracking down of reviewers whose abstracts are late or missing, for production of Joint Technical Program Committee forms summarizing the reviewer comments for each abstract, production of computer statistics,

(continued next page)

New Orleans New Orleans New Orleans

and general organization of abstracts for the Joint Technical Program Committee Meeting in Boulder and you have:



June 25-26: Joint Technical Program Committee Meeting. The JTPC is composed of representatives from GSA, its divisions and the associated societies, plus some at-large members to cover specialties not found among the societies and divisions. The committee is charged with arranging the technical sessions. This involves acceptance (and rejection) of abstracts and ordering the accepted abstracts into some logical sequence within the technical sessions. In order to accomplish so much in such a short period, the Committee obviously relies heavily on the previous reviews. The committee also examines the overall schedule of events to ensure as minimum a number of conflicts as possible. Allow about one (1) month for the GSA staff to input decisions of the JTPC into the computer data base, print all acceptance and rejection notices, produce the composition for all technical and social programs and other front matter, and complete the production of the camera-ready copy for the printer, and you have:



July 27: Abstracts volume to printer. Allow one (1) month for transportation, conversion to offset negatives, proofing, printing, binding, labeling, sorting, and you have:



August 30: Abstracts delivered to the post office for subscriber mailings. The volume is mailed 2nd class. Postal regulations require 2nd class mail to be forwarded within two weeks after receipt. Thus the volume might be at the post office up to two weeks before mailing. Experience has shown that it takes one (1) to six (6) weeks between the time the abstract volumes are delivered to the post office and their receipt by the subscriber. Bulk shipments of books and program offprints are shipped to meeting site and to GSA warehouse within two to three days of this date, too. *This gives:*



Sept. 5- Abstracts volume in hands of subscribers. It has been the policy of GSA to have the abstract books to the subscribers in advance of the annual meeting. The postal system cannot be relied upon, however, to ensure that this always happens. Even with this early mailing, some do not receive the volume before the meeting, primarily those who reside outside the conterminous United States. *Thus the date that all before has hinged on:*



Oct. 18-21: Annual Meeting. The meeting this year is two weeks in advance of the traditional first week in November

because the major convention hotels were already booked on that date when GSA decided in 1976 to hold the 1982 meeting in New Orleans.

AGU and GSA

Many members have compared GSA's five-month lead-time for abstracts to AGU's three months. AGU is able to work within the three-month timeframe because:

1. AGU does not have a peer review process after the abstracts are submitted. All abstracts submitted are accepted. As pointed out earlier, each GSA abstract is seen by four reviewers prior to JTPC.

2. AGU abstracts are published as a single volume of the weekly publication *EOS*. Because the abstracts are part of a weekly publication series, both the printer and the local post office are geared to handle the volume rapidly. Both GSA and AGU mail at the second-class rate. However, a delay at the AGU post office would create a backlog because another volume of *EOS* would arrive the next week.

3. AGU production staff is involved in a weekly publication (as well as 16 other publications). It is larger than GSA's staff.

4. AGU charges authors \$30-\$40 per member abstract and \$15-20 per student abstract. With AGU's annual meeting abstracts somewhere in the vicinity of 2,000, this provides considerable revenue to support production efforts. GSA once tried an abstract fee, but it met with such disapproval among the membership that it was abandoned.

If GSA were to adopt a three-month lead for its abstracts as a result of eliminating the review process or the advance mailing, the deadline would occur in the summer. AGU's meetings are in June and December, placing the AGU abstract deadline in March and September, respectively. Because GSA meets between mid-October and mid-November, the abstracts deadline would be in July or August. Because this is field time for many members, we anticipate that a change to mid-summer would meet at least as much resistance as the current deadline.

We encourage your comments and ask that you send them in writing to GSA Meetings Manager, P.O. Box 9140, Boulder, CO 80301.



GSA News & Information

Vol. 4, No. 8

August 1982

GSA NEWS & INFORMATION (ISSN 0164-5854) is the monthly newsletter of The Geological Society of America, Inc., P.O. Box 9140, Boulder, Colorado 80301. Second-class postage rates paid at Boulder, Colorado, and at additional mailing office.

Prepared from contributions from the staff and membership by F. Michael Wahl, Executive Director; James R. Clark, Production and Advertising Sales Manager; June Thomas and Ann H. Fogel, Production Assistants.



CENTENNIAL NEWS

1988 Centennial Meeting site to be in Denver

Following a strong positive response from all sectors of the Denver geological community to an inquiry about interest in supporting the GSA Centennial Meeting there, the GSA Council, on recommendation

of the DNAG Steering Committee and the GSA Executive Committee, approved Denver as the site for the 1988 Annual Meeting. This will be the main Centennial celebration. Plan ahead!

Alaskan synthesis volume organized

The organizational meeting for the DNAG synthesis volume on Alaska, another of the 27 volumes of *The Geology of North America*, was held in Menlo Park on April 22–23. An outline with the names of the chapter organizers is given below. As with the other volumes, the chapter organizers will be contacting other individual contributors as the synthesis progresses. Final manuscripts and accompanying synthesis maps for this volume are to be in the hands of the editors, George Plafker and D. L. Jones, by June 1985.

- Chapter 1 Introduction. *G. Plafker, D. L. Jones*
- Chapter 2 History of Geologic/Geophysical Research. *G. Gryc*
- Chapter 3 Major Tectonostratigraphic Elements by Region
 - A. Introduction
 - B. Yukon-Porcupine Triangle. *M. Churkin*
 - C. East-Central Region. *W. P. Brosgé*
 - D. Western Region. *W. W. Patton, Jr.*
 - E. Southwestern Region. *J. E. Decker*
 - F. Gulf of Alaska Margin. *G. Plafker*
 - G. South Central Region. *D. L. Jones*
 - H. Aleutian Arc. *T. L. Vallier*
 - I. Southeastern Region. *H. C. Berg*
- Chapter 4 Development of Major Successor Basins
 - A. Introduction
 - B. Chukchi/Beaufort Sea/Hope Basin Continental Margin. *A. Grantz*
 - C. Bering Sea Continental Margin. *M. S. Marlow*
 - D. Interior Basins. *C. E. Kirschner*
- Chapter 5 Major Structures and Terrane Boundaries
 - A. Introduction
 - B. Boundary Faults. *G. Plafker, P. Coney*
 - C. Deformed Flysch Basins. *D. L. Jones*
 - D. Ophiolite Belts. *W. W. Patton, Jr.*
 - E. Structural Style of Terranes. *P. Coney*
 - F. Paleomagnetic Data. *J. W. Hillhouse*

- Chapter 6 Crystalline Rocks
 - A. Introduction
 - B. Distribution and Significance of Metamorphic Terranes. *C. Dusel-Bacon*
 - C. Age, Character, and Significance of pre-Cenozoic Plutonic Magmatic Belts. *T. P. Miller*
 - D. Age, Character, and Significance of pre-Cenozoic Volcanic Belts. *F. Barker*
 - E. Age, Character, and Significance of Late Cretaceous and Cenozoic Volcanic Rocks Exclusive of the Aleutian Arc. *E. J. Moll*
 - F. Age, Character, and Significance of Aleutian Arc Volcanic Rocks. *B. D. Marsh*
 - Chapter 7 Resources—Their Spatial, Temporal, and Geologic Relationships
 - A. Introduction
 - B. Metallic Minerals. *W. J. Nokelberg*
 - C. Petroleum. *L. B. Magoon III*
 - D. Coal. *G. D. Stricker*
 - E. Geothermal. *T. P. Miller*
 - Chapter 8 Quaternary Geology
 - A. Physiography, Glacial History, and Permafrost. *D. M. Hopkins*
 - B. Neotectonics. *G. Plafker*
 - Chapter 9 Summary
- Pocket Maps:
- 1. Terrane Maps/Stratigraphic Columns. *D. L. Jones* and others
 - 2. Tectonic Map. *P. Coney*
 - 3. Neotectonics/Heat Flow/Hot Springs. *G. Plafker, T. P. Miller*
 - 4. Mineral Deposits. *W. J. Nokelberg, L. B. Magoon III, G. D. Stricker*
 - 5. Seismicity. *J. C. Lahr*
 - 6. Metamorphic Map. *C. Dusel-Bacon*
 - 7. Magmatic Belts. *T. P. Miller, F. Barker*

NEWS FROM GSA DIVISIONS

GSA has nine specialty divisions, eight of which prepare and publish newsletters paid for from their division dues. Much of the information contained in the newsletters is of interest to division members only, but, with the thought that some of the items are of general interest, here are a few excerpts from several recent issues.

F. Michael Wahl, Executive Director

from the Archaeological Geology Division

GSA Annual Meeting, New Orleans, October 18-21, 1982:

The division symposium for New Orleans is titled "Archaeological Geology of Egypt and the Sudan," and has been arranged by Claude Albritton and James Brooks. This topic is timely because many projects there are now maturing and patterns are beginning to emerge that will be of interest to many different groups.

The one-day premeeting field trip will be held Sunday and is called "Cultural and Morphological Change in the Upper Barataria Basin, ca. 900-1700 A.D." (trip no. 4). It will be led by Tom Ryan of the U.S. Army Corps of Engineers and will feature a visit to the Bowie site which will be reopened and drained. The site is quite close to headquarters and we are trying to keep costs low. Sign up and observe the technological problems of exploring archaeological sites geologically in this wet, flat part of the world.

