Council meets to set 1988 dues and initiate new member benefit

Dues increases were the focus of much debate at the second meeting of the 1987 Council, held May 17 at the Business Office. Acknowledging that the Society's operating expenses have exceeded the income from the present dues structure, the Council increased dues for 1988. After much discussion, it was decided that the dues increases were to be kept to a minimum with any deficit funded through the General Operating Fund.

Student dues continue to equal the "per copy" cost of The American Mineralogist, including postage. Member/fellow dues pay for the "per copy" cost of the journal, the newsletter, and activities associated with the annual meeting.

Student dues will increase to $20 and member/fellow dues to $40 in 1988. Associated life members who wish to receive the journal will pay dues of $20 in 1988; spouse member dues will increase to $15. Life members and associated life members who do not wish to receive the journal do not pay dues.

The associated life member category was established in 1985 for individuals who have reached the age of 65, are retired from active professional employment, and have paid annual dues for 30 years or more. Associated life members have the option of paying dues equivalent to the student dues rate and receiving the journal, or paying no dues and receiving all other member benefits. The life member category is now reserved for individuals who receive the Roebling medal or the MSA Award, or who pay a lump-sum amount equivalent to 25 times the annual dues rate.

The institutional subscription rate for The American Mineralogist will increase to $140 in 1988, a $10 increase over 1987. Institutions who subscribe to the journal also receive any new volumes of the Reviews in Mineralogy series published during the year of the subscription. At $140, the journal continues to provide excellent value.

In other action, the Council reviewed the journal's page charge policy. Due to a lack of funding, many individuals have commented on their inability to pay page charges. Non-U.S. members, in particular, have had a difficult time finding money for page charges.

In view of this, the Council made several changes to the current policy.

Individuals will have two options. 1. Authors may pay full page charges of $50 per page and receive 100 reprints. Individuals who pay full page charges may also purchase additional sets of 100 reprints and covers for the reprints. 2. Authors may purchase a quantity of reprints. The minimum order is 20 reprints, with increments increasing by 10 to a maximum of 100 reprints. This option was added to allow individuals to purchase the number of reprints they need, and also to help non-U.S. individuals who have funds for reprints, but not page charges.

The final change provides for 10 reprints of the article to be mailed to first authors who are MSA members and who do not have monies to pay page charges or to purchase the minimum quantity of reprints. The free reprints will only be mailed to first authors who are MSA members and only if none of the authors of the paper have no funding available to them.

The report of the Committee on Committees, prepared by Vice-President David B. Stewart, was approved. This year, many new individuals have been asked to serve on the Society's committees. Secretary Henry O. A. Meyer is in the process of contacting each individual. This is the second year that committees for the next Council (1988) have been formed the preceding summer. It is hoped that by notifying individuals early, the committees will be in place when the new Council assumes its duties.

A call for volunteers for 1989 will be published in the November and February issues of this newsletter. Interested individuals are encouraged to send their name to the Business Office or the Vice-President of the Society.

Members respond to questionnaire; Analysis underway

Approximately one-third of the questionnaires mailed to MSA members had been returned to the Business Office by July 15. This is a very large and helpful response, and a hearty "Thank you!" to everyone who took the time to reply. Nearly 400 members also wrote out suggestions and comments, which will provide the Council, the editors, the Business Office, and various committees with many useful suggestions and much insight. It is not too late to respond if you have not done so already.

Analysis of the more than 730 responses to the questionnaire is underway for consideration by the Futures Committee. This committee is charged with recommending priorities and new activities for the Society to the Council.

Responses to the question regarding federal funding of research are being analyzed by President Paul Ribbe and will be reported in his presidential address, Tuesday, October 27, prior to MSA's Annual Meeting.

Preliminary analysis indicates that the professional affiliations and age distribution of the respondents fairly represents the membership of the Society as a whole, according to Business Office records. Professional academics made up 53% of the respondents, professionals working for government organizations 14%, professionals in industry 13%, students 11%, retirees 6%, and unemployed 1%. By age, 14% were 30 or younger, 36% were 31-40, 20% were 41-50, 15% were 51-60, 9% were 61-70, and 5% were over 70. The American Mineralogist was viewed as the primary membership benefit by a wide margin. Additional results of the questionnaire will be printed in The Lattice when analysis is complete.
An introduction

Earth sciences seek greater representation, funding through BES and NSF

Articles in previous issues of this newsletter have summarized various activities of the Board of Earth Sciences (BES) ("From the President," May, 1988) and the National Science Foundation (NSF) ("NSF program provides funds for instrumentation," February, 1987). Because of the growing concern over the representation of the earth sciences in the political arena and the disappearance of funding at the individual level, MSA will attempt to keep its members informed of the results of BES reports and NSF funding in its Division of Earth Sciences.

Below is a description of the BES's purpose, current committees, and recent accomplishments. A summary of the NSF 1988 budget request is also published below.

MSA President Paul H. Ribbe will explore in greater detail the state of NSF funding and the health of the earth sciences as a whole during his presidential address at the MSA/GSA Annual Meeting, Tuesday, October 27 at 10:30 a.m. Entitled, "Mammon and Prestige in Mineralogy and Petrology," the address will focus on areas of specific concern to MSA members. A summary of President Ribbe's address will be published in the November issue of this newsletter.

Board of Earth Sciences

The fundamental mission of the Board on Earth Sciences of the Commission on Physical Sciences, Mathematics, and Resources is: 1) to provide oversight of the solid-earth science activities within the National Research Council; 2) to provide a review of research and public activities in the solid-earth sciences; 3) to assess the health of the disciplines, and 4) to identify research opportunities.

This group is taking a leading role in helping to establish scientific policy bearing on larger earth science programs in and on behalf of the United States. A major charge of the Board and its committees is to assess and recommend basic research and its applications to meet national and societal needs.

The committees of the Board are: Committee on Seismology (COS), Committee on Geological Mapping (CGM), Committee Advisory to the U.S. Geological Survey (CAUSGS), Committee on Global and International Geology (CGIG), Committee on Geodesy (COG), Continental Scientific Drilling Committee (CSDC), Steering Committee for a Workshop on Physics and Chemistry of Earth Materials (PACEM), U. S. Geodynamics Committee (USGC), and six national committees (USNC) that adhere to affiliated bodies of the International Council of Scientific Unions (ICSU).

The USNCs arrange for appropriate U.S. participation in international congresses and conferences by conducting travel grant programs to enable our best scientists to attend. The committees also interact with the international organizations and the organizing committees to help select and conduct symposia and exhibits, as well as commissions and working groups.

The BES is planning a comprehensive study of the earth sciences to evaluate the outlook for the next decade. During the coming year, it plans to complete studies on seismic hazard analysis, paleontological collecting, global and international geology, physics and chemistry of earth materials, and four reports on continental drilling. BES committees will be active participants in the various international meetings in the coming years, including the 28th International Geological Congress (IGC) in Washington, D.C., July 9-19, 1989.

