NUMBER 91

What's New

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- Gunter Faure retires as Executive Editor of GCA (3, 5), Karl Turekian is new Editor designate (3, 7)
- Gast Lecture Series Announced (3)
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GSA, Denver, Colorado

October 27-31, 1996

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8th V.M. Goldschmidt Conference
Toulouse, France
August 30-September 3, 1998

Organizing Committee

L. Charlet (Grenoble), R. Delmas (Toulouse), B. Dupré (Toulouse), C. Fouillac (Orléans), A. Huc (Rueil Malmaison), J. Lanclot (Montpellier), J. Ludden (Nancy), J.-F. Minster (Toulouse), E. H. Oelkers (Toulouse), M. Polvé (Toulouse), J. Schott (Chairman, Toulouse)

THE GEOCHEMICAL SOCIETY

The Geochemical Society is a nonprofit scientific society founded to encourage the application of chemistry to the solution of geological and cosmological problems. Membership is international and diverse in background, encompassing such fields as organic geochemistry, high and low-temperature geochemistry, petrology, meteoritics, fluid-rock interaction, and isotope geochemistry. The Society produces a Special Publications Series, this biannual Newsletter, and jointly with the Meteoritical Society, the journal Geochemica et Cosmochimica Acta, grants the V.M. Goldschmidt and F.W. Clarke Awards, and, jointly with the European Association of Geochemistry, the Geochemistry Fellows title: sponsors the V.M. Goldschmidt Conferences, held in North American in odd years and elsewhere in even years, jointly with the European Association of Geochemistry; and co-sponsors the Geological Society of America annual meeting (also the Geochemical Society’s annual meeting) and the spring meeting of the American Geophysical Union. The Society honors the memory of our first President, F. Earl Ingerson, and our first Goldschmidt Medalist, Paul W. Gast, with the Ingerson and Gast Lectures. Members of the Organic Geochemistry Division are individuals with interests in studies of the organic geochemical significance, and behavior during diagenesis and catagenesis of naturally occurring organic substances in the Earth, and of extraterrestrial organic matter. GS members may choose to be affiliated with the OGD without any additional charge to their dues. The OGD presents the Alfred E. Treibs Award for major achievements in organic geochemistry, and a “Best Paper” award in organic geochemistry.

Editor’s Corner

Lori and I are very grateful for the many kind words from members regarding the spring 1996 issue of Geochemical News, our “baptism of fire”. We will continue to experiment with materials, formats, and reproduction methods until we achieve a satisfactory balance of quality and economy. Due to our large international membership and the timely nature of many of the announcements, printing and mailing costs are quite high. Because of this, and the fact that Editorial and Secretarial duties are voluntary, I will continue to limit the scope of the News, for the foreseeable future, to a biannual publication focused primarily on reporting the activities, events and deadlines of the Geochemical Society and its affiliates.

Depending upon the membership to submit ideas and copy material, and as space permits, I will continue to include partial or full-page adds for meetings of broad interest to the membership, to prominent geochemists who have received major awards, or whose memory is honored, and the Calendar of Meetings. Your help is desperately needed to make these valuable additions interesting, timely, and comprehensive. Please contact me (preferably by email or fax) whenever you have an item that might be suitable for inclusion, and by all means send electronic or hard-copy photos to liven up the issues. Thanks, and drop us a line with suggestions or contributions!

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Geochemical Society Homepage address on the WWW:
http://www.ciw.edu/geochemical_society/
Greetings from the President

Dear Colleagues,

This letter contains five reasonably straightforward messages. I'll start with the abstract for those of you who are too busy for the full text.

1) We are delighted to announce that Karl Turekian is the new Editor-designate of *Geochimica et Cosmochimica Acta*.

2) The European Association for Geochemistry and the Geochemical Society (the Goldschmidt Forum) are going to introduce a new honorary lecture, the Gast Lecture.

3) It is important that you attend the Goldschmidt Conference in Arizona next year.

4) We are currently discussing new ways of interfacing the Geochemical Society with the efforts of other societies, particularly when it comes to meetings. Let us know your views.

5) Please make a big effort to encourage more of your colleagues and students to become members of the Geochemical Society and subscribe to the top geochemistry journal, *Geochimica et Cosmochimica Acta*. This is terribly important and the price is a steal.

Perhaps one of the more common complaints I hear these days is that there are too many meetings. For geochemists this is inevitable. Geochemistry has become so broad in influence and so inextricably linked with many other kinds of study that it would be a bad thing if there were not close integration with other areas of the earth, oceanic, space and environmental sciences. The Geochemical Society needs to encourage joint initiatives with other Societies such as the Geological Society of America, the American Geophysical Union, the Mineralogical Society of America, the Meteorological Society, the Society for Economic Geologists and the European Union of Geosciences.

In the midst of such interfacing with other disciplines and societies, geochemistry has become so broad that it really needs to engage in greater internal communication and liaison. Geochemists have to work together. It is the inevitable intertwining of different kinds of geochemical thinking and data, involved in sorting out problems as different as ALH84001, the transport of elements in the oceans, or the k-T boundary, to name a few, that give geochemistry its strength. Furthermore geochemists as a very large group need to be more actively engaged, collectively, in political decisions about science, society, research funding, the environment and education. To this end, the Geochemical Society is actively promoting its, now well established, relationship with the European Association for Geochemistry, through the Goldschmidt Conferences and the Geochemistry Fellows. These have now been formalized with the establishing of the Goldschmidt Forum.

We are therefore faced with a tricky balancing act, effort-wise. We want improvements to the Goldschmidt Conference to be our major focus. So please make it a priority to attend the conference next year in Arizona. Details are to be found elsewhere in this issue. How to prioritize involvement with other societies that in essence compete with our own society and its meetings, is an important issue. This will be discussed by the Board of Directors when they meet at the GSA meeting in Denver at the end of October. Please feel free to let us know your carefully considered views.

Perhaps the most successful example of integrated geochemistry is our outstanding journal, *Geochimica et Cosmochimica Acta*. This journal guarantees, as far as one can, that a paper will be seen by the complete readership in geochemistry. Gunter Faure is stepping down as Editor. We are very grateful to him for his phenomenal efforts over the years. Under his leadership the journal has grown considerably and we have continued to see many truly marvelous papers published. I am very pleased to announce that we have appointed a new Executive Editor of *GCA*, Karl Turekian. Karl already has considerable experience as an editor and an impressive breadth of first class scientific experience. Karl was formerly an editor of Earth and Planetary Science Letters and Global Biogeochemical Cycles. An article by Karl describing his plans can be found on page 7 of this issue. We owe particular thanks to Frank Podosek and the Joint Publications Committee for their efforts in searching for a new editor. We are also especially grateful to Brian Skinner and Denis Shaw who agreed to be co-opted as additional members for the purposes of the search.

Hap McSweeney, my counterpart in the Meteoritical Society, and I, are both delighted by the outcome of the editor search and we look forward to many more years of joint publishing in close cooperation with Elsevier. We have agreed to continue with our current contract with the modification added, that, should we decide to do so, the journal could be divided into two separate issues. This was in direct response to our poll of the memberships earlier this year. Whether we enact such a measure depends in part on the way the new editor will want to run things and the response that is seen to the
price of the journal. As I said earlier this year, GCA is amazingly good value by any standard, and the price increases are fully justifiable. So don’t cancel your subscription, get more people to subscribe.

Finally, Paul W. Gast was one of the most influential scientists in geochemistry in the 60’s and 70’s. His passion for the science and his realization of the potential of isotope and trace element geochemistry in particular, had a major effect on the development of mantle geochemistry and the lunar science program. He died in 1973 at the age of 43. The European Association for Geochemistry and the Geochemical Society are jointly introducing a new honorary lecture, the Gast Lecture, which will be given at the Goldschmidt Conference each year by a notable geochemist, of approximately the same age that Paul Gast was when he died. The first lecture will be given at the Arizona Goldschmidt Conference.

I look forward to seeing you all there.

With best wishes

Alex N. Halliday

From the Business Manager

If you have a problem with your membership, subscription to GCA, or need to change your address, please contact me:

TinaGayle Osborn
287 Scott Hall
Ohio State University
1090 Carmack Rd.
Columbus, OH 43210 USA

phone: 614-292-6919
fax: 614-292-7273
email: geochsoc@magnus.acs.ohio-state.edu (preferred)

New Members
Thank you for joining the Geochemical Society. We hope your association with the society is long-lived and profitable. If you have subscribed to GCA and are still not receiving the journal, need back issues of the journal, or have any questions or suggestions, please let me know.

Back Issues
Sometimes there are isolated problems with the mail delivery of GCA. If this happens to you, please contact me and I will make sure that you eventually receive all your issues. I have a very limited supply in the office and I can order issues from Elsevier for paid (on time) subscribers of the Geochemical Society and the Meteoritical Society. I can get issues for the current year and can usually get issues for the previous year. If you have been a new member for longer than three months and you still do not have your back issues, please contact me.

Renewal Process
This is by far the most confusing time for the business office. Please remember that a large number of documents (renewals, memberships, checks, letters of explanation) arrive within a short time period. This makes it very easy for mistakes to be made and for things to be overlooked. For 1997, we will be sending the first notice renewals out in late September/early October. This is almost a full month earlier than usual and we hope that this will alleviate some conflict with an overloaded holiday mail system. Second notices will be mailed with the journal to avoid further confusion. A letter of final notice to all those who have not renewed will be mailed in February. If you do not renew in a timely fashion, you will not be considered a member for 1997 and GCA will not be mailed. However, as always you can change this status by paying late, as long as you do so for August 1, 1997.

1996 Membership Directory
The membership directory for the Geochemical Society is prepared every two years and 1996 is a membership directory year. Please look for your copy by the end of 1996 (for subscribers it will be mailed with issue 24 of GCA).

(See membership application, page 31, and please encourage your colleagues to consider joining!)
Gunter Faure Retiring as Editor of GCA

After nine years of enormous dedication and sacrifice, Gunter Faure is retiring as Executive Editor of Geochimica et Cosmochimica Acta, the premier journal of geochemistry produced by the Geochemical and Meteoritical Societies. Author of over one hundred articles and three major textbooks on isotope geology and geochemistry, Gunter will return to full-time teaching and research in the Department of Geological Sciences at Ohio State University, where he has been a professor since graduating from MIT in 1961. We all owe him an enormous debt of gratitude. Hereewith is an article prepared by Gunter summarizing his tenure:

GCA IN RETROSPECT
Gunter Faure

When Denis Shaw announced at a Council Meeting of the Geochemical Society in 1987 that he wished to step down, I did not take much notice. At the time, I was Editor-in-Chief of ISOTOPE GEO SCIENCE which I had started in 1983 with Henk van der Rijst of Elsevier. However, when Denis called me a few weeks later to ask if I wanted to be considered for the job of Executive Editor of GCA, I agreed to accept the position if it were offered.

After being informed of my selection by Mike Drake (Chair of the Joint Publications Committee) in the early spring of 1988, I visited Denis Shaw on two occasions to find out how he handled the job. During these visits I realized that being the Executive Editor of GCA is far more demanding than editing ISOTOPE GEO SCIENCE. Therefore, I persuaded John King, the Editorial Manager working with Denis, to move with the journal to Columbus, Ohio.

John had started to adapt a data-base program for use in the editorial office at McMaster University and expanded that work into a computer network in our office in Columbus. He basically taught me the procedures Denis had used to handle the reviewing and revising of manuscripts and to prepare the accepted papers for publication. In due time, John was married and moved to the University of Calgary where his wife had accepted a tenure-track position. He is now working at the University of Calgary Press.

We continued with Ken Cherry as Managing Editor until his resignation in June in 1991 in the aftermath of the “Fax War.” His place was taken by Lee Mobley who has not only kept our journal afloat, but who deserves much credit for its timeliness and for its flawless appearance.

When my term as Executive Editor ends on December 31 of this year, Lee will continue to edit and produce GCA in Columbus under contract with Elsevier.

When I took over the reins from Denis, GCA was the leading journal in geochemistry, meteoritics, and lunar science. Consequently, I continued on the course Denis had set and

made only a few minor changes that were intended to make the journal more attractive to readers and authors. These modifications included:

1. Organization of the content of the journal based on ten subject categories.
2. Rapid handling of Letters selected on the basis of high quality and relevance.
3. Transformation of “Critical Comments” and “Replies” into “Discussions” of scientific matters for the benefit of the readers.

Since GCA is a society journal, I adopted a conciliatory attitude towards our authors and readers. For example, I allowed inexperienced authors a second chance to revise their papers if the Associate Editor recommended it. However, in the end I accepted only those revised manuscripts that made a significant contribution to the advancement of the principles of geochemistry, meteoritics, and cosmochemistry.