Conference of the Plains Anthropological Society November 11-13, 1982

This conference will be held at the Palliser Hotel, Calgary, Alberta, Canada. Abstracts and symposia proposals are due June 1, 1982.

Symposium on Archaeological Sciences in the Pacific

The symposium, sponsored by the Society for Archaeological Sciences (SAS), will be February 1-4, 1983, during the XV Pacific Science Congress at Dunedin, New Zealand. For more information, write to R. E. Taylor, Radiocarbon Laboratory, Department of Anthropology, University of California, Riverside, CA 92521 or to Foss Leach, Department of Anthropology, University of Otago, Box 56, Dunedin, New Zealand. Note: There will be two cash prizes of US \$300 each for the two best student papers presented.

from the Coal Geologist

PORTUGAL FOR SURE

The ICCP will meet in Portugal this year. The date and location of this 35th general meeting are quite firm. If my French were better, I could probably tell you more than the meeting dates (April 26-30, 1982) and place (University of Porto at Porto). If the announcement had been in Portuguese, however, there would have been one less news item.

Anyone from the Coal Division that wishes to represent our Division of GSA at that meeting and who could use an official letter of

recommendation should contact Dick Harvey (217) 344-1481, or Bill Spackman (814) 865-6545, or Neely Bostick (303) 234-4640. Such a letter could prove useful in seeking travel funds.

from the Engineering Geologist

HAZARDOUS WASTE MANAGEMENT - SOME TRENDS AND PREDICTIONS FOR 1982

Now in its third year of intensive public interest, Hazardous Waste Management has yet to come to a unified front, both in the siting and design of Hazardous Waste Management Facilities (HWMF) and in the remedial treatment (cleanup) of the Nation's worst uncontrolled hazardous waste sites. During the conduct of the first full-scale siting and cleanup activities, in 1981, it became apparent that engineering geology will play a strong role in future activities although 1981 did not bring us to the point of routine choices in siting and cleanup, some very important factors and relationships were generally established. These considerations will be important for engineering geologists and their firms or employers, in planning for continued participation in Hazardous Waste Management.

The role of engineering geology in both siting and cleanup is a clear one. Although most of the geologic efforts are labeled as "hydrogeologic" due to the great and reasonable concern for protection of groundwater, the bulk of the data collection, analysis and decision making favor the expertise held by many engineering geologists. Unlike traditional groundwater studies, HW site exploration deals mainly with the depth and areal extent, engineering properties and physiochemical nature of surficial materials. The techniques and expertise for determining these factors represent the base of technical expertise of most engineering geologists. Furthermore, there is real concern for the effect of near-surface bedrock in determining the presence and nature of movement of groundwater. Again, in many instances, the hydrologic properties of bedrock depend not on primary permeability, but on the elements of secondary permeability; joints and a variety of other fractures induced by weathering and a variety of late-Quaternary physical stresses.

Since the release of the first Resource Conservation and Recovery Act (RCRA) draft regulations in 1978, there has been a pronounced degree of learning and increased understanding among all parties to HWMF siting; Govern-

* * *

In summary, efficient and accurate field explorations, sampling, groundwater modeling, HWMF and remedial design, and construction or cleanup monitoring, belong in the hands of qualified engineering geologists, hydrogeologists and geotechnical engineers. There are literally so many potentials for environmental impairment and financial liability that siting and cleanup management organizations should pay great attention to the need for the best possible technical participation by engineering geologists and hydrogeologists. The final prediction: 1982 should finally prove "who" will become experienced in the degree that significant participation in HWMF siting and cleanup is assured in future years.

from the History of Geology Division

FLORENCE BASCOM REMEMBERED

Bryn Mawr College (Bryn Mawr, PA 19010) has published *The Stone Lady: A Memoir of Florence Bascom* by Isabel Fothergill Smith (1981, 50 p., \$7.50). Smith holds three degrees from Bryn Mawr; her dissertation, directed by Bascom (1862-1945), was published at Bryn Mawr in 1923 as *Anorthosite in the Piedmont Province of Pennsylvania* (40 p.).

WEGENER AND CONTINENTAL DRIFT

The Wissenschaftliche Verlagsgesellschaft, Stuttgart, published in 1980 Martin Schwarzbach's *Alfred Wegener und die Drift der Kontinente* (Grosse Naturforscher 42, 160 p., 29DM). Martin Guntau (Wilhelm-Pieck Univ., Rostock) reviewed Schwarzbach's evaluation of Wegener's concept of continental drift, which Wegener is supposed to have formulated "around 1910," in the September 1981 *Isis*. For new perspectives on the importance of Frank Taylor's model of continental displacement (1910) for the early development of Wegener's ideas (1911-1912), see Stanley M. Totten's (Hanover College) "Frank B. Taylor, Plate Tectonics, and Continental Drift" in the November 1981 *Journal of Geological Education*.

HISTORY OF VERTEBRATE PALEONTOLOGY

The Geological Curator's Group and the Palaeontological Association will sponsor an international symposium on "Vertebrate Palaeontology: History of Collecting and Curation," at the British Museum (Natural History) and the Geological Society of London, Burlington House, September 8-9, 1982. Papers presented may examine the history of collecting vertebrate fossils; collectors and their collections; goals and methods of collecting; curation, display, and conservation of specimens; reinterpretation of historically important specimens; influences on vertebrate paleontology and classification during the last century; rediscovery and conservation of significant collection sites; use of museum collections in biogeographic studies; and the significance of vertebrate paleontology in paleoecology and stratigraphy. Additional information on the symposium should be available in March from the Conference Secretary, Ronald J. Cleavelly, Department of Palaeontology, BM(NH), Cromwell Road, London SW7 5BD.

from the Quaternary Geologist and Geomorphologist

Eleventh International Congress on Sedimentology

The Eleventh International Congress on Sedimentology will be held at McMaster University, Hamilton, Canada, August 22-28, 1982. The program includes nine Quaternary-related sessions: Theme #8, Geomorphology of depositional landforms, S. B. McCann, chairman; Symposium #14, Rudites formed by unidirectional flow, E. H. Koster, chairman; Symposium #16, Eolian sediments and processes, M. E. Brookfield, chairman; Symposium #18, Sedimentation in a cold (non-glacial) climate, H. E. French, chairman; Symposium #19, Glacial marine sedimentation, G. H. Eisbacher, chairman; Symposium #20, Behaviour of glaciers as deduced from till facies, N. W. Rutter, chairman; Symposium #26, Sedimentology of fiords, J. Syvitski, chairman; Symposium #35, Geochronology of recent deposits, J. A. Robbins, chairman; Symposium #38, Archeological sedimentology, B. G. Gladfelter, chairman.

1982 KIRK BRYAN AWARD

The Quaternary Geology and Geomorphology Division has named Kenneth L. Pierce as the recipient of the 1982 Kirk Bryan Award for his paper History and dynamics of glaciation in the northern Yellowstone Park area: U.S. Geological Survey Professional Paper 729-F, 90 p., 1979.

The award will be presented during the Quaternary Geology and Geomorphology luncheon and business meeting that will be held during the GSA Annual Meeting in New Orleans, October 18-21, 1982.

COLE GRANT

The Gladys W. Cole Research Grant has been established by GSA, and it is hoped that the first grant will be awarded in 1982. Administered in accordance with the guidelines specified by the donor, the award will be restricted to investigation of the geomorphology of semiarid and arid terrains in the United States and Mexico. It will be 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 will be for \$1,000 or more, since only the interest of the fund may be used.

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

GLADYS W. COLE MEMORIAL RESEARCH AWARD

The first Cole Grant has been awarded to William J. Breed, Flagstaff, Ariz., for research on the processes that form and control the distribution of giant star dunes in Gran Desierto, northwest Sonora, Mexico. The amount of the award this year is \$1,200.

In accordance with the guidelines specified by the donor, this grant is restricted to investigation of the geomorphology of semiarid and arid terrains in the United States and Mexico. It will be given each year to a GSA Fellow between 35 and 60 years of age who has published one or more significant papers on geomorphology.

from the Structural Geology and Tectonics Division

NEW DIVISION OF GSA ESTABLISHED

The Council of the Society approved the Structural Geology & Tectonics Division and its bylaws on November 19, 1980, during the Atlanta Annual Meeting. The purpose of the Division is to bring together scientists interested in structural geology and tectonics to facilitate the presentation and discussion of their problems and ideas, to stimulate communication with other earth scientists, to promote research and the publication of results on structural geology and tectonic studies, and to advise and assist the officers and committees of the Society in matters pertaining to structural geology and tectonics. In the usage of this Division, structural geology and tectonics deals with the geometry and mechanisms of natural and experimental deformation at all scales.

Any Member, Fellow, Honorary Fellow, or Student Associate of the Geological Society of America who is in good standing may affiliate with the Structural Geology & Tectonics Division by expressing his desire in writing to either the secretary of the Division or the executive director of the Society. Dues in the Division are \$3 per year.

REPORT ON THE 78th ANNUAL MEETING, CORDILLERAN SECTION

A record sectional meeting—1,952 registrants with 1,238 professionals and 714 student associates/students—was held on April 19-21, 1982, at the Anaheim Convention Center. The meeting was hosted by the Department of Earth Sciences, California State University, Fullerton, with Neil J. Maloney and Margaret S. Woyski as co-chairmen. Fourteen field trips, attended by 401 participants, were held before and after the meeting. Guidebooks, compiled and coordinated by John D. Cooper, are still available in six volumes (information given below).