National Science Foundation

The President's FY 1988 Budget Request calls for an increase of nearly 17 percent in the NSF budget as a first step toward the goal of doubling that budget by 1992. This emphasis on basic research in the nation's universities and colleges is a key element in the Administration's plan to maintain and enhance the nation's economic competitiveness and technological leadership.

Included in this request is $63,350,000 for the Division of Earth Sciences—an increase of $13,490,000 (27.1%) over the Division's budget for FY 1987. This sum includes increases in support for individual research projects as well as continued growth of the Continental Lithosphere Program, new laboratory and field instrumentation, and new efforts relating to the Foundation's Global Geosciences initiative.

The Global Geosciences initiative involves the entire Directorate for Geosciences (Atmospheric, Earth, and Ocean Sciences plus Polar Programs) as well as the Division of Biotic Systems and Resources. This multidisciplinary initiative is focused on the study of the earth as a global system and is designed to complement and enhance national and international research efforts on this theme. Earth Sciences programs expect to spend a total of about $5.5 million on this initiative in FY 1988.

Requested increases for Earth Sciences Project Support would partially relieve intense pressures resulting from FY 1986 Gramm-Rudman cuts and FY 1987 appropriations actions. Funding for Instrumentation and Facilities, also impacted in 1986 and 1987, would increase by nearly 20 percent.

From the President

Playing Hardball

Dear MSA members:

On May 17th the Council of MSA met in cramped session in the Business Office on I Street in Washington, D.C. Those present dealt amiably with routine business matters and rather more impetuously with a new budget format. The Society as a whole emerged unscathed. In fact, the members got a break! Dues will increase in 1988, but only by half the amount originally announced—from $35 to $40, rather than $35 to $45. The American Mineralogist will soon be the "best" mineralogical journal on the market, according to my projections of data from the Science Citation Index. The little "filler" that appeared on page 4 of the May issue of The Lattice, which said that in 1984 we were ranked second only to Contributions to Mineralogy and Petrology, caused a certain editor thereof to gloat. But his joy will be short lived. He hadn't heard that the Council is playing hardball, having instituted a policy of limited free reprints to first authors who are MSA members, provided there is no funding to pay page charges or to purchase quantities of reprints. He also hadn't learned about the flashy new cover that will adorn our journal come January 1988. Details will be announced on October 27th in Phoenix.

The study for my presidential address of funding and publishing in mineralogy, petrology, crystallography, and geochemistry is turning up some interesting and troubling facts... and numerous anecdotes. I'm eager to hear from still more of you with comments as well as questions on these subjects.

Looking forward to seeing you at GSA in Phoenix—if my abstract gets accepted!

Sincerely,

Paul H. Ribbe
President

2/The Lattice

August, 1987
Did you know ...

The report on the Workshop on the Physics and Chemistry of Earth Materials, referred to in the President’s Letter in the May issue of this newsletter is available from Tom Usselman at the National Academy of Sciences at (202) 334-3349.

... November 1 is the deadline for receipt of nominations for the 1988 American Mineralogist Undergraduate Award. Students nominated for this award receive a complimentary student membership in MSA, a certificate, and a subscription to The American Mineralogist for 1988.

To be eligible to nominate a student, a department must offer at least one course in mineralogy, petrology, or crystallography and have a permanent (or tenure-track) faculty member who is a member or fellow of MSA. The certificate must be presented during a departmental or university award program. Each department may nominate one student per year.

To nominate an outstanding undergraduate student, send a letter on department letterhead to the MSA Business Office. In the letter, provide the student’s full name (for the certificate) and departmental address, year in school, interest area, the name of the MSA sponsor, and the date and a brief description of the award ceremony at which the certificate will be awarded.

Nomination letters must be received by November 1.

... Volume 17 of the Reviews in Mineralogy series, Thermodynamic Modelling of Geological Materials: Minerals, Fluids, Melts, will be available at the MSA booth during the MSA/GSA Annual Meeting October 25-29 in Phoenix, Arizona.

... Renewal notices will be mailed to all members in late October. 1988 dues for student members will be $20; for members and fellows, $40. Once again, members will be able to order books from the Reviews in Mineralogy series at a 30 percent discount on the renewal notice. This year members will also be asked to complete and correct information for the new Membership Directory to be published in May, 1988. If you do not receive your renewal notice by November 15, please contact the Business Office.

... MSA has entered into an agreement with the Geological Society of Washington (GSW) to keep the GSW membership records. Under the agreement, the MSA Business Office will receive renewal notices and update the GSW membership records. In addition, the Business Office will mail GSW’s bi-weekly meeting announcements beginning in October.

Society News

The new edition of the GeoRef Serials List and KWOC (Key Words Out of Context) Index, produced by the American Geological Institute (AGI), is now available. The new edition includes more than 10,000 earth-science serials that have been cited in the GeoRef database since 1967. The Serials List is arranged alphabetically by title and provides the complete title, abbreviated title, CODEN or ISSN (or both), and country of publication for each entry. The KWOC Index enables a user to identify a serial quickly by a significant word in the title. The publication is available in hard copy and microfiche from the Customer Service Department, AGI, 4220 King Street, Alexandria, VA 22302; (703) 379-2480 or (800) 336-4764. The paper copy ($95) consists of 2,089 unbound, preprinted, 8-1/2 x 11” pages. A set of microfiche ($35) includes 43 fiche (24x reduction).

The Materials Research Society (MRS) has published the proceedings of the MRS Symposium on Fly Ash and Coal Conversion By-products: Characterization, Utilization and Disposal III, held December 1-3, 1986 as part of the Fall MRS Meeting in Boston, MA. Six additional papers in this volume were presented in a joint session with an MRS Symposium on Microstructure Development During Hydration of Cement. These papers focus on the physical processes of cement and concrete materials incorporating coal ash.

The volume contains 32 peer-reviewed research papers and three summaries covering environmental considerations, characterization, and utilization of fly ash and coal conversion by-products. A section is also devoted to reactions, microstructure and modelling. Edited by Gregory J. McCarthy, Fredrik P. Glasser, Della M. Roy, and Sidney Diamond, the hardbound publication is 399 pages and includes a glossary of terms, and subject and author indexes. The price is $37 for MRS members, $42 in the U.S., and $47 outside the U.S. Order from the Publications Department, MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; (412) 367-3012.

Members in the news

Congratulations to ... William Parrish, IBM Corporation, Research Division, San Jose, California, has been selected to receive the J. D. Hanawalt Award for excellence in the field of Powder Diffraction. The award is sponsored by the International Centre for Diffraction Data and will be presented at the XIV General Assembly and International Congress of Crystallography this month. Dr. Parrish is a Life Fellow of MSA. .... Kalervo Rankama, Professor Emeritus of Mineral Chemistry at the University of Helsinki, has been elected an Honorary Member of the Geological Society of Finland. Dr. Rankama is a Life Fellow of MSA.
1987 Fall Short Course

Registration space filling fast for Thermodynamic Modelling short course

Individuals interested in attending the Fall Short Course: Thermodynamic Modelling of Geological Materials: Minerals, Fluids, Melts, are encouraged to register immediately. Registration is limited to 100 individuals on a first-come, first-serve basis and space is filling fast.