The geochemists and cosmochemists of the world responded by submitting their manuscripts to GCA in preference to other journals. They did so not only because of the prestige associated with publication in GCA, but also because of the wide scope of the journal. A paper published in GCA comes to the attention of the leading geochemists in all of the many subject areas represented by the members of the Geochemical Society and the Meteoritical Society.

I also tried to serve the members of the sponsoring societies by publishing selected sets of papers honoring one of our outstanding colleagues or treating a particular subject area in depth. The resulting popularity of GCA caused the journal to grow until I had to impose a ceiling of 6000 pages per year. This became necessary not only to contain the rapidly rising production costs, but also because I believe that an annual page budget between 5000 and 6000 pages is sufficient to accommodate all of the high-quality papers being submitted for publication in GCA.

The comprehensive scope of our journal and the need for a thorough evaluation of manuscripts by expert reviewers requires the assistance of Associate Editors who are not only among the leaders in their subject areas, but who are also willing to devote their time to the evaluation and improvement of manuscripts. The Associate Editors of GCA deserve your greatest admiration and respect for
their unselfish service to our science. In recognition, of their valuable contribution of GCA, I received permission from Elsevier to recognize annually the most meritorious Associate Editor by an award of $1,000. We also identified the five most productive reviewers each year and paid their subscriptions to GCA and their dues to the societies.

The record of my editorial administration is contained in the issues of our journal starting in 1989 to the end of 1996 and is summarized in the Table below. I have tried not only to publish the best papers in all aspects of geochemistry and meteoritics, but also to serve the members of our societies. The societies will prosper if they have the support of their members. As our football coach Woody Hayes used to say: “You win with people.”

The vital statistics of GCA from 1988 to 1996 for the editorial office in Columbus, Ohio.

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<td>38.15</td>
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a. Edited by Denis Shaw
b. Edited by J. Douglas MacDougall starting in 1994
c. Projection based on 15 issues
d. Estimated from budget of Denis Shaw in US currency ($1.00 US = $ 0.75 Canada) plus $32,439 spent by editorial office in Columbus.

American Geophysical Union
1996 Fall Meeting

Among the many exciting events and sessions at the AGU Fall Meeting in San Francisco, California, December 15-19, 1996, will be the following special symposia:

**Metamorphism and Geodynamics of High- and Ultrahigh-pressure Metamorphism**
J.G. Liou, Stanford University, (T: 1-415-732-2716; E: liou@pangea.stanford.edu)
B.R. Hacker, UC Santa Barbara (T: 1-415-725-0045; E: hacker@pangea.stanford.edu)

**Geochemical Earth Reference Model (GERM)**
Francis Albarede, Lyon, France, (T 33-72-72-84-14; E: albarede@geologie.ens-lyon.fr)
Bill White, Cornell, USA, (T: 1-607-255-5267; E: white@geology.geo.cornell.edu)
Hubert Staudigel, Vrije, Netherlands (T: 31-20-444-7358; E: stau@gco.vu.nl)

For general information on the meeting, visit the AGU web site [http://www.agu.org](http://www.agu.org)
Karl Turekian is Editor-designate of GCA

Karl K. Turekian, Benjamin Silliman Professor of Geology and Geophysics at Yale University, has been recommended by the Joint Technical Publications Committee and approved by the Boards of the Geochemical and Meteoritical Societies to assume the Editorship of Geochimica et Cosmochimica Acta upon the retirement of Gunter Faure. Dr. Turekian served as President of the Geochemical Society in 1975-76 and Vice President 1974-75, as well as Associate Editor of GCA and a director of the Society in 1967-70. He brings enormous experience to this position, having served as Editor-in-chief of JGR(Oceans & Atmospheres), 1969-75, Earth and Planetary Science Letters, 1975-89, and Global Biogeochemical Cycles, 1990-95. He is currently Director of the Center for the Study of Global Change at Yale, where he has been a professor of geology and geophysics since 1956. His many accomplishments and honors include membership in the US National Academy of Sciences and the American Academy of Arts and Sciences, service on numerous US National Research Council committees, and receipt of the V.M. Goldschmidt Award of the Geochemical Society, 1989. Herewith is an article prepared by Dr. Turekian:

Editor-designate’s Statement

In 1957 in the last issue of Volume 11 of Geochimica et Cosmochimica Acta, the announcement was made that the journal henceforth would be the “official Journal of the Geochemical Society” and continued “... with neither [the publisher nor the Society] abrogating or usurping any of the functions or rights of the other”. With that statement the coupling of the interests of the Geochemical Society (and later the Meteoritical Society as well) with Pergamon Press (now a part of Elsevier) was made. Prior to that time many of the seminal papers in geochemistry were published by the journal even without the existence of the Society, and for this fact geochemists will ever be grateful to Pergamon Press. After ten years a fundamental change in editorial style was made by the Geochemical Society. An Executive Editor was put in place (Al Levinson) with a strong board of Associate Editors. That revolutionary board was composed of E. Anders, J. R. Butler, P. W. Gast, H. J. Greenwood, I. R. Kaplan, S. R. Nockolds, D. M. Shaw, R. S. Silverman, S. R. Taylor, K. K. Turekian and E. A. Vincent. Their charge was to assist the Executive Editor in revitalizing Geochimica et Cosmochimica Acta. That was my first direct involvement with the journal. Subsequent Executive Editors, Denis Shaw and Gunter Faure, have continued to maintain the high standards set by that early board and the journal has flourished.

Since then many new journals have appeared, some of a general nature and others matching the specialized needs of a growing field. Yet Geochimica et Cosmochimica Acta can claim to be the premier general geochemical journal. I hope to maintain that role for the journal. We have all published papers in high quality journals focused on different aspects of Earth and planetary sciences, but the special place of Geochimica et Cosmochimica Acta for the publication of seminal, broad interest papers remains. In order to maintain this special role the journal must identify the best papers in the broad field of geochemistry and publish them quickly. This aim will result in some changes in the way the journal will function and these changes will be evident over time. Let me say that I'm enough of an old-timer to remember that geochemists had the unique quality of being generalists in a world of growing specialization. I would hope that that tradition will remain with geochemists forever. I, therefore, do not see an immediate need to split up our journal into separate specialty publications under one aegis. We are not as large as the Journal of Geophysical Research to go that route (incidentally, one that I helped pave but ever with a sense of loss. I cannot help but relate this process to C. S. Lewis's vision of Hell in his book "The Great Divorce".)

Broecker Wins National Medal of Science!

Wallace S. Broecker, Newberry Professor of Geology at Columbia University's Lamont-Doherty Earth Observatory, was among 13 recipients this year of the US's highest scientific honor, the National Medal of Science, for his outstanding contributions to our understanding of chemical changes in the ocean-atmosphere system. President of the Geochemical Society from 1978 to 1980, Wally was also the 1987 recipient of the Society's V.M. Goldschmidt Award and our 1988 Ingrerson Lecturer. His many awards and honors include membership in the National Academy of Sciences, the 1995 Roger Revelle Medal of the American Geophysical Union, and the 1990 Urey Medal of the European Association for Geochemistry.
THE GEOCHEMICAL SOCIETY 1997 AWARDS, NOMINATION PROCEDURES

V. M. Goldschmidt Award
The V. M. Goldschmidt Award, consisting of a gold medal and a certificate, shall be made for major advancements in geochemistry or cosmochemistry. Such achievements may consist of either a single outstanding contribution, or a series of publications that have had great influence on the field.

1972 P. W. Gast
1973 R. M. Garrels
1974 H. E. Suesse
1975 H. C. Urey
1976 H. P. Ewing
1977 S. Epstein
1978 G. J. Wasserburg
1979 H. Craig
1980 C. C. Paterson
1981 R. N. Clayton
1982 K. B. Krauskopf
1983 S. S. Goldich
1984 A. O. Nier
1985 J. B. Thompson
1986 C. J. Allegrè
1987 W. S. Broecker
1988 H. C. Helgeson
1989 K. K. Turekian
1990 E. Anders
1991 A. E. Ringwood
1992 S. R. Hart
1993 S. R. Taylor
1994 H. D. Holland
1995 R. Berner
1996 A. W. Hoffman

Nominations for the 1997 V. M. Goldschmidt Award should be submitted before October 1, 1996, to:

Dr. Claude J. Allegrè
Géochimie et Cosmochimie
Institut de Physique du Globe
4 Place Jussieu Tour 14-24
Paris Cédex 05 F-75005 France
Tel: 33-1-44274915
Fax: 33-1-44273752
E-mail: allegre@ipgp.jussieu.fr

F. W. Clarke Award
The F. W. Clarke Award, consisting of a silver medal and a certificate, shall be made to a young scientist for a single outstanding contribution to geochemistry or cosmochemistry, published as either a paper or a series of papers on a single topic. Candidates must have held a recognized doctorate or its equivalent for no more than six (6) years, or be not more than thirty-five (35) years of age, whichever anniversary date is later on December 31st of the year in which the award is approved by the Board of Directors. Independence and originality shall be important factors.

1972 D. A. Papastassopoulos
1973 H. Ohrnert
1974 L. Grossman
1975 D. Walker
1976 J. R. Wood
1977 B. M. Myerson
1978 D. J. DePaolo
1979 A. C. Lasaga
1980 R. W. Potter
1981 J. F. Minster
1982 P. J. Patchett
1983 E. B. Watson
1984 A. Mackenzie
1985 E. M. Stolper
1986 M. D. Kurz
1987 E. Takahashi
1988 P. M. Phillips
1989 no award
1990 R. J. Walker
1991 D. Sherman
1992 E. Klein
1993 Y. Zhang
1994 C. Agee
1995 R. Lange
1996 P. M. Dome

Nominations for the 1997 F. W. Clarke Award should be submitted before October 1, 1996, to:

Dr. Barb Dutrow
Dept. Geology and Geophysics
Louisiana State University
Baton Rouge, LA 70803-4101 USA

Tel: 504-388-2525
Fax: 504-388-2302
E-mail: dutrow@hermes.gsu.edu

The Goldschmidt and Clarke awards will normally be given annually at the V.M. Goldschmidt Conference, but may be reserved at the discretion of the Board of Directors. Neither award is normally shared, except in highly unusual cases, such as independent discoveries or joint work where the contributions of the co-workers are essentially equal. Members of the Board are ineligible for the duration of their terms. Past medalists are permanently ineligible.

Nominations should specify the name, address, citizenship, and chief fields of specialization of the nominee, and be accompanied by a curriculum vitae and bibliography of the nominee, limited to two pages each, and up to three supporting letters. Nominations should also be accompanied by a letter from the nominator giving name, address, phone number, signature, and a few paragraphs summarizing why the candidate is suitable for the award.

Nominations for the Clarke Award should be accompanied by a copy of the paper(s) for which the nominee is to be considered for the award, together with a statement explaining the significance of the work. Nominators should also specify the nominee's final degree, the degree advisor's name, the year granted, and the name of the granting institution.

All nominations will be considered by the Award Committees and will remain active for three years, unless the candidate becomes ineligible due to time limitations (Clarke), or on grounds of membership on the Board or on one of the Award Committees. Such nominations will then be held for the duration of this nominee's term, then reactivated for the balance of the three year period after expiration of the term.

Award winners are chosen by the Board of Directors, normally from between a nominee and an alternate recommended by each Award Committee. The awards are based solely on scientific merit, without regard to citizenship or membership in the Society.

Alfred E. Treibs Award
This award, consisting of a gold-filled medal and a certificate, shall be awarded for major achievements, over a period of years, in organic geochemistry. Such achievements shall consist of pioneering and innovative investigations which have made highly significant contributions to the understanding of the origin and fate of organic materials in the geosphere and/or in extra-terrestrial environments.

1979 G. T. Philippi
1980 B. Tissot
1981 G. Eglinton
1982 J. M. Hunt
1983 D. H. Welte
1984 W. K. Seifert
1985 P. Albrecht
1987 T. C. Hoering
1989 J. R. Maxwell
1991 J. W. de Leeuw
1993 L. K. Kaplan
1995 K. A. Kevenolden
1996 P. L. Parker

The Alfred E. Treibs Award is now given every two years at the Gordon Research Conference on Organic Geochemistry. This award is subject to approval by the Board of Directors of the Geochemical Society. For the 1998 Alfred E. Treibs Award, nominations information may be obtained from, and the completed package should be sent by November 15, 1997, to:

Dr. Richard M. Mitterer
Department of Geosciences
University of Texas at Dallas
Richardson, TX 75083-0688 USA
Tel: 214-883-2462
Fax: 214-883-2537
E-mail: mitterer@utdallas.edu

Newsletter of The Geochemical Society
THE GEOCHEMICAL SOCIETY
Call for Nominations for 1997 Joint EAG-GS Geochemistry Fellows

The European Association of Geochemistry (EAG) and the Geochemical Society (GS) established in 1996 the honorary title of Geochemistry Fellow, to be bestowed upon outstanding scientists who have, over some years, made a major contribution to the field of geochemistry. Existing and new Urey, Goldschmidt and Treibs Medal winners become Fellows automatically. In addition, up to 0.5% of the total combined membership of the two societies should be elected as Fellows each year. This corresponds to approximately 15 honorees per year at current enrollment levels, and allows for growth in the societies. Nominations will be sought and recommendations for election made by a committee (Fellows Selection Committee) of 8 persons, 4 from GS, and 4 from EAG.