The meeting was held jointly with the Seismological Society of America and the Paleontological Society. A total of 644 papers and poster sessions were given during the three-day meeting, with 9 sessions operating concurrently. Several "firsts" oc-

curred during this meeting in addition to the record attendance:

- (1) Preregistration fees were required with abstract submittal; this successfully reduced the "no-shows" to 3 (from 30).
- (2) At least four reviewers read each volunteered abstract, and two outside reviewers read each symposium abstract. The quality of the program reflected the review process.
- (3) Structure and tectonics continues to be the "hot" subject with at least two sessions operated concurrently each day.
- (4) Computer-assisted processing of the program was handled by Boulder headquarters as a "warm-up" for the New Orleans Annual Meeting in October.

At the time of this writing, no invitation has been yet confirmed for the 1984 section meeting. Suggestions should be forwarded to the secretary, Martin L. Stout.

FIELD TRIP GUIDEBOOKS

Prepared for the 78th Annual Meeting of the Cordilleran Section, Geological Society of America, Anaheim, California, April 19-21, 1982.

Volume	Guidebook	Price
I.	GEOLOGIC EXCURSIONS IN THE CALIFORNIA DESERT	\$11.00
	<i>Field Trip 2:</i> Late Cenozoic Tectonic and Magmatic Evolution of the Central Mojave Desert, California. R. K. Dokka and A. F. Glazner, p. 1-102.	
	<i>Field Trip 13:</i> Geology and Mineral Deposits of the Central Mojave Desert. A. E. Flint and D. Phoenix, p. 103-112.	
	<i>Field Trip 7:</i> Comparison of Mesozoic Tectonics with Mid-Tertiary Detachment Faulting in the Colorado River area, California, Arizona, and Nevada. E. G. Frost, T. E. Cameron, and D. L. Martin, p. 113-159.	
II.	NEOTECTONICS IN SOUTHERN CALIFORNIA	\$9.00
	<i>Field Trip 3:</i> Neotectonics of the Ventura Basin. R. S. Yeats, E. A. Keller, K. R. Lajoie, T. K. Rockwell, A. M. Sarna-Wojcicki, and R. F. Yerkes, p. 1-78.	
	<i>Field Trip 14:</i> Surficial Structure and Geomorphology of the San Andreas Fault, western portion of the "Big Bend." T. Davis and E. Duebendorfer, p. 79-108.	
	<i>Field Trip 4:</i> Geologic Hazards along the San Andreas Fault System, San Bernardino-Elsinore-Hemet, California. G. S. Rasmussen, p. 109-134.	
III.	GEOLOGIC EXCURSIONS IN THE TRANSVERSE RANGES	\$10.00
	<i>Field Trip 5:</i> Geology and structural setting of the San Gabriel anorthosite-syenite body and adjacent rocks of the western San Gabriel Mountains, Los Angeles County, California. B. A. Carter, p. 1-56.	
	<i>Field Trip 6:</i> Late Cenozoic stratigraphy and structure of the San Bernardino Mountains. P. M. Sadler, J. E. Foster, R. J. Weldon, K. E. Meisling, p. 57-108.	
	<i>Field Trip 11:</i> Crystalline basement terranes in the southern Eastern Transverse Ranges, California. R. E. Powell, p. 109-151.	
IV.	GEOLOGY OF SELECTED AREAS IN THE SAN BERNARDINO MOUNTAINS, WESTERN MOJAVE DESERT, AND SOUTHERN GREAT BASIN, CALIFORNIA	\$12.00
	<i>Field Trip 9.</i> J. D. Cooper, B. W. Troxel, and L. A. Wright, Editors, 202 p.	
V.	LANDSLIDES AND LANDSLIDE ABATEMENT, PALOS VERDES PENINSULA, SOUTHERN CALIFORNIA	\$ 7.00
	<i>Field Trip 10.</i> P. E. Ehlig and M. E. Ray, 98 p.	
VI.	LATE QUATERNARY PEDOGENESIS AND ALLUVIAL CHRONOLOGIES OF THE LOS ANGELES AND SAN GABRIEL MOUNTAINS AREAS, SOUTHERN CALIFORNIA AND HOLOCENE FAULTING AND ALLUVIAL STRATIGRAPHY WITHIN THE CUCAMONGA FAULT ZONE: A PRELIMINARY VIEW	\$ 5.00
	<i>Field Trip 12.</i> T. C. Tinsley, J. C. Matti, and L. D. McFadden, 44 p.	

The six volumes can be purchased as a set for the price of \$50.00 (plus postage and handling). Complete sets as well as separate volumes can be obtained from

J. A. Ryan
Department of Earth Science
California State University, Fullerton
Fullerton, CA 92634

Please include \$1.50 for postage and handling for each order and make check or purchase order payable to CSUF FOUNDATION

GSA Council Meeting Announcements, May 1982

COUNCIL LISTS NOMINEES FOR 1983

For Councilor (1983-84) and President (1983)
Paul A. Bailly; Lakewood, Colorado

For Councilor and Vice-President (1983)
M. Gordon Wolman; Baltimore, Maryland

For Councilor and Treasurer (1983)
Robert L. Fuchs; Westport, Connecticut

For Councilors (1983-1985)
Maria Luisa B. Crawford; Bryn Mawr, Pennsylvania
Doris M. Curtis; Houston, Texas
George A. Thompson; Stanford, California
Peter J. Wyllie; Chicago, Illinois

GSA announces medal and award winners for 1982

The 1982 medalists and award winners announced by the Council at its May 1982 meeting are as follows:

PENROSE MEDAL:

Aaron C. Waters,
83 Mimbres Drive
White Rock, NM 87544

DAY MEDAL:

Eugene M. Shoemaker
U.S. Geological Survey
2255 North Gemini Drive
Flagstaff, AZ 86001

KIRK BRYAN AWARD:

Kenneth L. Pierce
U.S. Geological Survey
Mail Stop 913
Box 25045, Federal Center
Denver, CO 80225

MEINZER AWARD:

No award given in 1982.

BURWELL AWARD:

Douglas R. Piteau
Piteau & Associates, Ltd.
408 Kapilano 100 Building
West Vancouver, BC V7T 1A2
and
F. Lionel Peckover
96 Perodeau
Vaudruil, Quebec J7V 5V5

CADY AWARD:

No award given in 1982.

HISTORY OF GEOLOGY AWARD:

George W. White
Department of Geology
254 Natural History Building
University of Illinois
Urbana, IL 61801

NATIONAL MEDAL OF SCIENCE:

Nominations from GSA not required until further notice.

Future GSA annual meeting dates

1983	October 31–November 3	Indianapolis
1984	November 5–8	Reno
1985	October 14–17	Boston
1986	November 10–13	San Antonio
1987	October 26–29	Phoenix
1988	October 31–November 3	Denver

GSA announces Honorary Fellowships for 1982

The 1982 Honorary Fellows announced by the Council at its May 1982 meeting are as follows:

Wallace S. Pitcher

Jane Herdman Laboratories of Geology
University of Liverpool, Brownlow Street
P.O. Box 147
Liverpool L69 3BX, England

Eugen Seibold

Geology Institute
University of Kiel, Germany

Bernard P. Tissot

Institut Francais du Petrole
4. avenue de Bois-Preau
92502, Rueil, France

Penrose Conferences approved

Two Penrose Conferences were approved by Council at the May 1982 meeting. They are the following:

"Tectonic Geomorphology" Suggested time: Late April 1983

Conveners:

William B. Bull

Department of Geosciences
University of Arizona (602) 626-2219
Tucson, AZ 85721 or 626-1819

Robert E. Wallace

U.S. Geological Survey
345 Middlefield Road (415) 323-8111
Menlo Park, CA 94025 Ext 2751

"Blueschists and Related Eclogites" Time: September 5–9, 1983

Bellingham & Seattle, Wash.

Conveners:

Edwin H. Brown

Department of Geology
Western Washington University (206) 676-3582 (dept)
Bellingham, WA 98225 676-3586 (direct)

Bernard W. Evans

Dept. of Geological Sciences
University of Washington (206) 543-1190 (dept)
Seattle, WA 98195 543-1750 (direct)

Robert B. Forbes

Dept. of Geological Sciences
University of Washington (206) 543-1190 (dept)
Seattle, WA 98195 543-4434 (direct)

Peter Misch

Dept. of Geological Sciences
University of Washington (206) 543-1190 (dept)
Seattle, WA 98195 543-1094 (direct)

1983 GSA Section Meetings & Annual Meeting

SOUTH-CENTRAL SECTION (March 3-4, 1983)

Abstracts must arrive by: October 14, 1982

Andrew Hajash & Robert Popp
Geology Department, Texas A&M University
College Station, TX 77843
(713) 845-2451

SOUTHEASTERN SECTION (March 16-18, 1983)

Abstracts must arrive by: October 28, 1982

Paul Ragland
Department of Geology, Florida State University
Tallahassee, FL 32306
(904) 644-5860

NORTHEASTERN SECTION (March 23-25, 1983)

Abstracts must arrive by: October 15, 1982

Elizabeth Downie
Department of Geological Sciences, SUNY at New Paltz
New Paltz, NY 12561
(914) 257-2167

NORTH-CENTRAL SECTION (April 28-29, 1983)

Abstracts must arrive by: December 7, 1982

S. W. Bailey
Department of Geology & Geophysics, Weeks Hall
1215 W. Dayton St.
Madison, WI 53706
(608) 262-1806

CORDILLERAN & ROCKY MOUNTAIN SECTIONS—Combined 1983 Meeting (May 2-4, 1983)

Abstracts must arrive by: November 29, 1982

Peter H. Roth
Department of Geology & Geophysics, University of Utah
Salt Lake City, UT 84112
(801) 581-6553

GSA ANNUAL MEETING (October 31-November 3, 1983)

Abstracts must arrive by: June 3, 1983

Abstracts Coordinator, GSA
3300 Penrose Place
P.O. Box 9140
Boulder, CO 80301
(303) 447-8850



SPECIAL NOTICE ABOUT 1983 ABSTRACT FORMS

In the past, GSA has had one abstract form for section meetings and a different form for the annual meeting.