The meeting will begin with a welcoming reception Thursday evening, October 22 and continue through Sunday afternoon, October 25. Transportation will be provided from the Phoenix airport at approximately 3:30 p.m. and 7:30 p.m. on Thursday. Buses will leave at approximately 3:00 p.m. Sunday afternoon and return participants to the main GSA hotels in Phoenix. In addition, registration fees include Volume 17 of the Reviews in Mineralogy series, lodging Thursday, Friday, and Saturday nights; breakfast and lunch Friday, Saturday, and Sunday; the welcoming reception and light buffet dinner Thursday evening, and dinner on Friday and Saturday evening.

It is hoped that the course will provide a useful supplement to existing thermodynamics courses. It is assumed that participants are familiar with elementary geological thermodynamics.

The Wickenburg Inn, located approximately 70 miles northwest of Phoenix on Interstate 89, has been reserved for the sole use of meeting participants. To keep costs as low as possible, participants are offered a choice of registration fees depending on the lodging accommodations. Most sleeping rooms have patios and are situated in small cabins with the exception of a few rooms in the lodge. At this time, there are no single accommodations available and registration is limited to meeting participants because of the limited number of sleeping rooms. All registrants will be provided lodging. Should additional accommodations become available once all individuals desiring to attend the meeting are housed, participants will be given the opportunity to reserve a single room at a higher registration fee.

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<th>Member</th>
<th>Non-Member</th>
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<tr>
<td>Student</td>
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<tr>
<td>in quad room (4 individuals)</td>
<td>$230</td>
<td>$250*</td>
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<tr>
<td>in triple room (3 individuals)</td>
<td>$250</td>
<td>$270*</td>
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<tr>
<td>Professional</td>
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<tr>
<td>in triple room (3 individuals)</td>
<td>$365</td>
<td>$410*</td>
</tr>
<tr>
<td>in double room (2 individuals)</td>
<td>$405</td>
<td>$450*</td>
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*Includes MSA membership for 1988.

As registrations will be accepted in the order they are received, individuals interested in the short course are encouraged to complete the registration form on the following page and return it as early as possible to the MSA Business Office, 1625 I Street N.W., Suite 414, Washington, D.C. 20006. Payment must accompany the registration form.

Spring 1988 Short Course

Spectroscopic methods topic for Spring

Spectroscopic Methods in Mineralogy and Geology is the topic of the 1988 Spring Short Course. Scheduled to begin with a welcoming party Thursday evening, May 12, and end the afternoon of Sunday, May 15, the course will run between the V. M. Goldschmidt Conference and the Spring Meeting of the American Geophysical Union. The tentative meeting site is the Embassy Suites Hotel located in the Hunt Valley area outside of Baltimore, Maryland. The hotel is across the street from the Marriott Hotel, which is the site of the Goldschmidt Conference, and convenient to the AGU meeting in downtown Baltimore.

Convened by Frank C. Hawthorne, The University of Manitoba, the short course will provide an introduction to the various elements of spectroscopy. Specific topics include: introductory quantum mechanics, symmetry and group theory, selection rules, the electromagnetic spectrum and ranges of the techniques, and timescales; spectrum fitting techniques, vibrational spectroscopy, ultraviolet spectroscopy in the OH-stretching region, Mossbauer spectroscopy, electronic absorption spectroscopy, NMR spectroscopy, ESR spectroscopy, XANES, EXAFS, etc. spectroscopy, Auger, XPS, and “future” spectroscopies.

Registration fees and a registration form will be included in the November issue of this newsletter. Mark your calendars now and plan to attend!

4/The Lattice
REGISTRATION FORM

Thermodynamic Modelling of Geological Materials: Minerals, Fluids, Melts
October 22-25, 1987

Return this registration form, completed, to the MSA Business Office, 1625 I Street N.W., Suite 414, Washington, D.C. 20006. Payment must accompany this form. Registration is limited to 100 individuals on a first-come, first-served basis.

Please type or print.

Name ________________________________ ________________________________ ________________________________

Address ________________________________________________________________

______________________________________________________________

(city) (state) (zip/postal code) (province) (country)

Telephone numbers ( ) ( )

(office) (home)

Please check appropriate registration category. Member Non-Member

Professional:
in triple room (3 individuals) $365 $410*
in double room (2 individuals) $405 $450*

Student:
in quad room (4 individuals) $230 $250*
in triple room (3 individuals) $250 $270*

*includes MSA dues for 1988. Total amount due: $____

Please check method of payment:

Enclosed is a check or money order in the amount of $____.

Please charge me ___ Visa ___ Mastercard ___ American Express credit card in the amount of $____. (Your credit card will be charged when the registration form is received. Should a refund be required, a credit will be applied to your charge card.)

(card number) (name on card—please print)

(exp. date) (signature)

Please check items as appropriate:

I wish to share accommodations with (your name must appear on the registration form of each individual listed below):
1. ________________________________

2. ________________________________

3. ________________________________

Please assign me to a room. I am a ___ smoker ___ non-smoker.

Please list any special requirements regarding lodging or meals. ________________________________

Please indicate your preference for the shuttle bus on Thursday, October 22.

3:30 p.m. 7:30 p.m. I do not plan to use the shuttle bus.

August, 1987
"Friends of Mineralogy"

The Ninth Friends of Mineralogy—Tucson Gem and Mineral Society Symposium will be held Friday, February 14, 1988 in conjunction with the Tucson Gem and Mineral Show. The topic of the symposium will be beryl, the featured mineral of the show. Papers concerning all aspects of descriptive mineralogy and paragenesis of beryl are invited.

Presentations will be 15 minutes in length and followed by a question-and-answer period. An audience of knowledgeable amateurs as well as professional geologists and mineralogists is expected.

All authors will be required to submit a 200 word abstract by 1 September 1987; the abstract should have a title, and the author's name and address. Upon acceptance of the paper the author will be required to submit an extended abstract of from 1000 to 2000 words in length plus figures. Extended abstracts will consist of camera-ready text and illustrations.

Papers by students are encouraged and will be considered for the "Best Student Paper" award from Friends of Mineralogy. The award is intended to cover all or part of the expenses incurred by the student while traveling to the symposium.


Chapman Conference on Perovskites

Perovskites—A Structure of Great Interest to Geophysics and Materials Science is the topic of the 1987 Chapman Conference, convened by Alexandra Navrotsky, Princeton University. This meeting will bring together in an informal setting the materials community (which may be unaware of the tons of silicate perovskite purported to exist a few hundred kilometers beneath their feet) and the geophysics community (which may be unaware of the elegant theoretical and experimental studies done on ceramic perovskites).