Any member of either society may nominate Fellows by right. No individual may be elected a Fellow, except as a result of having previously won the Urey, Goldschmidt or Treibs Medal, while they are serving either on the Fellows Selection Committee or as a Council / Board member of EAG / GS. The Selection Committee may not themselves nominate individuals, but may actively solicit nominations from others. Members of the Selection Committee and Council / Board may not vote on any nomination where there is a clear conflict of interest. Final approval of all nominees will be made by the EAG Council and the GS Board of Directors. In the event that the EAG Council and the GS Board differ over the ratification of a nomination, the Executive Committee of the Goldschmidt Forum (the Presidents and Vice Presidents of EAG and GS) will resolve the issue. Fellows will be inaugurated at the 7th V.M. Goldschmidt Conference in 1997.

Nominations should include the name, address, and telephone number of the nominee, a citation of no more than two pages describing the contributions the individual has made to geochemistry, and up to three letters of support from members of either society. The nomination should also include the nominator’s name, address, telephone number, and signature.

Nominations should be sent no later than October 1, 1996 to:
Dr. Albrecht W. Hofmann (Chair, Fellows Selection Committee)
Max Planck Institut für Chemie
Postfach 3060
55020 Mainz, Germany

1996 Geochemistry Fellows (excluding Urey, Goldschmidt and Treibs Medalists)

1997 GSA and AGU Meetings!

The Geochemical Society holds its official annual meeting in conjunction with the Geological Society of America annual meeting, and is a co-sponsor of this meeting. Our Organic Geochemistry Division normally organizes an all-day symposium on the Sunday before the meeting, at which it also conducts its Business Meeting. In addition, the Geochemical Society is guaranteed a half-day symposium or theme session slot during the GSA meeting.

As co-sponsor of the Spring American Geophysical Union Meeting, the Society can submit an unlimited number of symposia and theme sessions. The Society is not allocated any official time at the Fall AGU meetings, but the Volcanology-Geochemistry-Petrology Section of AGU organizes special geochemical sessions at these.

Our Society’s special session at the 1996 GSA meeting is described elsewhere in this issue. Now is the time to start thinking about the 1997 meetings. Deadlines for special session proposal submittals generally fall around the first of the year for both GSA and AGU for that year’s meetings. If you want more information, or have an idea for GS-sponsored symposia (invited) or theme sessions (volunteered) at these meetings, please get in touch with our 1997 Program Committee Chairperson:

R. Lawrence Edwards
University of Minnesota
Shepherd Labs
100 Union Street SE
Minneapolis, MN 55455 USA
T: 612-626-0207
F: 612-625-3819
E: edwart001@maroon.tc.umn.edu

Newsletter of The Geochemical Society
Geochemical Society Annual Meeting at GSA in Denver

The Geochemical Society’s annual meeting this year, held in conjunction with the Geological Society of America annual meeting, is October 28-31, 1996 at the Colorado Convention Center, Denver, Colorado. Current GS members should have received a copy of the June issue of GSA Today containing registration, abstract, and housing information for the GSA meeting. If you do not have this material, contact: GSA Meetings Dept., P.O. Box 9140, Boulder, CO, USA, 80301, Phone (1-800-472-1988), WWW http://www.geosociety.org (Preregistration deadline Sept. 20, Housing deadline Sept. 30).

The Geochemical Society has sponsored or organized a number of important sessions and events for our members at GSA this year. Please make every effort to attend the Business Meeting on Monday at noon, at which President Alex Halliday will present a summary of the Society’s activities over the past year and entertain questions from the membership.

Also please come to the joint Geochemical Society/Mineralogical Society of America reception on Tuesday evening. This will be a ticketed event ($10 for professionals and $5 for students), with tickets available on the GSA registration form or at the reception. The ticketing is intended to help defray the cost of some very fine food and drinks. The pictures on this page are from last year’s very successful reception in New Orleans.

Listed below are the special meetings and events. On the following pages are the schedules for the GS-sponsored symposia, technical, and theme sessions.

1. **Geochemical Society Board of Directors Meeting.** Sunday, Oct. 27, 6:00-10:00 PM, Marriott City Center, Denver Ballroom V
2. **Geochemical Society Business Meeting** (Open to all), Monday, Oct. 28, 12:00-12:30 PM, Colorado Convention Center, Room C109
3. **Joint MSA/GS Reception** (ticketed event), Tuesday, Oct. 29, 5:30-7:30 PM, Marriott City Center, Room Colorado F
4. **Geochemical Society Ingerson Lecture**, Edward M. Stolper, “Adiabatic Melting of the Mantle”, Wednesday, Oct. 30, 11:00 AM - 12:00 PM, Colorado Convention Center, Room C209
SESSION NO. 1, 1996 GSA Annual Meeting, Sunday, October 27, 1996
Organic Geochemistry Division of the GS Symposium (S13): Organic Geochemistry: Linking the Biosphere and Geosphere
Colorado Convention Center, A101-103, 8:20 AM
Keith A. Kvenvolden, Michael D. Lewan, and Joseph A. Curiale, Presiding

8:20 AM INTRODUCTION

8:30 AM Bada, Jeffrey L.*: ORGANIC COSMOGEOCHEMISTRY [36690]


9:50 AM BREAK

10:00 AM Hayes, John M.*: THE CYCLING OF CARBON [25044]


11:20 AM Meyers, Philip A.*: ORGANIC GEOCHEMICAL PROXIES OF PALEOCEANOGRAPHIC, PALEOLIMNOLOGICAL, AND PALEOClimATIC PROCESSES [36681]

12:00 PM LUNCH

1:30 PM Lewan, M. D.+: RESEARCH ISSUES IN PETROLEUM GEOCHEMISTRY [36679]

2:10 PM Hatcher, Patrick G.*: THE ORGANIC GEOCHEMISTRY OF COAL: FROM PLANT REMAINS TO ECONOMIC FOSSIL REMAINS [36678]

2:50 PM Fogel, Marilyn L.*: BIOGEOCHEMICAL RECORD OF ANCIENT MAN [50331]

3:30 PM BREAK

3:40 PM Eganhouse, Robert P.+: ENVIRONMENTAL ORGANIC GEOCHEMISTRY: PAST, PRESENT AND FUTURE [17910]

4:20 PM Kaplan, Ian*: FORENSIC GEOCHEMISTRY [36671]

5:00 PM SUMMATION BY JOSEPH CURIALE

5:10 PM OGD BUSINESS MEETING

SESSION NO. 8, 1996 GSA Annual Meeting, Monday, October 28, 1996
Aqueous Geochemistry I: Organic and Biogeochemistry
Colorado Convention Center, C109, 8:00 AM
W.-L. Huang and Meg A. Grantham, Presiding

8:00 AM Huang, Wuu-Liang*, Otten, Glenn A.: IN SITU MONITORING OF ORGANIC TRANSFORMATION IN HYDROTHERMAL DIAMOND ANVIL CELL USING ULTRAVIOLET AND INFRARED SPECTROSCOPY [30683]


8:30 AM Rafalska, Janina K.*, Eglington, Geoffrey: GEOLOGIC SIGNIFICANCE OF Porphyrin DISTRIBUTIONS IN OIL SHALES: THERMAL MATURATION SIMULATION AND FIELD STUDIES [51075]

8:45 AM Watanabe, Yumiko*, Suzuki, Akihisa, Ohmoto, Hiroshi: THERMAL ALTERATION OF ORGANIC MATTER IN OIL SHALES: CHEMICAL AND ISOTOPIC EFFECTS [5149]

9:00 AM Yane, Lawrence J.*, Fein, Jeremy B.: EXPERIMENTAL STUDY OF AQUEOUS COMPLEXATION AND ADSORPTION IN THE ANILINE-ALUMINUM-CORUNDUM SYSTEM [51061]

9:30 AM  Daughney, Christopher J.*, Fein, Jeremy B., Yee, Nathan: A COMPARISON OF THE THERMODYNAMICS OF METAL ADSORPTION ONTO TWO GRAM-POSITIVE BACTERIA [27735]

9:45 AM  BREAK

10:00 AM  Konhauser, Kurt O.*,: DIVERSITY OF BACTERIAL IRON MINERAL FORMATION [50086]


10:30 AM  Grantham, Meg C.*, Dove, Patricia M.: BIOGEOCHEMISTRY OF ANAEROBIC SUBSURFACE ENVIRONMENTS: BACTERIAL MOBILIZATION OF IRON OXYHIDROXIDE CEMENTS [9466]


11:00 AM  MacGowan, Donald B., Ford, Lawrence*: FTIR STUDY OF ARTIFICIAL AND NATURAL COAL MATURATION: IMPLICATIONS FOR THE ROLE OF WATER AS AN OXIDANT DURING HYDROUS PYROLYSIS [30603]


11:30 AM  Cruse, Anna M.*, Lyons, Timothy W., Glascock, Michael D.: PALEOCEANOGRAPHIC CONTROLS ON METAL PARTITIONING IN PENNSYLVANIAN CYCLOTHEMIC BLACK SHALES, MIDCONTINENT NORTH AMERICA [36911]

11:45 AM  Rozan, Tim F.*, Benoit, Gaboury: COMPLEXATION OF TRACE METALS BY DISSOLVED ORGANIC CARBON (DOC) IN RIVER SYSTEMS: THE ROLE OF COLLOIDS [50340]

SESSION NO. 9, 1996 GSA Annual Meeting, Monday, October 28, 1996

Aqueous Geochemistry (Posters)
Colorado Convention Center,  Posters Hall B1,  8:00 AM
Authors will be present from 9:00 to 11:00 AM

Booth #

1. Johnson, S. E.*, Herman, J. S., Mills, A. L.: ENVIRONMENTAL FATE OF BOUND (NONEXTRACTABLE) ATRAZINE RESIDUES IN AN AGRICULTURAL SOIL [31843]

2. Apodaca, Lori E.*, SOURCES OF HIGH TRACE-ELEMENT CONCENTRATIONS IN THE FRENCH GULCH DRAINAGE, BRECKENRIDGE, COLORADO [27262]


8. Menounou, Nektaria*, Presley, Bobby J.: MERCURY IN SEDIMENT CORES FROM CENTRAL TEXAS LAKES [51204]

Newsletter of The Geochemical Society
9 Chasey, Michael L.*, Unger, Michael A., MacIntyre, William G., Chisholm-Brause, Catherine J.: LABORATORY AND FIELD INVESTIGATIONS OF ZINC AND IRON MOBILIZATION AT AN INDUSTRIAL WASTE FACILITY [51074]


11 Yang, Bencai*, Hajash, Andrew: ALBITE DISSOLUTION IN ACETIC, CITRIC, AND INORGANIC ACIDS: AN EXPERIMENTAL STUDY AT 100 DEGREES C, 13.8 MPa, AT PH 2 - 7 [36128]

12 Suwanakijborihamn, Suwannaede*, Harrison, Wendy J.: SOLUBILITY OF IRON (II) CARBONATE AT TEMPERATURES BETWEEN 25 DEGREES TO 70 DEGREES AND 1 ATM TOTAL PRESSURE [19962]

13 Prapapong, Panja*, Shook, Everett L.: ESTIMATING THE TEMPERATURE DEPENDENCE FOR ASSOCIATION CONSTANTS OF METAL-ORGANIC COMPLEXES AND CHELATES [9593]


15 Buis, Patricia F.*: ACID DISSOLUTION BY ECTOMYCORRHIZAL FUNGI: IMPLICATIONS FOR PHOSPHORUS REMOVAL [27334]

16 Banfield, Jillian F.*, Higgins, Steven R., Hamers, Robert J.: MICRO-TO MACROSCOPIC EVOLUTION OF SURFACE STRUCTURE AND SOLUTION CHEMISTRY DURING GALENA DISSOLUTION: ROLE OF MICROSTRUCTURES AND CHEMICAL HETEROGENEITIES [50465]

17 Zdansky, Erik O. F.*, Moses, Carl O., Blum, Eugene S.: X-RAY PHOTOELECTRON SPECTROSCOPIC (XPS) OBSERVATION OF A BASIC LEAD THIOSULPHATE AS REACTION INTERMEDIATE IN THE WEATHERING OF GALENA [1290]