For 1983, there will be **ONLY ONE FORM**. It may be used for any of the five 1983 section meetings and for the annual meeting as well. It is clearly marked in this manner.

These new 1983 abstract forms are available now. Each form includes detailed instructions for preparation.

Forms are being widely distributed to most university and college geology departments, to all major U.S. Geological Survey offices, to all state geologist offices, to many business and industrial offices, and to all those who submitted abstracts for 1982.

If you need forms and cannot find one locally, please complete the coupon below and mail it. They will be provided promptly.

1983 ABSTRACT FORM REQUEST

To: GSA Abstracts Coordinator
P.O. Box 9140
Boulder, CO 80301

Please send _____ copies of the 1983 GSA abstract form. I understand that the same form may be used for all 1983 GSA meetings—the five Section Meetings and the Annual Meeting.

Name _____
Organization _____
Address _____
City _____ State _____ ZIP _____

_____ Please check here if you have NOT been receiving mailings about GSA's publication sales but would like to be added to our mailing list.

1982 Annual Meeting

GSA/VIKING AIRLINE RESERVATION SYSTEM

The Geological Society of America has designated Viking Travel, Ltd. of Boulder, Colorado, as the sole airline reservation agent for the 1982 Annual Meeting in New Orleans.

Viking will make arrangements for attendees, regardless of point-of-departure, and guarantees that you will receive the least expensive airfare available from your departure city.

You are encouraged to make your airline reservations through the GSA/Viking toll-free "hotline" number: **(800) 525-0368**.

PROCEDURES

1. Call Viking toll-free at (800) 525-0368, or from within Colorado at (303) 449-6983. Call Monday through Friday, 8:30 to 5:30 p.m. or Saturday, 10:00 a.m. to 2:00 p.m., mountain time.
2. Identify yourself as attending the GSA/New Orleans Annual Meeting and request a reservation from your departure city.
3. The Viking agent will immediately confirm your reservations, and quote you the applicable group-fare or deep-discount fare.

Postmeeting **R&R**

Thinking of rest and relaxation after the meeting?

The 1982 New Orleans Committee has trips that may fit your vacation travel schedule.

Trips are organized and sponsored by Viking Travel. All trips include:

1. Departure from New Orleans Friday morning, October 22, and return Sunday, October 24.
2. Extra nights should you wish to extend your trip.
3. Special travel discounts.

For brochures and reservations call the toll-free hot line (800) 525-0368. Colorado residents call 449-6983.

LAND OF THE CAJUNS DELUXE MOTORCOACH TOUR

A land of contrasts and beauty, Acadia County is the land of the Cajuns (the French Canadians that fled British rule and French aristocrats escaping the guillotine), of Cajun cuisine and crawfish boils, of *fai do do's* and Mardi Gras parades, of horse racing and hunting, fishing . . . and more! The deluxe three-day motorcoach tour departs from New Orleans hotels on Friday morning (Oct. 22) and proceeds for an in-depth and unforgettable visit to Cajun country . . . with return to the New Orleans Airport Sunday afternoon (Oct. 24). The program includes all transportation, hotel accommodations, 2 breakfasts, 3 lunches, 2 gourmet-style dinners, all baggage handling, comprehensive sightseeing with all admissions as well as all taxes and gratuities for services rendered . . . only **\$300 per person double occupancy; \$350 single occupancy**.

4. Payment options are:
 - a. Check payable to Viking Travel, Ltd.
 - b. Major Credit Card.
 - c. Invoice to your firm.
5. Delivery will be via first-class mail. You will receive your tickets at least two weeks prior to departure. Payment or credit card authorization is required before mailing.
6. Your reservation will be monitored to take advantage of any fare reductions that may occur between the time of booking the reservation and the ticketing date. In the event of a fare increase, your reservation will be ticketed at the previously confirmed lower fare.

That's all there is to it!

The GSA/VIKING AIRLINE RESERVATION SYSTEM was designed to assure you of confirmed, discounted reservations to the meeting in New Orleans. Because Viking has arranged special GSA fares on several major airlines, we encourage you to make your reservation through VIKING. Other agencies or airlines will not be able to offer the same attractive fares.

Call today to assure the best flight schedule for you!

DAZZLING CANCUN

The Mexican Caribbean is both the oldest and newest resort area in Mexico. The Mexican kings came to Cancun 1,000 years ago to enjoy its white sand and crystal waters. Cancun offers every activity and pastime that even the most sophisticated traveler could desire. It's a casual, stroll-around-barefoot-in-the-sand kind of place with transparent blue waters. The three-day tour features the dazzling Aristos Cancun Hotel for two nights, round-trip air transportation from New Orleans, round-rip transportation from Cancun Airport to the hotel, all baggage handling at the airport and hotel, half-day Fiesta Maya Cruise, Mexican hotel taxes . . . everything for only **\$275 per person double occupancy; \$310 single occupancy**.

All prices are quoted *per person* and based on current tariffs as of May, 1982. Prices are subject to change.

VIKING TRAVEL

2079 30th Street

Boulder, CO 80301



UPDATE

OCEANS 82 Conference and Exposition to be held in Washington, D.C., in September

The Geological Society of America is a participating organization in the OCEANS 82 Conference and Exposition to be held September 20-22, 1982, in Washington, D.C. The OCEANS 82 Conference and Exposition will be sponsored by the Marine Technology Society and the Oceanic Engineering Council of the Institute of Electrical and Electronic Engineers. The theme for the conference, "Government, Industry, and Academia—Partners in Ocean Progress," expands on the OCEANS 81 theme on the ocean as a workplace.

Advance registration is now open. Contact

OCEANS 82
1730 "M" Street, North West
Suite 412
Washington, DC 20036

BSCES/ASCE Geotechnical Lecture Series planned for fall 1982

Engineering Geology is the subject of the 1982 BSCES/ASCE Geotechnical Lecture Series to be held at Massachusetts Institute of Technology in the fall of 1982. Experts in the field of engineering geology will present the following topics:

Slope stability

Dr. Douglas Piteau, D. R. Piteau & Associates

Coastal engineering

Dr. Miles Hayes, Research Planning Institute, Inc.

Urban geology

Dr. Robert Leggett, Consultant

Underground construction

Dr. Dougal McCreath, Golder Associates

Engineering seismicity

Dr. Lloyd Cluff, Woodward-Clyde Consultants

Regulatory geology

Richard Meehan, Earth Science Associates, Inc.

The lectures will be held on Tuesday evenings from 6:30 to 9:00 p.m. on October 12, 19, and 26, November 9 and 16, and December 7. The registration fees will be: BSCE section members \$95, nonmembers \$120, and students \$35. Lecture notes for the entire series are included in the registration fee or may be purchased separately for \$35. Additional details/registration forms are available from Tom Lamb, c/o Stone & Webster Engineering Corp., P.O. Box 2325, Boston, MA 02107.

Seminar: Geologic Implications of Hazardous Waste Disposal, Atlanta, Georgia, September 17, 1982

The Southeastern Section of the Association of Engineering Geologists is sponsoring a one-day seminar on the siting, monitoring, liability, and geologic/geotechnical implications of hazardous waste disposal. Speakers will include a cross section of consulting, legal, and regulatory agencies. The all-day seminar will be held at the Windy Hill Marriott Inn in Atlanta at the intersection of I-285 and I-75 on Friday, September 17, 1982, at 8:30 a.m. Registration is \$35 in advance or \$40 at the door and includes lunch and dinner. Contact Joe Drumheller, Seminar Chairman, Law Engineering Testing Company, 396 Plasters Ave., P.O. Box 13260, Atlanta, Georgia 30324 or call (404) 873-4761 (office); (404) 971-4928 (home).

Smithsonian Institution Foreign Currency Grants Program

The Smithsonian Foreign Currency Program, a national research grants program, offers opportunities for support of research in Burma, Guinea, India, and Pakistan in the following disciplines: anthropology, archeology and related disciplines; systematic and environmental biology; astrophysics and earth sciences; and museum programs.

Grants in the local currencies of the above listed countries are awarded to American institutions for the research of senior scientists. Collaborative programs involving host country institutions are welcome. Awards are determined on the basis of competitive scholarly review. The deadline for submission is November 1 annually. For further information, write the Foreign Currency Program, Office of Fellowships and Grants, Smithsonian Institution, Washington, DC 20560, or call (202) 287-3321.

Southeastern Section awards grants-in-aid

SEGSA Student Support Committee (R. W. Deininger, Chairman) announces that the Southeastern Section awarded grants-in-aid of research to the following four GSA Student Associates in June 1982:

Gregory M. Guthrie, Florida State University: Tectonic Setting of Talladega Slate Belt Lower Clastic Sequence . \$300

Theodore D. Johnson, Virginia Polytechnic Institute and State University: A Detailed Study of the Norumbega Fault Zone, Eastern Maine \$550

Noel G. Simmons, Virginia Polytechnic Institute and State University: Structural Analysis of Apparent Cross-folds and Diagenesis of the Oriskany Sandstone in the Bergton Gas District \$500

Laura Anne Waters, University of Alabama: Correlation of Upper Eocene and Lower Oligocene Strata in Mississippi and Alabama \$550

The four grants are the first awarded under a program approved by the Management Board in March 1982. The grants are funded from investment income and are administered by the recently established SEGSA Student Support Committee.