Discussion will include the fundamental physics and chemistry of the perovskite structure type. The goal is a review of current knowledge, both theoretical and experimental, in order to permit mineral physicists to use all available approaches to delineate and constrain the likely properties of MgSiO₃-rich perovskite at high pressure and temperature.

All types of perovskite-related materials ( titanates, zirconates, rare earth perovskites, silicates, and germanates) and halide perovskites will be included. Topics include energetics, structure, bonding, phase transitions, phase equilibria, electrical, optical and magnetic properties, elasticity, defects, dislocations, and reactivity.

The meeting, sponsored by the American Geophysical Union, will be held in Bisbee, Arizona, a small mining community offering a variety of historical and modern accommodations and a flavor of the Old West.


V. M. Goldschmidt Conference

The V. M. Goldschmidt Conference, sponsored by the Geochemical Society, will be held from Wednesday, May 11, to Friday, May 13, 1988. The three-day meeting will focus on the chemical aspects of the earth and planetary sciences. The meeting is co-sponsored by the European Association of Geochemistry, the International Association of Geochemistry and Cosmochemistry, MSA, and the Association of Exploration Geochemists. The Society of Environmental Geochemistry and Health is a participating society.

Technical sessions will consist of both oral and poster presentations. Planned symposia are: Eleventh Symposium of Geochemical Cycles; Paleocenography; The Archean Environment; Ore-forming Processes; Geochemistry with Cosmogenic Isotopes; Environmental Geochemistry; Organic Geochemistry in Hydrocarbon Exploration; Origin and Diagenesis of Humic Substances, Coal, and Kerogen; Modern Concepts in Crystal Chemistry; Mantle Petrology and Mineralogy; and Geochemistry of Platinum Group Metals.

The deadline for submitting symposium abstracts is November 20, 1987. The deadline for contributed abstracts to the general symposia is December 18, 1987. The first circular was mailed to all MSA members in June. Abstract forms will be mailed to those responding to the First Circular. Additional abstract forms and more information on field trips and the meeting in general can be obtained by writing: Goldschmidt Conference Coordinator, 410 Keller Building, The Pennsylvania State University, University Park, PA 16802. Or, you may contact the General Chairman Dr. H. L. Barnes at: 235 Deike Building, The Pennsylvania State University, University Park, PA 16802; (814) 865-7573.
# Meeting Calendar

### September

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<th>Date</th>
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<tr>
<td>7-9</td>
<td>Science of Ceramics 14: International conference organized by Institute of Ceramics. Topics include chemistry and phase relations, physical properties, reactivity. Details: Mrs. Buchanan, Shetlon House, Shetlon, Stok-e-on-Trent ST4 2DR, England.</td>
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<tr>
<td>10</td>
<td>6th Meeting of the European Clay Groups (Sevilla, Spain). Details: Prof. Emilio Galan, EUROCLAY’87, Diplo. de Geologia, Facultad de Quimica, Apartado 553, Universidad de Sevilla, 41071 Sevilla, Spain.</td>
</tr>
<tr>
<td>14-18</td>
<td>5th Meeting of Int. Working Group on Submicroscopy of Undisturbed Soil Materials. Details: Dr. W. J. McHardy, Macaulay Inst. for Soil Research, Craigiebuckler, Aberdeen AB9 2QJ, Scotland.</td>
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### October

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<tr>
<td>1</td>
<td>Abstract deadline for contributed papers to the symposia at the 1988 Spring Meeting of the Materials Research Society. Details: MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237.</td>
</tr>
<tr>
<td>5-7</td>
<td>International Symposium on Crystallization and Precipitation. Details: ISCAP ’87, P. O. Box 607, Saskatchewan, Canada S7K 3L6.</td>
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<tr>
<td>26-29</td>
<td>1987 MSA/GSA Annual Meeting, Phoenix, Arizona. See additional details, housing form, and registration form elsewhere in this newsletter.</td>
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<tr>
<td>30-Nov. 3</td>
<td>Chapman Conference on Perovskites: A Structure of Great Interest to Geophysics and Materials Science (Bisbee, Arizona). See details in Calendar section.</td>
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### November

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<th>Date</th>
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<tr>
<td>30-Dec. 5</td>
<td>Materials Research Society Fall Meeting. Details: MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; (412) 367-3003.</td>
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### December

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<th>Date</th>
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### 1988

- **February**

- **April**
  - 5-8: Materials Research Society Spring Meeting. Details: MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; (412) 367-3003.

- **May**
  - 11-13: The V. M. Goldschmidt Conference organized by the Geochemical Society; co-sponsored by MSA, Baltimore, Maryland. See additional details in Calendar section.

- **June**

- **October**

- **November**
  - 28-Dec. 3: Materials Research Society Fall Meeting. Details: MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237; (412) 367-3003.

- **1989**
  - **May**
    - MAC Short Course: Diagenesis; Montreal, Quebec, Canada. Details: MAC, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario, Canada M5S 2C6.

- **July**
  - 9-19: 28th International Geological Congress, Washington, D.C. Details: Dr. Bruce B. Hanshaw, Secretary General, P. O. Box 1001, Herndon, VA 22070-1001; (703) 648-6605.
Welcome!

The following new members and students have joined MSA effective January 1, 1987. Welcome! Applications for membership may be obtained from the Business Office, 1625 1 Street N.W., Suite 414, Washington, D.C. 20006. Memberships received from October 1 through December 31, 1987 will be made effective January 1, 1988 unless otherwise requested.

Alstott, David, P. O. Box 1246, Lafayette, IN 47902. O: (317) 448-4319. H: (317) 474-2365. (M-87)MSponsor: MSA.

Barth, W. H., Geology Department, University of Tasmania, GPO Box 2520, Hobart 7001, Australia. O: 002202490. H: 002238365. (M-87)MI Sponsor: MSA.

Belschner, Susan A., 4403 Grandview Avenue, Baltimore, MD 21211. O: (301) 467-7774. H: (301) 889-2972. (M-87)MI Sponsor: MSA.


Brenan, James, Department of Geology, West Hall RPI, Troy, NY 12180. O: (518) 266-6475. H: (518) 274-7400. (ST-87)IP Sponsor: F. Spear and D. R. Baker.


Chasumski, Punya, Department of Geology, Queen's University, Kingston, Ontario, Canada K7L 3N6. (ST-87)EG Sponsor: R. C. Peterson and C. D. Rodee.


Engi, Martin, Mineralogie, Univ Bern, Baltzerstrasse 1, CH-3012 Bern, Switzerland. O: 031658497. H: 031244804. (M-87)MP Sponsor: R. Oberhanzl and I. Mercalli.


Georgens, Robert, 4 Serven Road, Suffern, NY 10901. O: (914) 623-8088. H: (914) 354-3301. (M-87)SP Sponsor: MSA.


Gudmundsson, Gisli, Department of Geology, Arizona State University, Tempe, AZ 85287. O: (602) 965-6598. (ST-87)GE Sponsor: T. Stanton and J. R. Holloway.