19 Wilkin, Richard T.*, Barnes, H. L.: KINETICS OF ANALCIME DISSOLUTION AND PRECIPITATION AT 175 DEGREES C AND PH 8 [29222]

20 Yates, Douglas M.*, Joyce, Kevin J., Heaney, Peter J.: EFFECT OF PH AND COPPER(II) CONCENTRATION ON THE FIXATION OF COPPER BY SILICA POLYMERS IN AQUEOUS SOLUTION [10122]


22 Burton, Elizabeth A.*, Hult, Laura L., Winter, David J.: EFFECTS OF PCO2 AND CALCIUM TO CARBONATE ION ACTIVITY RATIO ON CALCITE PRECIPITATION RATES: EVIDENCE FOR SURFACE COMPLEXES AND SURFACE PH AS RATE CONTROLS [51149]

23 Roberts, Sheila J.*: PREDICTION OF PH IN HYDROTHERMAL FLUIDS AT ELEVATED P-T CONDITIONS: SENSITIVITY TO MEASURED PH [50279]

24 Berndt, Michael E.*, Seyfried, W. E., Jr.: CONVERSION RATES OF ARAGONITE TO CALCITE AND OF CALCITE + MAGNESITE TO PROTO-DOLOMITE [50776]


SESSION NO. 55, 1996 GSA Annual Meeting, Tuesday, October 29, 1996
Aqueous Geochemistry II: Experimental and Theoretical Geochemistry
Colorado Convention Center, A201, 8:00 AM
Nita Sahai and Dave Wesolowski, Presiding

8:00 AM Higgins, Steven R.*, Hamers, Robert J., Banfield, Jillian F., Liu, Hongbing: ATOMIC-SCALE STRUCTURE AND CHEMISTRY OF GALENA (PBS) SURFACES UNDERGOING DISSOLUTION IN ACID SOLUTIONS [50548]
8:15 AM Nugent, Melissa A.*, Brantley, Susan L., Chen, Yang, Pantuano, Carlo, Cherniak, Daniele: WEATHERING OF ALBITE: SURFACE ANALYSIS OF IN-SITU, NATURALLY WEATHERED FELDSPAR [29224]


9:00 AM Mukhopadhyay, Biswajit*, Walther, John V.: ZERO POINT OF CHARGE AND SURFACE COMPLEXATION OF ALBITE [22716]

9:15 AM Samson, Sherry D.*, Eggleson, Carrick M.: EVIDENCE FOR SLOW INTERMEDIATE REACTIONS DURING MINERAL DISSOLUTION: RESPONSE OF HEMATITE DISSOLUTION RATE TO PH-JUMPS [50876]


9:45 AM MacInnes, Ian N.*, Luttege, Andreas, Lusaga, Antonio C.: NEW SURFACE EXPERIMENTAL TECHNIQUE USING INTERFEROMETRY FOR IN SITU MEASUREMENT OF SILICATE DISSOLUTION/PRECIPITATION KINETICS AT HYDROTHERMAL CONDITIONS [51107]

10:00 AM Sahai, Nita*, Sverjensky, Dimitri A.: EXTENDED TRIPLE-LAYER MODEL FOR PREDICTING SPECIFIC ELECTROLYTE ADSORPTION [35102]

10:15 AM Koretsky, Carla M.*, Sahai, Nita, Sverjensky, Dimitri A.: CALCULATION OF SURFACE SITE DENSITIES ON A VARIETY OF OXIDE AND SILICATE MINERALS USING CRYSTAL STRUCTURES AND MORPHOLOGIES [10144]

10:30 AM Wesolowski, David J.*, Hayashi, Ken-Ichi, Palmer, Donald A., Machenky, Michael L., Benezet, Pascale: SOLUBILITY OF METAL OXIDES TO 250 DEGREES C WITH IN SITU PH MONITORING [30072]

10:45 AM Sherman, David M.*, Oelkers, Eric H., Ragnarsson, K. Vala, Collins, Clare R.: AQUEOUS SPECIATION OF Sn AND Sb CHLORIDE COMPLEXES UP TO 250C: RESULTS FROM IN-SITU EXAFS [51274]

11:00 AM Nagy, Kathryn L.*, Chiarelli, Ronald P., Sturchio, Neil C., Cygan, Randall T.: CLAY FORMATION BY EPITAXIAL NUCLEATION AND GROWTH ON MICA [22459]

11:15 AM Langmuir, Donald*: THE SOLUBILITIES OF AMORPHOUS FORMS OF URANinite AND COFFinite IN REDUCED GROUNDWATERS: IMPLICATIONS FOR NUCLEAR WASTE DISPOSAL [34793]

11:30 AM Shock, Everett L.*, Sassani, David C.: AQUEOUS GEOCHEMISTRY OF ACTINIDE IONS [9592]

11:45 AM Pickrell, Julie M.*, Wood, Scott A.: STABILITY CONSTANTS OF PALLADIUM-HYDROXIDE COMPLEXES AS A FUNCTION OF IONIC STRENGTH (0.1-1M) AND TEMPERATURE (25-850C) [50201]

SESSION NO. 61, 1996 GSA Annual Meeting, Tuesday, October 29, 1996
Geochmistry I: High Temperature and Hydrothermal Geochemistry
Colorado Convention Center, A105-107, 8:00 AM
Juske Horita and Paul Tommusk, Presiding

8:00 AM Cole, David R.*, Fortier, Steven M.: OXYGEN ISOTOPE EXCHANGE IN THE SYSTEMS CARBONATE- WATER AND SHEET SILICATE-WATER: A LINK BETWEEN EXCHANGE RATES AND MINERAL CHEMISTRY [30069]

8:15 AM Horita, Juske*: CARBON ISOTOPE EXCHANGE BETWEEN CO2 AND CH4 AT ELEVATED TEMPERATURES [30293]

8:30 AM Corfield, Richard M.*, Charmley, Norman R., Preston, Derek, Cartlidge, Julie E.: ISOCARB II: A NEW STABLE ISOTOPE RATIO MASS SPECTROMETER ACCESSORY [17718]

8:45 AM Gilliam, Carrie E.*, Valley, John W.: ZIRCON EVIDENCE FOR LOW-180 MAGMA, ISLE OF SKYE, SCOTLAND [24221]

9:15 AM  Deines, Peter*, Haggerty, Stephen: OXYGEN ISOTOPIC COMPOSITIONS OF MINERALS IN ULTRADEEP (>300 KM) AND TRANSITION ZONE XENOLITHS AND THEIR IMPLICATIONS [50761]

9:30 AM  Nadeau, Serge*, Epstein, Samuel, Stolper, Edward M.: WATER CONTENTS AND H ISOTOPES IN APATITE FROM CARBONATITITES AND ALKALINE INTRUSIONS [30456]

9:45 AM  Park, Young-Rok*, Ripley, E. M.: OXYGEN ISOTOPIC STUDIES OF HYDROTHERMAL SYSTEMS LOCATED ABOVE AND BELOW THE DULUTH COMPLEX, MIDCONTINENT RIFT SYSTEM, MINNESOTA [18561]

10:00 AM  Knadler, G.*, Knauth, L. Paul: ORIGIN OF SECONDARY QUARTZ IN A SILICIOL-VOLCANIC COMPLEX; IMPLICATIONS OF O AND H ISOTOPE DATA FOR HYDROTHERMAL DEPOSITION VERSUS LOW TEMPERATURE WEATHERING [29576]

10:15 AM  Young, Edward D.*: DEVELOPMENT OF AN ULTRA VIOLET LASER-ABLATION GAS CHROMATOGRAPHY ISOTOPE RATIO MONITORING OXYGEN ISOTOPE MICROPROBE [29862]

10:30 AM  Beard, Brian L.*, Johnson, Clark M.: HAFNIIUM ISOTOPE EVIDENCE FOR DERIVATION OF CENOZOIC BASIN AND RANGE TYPE BASALTS FROM THE SHALLOW ASTHENOSPHERE [8731]


11:00 AM  Blaylock, Joe*, Smith, Eugene, Holm, Richard: GEOCHEMICAL INVESTIGATION OF SUNSET CRATER, ARIZONA: COMPLEX PETROGENETIC HISTORY OF A LOW-VOLUME MAGMATIC SYSTEM [50182]

11:15 AM  Tomascak, Paul B.: THE USE OF ND ISOTOPES TO EVALUATE GRANITIC PEGMATITE PETROGENESIS [17236]


11:45 AM  Pereira, M. D.*, Hall, A., Shaw, D. M.: PARALLEL BEHAVIOR OF TWO RARE COMPONENTS, BORON AND AMMONIUM, IN THE GENERATION OF AN ANATECTIC COMPLEX IN CENTRAL SPAIN [31659]

SESSION NO. 83, 1996 GSA Annual Meeting, Tuesday, October 29, 1996
Geochemistry (Posters)
Colorado Convention Center, Posters Hall B1, 1:30 PM
Authors will be present from 2:30 to 4:30 PM

Booth #

1  Todd, Clifford S.*: FLUORINE ANALYSIS BY ELECTRON MICROPROBE: CORRECTION FOR IRON INTERFERENCE [50519]

2  Tingle, Tracy N.*, Neuhoff, Philip S., Osterlen, John D., Jones, Robert E., Donovan, John J.: THE EFFECT OF 'MISSING' (UNANALYZED) OXYGEN ON QUANTITATIVE ELECTRON PROBE MICROANALYSIS OF HYDROUS SILICATE AND OXIDE MINERALS [50948]

3  Wampler, J. M.*, Satterfield, D. A.: A MICROANALYTICAL TECHNIQUE FOR POTASSIUM-ARGON DATING WITH LITHIUM METABORATE FLUX [21260]

4  Smith, Harold A.*: TAKING RADIOCENTRIC AGES AND THE DIFFUSION OF DAUGHTER PRODUCTS BEYOND THE CONCEPT OF CLOSURE TEMPERATURE [16641]

5  Gao, Xinheng*, Ji, Kejian: OXYGEN ISOTOPE STUDY OF GRANITES AND MARBLES IN THE VICINITY OF THE SHIZUIYUEAN MINE, HUNAN, CHINA [35177]

6  Sessions, Alex L.*, Brady, John B., Chamberlain, C. Page: EXPERIMENTAL CALIBRATION OF AN OXYGEN ISOTOPE FRACTIONATION FACTOR FOR ZIRCON [50538]

(continued on page 18)
SEVENTH ANNUAL

Y. M. GOLDSCHMIDT
CONFERENCE

June 2–6, 1997
Tucson, Arizona

http://cass.jsc.nasa.gov/goldschmidt.html

The Seventh Annual Goldschmidt Conference will be held at the Westin La Paloma in Tucson, Arizona, from June 2–6, 1997. The conference will be hosted by the University of Arizona's Department of Planetary Sciences/Lunar and Planetary Laboratory and Department of Geosciences. Dr. Michael J. Drake is the Conference Chair, and Dr. Joaquin Ruiz is the Program Committee Chair. Current sponsors include the Lunar and Planetary Institute, The University of Arizona, and the National Aeronautics and Space Administration.

The Goldschmidt Conference is an international conference of 400–600 geochemists, and is held alternatively in Europe and North America. The content of the meeting reflects to some extent the host institution(s). The Department of Planetary Sciences/Lunar and Planetary Laboratory is dedicated to the goal of research and teaching about the formation and evolution of the planetary system and its constituent objects and processes. The Department of Geosciences focuses on research and education dealing with the nature, genesis, and history of the Earth and its crust.

The city of Tucson is located in Pima County, Arizona. It is 116 miles south of Phoenix, the state capital, and is about 65 miles north of the U.S.-Mexico border. Located in the Basin and Range province near the Colorado Plateau, the southern Rocky Mountains, and the Gulf of California, Tucson offers a remarkable natural setting for field studies. Arizona is famous for its warm, dry climate, with an
INDICATION OF INTEREST

Seventh Annual
V. M. Goldschmidt Conference

June 2–6, 1997
Tucson, Arizona

PLEASE RETURN BY
November 8, 1996

For future information regarding logistics, registration, and abstract submission, please complete and return this form to the address shown at right.

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The rugged beauty of the Santa Catalina mountains provides a lush backdrop for the Westin La Paloma, the site of the Seventh Annual V. M. Goldschmidt Conference.

average June minimum temperature of 67°F (19°C), an average June maximum temperature of 99°F (37°C), a relative humidity of 13%, and almost no chance of rain (June average = 0.22 inches).

The program committee welcomes your suggestions for potential symposia topics, and solicits volunteers to act as symposia organizers. Please send your suggestions for topics and offers to organize to goldcon@lpi.arizona.edu.

