

John C. Griffiths, left, accepts the Krumbein Medal from John C. Davis, IAMG Western Treasurer. The presentation was made at the Annual Meeting of the Canadian Society of Petroleum Geologists, held in Calgary, Canada, on June 26-28, 1978. Prof. Griffiths was awarded the very first Krumbein Medal in 1976, but his extensive travels prevented public presentation of the award until this past year. It is especially fitting that the first Medal should go to Prof. Griffiths at the time of his retirement from Penn State University, as he has probably started more young geologists along the quantitative path than any other teacher.



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The good news is that issues of MATH GEOLOGY in 1979 will be mailed on time! As you know all too well, this was not the case in 1978, which was a year of "transition." The printer converted from hot type to computer typesetting of the journal. In addition to the customary start-up problems, however, the situation was compounded when part of the mailing list for Volume 10, No. 1 was misplaced by Plenum. As a result, not everyone received the issue.

Eventually the list was recovered and hopefully all is forgiven since by now everyone should have their copies of the initial issues. Volume 10, No. 5 was mailed in December 1978 and No. 6 is scheduled for February. After that, the issues will appear on schedule. Needless to say, thank you for your patience.

Dick McCammon  
Editor, MATH GEOLOGY



Rudolph-G. V. Eigen Colloquium has been established at the Institute for Geology of the Free University of Berlin. The first meeting was held on December 7, 1978, and included six presentations on current research topics in mathematical geology. The colloquia, named in honor of the pioneering mathematical geologist discussed on numerous occasions in this News Letter, will be held annually at the Institute. For information, contact Prof. Wolfdietrich Skala, Institut für Geologie, Freie Universität Berlin, FB24 WE1, Altensteinstr. 34a, 1000 Berlin 33, WEST GERMANY



The not-so-good news is that only 120 IAMG members have paid their 1979 dues. Cough up!

Frits Agterberg, right, accepts Krumbein Medal from IAMG President Dan Merriam during ceremonies at the Annual Meeting of the Geological Society of America in Toronto last November. Dr. Agterberg, director of the Geomathematics Section of the Canadian Geological Survey, is the third recipient of this highest honor of the International Association for Mathematical Geology. Over the past two decades, Dr. Agterberg has been a prolific contributor to the literature of mathematical geology. His work to 1972 is summarized in the compendium volume, Geomathematics; mathematical background and geo-science applications, published by Elsevier.



In addition to his research, Dr. Agterberg is a nonresident professor in the Geology Department of the University of Ottawa, and has taught at the University of Syracuse and while with the Kansas Geological Survey. He is a member of the Council of the I.A.M.G.



Best Paper Award for MATH GEOLOGY in 1978 goes jointly to Istvan Dienes (Hungary) and C. John Mann (USA) for their article, "Mathematical Formalization of Stratigraphic Terminology," which appeared in Volume 9, No. 6. The selection was made by the Best Paper Committee in October 1978. Each coauthor will receive a year's free subscription to the journal.



MGUS News



Newly elected MGUS officers for 1978-1980 are John M. Cubitt, President; Richard B. McCammon, Vice-president; and Tom A. Jones, Secretary. Forty-seven ballots (25%) were returned to the Secretary and counted.

Affiliation with GSA as an Associated Society was rejected by the GSA Council on the basis of the small size of MGUS. Although we were again encouraged (as we were when making the original request) to apply for divisional status in GSA, the consensus at the MGUS business meeting was that we should not seek divisional status because many MGUS members are not in the GSA. We shall continue our informal association with GSA and AAPG for at least two more years, holding business meetings at one or the other, and planning additional mathematical geology sessions or symposia for annual GSA meetings.

Possible future activities were surveyed last year at GSA in Seattle and AAPG in Oklahoma City. Indications were that the geological profession generally thought that review articles and papers by specialists were most needed. MGUS has initiated efforts to encourage, instigate, and produce papers to satisfy this need. Any I.A.M.G. member (not just those in the U.S.) who wishes to volunteer for this activity or who wishes to suggest possible topics and authors should contact one of the Executive Board members of MGUS; your help will be greatly appreciated. Each paper must pass the normal editorial review process; most papers will probably appear in MATH GEOLOGY, although some may be more appropriate in other journals. The first of these publications will appear early in Volume 11 (1979) of MATH GEOLOGY.