Applicants for the grants must be Student Associates of GSA and enrolled in colleges or universities within the geographic boundaries of the Southeastern Section. Undergraduate as well as graduate students are encouraged to apply. The next deadline for applications will be February 15, 1983. For further information, contact Dr. Stephen Stow, Sec.-Treas., SEGSA; Oak Ridge National Laboratory; Box X; Oak Ridge, TN 37830; Phone (615) 574-7830.

33rd Annual Highway Geology Symposium

The 33rd Annual Highway Geology Symposium will be held September 15-17, 1982, in Vail, Colorado.

For further information, contact Jeff Hynes, Colorado Geological Survey, 1313 Sherman Street, Room 715, Denver, CO 80203; Phone (303) 866-2611; or Martin C. Everitt, U.S. Forest Service, 11177 W. 8th Ave., Box 25127, Lakewood, CO 80225; Phone (303) 234-4405.

REPORT FROM THE ABSTRACT COORDINATOR

1982 a record year for volunteered abstracts

The final count on volunteered abstracts submitted for the 1982 Annual Meeting of GSA and the associated societies was a record 1,369. This is an increase of 271 compared to 1981, and 161 more than the previous record year, 1979.

Ironically, this record count was in a year when the Annual Meeting and the related abstracts deadline both were earlier than in recent years. The earlier dates may account for the fact that 84% of the abstracts (1,150) were received within the last five days prior to the deadline, compounding the processing workload at headquarters at deadline time.

However, the increased workload was handled with greater speed than in previous years. Within two days of the cutoff, all abstracts had been logged onto the computer record, acknowledgments of receipt had been sent to all speakers, and all reports on the number of abstracts received for each of the 31 categories had been generated for management, the Program Chairman, and GSA Council.

Within the two following days, all volunteered abstracts had been organized and mailed with evaluation sheets to this year's reviewers. This was ahead of the announced schedule, thus we were able to give reviewers an extra few days for their tasks.

The improvement in the required processing time was due to two factors. First, the system of pre-numbering all abstract forms eliminated the need to affix log numbers to each abstract (and all copies) as they arrived, and the numbers facilitated several other improvements in the processing and checking routines.

Second, a number of planned improvements in our computer programs used for abstracts processing were implemented, completing our three-year automation process for abstracts processing and eliminating the remaining time-consuming hand operations.

Once again this year, the geologic community overwhelmingly accepted our request to use the current year's

HISTORY OF VOLUNTEERED ABSTRACT SUBMISSIONS FOR ANNUAL MEETING
(Symposia abstracts are not included here)

ABSTRACT CLASSIFICATION	1976	1977	1978	1979	1980	1981	1982
Archeological Geology	12	12	13	14	10	10	14
Coal Geology	27	20	27	22	19	30	34
Economic Geology	62	46	56	90	73	86	105
Engineering Geology	14	3	13	40	14	21	19
Environmental Geology	26	18	28	15	22	19	19
Extraterrestrial Geology	4	7	5	3	4	4	12
General Geology	15	5	5	14	8	6	10
Geochemistry	131	91	92	110	106	91	121
Geology Education	17	9	19	18	21	7	16
Geomorphology	34	32	27	26	25	27	34
Geophysics	9	14	20	14	20	11	18
Geoscience Information	4	0	11	7	10	6	12
History of Geology	4	4	12	8	5	2	6
Hydrogeology	29	20	30	40	39	36	54
Marine Geology	82	77	82	118	94	52	93
Mathematical Geology	0	0	3	3	6	3	7
Micropaleontology	25	10	22	15	33	26	37
Mineralogy/Crystallography	37	42	49	53	53	40	45
Paleontology/Paleobotany	67	56	60	71	74	79	95
Petrology, Experimental	0	20	18	28	28	23	28
Petrology, Igneous	136	68	74	95	71	63	93
Petrology, Metamorphic	0	30	48	44	33	41	38
Petrology, Sedimentary	0	0	0	17	24	34	43
Precambrian Geology	10	9	40	22	26	25	23
Quaternary Geology	28	38	59	63	45	57	39
Sedimentology	78	47	68	60	72	50	66
Stratigraphy	27	24	24	38	31	28	43
Structural Geology	29	25	35	37	52	87	72
Tectonics	55	44	62	96	64	102	107
Volcanology	0	0	21	21	20	17	37
Other	0	0	0	6	3	15	29
TOTALS	962	771	1,023	1,208	1,105	1,098	1,369

pre-numbered abstract forms. Less than 1%, or about 18, of the abstracts submitted were on forms other than the current year's form. This greatly speeded the processing.

Although mentioned elsewhere in this issue, it is worth noting that new abstract forms for 1983 are now available and *may be used for all 1983 section meetings and for the 1983 Annual Meeting as well*. There will no longer be a different abstract form for section meetings. We think this will be a welcome change, too.

For those who are interested, the table shows the volunteered abstracts submitted for the 1982 Annual Meeting in each of the 31 categories.

GSA Annual Meeting, New Orleans, October 18-21

REGISTRATION, HOUSING, FIELD TRIP, AND OTHER MEETING INFORMATION

was published in the July issue of *News & Information*.

If you would like to receive this issue, call or write the GSA Meetings Department at Boulder headquarters.

PREREGISTRATION DEADLINE: SEPTEMBER 17, 1982

NEW MEMBERS

The following 485 Members have been elected to Membership by Council action during the period from September 1, 1981, through February 28, 1982 (*indicates transfer from Student Associate to Member).

Abdur Raquib A. Basit
Frederic C. Ackman
Lawrence J. Acomb
Randall L. Adams
Richardson B. Allen*
Michael D. Allison
Mark E. Ander
Garry G. Anderson
Susarf L. Anderson*
Knut A. Andersson*
Kenneth R. Appel, Jr.
George A. Armbrust
Patricia C. Ater*
William I. Aulich
Atilla Aydin

M. L. Babuin*
Lance D. Bacon
Palmer K. Bailey
Steven N. Balone
Charles W. Barnes
Barbara A. Barreiro*
Robert L. Bauer*
Donald F. Beaumont
Dennis J. Bebel*
Gary M. Beckerman*
Julie A. Benham*
Steven C. Bergman*
Lisa Ann Bernardini*
David A. Bero
Dulcy A. Berri*
Lamora Bies*
Saleh M. Billo*
Bruce J. Bilodeau
Renato R. Bizzio
Robert W. Blake*
Robert P. Blauvelt
Daniel O. Blout
William R. Boehme
Adrienne T. Bonnet
Michael H. Bowery
Timothy P. Brabets
Sokari P. Braide
Frederick Kredel Brown
A. Lindsay Bundschu*
Russell C. Bunker
Robert L. Burk
James R. Burnell, Jr.*
Tim B. Byrne*

Michael L. Capps
Brian J. Cardott*
John R. Carpenter
Michael C. Carpenter
Richard B. Carten
Joseph O. Carter
Kristine Junge Carter*
Beverly F. Cellini*
Patrick N. Chance*
Stephen I. Chazen*
Victor B. Cherven*
Wen-An Chiou*
Anna W. Clark
Pamela E. Clark
Bonnie J. Conklin*
M. Elizabeth Conley*
Frederick A. Cook*
Terry A. Cook*
Teresa A. Cooney
Robert V. Corwin*

Gregory B. Cox*
George L. Crawford
Michael F. Crawford*
Joe J. Criscione*
David P. Crisman*
Gil W. Cumbee*
Stanley L. Cunningham

William M. Dalness*
J. Matthew Davidson
Robert Hill Davidson
Robin V. Davis
Garrett A. Day*
Dodd W. DeCamp*
Edward R. Decker
John E. Decker*
Mark F. Deering*
Paul A. Delcourt
Richard S. Della Valle*
David A. Dellinger
Alan G. Del Signore*
James M. Demarest*
Margaret A. Dewhurst*
John C. Dixon*
David R. Dockstader
Clifford H. Dodge
Russell L. Dodson*
Martin L. Dommer
David P. Donegan*
Michael D. Duggan
Lorie A. Dunne*

Ronald J. Echols
Delbert W. Edelman
Fritz W. Ehlers
Paul J. Ehret
Mohamed El Hashemi
James T. Engelbrecht
James L. Erjavec
Inci E. Ertan
Karl V. Evans*
Duane A. Everspoll*

Stuart W. Fagin*
Lawrence B. Fearn
Lloyd C. Felton, Jr.
Thomas H. Fett
Claude R. Fewell
Michael A. Fisher
Gary M. Fleeger
Chris H. Fletcher
Andrew J. Flurkey
Lawrence J. Flynn*
Richard K. Foster
William R. Foster*
Robert Fourt
John M. Fowler
Julie A. Fowler*
Benjamin J. Francka
Thomas C. Francy
Wayne T. Frankie
Dennis E. Fries
Rodger C. Fry
Matthew X. Furin

Wilbert P. Gaston*
William K. Gibbs, Jr.*
Glenn A. Gierzycki*
Stephen L. Gillett*
Allen F. Glazner*