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**Deadlines**

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<tr>
<td>November 8, 1996</td>
<td>Indication of Interest forms due at LPI</td>
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<tr>
<td>early January 1997</td>
<td>Second announcement, including logistical and registration information</td>
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<td>February 21, 1997</td>
<td>Abstract deadline</td>
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<tr>
<td>early April 1997</td>
<td>Final announcement</td>
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<td>May 2, 1997</td>
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<td>June 2–6, 1997</td>
<td>Seventh Annual Goldschmidt Conference</td>
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Werner, Cindy*, Hickmott, Donald. Stimac, James A.: TRACE ELEMENT DISTRIBUTIONS IN THE UPPER BANDELIER TUFF, NEW MEXICO: RELEVANCE OF ZIRCON TO THE MAGMATIC EVOLUTION OF THE VALLES SYSTEM [50198]

White-Pinilla, Kimberly C.*, Wendlandt, Richard F.: CHARACTERIZATION OF FENITIZING FLUIDS AT THE IRON HILL CARBONATITE COMPLEX, GUNNISON COUNTY, COLORADO [30487]

Berrnan, Kathi K.+: SECONDARY SILICA AND HEMATITE AS A PROXY FOR POTASSIUM METAMORPHISM: WHIPPLE MOUNTAINS, CA AND SOCORRO, NM [4703]

Cullers, Robert L.*: THE PROVENANCE FOR THE SANGRE DE CRISTO, BELDEN AND MAROON FORMATIONS FORMED IN THE CENTRAL COLORADO TROUGH DURING THE PENNSYLVANIAN-LOWER PERMIAN [22850]


Rouhi, Joyanto*, Grossman, Ethan L., McDonald, Thomas J.: GEOCHEMISTRY OF SEDIMENTARY AND DISSOLVED ORGANIC MATTER IN YEGUA FORMATION, EAST-CENTRAL TEXAS [51113]

Ziegler, Karen*, Longstaffe, Fred J.: ISOTOPIC EVIDENCE FOR THE ORIGIN OF CLAY ALTERATION AT THE PRECAMBRIAN/Paleozoic UNCONFORMITY, NE APPALACHIAN BASIN [50449]


Mcintosh, Julie M.*, Great, Lee A.: BACTERIALLY-ASSISTED WEATHERING OF SULFIDE MINERAL SURFACES IN AN AQUEOUS ACID SULFATE MEDIUM [11487]

Cooper, D. Craig*, Morse, John W.: BIOGEOCHEMICAL CONTROLS ON TRACE METAL CYCLING IN ANOXIC MARINE SEDIMENTS [50601]

Ikramuddin, Mohammed*: USE OF LEAD ISOTOPES TO IDENTIFY THE SOURCE OF LEAD CONTAMINATION IN RIVERS, LAKES AND GROUNDWATERS [11724]

Macko, Stephen A.*, Uhle, Maria E., Engel, Michael H.: STABLE NITROGEN ISOTOPE ANALYSES OF INDIVIDUAL AMINO ACID STEREOISOMERS [50477]


Fish, Susan*, Brassard, Pierre: CADMIUM SORPTION ON SETTLED AND RESUSPENDED SEDIMENTS [50991]

SESSION NO. 86, 1996 GSA Annual Meeting, Tuesday, October 29, 1996
GS Symposium (S12): Geochemical Constraints on Seawater Composition and the Coupled Ocean-Atmosphere System: The Precambrian Revisited
Colorado Convention Center, A201, 1:30 PM
Timothy W. Lyons and Tracy D. Frank, Presiding

1:30 PM Bowring, Samuel A.*, Coleman, Drew S.: EARLY EARTH'S CONTINENTS [51026]

Newsletter of The Geochemical Society
1:50 PM Grotzinger, John P.*: CONSTRAINTS ON THE COMPOSITION OF PRECAMBRIAN SEAWATER FROM THE RECORD OF CARBONATES AND EVAPORATES [35978]


2:30 PM Sumner, Dawn Y.*: EVIDENCE FOR LOW LATE ARCHEAN ATMOSPHERIC OXYGEN FROM OCEANIC DEPTH GRADIENTS IN IRON CONCENTRATION [50103]

2:50 PM Ohnato, Hiroshi*: EVIDENCE OF PRE-2.2 GA PALEOSOLS AND SHALES OF THE EARLY DEVELOPMENT OF AN OXIC ATMOSPHERE AND TERRESTRIAL BIOSPHERE [7202]

3:10 PM Kuh, Linda C.*: PRESERVATION OF DEPOSITIONAL δ18O SIGNATURES IN PROTEROZOIC DOLOMITES: GEOCHEMICAL CONSTRAINTS ON SEAWATER CHEMISTRY AND ENVIRONMENT OF EARLY DIAGENESIS [36926]


4:50 PM Derry, Louis*: Kennedy, Martin, Kurtz, Andrew: UNDERSTANDING VERTICAL δ13C GRADIENTS: THE NEOPROTEROZOIC EXAMPLE [38182]


SESSION NO. 115, 1996 GSA Annual Meeting, Wednesday, October 30, 1996

Igneous Petrology I
Colorado Convention Center, C209, 8:00 AM
Daniel S. Barker and Robert F. Dynek, Presiding

8:00 AM Dynek, Robert F.*, Owens, Brent E.: PETROGENETIC RELATIONSHIPS AMONG "FTP-ROCKS" OF THE ANORTHOSITE SUITE (NELSONITES, OAGINS, IOTUNITES & OXIDE ORES) AS REVEALED BY REE CHARACTERISTICS OF SEPARATED APATITES [4135]


8:45 AM Cullisot, Catherine E.*, MAGMA CHAMBER DIMENSIONS DURING CRYSTALLIZATION OF GABBRO-NORITE ZONE III, UPPER BANDED SERIES, STILLWATER COMPLEX, MONTANA [50835]

9:00 AM Meurer, W. P.*, Boudreaux, A. E.: QUANTITATIVE PETROFABRIC ANALYSIS OF VARIABLY FOLIATED CUMULATES IN THE STILLWATER COMPLEX, MONTANA [50494]

Barker, Daniel S.*, McMahon, Amy K.: INJECTION AND DRAINING OF MAGMA IN A XENOLITH-RICH SILL, TEXAS [20017]

Miller, James D., Jr.*: VENTING OF HYDROUS MAGMAS FROM SHALLOW MAFIC LAYERED INTRUSIONS; EVIDENCE FROM THE DULUTH COMPLEX AT DULUTH, MINNESOTA [23636]

Hoover, Sarah*, Ginn, Fred, Fodor, R. V.: MAGMA-RESERVOIR CRYSTALIZATION PROCESSES: SMALL-SCALE DIKES IN CUMULATE GABBRO, MAUNA KEA VOLCANO, HAWAII [4827]

Dingwell, Donald B.*: MAGMAS AT HIGH STRAIN RATES: IMPLICATIONS FOR EXPLOSIVE VOLCANISM [35155]

Smith, Douglas*, Riter, J. C. Alexic: GENESIS AND EVOLUTION OF LOW-AL ORTHOPYroxene IN SPINEL PERIDOTITE XENOLITHS, GRAND CANYON FIELD, ARIZONA [50100]


SESSION NO. 124, 1996 GSA Annual Meeting, Wednesday, October 30, 1996

T33. Geostrains: The Role of Fluids in Crustal Processes - Part I
Colorado Convention Center, C207, 8:00 AM
Mark Person and Emi Ito, Presiding

INTRODUCTION

8:15 AM

8:30 AM

8:45 AM
Morris, George A.*, Nesbitt, Bruce E., Muehlenbachs, K.: PALEOHYDROGEOLOGY OF THE NAHANNI RIVER REGION, NWT, CANADA: RESOLVING MULTIPLE EVENTS FROM A LONG AND COMPLEX FLUID HISTORY [35117]

9:00 AM

9:15 AM
Gordon, David S.*, Flemings, Peter B.: ONE AND TWO DIMENSIONAL MODELING OF COMPACTION DRIVEN FLUID FLOW IN A PLIO-PLEISTOCENE GROWTH-FAULTED BASIN, OFFSHORE LOUISIANA [50809]

9:30 AM
Strayer, Luther M.*, Hudleston, Peter J.: COUPLED FLUID-FLOW AND DEFORMATION ASSOCIATED WITH FOLDING AT THRUSt Ramps: INITIAL RESULTS AND OBSERVATIONS [22624]

9:45 AM

10:00 AM

10:15 AM
Wetzel, Laura Reiser*, Shuck, Everett L.: NUMERICAL MODELING OF HYDROTHERMAL CIRCULATION THROUGHOUT THE OCEANIC CRUST SUGGESTS A SPREADING RATE DEPENDENCE OF FLUID AND HEAT FLOW PATTERNS [27194]

10:30 AM
Seyfried, William E., Jr.*, Chen, Xian, Chan, Lai-Hueung: EXPERIMENTAL CONSTRAINTS ON TRACE ELEMENT MOBILITY AND LI ISOToPE EXCHANGE DURING HYDROTHERMAL ALTERATION OF SEAFLOOR WEATHERED BASALT [50493]

10:45 AM
Gerdes, M. L.*, Baumgartner, L. P., Person, M.: FLUID CONVECTION IN HETEROGENEOUS COUNTRY ROCKS DURING CONTACT METAMORPHISM [50918]

Newsletter of The Geochemical Society
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<tr>
<th>Time</th>
<th>Author(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>11:00 AM</td>
<td>Tacinelli, John C., Jr.*, Bo, Emi</td>
<td>MAJOR AND TRACE ELEMENT SHIFTS IN HYDROTHERMAL VEINS FROM BASALT XENOLITHS, CUILLIN COMPLEX, ISLE OF SKYE, NW SCOTLAND [50583]</td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Bergfeld, Deborah*, Goff, Fraser, Janik, Cathy J.</td>
<td>FLUID-ROCK INTERACTION AND CO2 GENERATION WITHIN THE GEYSERS-CLEAR LAKE GEOTHERMAL REGION OF NORTHERN CALIFORNIA [35846]</td>
</tr>
<tr>
<td>11:45 AM</td>
<td>Markl, Gregor*, Bucher, Kurt</td>
<td>SALINE BRINES IN THE LOWER CRUST OF LOFOTEN, NORWAY - EVIDENCE FROM CL-RICH HYDROSILICATES [1568]</td>
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**SESSION NO. 131, 1996 GSA Annual Meeting, Wednesday, October 30, 1996**

*Geochemistry II: Low Temperature Geochemistry*

Colorado Convention Center, C209, 1:30 PM

*Louis Derry and Claudia L. Mora, Presiding*

<table>
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<tr>
<th>Time</th>
<th>Author(s)</th>
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<tbody>
<tr>
<td>1:30 PM</td>
<td>Rye, Rob*, Holland, Heinrich D.</td>
<td>CARBON DIOXIDE, METHANE, AND OXYGEN IN EARLY ATMOSPHERE [35946]</td>
</tr>
<tr>
<td>1:45 PM</td>
<td>Moulton, Katherine L.*, Berner, Robert A.</td>
<td>THE EFFECT OF HIGHER LAND PLANTS ON THE WEATHERING OF CALCIUM AND MAGNESIUM SILICATES IN ICELAND [25867]</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Fermann, E. J.*, Derry, L. A., Moore, A.</td>
<td>A HIGH RESOLUTION CARBON ISOTOPE STRATIGRAPHY OF MIDDLE CAMBRIAN CARBONATES AND A POSSIBLE CORRELATION BETWEEN THE NORTH AMERICAN CORDILLERA AND THE SIBERIAN CRATON [36924]</td>
</tr>
<tr>
<td>2:30 PM</td>
<td>Moore, A. *, Duncan, K., Derry, L.</td>
<td>CARBON ISOTOPE VARIATIONS ACROSS THE TRIASSIC-JURASSIC BOUNDARY [38184]</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Mora, C. I.*, Driese, S. G., King, D. C.</td>
<td>INTERPRETING THE CARBON ISOTOPE SIGNATURE OF PEDOGENIC CARBONATE IN LATE SILURIAN PALEOSOLs [11440]</td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Azmy, Karem*, Veizer, Jan, Basset, Mike G., Copper, Paul</td>
<td>ISOTOPIC COMPOSITION OF SILURIAN BRACHIOPODS AND SILURIAN SEAWATER [26673]</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Farmer, G. Lang*, Ball, Theodore T.</td>
<td>SOURCES OF MIDDLE PROTEROZOIC TO EARLY CAMBRIAN SILICILASTIC SEDIMENTS IN THE GREAT BASIN: A ND ISOTOPE STUDY [33576]</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Chesley, John*, Styllings, Lisa L., Brantley, Susan L.</td>
<td>RATE OF RELEASE AND ISOTOPIC SIGNATURE OF STRONTIUM DURING DISSOLUTION OF FELDSPAR AT 25°C AND PH-3 [29231]</td>
</tr>
<tr>
<td>3:45 PM</td>
<td>Williams, L. B.*, Hervig, R. L., Bjorlykke, K.</td>
<td>THE ORIGIN OF QUARTZ CEMENTS IN HYDROCARBON RESERVOIRS, OFFSHORE NORWAY: EVIDENCE FROM O-ISOTOPE MICROANALYSES [27358]</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Tuttle, Michele L. W.*, Clayton, Jerry L.</td>
<td>A SYSTEMATIC APPROACH USING SULFUR ISOTOPES TO INVESTIGATE CONTROLS ON THE SULFIDIZATION OF ORGANIC MATTER IN IMMATURE PETROLEUM SOURCE ROCKS [50834]</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Ku, Tim C. W.*, Walter, Lynn M., Blake, Ruth E., Martini, Anna M.</td>
<td>ROLE OF SULFUR CYCLING IN THE EARLY MARINE DIAGENESIS OF CARBONATES: NEW CONSTRAINTS FROM THE OXYGEN AND SULFUR ISOTOPE COMPOSITION OF SULFATE [18037]</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Kohn, Matthew J.*, Schoeninger, Margaret J., Valley, John W.</td>
<td>OXYGEN ISOTOPE VARIATIONS IN TOOTH ENAMEL: A MEASURE OF SEASONALITY [27487]</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Yapp, Crayton J.*, A POSSIBLE CONSTRAINT ON MINIMUM ATMOSPHERIC OXYGEN PARTIAL PRESSURES IN THE PHANEROZOIC FROM CARBON ABUNDANCES IN OOLITIC GOETHITE (FeOOH) [50141]</td>
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*Newsletter of The Geochemical Society*
SESSION NO. 147, 1996 GSA Annual Meeting, Wednesday, October 30, 1996
T33. Geofluids: The Role of Fluids in Crustal Processes - Part II (Posters)
Colorado Convention Center, Posters Hall B1, 1:30 PM
Authors will be present from 2:30 to 4:30 PM