His, L. Bruce, Department of Natural Sciences, Chapman College, Orange, CA 92666. O: (714) 997-6626. (M-87)MP Sponsor: MSA.

James, Richard S., Department of Geology, Laurentian University, Sudbury, Ontario, Canada P3E 2C6. O: (705) 675-1151 x2270. H: (705) 522-7749. (M-87)MI Sponsor: J. J. Fawcett.

Jiang, Wei-Teh, Department of Geological Sciences, University of Michigan, Ann Arbor, MI 48109. O: (313) 763-5134. (ST-87)MI Sponsor: D. R. Peacock and L. Donahue.

Jones, William B., Department of Geosciences, University of Houston, Houston, TX 77004. O: (713) 749-1763. H: (713) 784-3005. (ST-87)IP Sponsor: M. F. Carman, Jr. and D. Elthon.


Kroll, Herbert, Institut fuer Mineralogie, Correnstrasse 24, D-4400 Muenster, West Germany. O: 0251834355. (M-87)MI Sponsor: H. Pentinghaus and W. Hidtaksche.

Lutinski, Sandra M., 25 Woodbine Circle, Bridgeport, CT 06606. H: (203) 371-6191. (M-87)MI Sponsor: MSA.

Lutinski, Lawrence J., 25 Woodbine Circle, Bridgeport, CT 06606. H: (203) 371-6191. (SP-87)MI Sponsor: MSA.

Mader, Urs, Department of Geological Sciences, University of British Columbia, 6339 Stores Road, Vancouver, British Columbia, Canada V6T 2B4. O: (604) 228-2449. (ST-87)PE Sponsor: P. J. Michael and E. F. Meagher.

Maras, Adriana, Via C. Iacobini 185, 00139 Roma, Italy. O: 068919093. (M-87)MI Sponsor: A. Mottana and G. Graziani.


Rogers, Graeme, SUERC, East Kilbride G75 OQU, Scotland. O: 0355220222. (M-87)GE Sponsor: MSA.

Sedat, Bernd, Wasserstrasse 274, 4630 Bochum 1, Germany. (M-87)SP Sponsor: MSA.

Seitz, H.-Michael, Geology Department, University of Tasmania, GPO Box 252 C, Hobart, Tasmania 7001, Australia. (ST-87)MI Sponsor: T. Falcon and W. R. Taylor.

Shrestha, Purusotam L., New Mexico Tech., P. O. Box 3278, Campus Station, Socorro, NM 88081. O: (505) 835-1604. H: (505) 835-1604. (ST-87)MI Sponsor: MSA.

Smith, Jeffrey, 21 West Street, Apt. 5, Bristol, CT 06010. H: (203) 582-8531. (M-87)MI Sponsor: MSA.


In memoriam

We regret to announce the passing of the following MSA members and fellows. The Society extends its condolences to the families and friends of these scientists.

Anderson, A. Benton
Life Member, 1948
Burri, Conrad R.
Life Fellow, 1949

August, 1987
MSA Activities at GSA

MSA members are invited to participate in Society activities

Each year MSA and the other associated societies of the Geological Society of America (GSA) work together prior to the annual meeting to review and select abstracts, then schedule symposia and poster sessions. It is the combined efforts of these individuals that consistently produce a quality meeting. Special thanks this year to MSA representative Roger G. Burns, MIT, and conference Jo Laird, University of New Hampshire, and James J. Papike, South Dakota School of Mines and Technology.

In addition to selecting abstracts and scheduling technical sessions, the MSA representative coordinates with the Business Office to schedule the Society’s social activities. This cooperation, in conjunction with GSA staff, keeps Society activities from overlapping technical sessions and works to put these activities in conveniently located meeting rooms.

While this scheduling involves many individuals, its purpose is to benefit the members of MSA. To this end, you are encouraged to participate in the MSA sponsored activities and to express your suggestions and needs to the Business Office and GSA.

Third Meeting of the 1987 Council
Sunday, October 25
Hyatt Regency Hotel
Russell B
7:30 a.m.-5:00 p.m.

The 1987 Council will act on recommendations from the Nominating Committee for Officers, the Nominating Committee for Fellows, the Roebing Medal Committee, the MSA Award Committee, and the Research Grant (Crystallography) Committee at this its final meeting. The report of the Tellers Committee will also be certified. Council decisions will be announced at the Business Meeting on Tuesday, October 27.

Past Presidents’ Breakfast
Monday, October 26
Hyatt Regency
Remington A
7:30-9:00 a.m.

The Past Presidents of the Society will hold their annual breakfast to discuss the long-term goals and activities of the Society.

MSA Booth, #316-318
Monday, October 26 9:00 a.m.-6:30 p.m.
Tuesday, October 27 9:00 a.m.-5:00 p.m.
Wednesday, October 28 8:00 a.m.-4:00 p.m.
Phoenix Civic Plaza
Exhibit Halls D & E

Be sure you visit the MSA booth at the Geoscience Exhibit. The newest volume in the Reviews in Mineralogy series, Thermodynamic Modeling of Geological Materials: Minerals, Fluids, Melts, will be available, as will the other books in this series. For the first time, the booth will be expanded so there will be room for members to talk to colleagues, as well as Society officers and staff. Bring a friend who should be a member of the Society and we’ll help you sign him or her!

Presidential Address
Annual Business Meeting
Tuesday, October 27
Civic Plaza
Room: Yuma 21-22
10:30-11:45 a.m.

MSA President Paul H. Ribe will give his presidential address, "Mammon and Prestige in Mineralogy and Petrology," beginning at 10:30 a.m. The address will be followed by an open business meeting. MSA bylaws require that such a meeting be held annually whereby the membership is provided reports by the officers to familiarize themselves with Society activities. All members are encouraged to attend.

Continued on page 10.

The Lattice/9

August, 1987
MSA Activities

Continued from page 9.

Annual Awards Luncheon
Tuesday, October 27
Hyatt Regency
Regency Ballroom B
12:15-2:00 p.m.

G. V. Gibbs, recipient of the 1987 Roebling Medal, and Donald J. DePaolo, recipient of the MSA Award for 1987, will be honored at this annual luncheon. Following these presentations, 1987 President Paul H. Ribbe will pass the gavel to the 1988 President and a new Council will take office. The Annual Luncheon provides members with an opportunity to meet colleagues and to recognize outstanding contributors to the science.

MSA Reception
Tuesday, October 27
Hyatt Regency
Regency Ballroom B
5:30-7:30 p.m.

After the positive response to this new activity last year, an additional hour has been added and the room has not been scheduled for any other activities (!). All MSA members and scientists interested in mineralogy, petrology, and crystallography are invited to attend and enjoy a drink with colleagues.

First Meeting, 1988 Council
Tuesday, October 27
Hyatt Regency
Remington B
7:45-11:00 p.m.

Members of the 1988 Council will hold a dinner meeting to set goals and priorities for the coming year. This is the first opportunity for new Council members to learn about the ongoing activities of the Council.