A symposium and poster session on "Applications of Petrologic Information Systems to Geological Problems" at the 1978 Joint Annual Meeting of the GAC-MAC-GSA in Toronto on October 23-26, 1978, was cosponsored by I.A.M.G. and MGUS. The symposium was organized by Michel David and Felix Mutschler. It featured seven papers demonstrating that substantive geological problems could easily be undertaken by using modern computing systems and computerized data bases. In addition, ten poster presentations were given; five of these featured on-site interactive computer demonstrations. More than 200 people attended the papers session; all poster displays were well attended. Contributors and visitors alike suggested that efforts such as these be continued at future meetings.



Positions Available

The Stanford University Department of Applied Earth Sciences is seeking a mining geostatistician/resource analyst for a possible position at the assistant to associate professor level. The 9-month salary of the potential position will be commensurate with level and experience: \$17,000 to \$26,000. Candidates should have strong formal training and proven ability for research in geostatistics, and should have specialized in quantitative resource evaluation ranging from design and optimization of exploration sampling and drilling programs through estimation of mineable reserves and production feasibility analysis. He or she also should have education or personal experience in mineral economics, resource-related geology and the technologies and costs of exploration, mining and metallurgical production. Responsibilities will include leading the Department's entire teaching and research program in resource evaluation, curriculum planning, and teaching geostatistics and supportive courses essential to a graduate program in resource evaluation. Advising students in other programs, including exploration, environmental geology, and mineral economics will be expected. Stanford is an equal opportunity/affirmative action employer. Send resume and names/addresses of references to Mary C. Clark, P.O. Box 5816, Stanford, CA 94305 USA.

The Syracuse University Department of Geology invites applications for a tenure-track position in carbonate petrology/low-temperature geochemistry, to begin Fall 1979, at the rank of assistant professor, either at the beginning or more advanced level. Ph.D. and field experience required. Interest in use of geomathematics/geostatistics/computer-application techniques and thermodynamics is desirable. The successful candidate will be responsible for developing an ongoing research program, supervising graduate students, and teaching graduate and undergraduate courses. Please send resume and 3 letters of reference to Dr. D. F. Merriam, Department of Geology, Syracuse University, Syracuse, NY 13210 USA. Syracuse University is an equal opportunity/affirmative action employer.

"Computer Applications in the Earth Sciences--an Update of the 70's" is the subject of the 8th Geochautauqua. Oct. 26-27, 1979, at Miami. Sponsored by Dept. Geology of Syracuse University, Div. Marine Geology and Geophysics of Univ. Miami, and I.A.M.G. Contact: D.F. Merriam, Dept. Geology, Syracuse Univ., Syracuse, NY 13210 USA. Tel. 315/423-2672.

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## President's Report - 1978

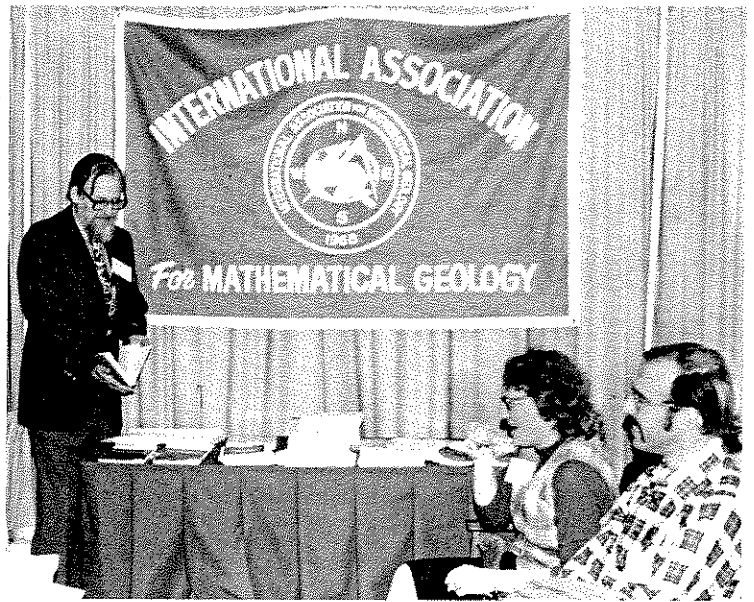
As 1978 draws to a close, I am pleased to report the I.A.M.G. is sound, both scientifically and financially. A listing of our accomplishments and activities is in order.

We have sponsored or cosponsored several successful meetings during 1978. Two sessions on computer applications were presided over by Mark McElroy, Eric Dahlberg, and Claude Abry at the annual meeting of the AAPG and John Cubitt chaired a workshop on mineral-resource estimation for SEPM. We sponsored three sessions and a workshop at the IAS Congress in Jerusalem; Dan Gill made the local arrangements. The sessions were: "Sedimentological interpretation of seismic records and well logs" (Milt Dobrin and John Doveton); "Simulation of sedimentary, hydrological, and geomorphological processes" (Dan Gill and Dan Merriam); and a general session for I.A.M.G. members (Dan Gill and John Davis). John Cubitt organized a working group on "Quantitative stratigraphic correlation" for IGCP Project 148. Papers are being assembled for publication in the book series Computers & Geology (Pergamon Press) to appear in the spring.