Cem Gokgek
Matthew P. Golombek*
Lee L. Gorday*
William A. Goss
Connie Jo Gough*
Elizabeth A. Gould
Mickey B. Graves
Gregory N. Green*
John C. Grossman
Mark L. Grummon*
Margaret J. Guccione*
Terry W. Gulliver
C. Fred Gullixson*
Lawrence R. Guth*
Alan Guy*

Gary H. Haag*
Daniel Habib*
Peter H. Hahn*
Mark D. Hamilton
Jong H. Han*
Dale L. Harber*
Anne H. Harrington
William K. Hart*
Thomas A. Hauge*
Ernest C. Hauser*
Richard T. Haworth
David E. Hay
Clarence M. Head
Timothy J. Heer
Floyd H. Henk, Jr.
David M. Henry
Richard L. Henry
Wendy Heppler
Robert R. Herner
Patti J. Herring*
Robert T. Herz
Beverly L. Herzog
Richard W. Hess
Robert E. Hike
Robert W. Hill, Jr.
Kurt C. Hinaman
Scott T. Hinschberger*
Charles W. Hoffman*
David S. Holland
Myron K. Horn
Michael B. Horton*
Louise D. Hose*
Kevin C. House
William H. Hoyt*
Roger D. Hughes
Jesse L. Hunt, Jr.
Joel A. Hunt
Timothy J. Hurley

Mark T. Ingram
Gary D. Ishibashi*

Gary K. Jacobs*
Jeffrey T. Jacobs
Peter R. Jacobson
Kermit Jamison*
Thomas E. Jennings
Joseph M. Jensen
Oscar L. Jensen
Steven M. Jessee*
Cheryl Elaine Johnson*
Gary Daniel Johnson*
Thomas L. Johnson
Duane B. Jorgensen

Nancy L. Joseph*
Ruth I. Kalamarides*
Thomas A. Kallio
Marc J. Kamerling*
Patti B. Kaygi
Mohamed T. Khalil
Christopher J. Khourey
Jeanne J. Kinney
James A. Kipp
Ian Keith Kirkland*
Barbara R. Kistler*
Lucille E. Kite*
Ira E. Klein*
Pamela J. Klessig
Thomas D. Knudson
Itzhak E. Kornfeld*
Stephen J. Kotlar
William S. Kowalik
Bart J. Kowallis
Andrew J. Kucserik

Michael K. Laney*
Steven M. Lanter
Al B. Larson*
Robert A. Larson
Fred W. Lawrence
Richard T. Leigh
Eric M. Leonard*
Alice Lew*
Terry L. Leyenberger*
Feng-Chih Lin*
Enrique Linares
Steven H. Lingrey*
Christopher R. Lloyd
Thomas J. Lochen
Dalton F. Lockman
Aubrey L. Long
J. Eduardo Lopez-Romero*
John C. Lorenz*
Colin M. Loring
Allen Lowrie
Michael D. Luken
Stephen T. Luthy*

Dawn H. Madden
Thomas M. Maher*
Robert J. Mahoney
Richard C. Maly
Walter L. Manger
Kenneth H. Manning
Daniel G. Manweiler
G. Bradford Margeson*
Bernard Markunas
David J. Marsh
Kimberly A. W. Martin*
Steven G. Martindale*
W. Dallam Masterson
Niall J. Mateer
Mark E. Mathisen*
Randall L. Maud*
Jeffrey A. May
Penny McAlaster*
William F. McCaffrey*
Camilla K. McCauley
William D. McCoy*
Scott F. McDonald
Katie Joe McDonough
Leslie D. McFadden*
Timothy R. McHargue*

Robert D. McMechan
William S. Meddaugh*
Ann O. Meeker
Paul Z. Melcon
Carl V. Mendelson*
Charles M. Merguerian*
Ira S. Merin
Peter M. Mesard
Frederick W. Metzger
Marise J. Mikulis
James R. Miller
Henry E. Millson III
Doris C. Minnerath
Kirk L. Mitchell
Victoria E. Mitchell*
Steven K. Mittwede*
Zoev Mogri
Syed Iqbal Mohsin
Alberic M. Monjoie
David Gareth Moore
Judy E. Moore*
Wayne E. Moore*
Russell P. Moran
William T. Morgan
Martin E. Mortensen
Deborah L. Motycka
Kathryn A. Mrotek*
Cary L. Mrozowski
Rosalind Munro
Kent S. Murray*
Stephen R. Myers

R. Damion Nance
Thomas R. Nardin*
William P. Nash
Michael J. Neilson
James W. Newman
R. Larell Nielson*
Robert A. Nilson*
Geoffrey Norris
Richard E. Nosker*
Sue A. Nosker*

Daniel B. Oakley
Michael C. O'Brien III
George F. Oertel
Yujiro Ogawa
Terrence A. Okumura
Catherine R. Orban
Valerie J. Orr
Franklin Ortiz
Glenn R. Osburn
Karl S. Osvald

William A. Parisi
Sandra M. Parks*
David B. Pasciak*
Scott R. Paterson*
Terry L. Pavlis*
William S. Pendexter*
Susan J. Pepperney
Gail S. Peretsman
Joseph J. Perkins, Jr.
Garnett H. Pessel
Douglas C. Peters*
Stephen D. Pettit
Steven M. Petty*
Laurence M. Phelps III
Lee R. Phillips
Samuel M. Pickering, Jr.

NEW FELLOWS

The following candidates were elected to Fellowship by Council action at the May 1982 meeting.

Kenneth R. Aalto	Paul Geoffrey Feiss	Assad Iranpanah	Elisabeth Newton	Erwin Scheibner
Richard T. Bachman	Rodney M. Feldmann	Harrison C. Jamison	Terry W. Offield	Frederick Lyon Schwab
Mervin J. Bartholomew	Robert G. Font, Jr.	Donald Lee Johnson	Andrew V. Okulitch	William B. Size
Lawrence I. Benson	John J. Gallagher, Jr.	Thomas E. Klaus	Reginald Arthur Olson	William V. Sliter
Richard S. Bishop	David G. Gee	Rudolph W. Kopf	William D. Page	Robert B. Smith
Arthur D. Cohen	M. Charles Gilbert	Marcus G. Langseth	Kuo-Liang Pan	Arthur W. Snoko
Raymond M. Coveney, Jr.	Neil J. Gilbert	Susan Ann Longacre	William J. Perry, Jr.	Virginia Steen-McIntyre
Timothy A. Cross	Billy Price Glass	Bruce D. Marsh	Max Warren Reams	Peter J. Tarkoy
David M. Cruden	Donald G. Hadley	William F. McKenzie	Juergen Reinhardt	M. Nafi Toksoz
Ralph L. Erickson	Robert E. Harpster	Leigh W. Mintz	Edwin Simons Robinson	Edward L. Winterer
Frank R. Ettensohn	Charles J. Hoke	Alan E. M. Nairn	Roberto Sarmiento	Robert P. Wintsch

New Members (con't)

Michael L. Pierce	Matthew V. Satter	Thomas D. Smith	Richard L. Thurn	Elmer James Webb
John C. Pitlick	George J. Saucedo	M. Claire W. Snavely*	Susan Timm	Jack M. Weiss
Patrick S. Plumley	Jospeh A. Scalamogna	Parke D. Snavely III*	Timothy A. Timmcke	Gereon J. Welhouse
Clifford R. Pollock*	Mark W. Scanlon	Lawrence W. Snee*	Keith M. Tockman	Mary E. Westerback
Patricia J. Popp	Jay R. Scheevel*	David M. Snyder	Jordon F. Todd*	Hugh T. M. Whelan
Barbara B. Portwood*	Jay T. Schiering	Steven M. Solomon	Laura E. Toran*	Craig M. White
James E. Powers	Paul G. Schmidt	Joseph T. Souther	Theodoros Toskos*	F. Wayne White
Karen L. Prestegaard	Gary L. Schoepflin	Alan W. Spang*	Dale B. Truesdell	Martha S. White
Francisco Querol	Richard E. Schofield*	Jon E. Spencer*	Eric J. Tuppen	Galen W. Williams*
Richard C. Quittmeyer*	Sue A. Schreiber*	Dale A. Springer*	Margaret L. Turner	John L. Williams
Robert G. Raabe	Paul A. Schroeder*	Eileen Stanley	Timothy N. Tvrdik*	Don A. Williamson
Gerald M. Ragan	William J. Schweller*	Edward J. Steele	Greg L. Twombly	Bruce D. Wilson*
Catherine A. Raine	David P. Seagraves*	Gary C. Stephenson	Jaime H. Urrutia Fucugauch*	Colin J. N. Wilson
Kenneth L. Ransom*	F. A. Seamans	Jeffrey R. Stern*	Steven I. Usdansky*	Dail A. Wilson
Robb Reavill	Paul Segall*	John M. Stewart	Gerard L. Valenti*	James T. Wilson*
Bruce E. Reiter*	James A. Seglund	Leonard T. Stitt*	Samuel L. Van Landingham	Joseph R. Wilson*
Joseph M. Renier*	A.M.C. Sengor*	Gregory M. Stott*	Nancy D. Vaughan	Mark A. Wilson*
Stephen J. Reynolds*	George T. Server, Jr.	Michael O. Street	Harold R. Vincent	Michael Lee Wilson*
Louis E. Rieg*	Richard S. Seymour*	Michael J. Styzen	Peggy M. Visher*	Laramie M. Winczewski*
G. Todd Ririe*	James R. Shannon	Mary Jo Sweeney	Jerome P. Vitarelli	Lucinda J. Withers
Terence L. Roberts	Ehsan A. Shareghi	Regina A. Swingen*	Kenneth B. Wall	Nicholas B. Woodward*
James H. Robinson	John Sharry*	Bradford D. Tanner	Wesley K. Wallace	Sarah D. Wright
Robert J. Rogers	Vijai Shukla	Kenneth B. Taylor*	Mary-Camilla Wallis	Harold L. Yarger
Stephen M. Rogers	William C. Sidle	Heidi M. Temko	Rosemary K. Walsh	Eugene A. Yates*
Bonnie J. Rohr*	Philip White Signor III*	Berry H. Tew, Jr.	Anthony C. Ward	Pinar O. Yilmaz*
Joseph G. Rosenbaum	Elisabeth L. Sikes	David Paul Thetford*	Douglas S. Washburn*	Stephen R. Young*
Everett Rutherford*	Carol Simpson	Jed Thomas*	Christopher P. Washko*	Victor A. Zullo
Paul L. Saffo	Doris Sloan*	John W. Thompson III	E. Paul Waterstraat*	
Timothy J. Sainey	Dale A. Smith	Kenneth C. Thomson		
Marc R. St. Onge*	David P. Smith III	Ronald F. Thoreson		
Luis A. Sanchez-Barreda*	David S. Smith			
	James Johnson Smith*			
	Lawson M. Smith			
	Peggy L. Smith*			