GSA Registration

The following pages contain housing and registration information for the GSA/MSA Annual Meeting. Because of space limitations, the full circular has not been printed this year. Instead, the registration form and housing reservation form have been included with relevant information. For a complete circular, including information on field trips, GSA short courses, and other short courses, please contact the Geological Society of America, 3300 Penrose Place, Boulder, CO 80301; (303) 447-2020.

Geologists and their guests are warmly welcomed to the geologic wonderland of the Southern Cordillera. In this area are the Rocky Mountains, the Colorado Plateau, much of the Basin and Range province, the Cordilleras of Mexico, and the Rio Grande rift.

Geologists will be treated to an extensive array of field trips. They will be challenged by data from recent research that shows fresh insights and raises new questions. This promises to be one of the Society's largest and most interesting meetings.

Phoenix is a gateway to reach impressive natural wonders and unusual cultures that excel in their beauty, scale, and emotional impact. Arizona's boundaries encompass the Grand Canyon, Lake Powell, San Francisco Peaks, Sedona, Oak Creek Canyon, Monument Valley, and Canyon de Chelly. If at all possible, plan to extend your visit through a weekend during this exquisite time of year.
PREREGISTRATION FORM  
GSA Annual Meeting • October 26–29, 1987

Preregistration must be RECEIVED by September 25. Payment and form MUST accompany all preregistration requests. Unpaid purchase orders NOT accepted as valid registration. One form per registrant. Cancellation deadline: October 2. No refunds on cancellations received after this date.

Please print • Copy for your records

Name (Last)                                             (First)                                                
Institution / Employer                                     
Mailing Address                                               
City                                                  State ZIP code       
Country                                                 
Guest / Spouse Name (Last)                                
City                                                  State / Country     

Circle member affiliations:  
(1) GSA  (2) CF  (3) GS  (4) GIS  (5) MSA  (6) NAGT  (7) PS  (8) SEG

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|            | ABSTRACTS WITH PROGRAMS (reserved for on-site pickup)    |  (80) $19 |  1 | $19   |

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SUBTOTAL $  

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### Short Courses

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<td>7. Writing History of Geology: Workshop</td>
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<td>8. Paleoclimatology and Active Tectonics</td>
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TOTAL REMITTANCE (full payment must be enclosed) | $ |
REGISTRATION

PREREGISTRATION DEADLINE: MUST BE RECEIVED NO LATER THAN SEPTEMBER 25

1. There is a 17% savings in registration fees if you register before the preregistration deadline! Advance registration is suggested for many of the special activities because of participation limits. Use the preregistration form provided in this announcement.

2. Registration is required for all attendees. Badges will be required for ALL activities 10:00 a.m. Sunday through 5:00 p.m. Thursday. There will be a fee charged for all lost badges.

3. Registration discounts are given to GSA or Associated Society members. Associated Societies that qualify for this discount are indicated on the registration form. Please indicate your affiliation(s) and member number, and register using the member rates.

4. Full payment MUST accompany registration. Unpaid purchase orders are not accepted as valid registration. Charge cards are accepted as indicated on preregistration form. If using a charge card, please recheck the card number given—errors will delay your registration.

5. Register one professional or student per form. Copy the form for your records. One-day registrants MUST indicate the day they plan to attend on the registration form.

6. Guest registration is required for guests attending guest activities, special events, and luncheons. The registration fee does not include admission to the technical sessions. Guest registrants MUST be accompanied by either a professional or student registrant.

7. CURRENT student ID is required to obtain student rates at both the on-site and preregistration counters.

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REGISTRATION FEES

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*Registration fees received before September 25.

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ON-SITE REGISTRATION SCHEDULE

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CANCELLATIONS AND REFUNDS

GSA will refund advance registration fees for cancellations received in writing by OCTOBER 2. NO REFUNDS WILL BE MADE ON CANCELLATION NOTICES RECEIVED AFTER THIS DATE. Refunds will be mailed from GSA after the meeting; a $10 processing fee will be charged. Refunds for fees paid by credit card will be credited according to the card number on the preregistration form. NO refunds for on-site registration and ticket sales.

---

NEW MEMBERSHIP DISCOUNTS

A $40 member discount on registration applies to any professional member of GSA or an Associated Society. The Associated Societies that qualify are listed on the registration form. Professional registrants who paid the nonmember registration fee and apply for GSA membership by March 31, 1988, will be entitled to a $40 discount from the 1988 membership fee. Students will receive a $15 discount from the 1988 Student Associate membership fee. Only ONE discount will apply per person. In order to receive the reduction, a copy of the meeting registration form MUST be attached to the membership application. Membership applications are available from GSA headquarters. During the meeting, you can pick up applications at the GSA Bookstore (Exhibit Hall, Booth #612), Employment Service, or Membership Desk, Registration Area, Civic Plaza.
**TECHNICAL PROGRAM SCHEDULE — 1987**

# = SYMPOSIA IDENTIFICATION    ITALICS = THEME SESSIONS    UPPER/LOWER CASE = VOLUNTEERED SESSIONS    ALL CAPS = POSTER SESSIONS

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August, 1987

The Lattice 15
The technical program consists of volunteered papers that are presented in oral or poster sessions and invited papers presented in symposia. Symposia are as follows:

2. Predicting Coal Quality by Means of Basin Analysis, Geophysical Data, and Geochemical Techniques. Coal Geology Division; Frederick Kuelmer, New Mexico Institute of Mining and Technology.
3. Neotectonics in Earthquake Evaluation. Engineering Geology Division; Ellis Krinkitsky, Waterways Experiment Station.
15. Rates of Evolution In Fossil Lineages. Paleontological Society; Bjorn Malmgren, University of Uppsala.
18. Geology and Tectonics of Mexico. Joaquin Ruiz, University of Arizona.
24. Inception and Timing of Deformation in the Late Mesozoic and Early Cenozoic Cordilleran Fold-Thrust Belt. Tim Lawton, New Mexico State University.
25. Geology In China. B. Clark Burchfiel, Massachusetts Institute of Technology.

GSA has blocked rooms at ten hotels that are offering special convention rates to GSA meeting attendees. GSA endorses these hotels for quality, cleanliness, and service.

TO MAKE YOUR HOTEL RESERVATION

BY FRIDAY, OCTOBER 2, fill out the attached Official Housing Request Form and mail it immediately to the address shown on the form. No reservations will be accepted if not submitted on this form. AFTER FRIDAY, OCTOBER 2, you are responsible for making your own reservation directly with the hotel. Note that (1) many hotels will be filled at this time, and (2) hotels are not required to offer the special GSA rate as shown.

ASSIGNMENT

Hotel rooms will be assigned on a first-come, first-served basis as they are received by the Housing Bureau. Once your request is received, the bureau will send an acknowledgement to both you and to the hotel in which you have been assigned. You will then receive a confirmation from the hotel. This is a notice that the hotel received the information from the bureau and that the reservation has been input into their system. If you did not include a credit card number on the housing form, you must now send a first night's room deposit directly to the hotel.