The annual Geochautauqua at Syracuse was organized by John Cubitt and subjects included: "Global models," "Mineral-resource evaluation," and "Boundary layer interactions." The proceedings will be published as a special issue of COMPUTERS & GEOSCIENCES.

At GSA in Toronto, Felix Chayes (Project Leader for IGCP Project 163) organized a session chaired by Michel David and Felix Mutschler on "Applications of petrologic information systems to geological problems." The meeting also included real-time demonstrations of different systems in a poster session.

Several future meetings are planned, including sessions at AAPG and SEPM in the spring. For the IX International Carboniferous Congress we will sponsor "Quantitative techniques for the analysis of cyclic sediments." The next Geochautauqua will be on "Computer applications in the Earth sciences--An update for the 70's." Also, there will be a session on "Mathematical Methods in Geology" to be held at Pribram (Czechoslovakia) in connection with the Mining Pribram Symposium. MGUS (Mathematical Geologists of the U.S.) is organizing a meeting in conjunction with GSA next November. 1979 promises to be another active year; and, don't forget the IGC in Paris in July 1980! Section S.12 on Mathematical Geology will include four regular sessions and six symposia. Section Chairmen: P. Leymarie and G. Matheron.



I.A.M.G. Booth at the GSA meeting in Toronto. President Dan Merriam, left, discusses the display of Association publications with Diane Mann and Alan Linberg. Our new Association banner, in bright orange and white, formed a colorful backdrop for the booth.



We are attempting to put together a session at the next American Statistical Association meeting, and are trying to arrange something at the next ISI meeting as well. Paul Switzer and Geoff Hill are our contacts on these negotiations.

Both journals, MATH GEOLOGY and COMPUTERS & GEOSCIENCES, are doing well. Subscriptions have increased and the flow of good manuscripts is steady. Reviews and reports of news events are needed and good manuscripts are always welcome. A new continuing feature will appear in C&G, Volume 4, No. 4 (1978)--Computer Corner, by Don McIntyre. Don will discuss subjects of interest to our readers.

In honor of our 10th birthday, I am collecting papers for a volume by the "giants" of geomathematics. Four papers have been received and two others promised. The volume will be published in the Syracuse University Geology Contributions as "Geomathematics: Past, present, and prospects," and will be sent automatically to I.A.M.G. members, early in 1979.

One important item of "future business" needs resolving: a mail vote for Association officers should be allowed. I suggest the Nominating Committee put forth a slate of candidates with provision for write-ins; ballots be mailed to all paid members; returned; then counted at Paris at the international meeting. I'll appreciate comments on this suggestion. --Dan

I.A.M.G. Booths will be up as part of our efforts to make ourselves better known in the geological community. The following meetings have been selected this year as those where we will have a booth. Anyone with suggestions or ideas on how the booth can be enhanced should contact Dick McCammon (c/o U.S.G.S., National Center, MS 952, Reston, VA 22092 USA).

**Puzzler:** Arrange the ordinal numbers 1-9 in a 3 x 3 matrix so the rows, columns, and major and minor diagonals sum to 15.


<u>Date</u>	<u>Meeting</u>	<u>Location</u>
April 1-4	AAPG-SEPM	Houston, TX
May 20-26	IX Carboniferous Symposium	Urbana, IL
Oct. 17-19	APCOM-SME	Tucson, AZ
Nov. 5-8	GSA	San Diego, CA

**SECOND NOTICE**

Send Remittance to: INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOLOGY  
 Dr. John C. Davis, Western Treasurer  
 1930 Avenue "A", Campus West  
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**1979 I.A.M.G. DUES**

- \$15.00 U.S. Includes Jour. MATH GEOLOGY •
- \$33.00 U.S. Includes COMP & GEOSCIENCES •
- \$45.00 U.S. Includes MATH GEOLOGY and COMP & GEOSCIENCES •

Enclosed are my 1979 dues in the amount of \$ \_\_\_\_\_ U.S. [Members outside the U.S. add \$2.50 for Airmail delivery of the NEWS LETTER, if desired.]

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The I.A.M.G. News Letter is made possible by a grant from the Kansas Geological Survey.

**no. 19-20**

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