NEW STUDENT ASSOCIATES

Listed are 509 Student Associates who became affiliated with the Society during the period from September 1, 1981 through February 28, 1982.

Mark S. Abashian	Margaret Andronaco	Bernice P. Becker	Paul J. Boison	Karin E. Budding
Cole D. Abel	Michelle P. Aparisi	David J. Becker	Greta S. Borengasser	Sarah L. Burnham
David Acheson III	Jonathan D. Arthur	Mark A. Beeunas	Marion E. Boudreau	Alan J. Busacca
Karl J. Adamowicz	John W. Attig	Joy A. Beier	Paul D. Bouey	J. Suzanne Bywaters
Abdulkader M. Afifi	Doris M. Bajak	Thomas A. Berkman	John L. Bowers	Steven K. Campbell
Tim J. Agnello	David L. Baker	Thomas R. Bessler	Samuel A. Bowring	Raul Campos-Marquetti, Jr.
Jon P. Ake	Marc V. Bardoux	Lucinda A. Bidleman	Sandra S. Brake	James A. Capasso
Jomaah A. Alawi	Peter E. Barkmann	Beverly C. Bilhorn	William A. Braun	Robert J. Cardinale
Patricia A. Alderman	Dora B. Barlaz	Carolyn W. Bishop	Neil R. Braunsdorf	Daniel L. Carlson
Elaine A. Aliberti	William S. Bartels	Paul E. Blanchard	Valerie J. Broedel	Kerry D. Cato
David T. Allison	Diane A. Bartlett	John B. Bobbitt	Debra A. Brooks	Michael J. Cheadle
Mark R. Alvis	Gregory W. Bartow	Lorene D. Boeckler	Thomas W. Brown	
Barbara A. Amende	Sarah L. Baum	Kathryn A. Boerner	Vern W. Brown	
Marilyn C. Anderson		Diedra Bohn	Suzanne E. Bryant	

(con't next page)

New Student Associates (con't)

Yen-Nien Joe Cheng
Eric M. Cherry
William D. Christiansen
Jeffrey C. Clark
Amy E. Clifton
Michael O. Cook
Cricket Corwin
Gary V. Costanzo
Mark P. Cotter
Edward A. Council III
Jack H. Cowart
Robert J. Creed
Robert E. Crippen
Nanolivia Crowley
Kenneth M. Cruikshank
Debra A. Currier
Jodi L. Cutler
Bruce L. Cutright

Thomas V. Dagenhart, Jr.
Anthony J. Dalpiaz
Dana M. D'Aria
Jon M. Davis, Jr.
Stephanie O. Davis
Althea DeBellis
John B. DeHaas
Lisa N. Dell Angelo
Denise A. Dellinger
Kevin J. DeMauret
Peter B. DeMenocal
Deana M. Demichelis
Vanessa J. DeVillez
Kathryn A. Dexheimer
Douglas B. Dickey
Tammy L. Dickinson
John A. Diemer
John H. Dooley
Thomas C. Dougless
David E. Draney
Kathleen C. Duchac
William F. Dula, Jr.
Glen A. Duncan
Ron C. Duncan

Mary C. Eberle
Cynthia A. Ebert
Carol A. Eddy
Steven H. Edelman
William D. Edelman
E. George Ehlers, Jr.
Kenneth D. Ehman
Nicholas S. Eitel
Elaine Ellingham
Barbara J. Ellis
Kenneth R. Engh
Thomas G. Ernst
Robert N. Estes
James P. Evans
Nick H. Evans
Carol A. Evenchick
Sharon L. P. Everett

Stephen M. Farley
Harlow G. Farmer III
Joe C. Faulkerson
Howard Randall Feldman
Justo A. Fernandez
Charles C. Ferrall, Jr.
Larry J. Finney
Anne M. Fischer
Pamela P. Fisco
David T. Flaherty
Robert W. Foote
Joseph S. Ford
Robert W. Ford
Steven L. Forman

Tonya M. Fortuna
John H. Fournelle
Luis A. Fraticelli
Terrence J. Frest
Benjamin Frisch
Wayne A. Fuller
David A. Fulton

John D. Gallinatti
Michael Duane Gardner
Larry Garmezy
Mary L. Garner
John W. Garrison
Milton J. Garrison
Grant Garven
Arnold J. Gehring
Michael J. Gerdenich
Kenneth E. German
Jeffrey E. Gerwe
Janet A. Gibson
Richard G. Gibson
Raymond F. Gildner
Peter A. Gintautas
Robert K. Given
William T. Goerold
Rex R. Goodrich
Elizabeth A. Gordon
Anne M. Graese
Carla N. Granquist
David F. Green
Stephen M. Greenlee
F. Bryan Grigsby
Timothy W. Grover
Anne M. Grunow
Jeffrey J. Gruskiewicz
Ann I. Guhman

Janet A. Haggerty
Kenneth A. Hagler
Cheryl R. Hagmann
Steve Hambos
Dixie A. Hambrick
Bruce Handley
Kathy J. Hanger
Robert A. Hank
Janette E. Hansen
David J. Harding
James J. Hardy, Jr.
Stephen S. Harlan
Jon J. Harper
Allan E. Harpold III
James A. Harris, Jr.
Polly S. Harris
Ronald A. Harris
Jeffrey A. Hassen
David Morris Hatfield, Jr.
Sarah B. Haynes
Steven Heady
David L. Heck
Bruce A. Heise
Jean M. Hemzacek
David W. Henderson
Stephen R. Henshaw
John P. Herrlin, Jr.
Charles J. Herron III
Zoltan Hershkowitz
Deborah A. Heston
Laurie A. Hietpas
Catherine M. Hillegass
Janet L. Hirsch
Brenda L. Hockensmith
Thomas D. Hoisch
John C. Holladay
Vance T. Holliday
Jeff S. Hooker
Robin S. Houpt

Craig S. Huber
Gloria G. Hunsberger
Lynn S. Hurley
William C. Hutchings
Joan G. Hutton
Diane B. Hyatt

Ken M. Ichikawa
Kerry F. Inman
Daniel R. Isaacs

Jennifer B. Janson
Jeffrey C. Jaquess
Angela S. Jayko
John W. Jengo
Scott Jennings
Mark E. Jensen
Roy E. Jensen
Paul W. Jewell
Barbara E. John
Carolyn E. Johnson
Laura L. Johnson
Theodore D. Johnson
Sara M. Johnston

Anna Kantza
Kim A. Kariya
Joyce A. Kelley
Katherine J. Kendrick
Katherine A. Kilduff
Stephen M. Kilsdonk
Brian C. King
Gail L. Kirchner
Scharine M. Kirchoff
Christopher J. Kittredge
Richard C. Klinck
Margaret A. Klute
Jane G. Koch
Wendell A. Koontz
Linda S. Kost
Judith A. Kostenbauder
Dimitris Kostopoulos
Susan M. Krage
Matthew J. Kramer
William H. Kramer III
Karl Kretschmar
Fred A. Kruse
John M. Kundtz
David P. Kyllonen

Beth M. Lamb
Ellen E. Lambert
Jacqueline L. Lambrichts
Sara F. Langer
Stephen E. Laubach
Joseph R. Lawson
Timothy F. Lawton
Brian D. Leavy
Mercedes B. Lee
Jeff M. Legato
Arthur A. Leman
Jack A. Leow
Nicholas S. Lesnikowski
Dana K. LeTourneau
Barbara M. Levinson
Laurence R. Lew
Scott W. Lewis
Nina C. Lian
Aaron R. Liesch
Bruce A. Lindsay
Steven R. Lipshie
Charles L. LoBue
Robert E. Loeb
Laurie K. Loftin
Keith R. Long
Dana P. Loomis

William Loskutoff
Michael J. Lowy
Karen Lund
Neil Lundberg
Susan M. Lundquist
John H. Lyle
John R. Lynch
Erik Lyngberg