ROOM DEPOSITS/GUARANTEES

All GSA hotels require a first night's room deposit. Deposits can be made by (1) including a credit card number with your housing form, or (2) sending payment directly to the hotel once you have received your confirmation. NOTE: The housing bureau will ONLY accept credit card numbers. If making payment directly to the hotel, be sure to give them your confirmed reservation number. Once the hotel receives your deposit, it automatically guarantees your reservation.

The guarantee assures you that no matter what time you arrive on your scheduled arrival day, your room will be held until 6:00 p.m. of the following day. If you have not guaranteed your reservation, the hotel is not required to hold your room beyond 6:00 a.m. of the scheduled arrival day.

CHANGES AND CANCELLATIONS

BEFORE OCTOBER 2, all changes and cancellations to your room reservation must be sent, in writing, to the Housing Bureau. AFTER OCTOBER 2, all changes and cancellations to your room reservation must be telephoned in to your hotel. Supply your hotel reservation number at the time of any change or cancellation. Your notice of cancellation must be received AT LEAST 48 HOURS in advance of your scheduled arrival in order to receive full refund of your first night's room deposit. NOTE: All rooms are subject to a 7.6% room tax.
Quality Inn Airport  
1820 South 7th Street, Phoenix, AZ 85034  
(602) 254-9787  
150 rooms  
1.5 miles from Civic Plaza; 10 minutes by car  
Single: $28  
Double: $30 & $34  
Children under 16 accompanied by parent—Free  
Restaurant; cocktail lounge; outdoor heated swimming pool;  
free outside parking; 10 minutes to airport  
Check-in: 3:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, DC, MC, V

Hyatt Regency Phoenix—Headquarters  
122 North Second Street, Phoenix, AZ 85004  
(602) 252-1234  
600 rooms  
1 block from Civic Plaza  
Single: $80  
Double: $90  
Children under 18 accompanied by parent—Free  
Full service hotel; 1st floor shopping mall; revolving restaurant and lounge; terrace cafe;  
cocktail lounge w/plano music; swimming pool & jacuzzi;  
conciierge; laundry and valet service; inside self-parking  
(currently $1.00–$4.50/day); valet parking (currently $6.25/day)  
Check-in: 3:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, DC, MC, V

The Adams Hilton  
Central and Adams, Phoenix, AZ 85001  
(602) 257-1525  
475 rooms  
2 blocks from Civic Plaza  
Single: $63  
Double: $77  
Children any age accompanied by parent—Free  
Restaurant; coffee shop; cocktail lounge w/entertainment;  
free use of 5th floor recreation deck w/heated swimming pool,  
whirlpool, carpeted jogging track, ping pong; gift shops; florist;  
inside self-parking (currently $5/day)  
Check-in: 1:00 p.m.  
Check-out: 1:00 p.m.  
CC: AX, CB, D, DC, MC, V

Hotel San Carlos  
202 North Central Avenue, Phoenix, AZ 85004  
(602) 253-4121  
90 rooms  
3 blocks from Civic Plaza  
Single: $37  
Double: $37  
Children under 12 accompanied by parent—Free  
Deli restaurant open M–F; heated outdoor swimming pool;  
free continental breakfast in lounge; steam-heated rooms;  
hotel-regulated air conditioning; showers; bathtubs in most rooms;  
fee parking available  
Check-in: 1:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, D, DC, MC, V

Park Inn Heritage Hotel  
401 North First Street, Phoenix, AZ 85004  
(602) 258-3411  
100 rooms  
3 blocks from Civic Plaza  
Single: $60  
Double: $60  
Children under 18 accompanied by parent—Free  
Richard's Restaurant; lounge w/free hors d'oeuvres and cocktails  
during happy hour; outdoor heated swimming pool;  
gift shop; one-day valet and laundry service; free outside parking  
Check-in: 2:00 p.m.  
Check-out: 12:00 noon  
CC: AX, DC, MC, V

Holiday Inn Financial Center  
3600 North Second Avenue, Phoenix, AZ 85013  
(602) 248-0222  
275 rooms  
3.5 miles from Civic Plaza; 15 minutes by car  
Single: $52  
Double: $61  
Children under 12 accompanied by parent—Free  
Restaurant; cocktail lounge w/entertainment; 2 swimming pools;  
free newspaper; across from shopping mall; free inside parking  
Check-in: 3:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, D, DC, MC, V

La Mancha Resort Hotel & Athletic Club  
100 West Clarendon Avenue, Phoenix, AZ 85013  
(602) 279-9811  
100 rooms  
3.5 miles from Civic Plaza; 15 minutes by car  
Single: $59  
Double: $59  
Children under 18 accompanied by parent—Free  
Restaurant; cocktail lounge; free use of full athletic club;  
12 racquetball courts, basketball court, outdoor swimming pool,  
jacuzzis, men's and women's steam and saunas, Nautilus equipment,  
free weights, aerobic classes  
Check-in: 3:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, DC, MC, V

Les Jardins Hotel  
3738 North Fourth Avenue, Phoenix, AZ 85013  
(602) 234-2464  
50 rooms  
3.5 miles from Civic Plaza; 15 minutes by car  
Single: $60 & $70  
Double: $60 & $70  
Children under 13 accompanied by parent—Free  
Stylishly contemporary/distinctly European; excellent restaurant;  
heated swimming pool and spa; access to athletic facilities;  
free morning newspaper  
Check-in: 3:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, D, DC, MC, V

Park Central Motor Hotel  
3033 North 7th Avenue, Phoenix, AZ 85013  
(602) 277-2621  
60 rooms  
3.5 miles from Civic Plaza; 15 minutes by car  
Single: $37 (studio)  
Double: $41 (studio)  
$43 (suite)  
$47 (suite)  
Children under 12 accompanied by parent—Free  
Restaurant; outdoor heated swimming pool; free HBO;  
spacious studios/apartment-size suites, both with kitchens;  
free coffee in room; coin-operated laundromat; free outside parking  
Check-in: 2:00 p.m.  
Check-out: 12:00 noon  
CC: AX, CB, D, DC, MC, V

Best Western St. Francis Hotel  
4321 North Central Avenue, Phoenix, AZ 85012  
(602) 277-6671  
275 rooms  
150 rooms  
4 miles from Civic Plaza; 15 minutes by car  
Single: $40  
Double: $44  
Children under 12 accompanied by parent—Free  
Restaurant located next door; heated outdoor swimming pool;  
free coffee in lobby; free movie channel;  
free refrigerator in room upon request; free outside parking  
Check-in: 12:00 noon  
Check-out: 12:00 noon  
CC: AX, D, DC, V

Credit card codes: AX = American Express / CB = Carte Blanche / D = Discovery / DC = Diners Club / MC = MasterCard / V = VISA

NOTE: Free amenities are specifically stated as such.

August, 1987

The Lattice/17

Please make your reservation with the Housing Bureau.