Booth #
86  Gardner, Rebecca D.*, Crosey, Laura J.: HYDROGEOCHEMISTRY OF LATE PLEISTOCENE TO RECENT TRAVERTINE DEPOSITS AND WARM SPRINGS, EASTERN SAN JUAN BASIN, NEW MEXICO [27415]
87  Tempel, Regina N.*, Herring, Donna M.: MISSISSIPPIAN CHAINMAN SHALE IN THE UE17E CORE, NYE COUNTY, NEVADA: STUDY OF SHALE DIAGENESIS AND ESTIMATION OF PALEOFLOW COMPOSITIONS [30795]
89  Hasbargen, L. E.*, Paula, C.: EFFECTS OF LITHOLOGIC CONTRAST, REGIONAL SURFACE SLOPE, AND UPLIFT RATE ON BURIED CHANNEL EXCAVATION AND REOCUPLATION IN A TWO-LAYER LANDFORM EVOLUTION MODEL. [50647]
93  Diehl, S. F.*, Humphrey, J. D., Anderson, R. E., Nealey, D.: GEOCHEMICAL AND PETROGRAPHIC EVIDENCE FOR FLUID FLOW AND DISSOLUTION IN SOME LOW-ANGLE NORMAL FAULTS, UTAH AND NEVADA [30739]

SESSION NO. 178, 1996 GSA Annual Meeting, Thursday, October 31, 1996
Aqueous Geochemistry III: Geochemistry of Surface and Groundwaters
Colorado Convention Center, C109, 1:30 PM
Alex E. Blum and Kevin H. Johannesson, Presiding

1:45 PM  Wood, Scott A.*, van Middlesworth, Paul: GEOCHEMISTRY OF REE, U AND TH IN THERMAL WATERS ON THE PERIPHERY OF THE IDAHO BATHOLITH. PART II REE SPECIATION AND MONAZITE SOLUBILITY MODELING [50163]
2:00 PM  Gimeno, Maria-Jordi*, Augue, Luis F., Nordstrom, D. Kirk, Bruno, Jordi: RARE EARTH ELEMENT (REE) GEOCHEMISTRY AND THE TETRAD EFFECT IN THE NATURALLY ACIDIC WATERS OF ARROYO DEL VAL, NORTHEASTERN SPAIN [18314]
2:15 PM  Holloway, JoAnn M.*, CHEMICAL WEATHERING OF AMMONIUM MINERALS: IMPLICATIONS FOR NITROGEN CYCLING [50180]
2:30 PM  Blum, Alex E.*, McKnight, Diane M., Lyons, W. Berry: SILICATE WEATHERING RATES ALONG A STREAM CHANNEL DRAINING INTO LAKE FRYXELL, TAYLOR VALLEY, ANTARCTICA [18319]

Newsletter of The Geochemical Society
The Geochemical News, #91, Fall, 1996

2:45 PM Kirby, Carl S.*, Elder, Jennifer A.: IRON OXIDATION AND PRECIPITATION RATES USING A NOVEL FIELD MIXED-FLOW REACTOR IN ACID MINE DRAINAGE [38040]

3:00 PM Carey, J. William*, Chipera, Steve J., Bish, David L.: THE EFFECT OF CATION EXCHANGE AND DEHYDRATION ON CLINOPTILOLITE-ANALCIME EQUILIBRIA: APPLICATION TO YUCCA MOUNTAIN, NEVADA [51054]


3:30 PM Johannesson, Kevin H.: SOLUTION AND SURFACE COMPLEXATION OF THE RARE EARTH ELEMENTS AND IMPLICATIONS FOR THEIR USE AS GEOCHEMICAL TRACERS OF REGIONAL GROUNDWATER MIXING [8504]

3:45 PM Bundy, Maria E.*, Oreskes, Naomi, Haunchar, John M.: ORIGIN OF CONVEX-UPWARD RICE TREND IN BOG SEEP AND MINE EFFLUENT WATERS IN PARADISE BASIN, SAN JUAN MOUNTAINS, CO. [51239]

4:00 PM Berger, A. C.*, Bethke, C. M., Krumpal, J. L., Brady, P. V.: CONTROLS ON HEAVY METAL MOBILITY AT THE PECOS MINE OPERABLE UNIT, NEW MEXICO [51048]

4:15 PM Martel, A. Thomas*, Gibling, Martin R., Kennedy, Angela, MacLeod, Glenn, Baechler, Fred: SPATIAL TRENDS IN BRINE CHEMISTRY FROM THE SHALLOW SUBSEA AREA OF THE CARBONIFEROUS SYDNEY BASIN, NOVA SCOTIA, CANADA [50781]

4:30 PM Dunn, Shannon M.*, Aller, Robert C.: HORIZONTAL AND VERTICAL TRANSPORT OF SOLUTES IN THE BIOTURBATED ZONE OF MARINE SEDIMENTS [50827]


5:00 PM Donahoe, Rona J.*, Jones, Steven C., Liu, Chongxuan: EFFECTS OF DRAINING ON WETLAND SEDIMENT AND FRESHWATER CHEMISTRY [50921]

5:15 PM Rao, Ushar*, Fehn, Udo, Teng, Ray: THE PRESENCE AND PENETRATION DEPTH OF NUCLEAR FUEL REPROCESSING RELATED IODINE-129 IN SOILS OF WESTERN NEW YORK [16942]

EUROPEAN UNION OF GEOSCIENCES (EUG)

EUG 9

Sunday 23 March to Thursday 27 March 1997
Strasbourg - France

The EUG biennial convention is a well-established event attracting scientists from all over Europe and increasing numbers from the rest of the world. Each meeting is organized by a different European country. France organized the first meeting in 1981, then Germany, UK, Switzerland, Norway, Italy, The Netherlands, and France again in 1995. Once again it is Germany's turn in March of 1997. EUG 9 will feature a combination of interdisciplinary symposia, forums, special and open sessions:

Union symposia

U 1 Core and lower mantle: Structure, composition and dynamics (co-sponsored by SEDI)

U 2 Global seismic tomography, mineral physics and geodynamics (co-sponsored by SEDI)

U 3 Hot spots and mantle plumes

U 4 Quantifying timescales of Earth and planetary processes

U 5 Continents and their mantle roots: Structure, properties and evolution

U 6 Dynamics of deep subduction

U 7 Orogenic processes

U 8 EUROPROBE: Lithosphere dynamics across Europe (organized and co-sponsored by Europrobe)

U 8.1 URALIDES - Palaeozoic collisional orogeny between Baltica and Asian terranes

U 8.2 SVEKALAPKO and EUROBRIDGE - Evolution of Palaeoproterozoic and Archaean lithosphere

U 8.3 The East European Craton and its margins - Intraplate tectonics and basin dynamics

U 8.4 Trans-European Suture Zone (TESZ) - Phanerozoic accretion and evolution of contrasted continental lithosphere

U 8.5 PANCARDI - The Pannonian-Carpathian-Dinaride System - Dynamics of ongoing orogeny

U 9 Supercontinent construction and destruction

Newsletter of The Geochemical Society
U 10 The role of water in driving geological processes
U 11 Modern modelling trends in tectonics
U 12 Basin modelling: integration of geophysics and sedimentology
U 13 Volcanic eruptions: causes and consequences
U 14 Physics and chemistry of partially molten rocks
U 15 Polar Earth sciences
  a. Arctic
  b. Antarctic
U 16 Geological hazards for megacities
U 17 Active tectonics and quantitative geomorphology
U 18 Global carbon cycle
U 19 Climatic, oceanographic and tectonic forcing of sedimentary systems
U 20 Biogeochemistry and climatic history of depositional environments
U 21 Bioconstructions
U 22 Environmental geoscience: from resource to recycling
U 23 Nuclear waste management in Earth sciences

Special Sessions
S 1 Interpretation of marine gravity data
S 2 Earthquake prediction
S 3 Seismotectonics
S 4 Recent advances in magnetostratigraphy and rock magnetism
S 5 Evolution of accretionary wedges and foreland basins
S 6 Tectonics of the Caledonian/Appalachian orogen and the palaogeochemistry of Iapetus
S 7 Dynamics of active margins and collision zones
S 8 Proterozoic collision belts in the North Atlantic Region (co-sponsored by IGCP Project 371)
S 9 Cratonization and relationship between cratons and high-grade mobile belts in the Precambrian
S 10 Strain and fabrics
S 11 Suture zones - modern and ancient
S 12 Crustal rotations: Causes and consequences
S 13 Palaeoclimatic, palaeoclimatology and tectonics of the Mediterranean region
S 14 Mountain uplift and climate change
S 15 Transformations and reactions in minerals (co-sponsored by EMU)
S 16 Cation ordering in rock-forming silicates
S 17 Ferric iron and oxygen fugacity
S 18 Internally consistent data bases: promises and perils
S 19 New developments of analytical techniques
S 20 Microbeam trace element analysis; a tool for understanding geological processes
S 21 Generation of granitic rocks and deep crustal processes
S 22 Island arc magmatism
S 23 Water and melts
S 24 Dating metamorphism and deformation
S 25 Post-collisional magmatism
S 26 Ocean ridge processes
S 27 Large igneous provinces and Earth’s evolution
S 28 Processes of ore formation in the magmatic environment
S 29 Hydrothermal systems, alteration, and ore deposition
S 30 Aqueous geochemistry, thermodynamics and kinetics of low temperature water-rock interaction
S 31 Very low-grade metamorphism
S 32 Characterization of ancient depositional environments by molecular organic geochemistry
S 33 Weathering processes: Mineral deposits and soil formation in tropical environments
S 34 Turbidite deep-sea fans
S 35 Advanced techniques in provenance analysis of sedimentary rocks
S 36 Particle flux and its preservation in deep-sea sediments
S 37 Proxies in palaeoceanography and palaeoclimatology
S 38 Lacustrine systems as archives of climatic and tectonic events
S 39 High resolution biochronological and integrated timescales
S 40 Palaeodiversity
S 41 Events and extinctions
S 42 Environmental mineralogy (co-sponsored by EMU)
S 43 Geomechanics of porous rocks
S 44 Hydrogeology in crystalline rocks
S 45 Groundwater protection (co-sponsored by IAH)
S 46 Environmental engineering
S 47 Anthropogenic contaminants in aquatic and sedimentary environments
S 48 Anthropogenic impact on weathering processes (co-sponsored by IGCP Project 405)

Deadlines
Submission of abstracts 15 Nov. 1996
Application for grants 30 Nov. 1996
Registration w. payment 31 Nov. 1996
(late registration will be 30% higher)

Contact address
EUG 9 Office
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5 rue René Descartes
67084 Strasbourg Cedex
FRANCE
telephone: 33 88 41 63 93 or 33 88 45 01 91
from 19 Oct. 1996: 33 (0)3 88 41 63 93
or 33 (0)3 88 45 01 91
telefax: 33 88 60 68 87
from 19 Oct. 1996: 33 (0)3 88 60 68 87
e-mail: eug@eopg.unistra.fr
www: http://sparc.igp-ujussieu.fr/EUG/

Newsletter of The Geochemical Society
Calendar of Meetings

Sep. 29-Oct. 2, 1996: Geothermal Resources Council 1996 Annual Meeting, Geothermal Development in the Pacific Rim, Portland, Oregon, Portland Marriott Hotel. Contact: Geothermal Resources Council, P.O. Box 1350, 2001 Second Street, Suite 5, Davis, California 95617-1350 USA, Tel. 916-758-2360, Fax 916-758-2839, Email: georess@wheel.cdm.davis.ca.us

Sep. 29-Oct. 4, 1996: Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) 23rd Annual Conference, Kansas City, MO. Contact: FACSS, 201B Broadway St., Frederick, MD 21701-6501, Tel. 301-846-4797 (deadline for 100 word brief: March 29, 1996).