Harmon D. Maher
Kevin A. Maher
Chris L. Maieli
Jon S. Major
Carrie Manfrino
Margaret T. Mangan
Phillip H. Manger
Richard Manser
Barry I. Marcus
Sheila J. Marks
Samuel A. Marquis, Jr.
Stephen J. Martel
Elizabeth H. Martin
Linda M. Martin
Robert G. Marvinney
Larry G. Mastin
Ronald K. Matheney
Pamela A. Matlack-McCoy
Peter K. Matthews
Suzette K. May
Jill McCarthy

William L. McDermott, Jr.
William F. McDonough
Robin J. McDowell
Robert K. McLeod
Donald A. Medwedeff
James K. Meen
Julie S. Menack
Carlene Mery
Karl A. Mertz, Jr.
Ellen P. Metzger
Bill Millard
Martin G. Miller
Samuel F. Millis
Heidi-Lynn Mitchell
Richard L. Molini
Susan A. Monsen
Noreen T. Mooney
Willard B. Moore
Claudia I. Mora
Erol D. Morey
Charles B. Morgan III
Michael Morin
Jean Morrison
Janet L. Morton
Daniel H. Mueggenborg
David W. Mundhenk
Brendan E. Murphy
Christopher J. Murray

Marlon A. Nance
Christina A. Neal
William E. Nellist
Robert Henshaw Nelson
Barbara B. Nevins
Lucy J. Nicaastro
Robert B. Noble
Jay S. Noller
Muriel P. Norton
Keith B. Noyes
Robert L. Nusbaum
Vincent L. Nykiel
James R. Ohlman
Linda K. O'Laughlin
Kathleen Older
Kenneth D. Olson

Christine C. Onasch
Kurt P. Oschman
Dennis R. Owen

Amanda A. Palmer
Susan K. Panttaja
Julie M. Paque
John M. Parker
Mark S. Patalive
Bharat A. Patel
Brian E. Patrick
Timothy J. Perry
Todd A. Petersen
John D. Petrie
Dennis F. Petrocelli
Charles R. Philbrick, Jr.
Sandra Phillips
Mark G. Picha
John D. Pickle
David J. Pietenpol
David A. Plummer
Kevin O. Pope
Lee S. Potter
Michael H. Pottinger
Anthony R. Prave
James P. Prieur
Laurel R. Pringle
Libby M. Prueher
Douglas G. Pyle

Christopher P. Quinn

Loren B. Railsback
Kelvin W. Ramsey
A. Henry Randall III
Kim A. Randall
Alison E. Rautman
Shirley A. Rawson
Thomas C. Ray
June M. Rees
Margaret N. Rees
David M. Rempel
Dana L. Richardson
Kenneth D. Ridgway
James G. Rigby
Nancy Riggs
David E. Risley
Amy T. Robbins
Ann S. Robbins
Debra Lorene Robinson
J. Anthony Ross
Mark S. Roth
Russell D. Roundtree
Elizabeth A. Rowan
Stephen D. Roy
Margaret E. Rusmore
Carolyn Rutland
Paul T. Ryberg

Steven H. Schaps
John T. Schaub
Kathryn A. Schiel
Kris L. Schindler
John P. Schmal
Kenneth A. Schneider
Amy E. Schoner
Peter J. Schubert
Patricia A. Schultejaann
Michael F. Schwab
William T. Schwessinger
Earl H. Scott
Patricia O. Seaward
Jeremy R. Setter
Michael John Seubert
Christopher J. Sexton
J. Elizabeth Sheriff

Albert W. Shultz
 Gary B. Sidder
 Craig J. Smith
 Richard D. Smith
 Robert Dean Smith
 Georgia R. Snyder
 Constance M. Soja
 Patrick W. Soja
 Janet M. Sowers
 Dann J. Spariosu
 Raymond C. Spiller
 George E. Springston
 James P. Starr
 Holly J. Stein
 Greg A. Stenback
 Hannah H. Strasser
 Robert C. Strauss
 Jay A. Stravers

Andrew H. Stults
 Mark A. Sturnick
 Ruth Ellen Suber
 Vatche P. Tchakerian
 Timothy C. Tharp
 E. Eilene Theilig
 Joanne L. Thigpen
 John Calvin Thomas
 Todd A. Thompson
 Conde R. Thorn
 Janet Bauder Thornburg
 Gordon A. Thrupp
 Kenneth W. Tindall
 Charles H. Tronoff
 Carolyn A. Tucker
 Tad M. Tucker
 Terry R. Twyman

Karla L. Urbanowicz
 Stephen F. Urschel
 Myra K. Vaag
 Bernarous A. Vanderpluijm
 Diana J. Vandervoort
 George Vassilev
 Leonard K. Vaughn
 Richard F. Venters
 Ed P. Vicenzi
 Karen L. Vogel
 Glenn Von Gonten
 Douglas B. Von Tish
 Lisa A. Wainio
 James D. Walker
 Monte E. Walker

Brooks H. Wallin
 Michael J. Walsh
 Lynn M. Walter
 Timothy G. Walter
 David B. Ward
 Donald J. Wason
 Janusz J. Wasowski
 Bruce S. Wedgeworth
 Frederick L. Wehr II
 Kevin J. Wrele
 Charlotte W. West
 William W. Whitlock
 Mark G. Whitten
 Jerry I. Wilkins
 John A. Williams, Jr.
 Grant C. Willis

Michael B. Winter
 Michael A. Wise
 Nanci E. Witbeck
 Stephen R. Wixon
 Patricia F. Wonderley
 Robyn Wright
 Susan Wygant Young
 Danny Zampirro
 Robert W. Zei
 Brian R. Zelenka
 John Clayton Zim, Jr.
 David W. Zimmerman
 Mindy S. Zimmerman

1982 ANNUAL MEETING
New Orleans
 OCTOBER 18-21

THE DECADE OF NORTH AMERICAN GEOLOGY
 PRESENTS

DNAG SPECIAL PUBLICATION 1



Perspectives in
 Regional Geological Synthesis:
 Planning for
The Geology of North America
 Edited by A. R. Palmer

A valuable set of preview statements and/or annotated outlines describing the organization of geological information for the 20 volumes of regional geology in *The Geology of North America* to be published by DNAG.

DNAG Special Publication 1, iv + 176 pages, 8½ × 11", 1982, bound in leatherette cover, CIP, ISBN 0-8137-5201-9. Priced for ALL geologists \$7.50*

*special low price made possible by a grant from the GSA Foundation.

To order, mail check or money order in U.S. funds for full amount or include MasterCard or VISA account number, expiration date, and your signature. GSA Member discount allowed. Colo. residents add sales tax.

Order from: Publications Sales
 Geological Society of America
 P.O. Box 9140
 Boulder, CO 80301

GSA/DNAG products still to come:

The Geology of North America—Continent/Ocean Transects
 The Geological Map of North America—Centennial Field Guides

Are you qualified by education, professional experience, and standing among your peers?

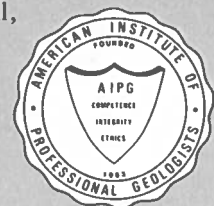
Why Not
 Join AIPG?

The Institute welcomes the membership application of those who may meet its high standards for acceptance as Certified Professional Geological Scientists.

AIPG services to its members, and to the public, include: certification, education, information, and representation.

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

American Institute of
 Professional Geologists
 P.O. Box 957
 Golden, Colorado 80402
 (303) 431-0831



Paleontology in China 1979

Edited by Curt Teichert, Liu Lu, and Chen Pei-ji

Scientific work all over China had been severely disrupted from 1966 to 1976, but following 1976 a tremendous surge of scientific activities was triggered. One of these activities was the meeting of the Palaeontological Society of China held in Suzhou, April 16 to 22, 1979. More than 250 papers covering most aspects of paleontology were presented, and this new GSA Special Paper contains 24 of the papers presented at that meeting.

Partial list of contents:

- Invertebrate paleontology in China, 1949-1979, by Yin Zan-xun.
 - Thirty years of micropaleontological research in China by Lu Yan-hao, Yu Chang-min, and Chen Pei-ji.
 - Vertebrate paleontology in China, 1949-1979, by Hao Yi-chun.
 - Thirty years of paleobotany in China, 1949-1979, by Zhou Ming-zhen.
 - On the genus *Paleofusulina* by Rui Lin and Sheng Jin-zhang.
 - Lower Cambrian archaeocyathid assemblages of central and southwestern China by Yuan Ke-xing and Zhang Sen-gui.
 - Silurian rugose coral assemblages and paleobiogeography of China by Wang Hon-zhen and Ho Xin-yi.
- Perfect bound, viii + 264 pages, 8½ x 11, more than 50 illustrations and plates, CIP, ISBN 0-8137-2187-3 \$44.00

Order from:
GSA Publication Sales, P.O. Box 9140, Boulder, CO 80301

Qty		Price each	Total
	Paleontology in China, 1979 SP-187	\$44.00	

Sales tax* _____
Total _____

check money order in U.S. funds enclosed for total amount. Charge my MasterCard VISA.

Card No. _____ Expiration _____

Signature _____



Name _____

GSA Member No.** _____

Address _____

City _____

State/Province _____ Zip _____

*Metro Denver 3½%, Boulder 5½%, other Colorado 3%
**GSA Member discount allowed.

INSIDE ---

1982 Annual Meeting Information	121
1983 Abstract Forms—Special Notice	120
News from GSA Divisions	116
Report from the Abstracts Coordinator	123



**THE
GEOLOGICAL SOCIETY
OF AMERICA**
P.O. Box 9140 • 3300 Penrose Place
Boulder, Colorado 80301

SECOND CLASS
Postage Paid
at Boulder, Colorado
and at additional mailing office