August, 1987

The Lattice/17
USE OF THIS MAP

Streets are shown 8–10 blocks apart. Travel time to the Civic Plaza is estimated. Allow more time at rush hours.

* Serviced by GSA Shuttle

Parking fees vary. Some locations are self-parking; others are by valet service. The valet service is more expensive, but allows in & out parking, which metered lots and parking buildings do not.

Phoenix-Scottsdale and the Valley of the Sun

* NORTH CENTRAL AREA—
3.5–4 miles/15 minutes by car
10 St. Francis
9 Park Central
8 Les Jardins
7 La Mancha
6 Holiday Inn Financial

* SKY HARBOR AREA—
1.5 miles/10 minutes by car
1 Quality Inn

* DOWNTOWN AREA—
1–4 block walking access
5 Park Inn Heritage
4 San Carlos
3 Hilton
2 Hyatt

August, 1987
OFFICIAL HOUSING REQUEST FORM

Please complete BY OCTOBER 2 and send to:
Phoenix Convention Bureau
GSA Housing Department
505 North Second Street, Suite 300
Phoenix, AZ 85004

HOTEL/MOTEL PREFERENCE:

1. 
2. 
3. 
4. 

TYPE OF ACCOMMODATIONS NEEDED:

___ Single (1 bed, 1 person)  ___ 1 Bedroom Suite
___ Double (1 bed, 2 persons)  ___ 2 Bedroom Suite
___ Dbl/Dbl (2 beds, 2 persons) ___ Add rollaway to room
___ Triple (2 beds, 3 persons)  NOTE: All rooms are subject to 7.6% tax.
___ Quad (2 beds, 4 persons)

ARRIVAL DAY/DATE 
DEPARTURE DAY/DATE 

NAMES OF OCCUPANTS:

1. 
2. 
3. 
4. 

GUARANTEED ROOM RESERVATION AUTHORIZATION:

I understand that my reservation will not be held after 6:00 p.m. unless I guarantee my reservation. I also understand that the hotel may bill me for one night's housing if I fail to cancel at least 48 hours prior to arrival.

___ My guarantee will be made directly to the hotel after I have received my hotel confirmation.
___ I will take my chances. No guarantee deposit will be provided.

Please guarantee my room reservation with the following:

___ American Express  ___ Carte Blanche  ___ Diners Club  ___ Discovery  ___ MasterCard  ___ VISA

SIGNATURE ___________________________ ...

CARD NUMBER ___________________________ EXP. DATE ___________________________

MAIL CONFIRMATION TO: (Please type or print)

Name ___________________________ Telephone ( ) ___________________________
Address ___________________________ City ___________________________
State ___________________________ ZIP ___________________________ Country ___________________________

August, 1987
TRANSPORTATION

AIRLINE

GSA has designated The Cain Travel Group of Boulder, Colorado, as the official airline reservation agent for the Phoenix meeting. United and Delta/Western Airlines are the official co-airlines. Cain Travel has served the GSA Annual Meeting for the past six years. The agency service is free, and it can save you both time and money.

Reduced rates will be up to 40% off coach, depending on the dates of travel. United and Delta/Western have also offered an additional 5% off any available fare, but restrictions will apply. The reduced rates will be available only to GSA travelers and their companions.

All participants booking through Cain Travel will automatically become eligible for inclusion in a drawing for two round-trip tickets to anywhere in the continental United States prior to August 31, 1988, subject to certain restrictions. In addition, clients will be eligible for a second drawing for $500 in travel credits through Cain Travel.

Reservation Procedures

1. Book early. Understand restrictions, if applicable.
2. Call Cain Travel for reservations: (800) 346-4747 (toll free outside Colorado) or (303) 443-2246, Monday–Friday, 7:30 a.m.–5:30 p.m. Mountain Time. Identify yourself as a GSA traveler.
3. Payment options: Check payable to Cain Travel or invoice to company. The final payment must reach Cain Travel no later than seven days prior to departure to allow for mailing time.
4. Tickets will be mailed via certified mail upon receipt of payment.
5. Airfares are subject to increase or decrease at any time. After the ticket is issued, you are protected against a fare increase. If airfare should decrease, contact Cain Travel for an adjustment.
6. There will be an on-site customer service desk at the Civic Plaza staffed by Cain Travel employees to assist with itinerary changes or problems.

GROUND

The Phoenix Sky Harbor International Airport is 7 miles from the Civic Plaza and downtown area—an approximately 15-minute ride. The Financial Center is 12 miles from the airport—an approximately 25-minute ride. Means of transportation are as follows:

Super Shuttle

Airport to hotel. Operates 24 hours a day, 7 days a week. Departs every 15 minutes from outside the baggage area.

The blue vans are designated with red, diamond-shaped signs. Identify yourself as a GSA delegate and get a discount. Guaranteed cost: $5.

Hotel to Airport. Call 24 hours in advance for reservations, 244-9000. Hotel pick-ups are NOT automatic. Guaranteed cost: $5.

Taxi Cabs

Airport service. Three cab companies service the airport. They offer either a flat rate of $5 to $10 (based on destination), or metered charges ranging from $1.80 to $2.10 for the first mile and $0.80 to $1.10 for each additional mile. Charges vary depending on cab company.

Downtown service. Several cab companies service the downtown and all other areas by meter. See above charges.

GSA Shuttle

GSA will operate a free shuttle service throughout the meeting. GSA hotel guests will be transported to and from the Civic Plaza during event hours. NOTE: Hyatt Regency, Adams Hilton, San Carlos, and Park Inn Heritage are within walking distance of the Civic Plaza; therefore, no shuttle will be available from these hotels.

On Sunday, service will run from 9:30 a.m. to 9:30 p.m. Monday through Thursday, service will begin at 6:30 a.m. Depending on the time of day, buses will run in 15- or 30-minute intervals. Length of service will also vary, depending on daily meeting activities.

Look for shuttle schedules posted in all GSA hotel lobbies and in registration packets.

Each bus will be identified by a “GSA Shuttle Bus” sign in the front window.

Phoenix Transit

The city transit system services downtown and major sightseeing locations. Phoenix Transit runs from 5:00 a.m. to 8:00 p.m. Monday through Saturday (not on Sunday). Stops every 10 to 20 minutes. Route maps will be provided in registration packets.

Cost: $0.75 per ride ($0.35 for senior citizens).

Please note: Unless prices are stated as “guaranteed,” they are subject to change. Information is current as of press time.

Car Rental

Alamo is the official car rental agency for the meeting. Identify yourself as a GSA delegate and get guaranteed, discounted, daily/weekly rates as follows:

Economy—$21/$89; compact—$23/$109; mid-size—$25/$129; full-size (two-door)—$27/$149; luxury—$31/$189. Add $2 per day for 4-door models.

Unlimited mileage. Vehicles MUST be returned to the same rental location. Call Alamo for advance reservations, (800) 732-3232; in Phoenix, call 244-0753. Give the GSA Group I.D. No. 21123 and the GSA Rate Plan Code No. G9.

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Washington, D.C. 20006

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