Oct. 2-4, 1996: Gulf Coast Association of Geological Societies and Gulf Coast Section SEPM Meeting, San Antonio, TX. Contact: Thomas E. Ewing, Venus Exploration, 700 N. St. Mary's, San Antonio, TX 78205, Tel. 210-222-9481, Email: sa96@aol.com

Oct. 7-11, 1996: Environmental Issues and Waste Management in Energy and Mineral Production, 4th International Symposium, Cagliari, Italy. Contact: R. Cicco, Dipartimento di Geologiegea et Tecnologie Ambientali, Universita degli Studi di Cagliari, Piazza d'Armi; 09 123 Cagliari, Italy; Tel. 39 7022 2317; Fax 39 7027 2031

Oct. 8-11, 1996: Large and Unique Deposits of Rare and Precious Metals, International Symposium, St. Petersburg, Russia. Contact: Y. B. Marin, St. Petersburg State Mining Institute, 21—th Line, 2, V.O., St. Petersburg 199026, Russia; Tel. 7-812-2188247, Fax 7-812-2132613; Email: marin@mineral.spb.su

Oct. 13-15, 1996: 27th Underwater Mining Institute Conference, Washington, D.C., USA. Sponsors: International Marine Minerals Society; Marine Minerals Technology Center; Hawaii Natural Energy Institute, University of Hawaii. Contact: K. C. Morgan, Underwater Mining Institute, c/o Marine Minerals Technology Center, 811 Olonomani St., Honolulu, HI 96813 USA; Tel. 808-522-5611; Fax 808-522-5618; Email: 70673.534@compuserve.com

Oct. 16-18, 1996: Lunar and Planetary Institute, Workshop on Evolution of Igneous Asteroids: Focus on Vesta and the HED Meteorites, Houston, TX, USA. Contact: D. Mittlefehldt, Email: duck@smail.jsc.nasa.gov or J. Papike, Email: jpapike@umn.edu

Oct. 20-25, 1996: International Workshop, Interactions of Small Solutes with Materials of Environmental Relevance, Monte Verità, Ascona, Switzerland. Conference is limited to 40 participants (in addition to speakers). (Deadline for registration and receipt of poster abstracts: September 1, 1996) Contact: M. Borkovec, ETH ITO, Grabenstrasse 3, CH-8952 Schlieren, Switzerland; Tel. (+41) 1 633 6003; Fax (+41) 1 633 1118; Email: borkovec@wawona.vmemail.ethz.ch

Oct. 21-24, 1996: 11th Annual Conference on Contaminated Soils: Analysis, Fate, Environmental and Public Health Effects and Remediation, Amhurst, MA, USA. Sponsors: U.S. Department of Energy, Association for the Environmental Health of Soils; others. Contact: L. Rosen, Environmental Health and Sciences, N344 Morrill, University of Massachusetts, Amhurst, MA 01003; Tel. 413-545-2934; Fax 413-545-4692.

Oct. 21-24, 1996: National Institute of Oceanography, International Symposium on Geology and Geophysics of the Indian Ocean, Goa, India. Contact: Ch. M. Rao, Tel. 91-832-221380, Fax 91-832-223340; Email: mrsao@bcgoaernet.in

Oct. 25-30, 1996: European Research Conference, Water Treatment Processes, Aghia Pelagia, Crete. Contact: J. Hendekovic, Tel. 33-88-767135, Fax 33-88-366987, Email: euresco@esf.org; http://www.esf.org/euresco

Oct. 25-27, 1996: Mineralogical Society of America, Short Course: Reactive Transport in Porous Media: General Principles and Application to Geochemical Processes, Golden, CO, USA. Contact: P. C. Lichtner, Email: lightner@swri.edu; C. I. Steefel, Email: steefel@margaux.cas.usf.edu; E. H. Oelkers, Email: oelkers@cit.cict.fr

Oct. 26-27, 1996: Society of Economic Geologists, Application of Microanalytical Techniques to Understanding Mineralizing Processes, Florissant, CO, USA. Contact: M. A. McKibben, Email: michael.mckibben@ucr.edu; http://rgpp2413a.ucr.edu or W. C. Shanks, Tel. 303-236-2497, Email: pshanks@helios.cr.usgs.gov

Oct. 27-31, 1996: Geological Society of America Annual Meeting, Denver, CO, USA. Contact: GSA Meetings Dept., P.O. Box 9140, Boulder, CO 80301, Tel. 303-447-2020 or 800-472-1988 (USA only), Email: meetings@geosociety.org, URL: http://www.aescon.com/geosociety/index.html (abstract deadline: July 9, 1996)

Oct. 29, 1996: Geochemical Society, Geochemistry of the Precambrian, Denver, CO, USA. Contact: T. Lyons, Tel. 573-882-6328, Fax 573-882-5458, Email: geolit@showme.missouri.edu or T. Frank, Tel. 313-764-1435, Fax 313-763-4690, Email: tdfrank@umich.edu

Nov. 6-8, 1996: The 18th New Zealand Geothermal Workshop, Auckland, New Zealand. (Deadline: June 18, 1996) Contact: Geothermal Institute, The University of Auckland, Private Bag 92019, Auckland, New Zealand, Tel. 64-9-373-7599, ext. 7050; Fax 64-9-373-7436


Nov. 11-14, 1996: Physical Research Laboratory International Conference, Isotopes in the Solar System, Navrangpura, Ahmedabad, India. Contact: J. N. Goswami, Tel. 91-79-462-129; Fax 91-79-6560502; Email: isotope@prlernet.in

Nov. 11-15, 1996: Comparative Evolution of PeriTethyan Rift Basins, Cairo, Egypt. Contact: W. Cavazza, Dept. Earth and Geoenvironmental Sciences, University of Bologna, Italy; Fax +39 51 243336; Email: cavazza@geomin.unibo.it

Nov. 18-21, 1996: 2nd International Symposium: Environmental Geochemistry in Tropical Countries, Cartagena, Colombia. Contact: Gloria Prieto R., Luis E. Lesmes, Conference Secretariat and Information, INGEMINAS, Diagonal 53 No. 34-53, Santafé de Bogotá D. C., Colombia; Fax 57(1) 2220797 - 57(1) 2220650; Email: <ingeomin@cncnet.unicandes.edu.co>, <ingeomin@colciencias.gov.co>


Nov. 20-22, 1996: 2nd Annual Strategic Environmental Research and Development Program Symposium, Vienna, VA USA. Contact: Erin Cannelli, Labat-Anderson Inc., 8000 Westpark Dr., Ste. 400, McLean, VA 22102; Tel. 703-506-1400 ext. 512; Fax 703-506-0946; Email: Erin_Cannelli@lablat.com

Dec. 2-5, 1996: The Third Marine and Estuarine Shallow Water Conference: The Interrelationship Among Habitats and Their Management, Atlantic City, N.J., USA. Contact: E. Ambrogio, Tel. 215-597-3697; Fax 215-597-1850, Email: ambrogio.edward@epamail.epa.gov

Dec. 6-11, 1996: European Research Foundation, 1st Euroconference on Geochemistry of Surficial and Crustal Fluids, Seefeld, Tyrol, Austria. Contact: K. V. Ragnarssdottir, Email: vala.ragnarssdottir@bris.ac.uk; E. H. Oelkers, Email: oelkers@cix.cict.fr; J. Hendekvik, Email: euresc@esf.c-strasbourg.fr


Dec. 18, 1996: Computer Modelling Inorganic Chemicals, Scientific Societies Lecture Theatre, London. Contact: Dr. Philip C. H. Mitchell, Dept. Of Chemistry, University of Reading, Whiteknights, Reading RG6 2AD, UK; Email: p.c.h.mitchell@reading.ac.uk or scsmitch@reading.ac.uk; Tel. +44 (0) 1734 875123 x7448 or x6591 (secretary), Fax +44 (0) 1734 311610
Jan. 13-17, 1997: Tailings and Mine Waste '97, Fort Collins, CO, USA. Contact: L. Hinshaw, Dept. Of Civil Engineering, Colorado State University, Fort Collins, CO 80523-1372 USA; Tel. 970-491-6081; Fax 970-491-3584; Email: lhinshaw@vines.colostate.edu

Jan. 19-24, 1997: IAVCEI General Assembly, High-Level Silicic Magmatism and Related Hydrothermal Systems, Puerto Vallarta, Mexico. Contact: R. Selvamann, Dept. of Earth Sciences, Carleton University, 1125 Colonel By Drive, Ottawa, ON, K1S 5B6 CANADA, Fax 613-520-4490, Email: selbr@esc.mm.ouc.ca; or B. Lehmann, Technische Universitat Clausthal, Adolph-Roemer-Str. 2A, 38678 Clausthal-Zellerfeld, GERMANY, Fax 49 5323 72 2321, Email: lehmann@imrtr.tu-clausthal.de; or J. Lowenstein, US Geological Survey, Volcanic Hazards Team, Mail Stop 910, 345 Middlefield Road, Menlo Park, CA 94025, USA, Fax 415-329-5203, Email: jlwstrn@usgs.gov (abstract deadline: September 1, 1996).

Feb. 2-7, 1997: American Meteorological Society 77th Annual Meeting, Long Beach, CA USA. Contact: Evelyn Mazur, American Meteorological Society, 45 Beacon St., Boston, MA 02108-3693; Tel. 617-227-2426 ext. 204

Feb. 2-7, 1997: State of the Arc '97, Island Arcs Magma Genesis Workshop, Mawson Laboratories, Dept. Of Geology and Geophysics, University of Adelaide, South Australia. Contact: Gerald Buttlefield; Tel. 61-8-303-5844; Fax 61-8-303-4347; Email: gbuttlefield@geology.adelaide.edu.au

Feb. 2-7, 1997: Third Conference on Atmospheric Chemistry, Long Beach, CA, USA. Sponsors: American Meteorological Society, AGU. Contact: Chris Walcek, ASRC, State University of New York at Albany, 100 Fuller Rd., Albany, NY 12205, Tel. 518-442-3840, Fax 518-442-9071; Email: walcek@contrail.ascr.albany.edu (abstract deadline: July 1, 1996)

Feb. 3-16, 1997: Flood Basalts, Rifting and Paleoclimates in the Ethiopian Rift and the Afar Depression, Addis Ababa, Ethiopia. (Abstract deadline: Nov. 30, 1996) Contact: S. Nadir, INSU, 3 rue Michel-Ange 75016, Paris, France; Tel. 33-1-44-96-43-72; Fax 33-1-44-96-49-65; Email: sofiad@cnrs.dir.fr

Feb. 9-12, 1997: 1997 International Containment Technology Conference and Exhibition, St. Petersburg, FL USA. Contact: L. Kollar, 1997 International Containment Technology Conference and Exhibition, Florida State University, 2035 East Paul Dirac Dr., 226 HMB, Tallahassee, FL 32310-3700 USA; Tel. 904-644-5524; Fax 904-574-6704; Email: IC-TCE@mailenger.fsu.edu

Feb. 12-13, 1997: Composition and Structure of the Continental Lithosphere: Constraints from Petrology and Geophysics, Joint Meeting with the Joint Association for Geophysics, Burlington House. Contact: Drs. Richard England and Richard Hobbs, BIRPS, Byullard Laboratories, Madingley Road, Cambridge CB3 0EZ; Tel. 01223 360376; Fax 01223 360779; Email: england@esc.cam.ac.uk

Mar. 23-27, 1997: European Union of Geosciences (EUG 9), Strasbourg, France. Contact: EUG 9 Office, EOPG, 5 rue René Descartes, 67084 Strasbourg Cedex, FRANCE, Tel. 33 88 41 63 93 or 33 88 45 01 91; Fax 33 88 60 38 87; Email: eug@eopg-strasbg.fr (abstract deadline: November 15, 1996)

Mar. 31-Apr. 4, 1997: Materials Research Society, 1997 Spring Meeting, San Francisco, CA USA. (Abstract deadline: Nov. 1, 1996) Contact: Linda G. Griffith-Cima, Room 66-556, 77 Massachusetts Avenue, Cambridge, MA 02139, Tel. 617-253-0013; Fax 617-258-8224; Email: griff@mit.edu

Apr. 8-10, 1997: Symposium, Principle Genetic Problems Related to Mineral Deposits of Magmatic Affiliation, dedicated to the Centenary of Academician Anatoli G. Betekhtin, Moscow, Russia. Contact: Dr. Nick S. Bortnikov, Secretary of the Org. Committee, IGEM RAS, Staromosny per., 35, Moscow 109017, Russia; Tel. 007-095-230-8259 or 230-8244, Fax 7-95-230-2179, Email: symposium@igem.msk.su

Apr. 14-18, 1997: Plumes, Plates and Mineralization, Pretoria, South Africa. Contact: PPM'97, c/o Prof. S. A. de Waal, Dept. of Geology, University of Pretoria, Pretoria 0002, South Africa, Tel. 012 4202454; Fax 012 433430; Email: ppm97@scientia.up.ac.za

Apr. 22-24, 1997: First International Conference on Measurements and Modeling in Environmental Pollution, Madrid, Spain. Contact: S. Owen, MMPEP 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton SO4 7AA UK, Tel. 44-1703-293-223; Fax: 44-1703-292-853; Email: wit@wessex.wit.ac.uk; URL: http://www.witcmi.ac.uk

Newsletter of The Geochemical Society
Apr. 28-29, 1997: Volcanoes and Archaeology, Burlington House. Contact: Dr. Bill McGuire, Dept. of Geography and Geology, Cheltenham & Gloucester College of HE, Francis Close Hall, Swindon Road, Cheltenham GL50 4AZ; Tel. 01242 543496; Fax 01242 532997; and Dept. of Geological Sciences, University College London, Gower Street, London WC1E 6BT; Tel. 0171 387 7050 x2383; Fax 0171 388 7614; Email: w.mcguire@ucl.ac.uk

May 19-21, 1997: Geological Association of Canada/Mineralogical Association of Canada, Ottawa, Canada. Contact: GAC, Room 757, 601 Booth St., Ottawa, Ontario K1A 0E8, Tel. 613-947-7649, Fax 613-947-7650, URL: http://www.emr.ca/~ottawa97/; Special symposium: Extraction, Transport, and Envelopment of Granitic Magmas: Physical Processes and Structural Signatures; Contact: Keith Benn, Email: kbenn@axl1.uottawa.ca, or Alexander Cruden, Email: cruden@credit.erin.utoronto.ca, or Edward W. Sawyer, Email: edward_w_sawyer@uqac.uquebec.ca


May 25-30, 1997: Geochemical Exploration, 18th International Symposium of AEG, Jerusalem, Israel. Contact: IGES Secretariat, PO Box 50000, Tel Aviv, 61500 Israel; Fax 972 3 5140000; Email: iges@mail.igs.gov.il

June 2-6, 1997: Seventh Annual V. M. Goldschmidt Conference, Tucson, AZ, USA. Contact: M. J. Drake, Tel. 520-621-6962, Fax 520-621-4933, Email: goldconf@lpl.arizona.edu

June 15-17, 1997: The South American Symposium on Isotope Geology, Sao Paulo, Brazil. Contact: Dr. M. A. S. Basei, Tel. 55-11-818-39-89; Fax 55-11-818-39-93; Email: BASEIMAS@USP.BR

June 15-21, 1997: Eleventh International Clay Conference, Ottawa, Ontario, Canada. Contact: Jeanne Percival, Geological Survey of Canada, 601 Booth St., Ottawa, Ontario K1A 0E8, Canada; Fax 613-943-1287; Email: ICC97@gsc.ema.cn

June 15-21, 1997: Clay Minerals Society 34th Annual Meeting, Ottawa, Ontario, Canada. Contact: Hideomi Kodama, Center for Land & Biological Research, Agriculture Canada C.E.F., Ottawa, Ontario K1A 0C6, Canada; Tel. 613-995-5011; Fax 613-995-1823; Email: kodama@ncrcot.agr.ca

June 18-20, 1997: Water Pollution Modelling, Measuring and Prediction, Fourth International Conference, Bled, Slovenia. (Abstract deadline: Aug. 30, 1996) Contact: Liz Kerr, WATER POLLUTION 97 Conference Secretariat, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton SO40 7AA, UK; Tel. 44-1703-293-223; Fax 44-1703-292-853; Email: wit@wessex.wit.ac.uk; Web: http://www.wit.ac.uk (choose conference information link)

July 1-9, 1997: 1997 Joint Assemblies of the International Association of Meteorology and Atmospheric Sciences and the International Association for Physical Sciences of the Ocean, Melbourne, Australia. Contact: IAMAS/IAPSO Secretariat, Convention Network, 224 Rouse St., Port Melbourne, Victoria 3207, Australia; Tel. +61-3-9646-4122; Fax +61-3-9646-7737; Email: mscarlett@peg.apc.org

July 20-24, 1997: Fifth International Symposium on Hydrothermal Reactions (ISHR '97), Gatlinburg, TN, USA. Contact: ISHR '97, ORNL, P.O. Box 2008, Building 4500S, MS 6110, Oak Ridge, TN 37831-6110 USA; Tel. 423-576-5109; Fax 423-574-4961; Email: ddp@ornl.gov; http://flory.engr.utk.edu/ishr97

July 28-Aug. 1, 1997: Second International Conference on Geoscience Education, Hilo, HI USA. Contact: M. Frank Watt Irten, GeoSciEd II, American Geophysical Union, 2000 Florida Ave., NW, Washington, DC 20009; Email: fireton@kosmos.agu.org

Aug. 19-20, 1997: I.M.A. Working Group on Mineral Equilibria and Data Bases International Meeting, Helsinki, Finland. Contact: Pentti Holta, Geological Survey of Finland, SF-02150 Espoo, FINLAND, Tel. 358-0-469332132, Fax 358-0-462205, Email: pentti.holta@gst.fi (abstract deadline: November 31, 1996)

Aug. 24-29, 1997: Second International Symposium on Granites and Associated Mineralizations, Brazil. Contact: General Secretariat, SGM-IGSAM, Av. 3, 390 Plataforma IV, CAB, 41.746-900 Salvador, BA, Brazil, Tel. 55-71-370-6274 (14:00-18:00 local time), Fax 55-71-231-5655, Email: ISGAM@NPD.UFRPE.BR (Abstract Deadline: February 28, 1997)
Aug. 30-Sept. 5, 1997: Lunar and Planetary Institute, Second International Conference on Large Meteorite Impacts and Planetary Evolution, Sudbury, Ontario, Canada. Contact: Burkhard Dressler, Tel. 713-486-2112, Fax 713-486-2162; Email: dressler@lpi.jsc.nasa.gov; http://cass.jsc.nasa.gov/lpi.html

Sep. 1-5, 1997: Challenges to Chemical Geology, 10th Meeting of the European Geological Societies, Carlsbad, Czech Republic. Contact: Dr. Martin Novak, Czech Geol. Survey, Geologicka 6, 15200 Prague 5, Czech Republic, Tel. 422-581-71-20, Fax 422-581-87-48, Email: Novak@cgu.cz

Sep. 1-7, 1997: Fifth International Eclogite Conference, Centro Stefano Franscini, Monte Verita, Ascona, Switzerland. (Preliminary registration: Oct. 31, 1996; Registration Due: May 31, 1997; Abstracts due: May 31, 1997) Contact: Dr. Rolf Schmid, Mineralogy, IEC 97, ETH-Centre, NO E43, 8092 Zurich, Switzerland, Tel. direct: XX41 1 6323791, Tel. sec.: XX41 1 6323779, Fax XX41 1 6321088, Email: rolf@erdw.ethz.ch; http://www.erdw.ethz.ch/~rolf/pre_reg.html

Sep. 2-6, 1997: International Symposium on Geology and Environment, Istanbul, Turkey. Contact: Secretary GEOENV ‘97, P. K. 464 K. z. lay, 06424 Ankara, Turkey, Tel. 90-312-4343601, Fax 90-312-4342388, Email: jdogan@et.cc.hun.edu.tr

Sep. 7-9, 1997: Earth-Sciences Education in Southern Africa - Workshop, University of Zimbabwe, Harare. Contact: The Conference Secretary, Geological Society of Zimbabwe, PO Box CWI719, Harare, Zimbabwe

Sep. 10-12, 1997: Intraplate Magmatism and Tectonics of Southern Africa Conference, University of Zimbabwe, Harare. Contact: The Conference Secretary, Geological Society of Zimbabwe, PO Box CWI719, Harare, Zimbabwe

Sep. 22-26, 1997: European Association of Organic Geochemists, 18th International Meeting on Organic Geochemistry, Maastricht, The Netherlands. Contact: B. Horsfield, Tel. 49-2461-613670, Fax 49-2461-614666, Email: b.horsfield@kfa-juelich.de

Oct. 8-10, 1997: Fourth International Conference on Rare Gas Geochemistry, Rome, Italy. Contact: Conference Secretariat, W. Plastino, 4th ICRGG, Physics Department, University of Roma III, Via della Vasca Navale, 84, 00146 Rome, Italy; Tel. +39 6 49914200; Fax +39 6 4957697; Email: 4ICRGG@uniroma3.it

Nov. 12-13, 1997: The Rates and Timescales of Magmatic Processes, Geological Society of London, Burlington House, London, UK. Contact: Nick Rogers; Tel. 1908-653013; Fax 1908-655151; Email: n.w.rogers@open.ac.uk

1998: Canadian Institute of Mining, Metallurgy and Petroleum, 100th Annual General Meeting, Quebec, Canada. Contact: John Gaydos, Meetings Manager, Canadian Institute of Mining and Metallurgy, 1 Place Alexis Nihon, 1210-3400 de Maisonneuve Boulevard West, Montreal, Quebec H3S 3B8, Canada; Tel. 514-939-2710; Fax 514-939-2714

1998: 10th IAGOD Symposium, Australia. Contact: Professor I. R. Pliner, University of Melbourne, Parkville, VIC 3052, Australia; Tel. 613 3446520; Fax 613 3447761.

Mar. 30-Apr. 4, 1998: International Association of Geochemistry and Cosmochemistry, Water-Rock Interaction-9, Taupo, New Zealand. Contact: B. W. Robinson, Tel. 64-7-374-8211, Fax 64-7-374-8199, Email: wri-9@gns.cri.nz; http://www.rvamoko.gns.cri.nz/wri-9

Apr. 1998: 7th International Kimberlite Conference, Capetown, South Africa. Contact: John Gurney, University of Capetown; Email: jgurn@geology.uct.ac.za

May 18-21, 1998: First International Conference on Remediation of Chlorinated and Recalcitrant Compounds, Monterey, CA, USA. Contact: J. Purvis, The Conference Group, Inc., 1989 West Fifth Ave., Suite 5, Columbus, OH 43212-1912 USA; Tel. 800-783-6338 or 614-424-5461; Fax 614-488-5747

June 29-July 18, 1998: 8th International Platinum Symposium (IAGOD/COMB)MUR), Johannesburg, South Africa. Contact: Dr. C. A. Lee, PO Box 68108, Bryanston, South Africa; Tel. 2711 411 2253; Fax 2711 692 3693.
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Suggestions may be communicated before December, 1996 to any member of the committee:

William White, chairman (Geol. Sci., Cornell Univ., Ithaca, NY 14853 USA, white@geology.cornell.edu)

Robert Bodnar (Geol. Sci., VPI, Blacksburg, VA 24061 USA, bubbles@vt.edu)

Cindy Lee (Marine Sci. Res. Center, SUNY Stony Brook, Stony Brook, NY 11794 USA, cindylee@ccmail.sunysb.edu)

Eric Oelkers (Lab. de Geochimie CNRS, Universite Paul Sabatier, 38 rue des Trent-six Ponts, 31400 Toulouse, France; oelkers@lucid.ups-tlse.fr)

Roberta Rudnick (Earth and Planetary Sci., Harvard Univ., 20 Oxford St., Cambridge, MA 02138 USA; rudnick@eps.harvard.edu)

Bernard Wehrli (EAWAG-ETH, Limnological Research Center Kastenbaum, Kastenbaum, 6047 Switzerland; bernhard.wehrli@eawag.ch)
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