

# I.A.M.G. NEWS LETTER

## IAMG/PLENUM PRESS AGREEMENT

★ The IAMG has signed a long-term publication contract with Plenum Publishing Corporation to issue Mathematical Geology. The agreement allows Plenum to publish the Journal through 1980 or until the next General Meeting after Sydney.

Under the agreement Mathematical Geology will have between 650 and 700 pages per volume and will be published on a bi-monthly schedule. Increased volume size or more frequent publishing schedules can be negotiated. The Journal will be available to members at the current rate of \$15. US for 1976 and 1977. Commencing in 1978, the price may be adjusted upward or downward according to changes in the US Consumer Price Index. Plenum will pay royalties to the Association for all issues sold to other than members. In addition, Plenum will provide a flat payment to the IAMG Editor to defray operating expenses of the editorial office. Members of the IAMG will be eligible for a 25% discount on all books published by Plenum.

In the opinion of IAMG legal counsel, the new contract is very favorable to the Association. Almost all scientific publications are plagued by rapidly escalating costs. We will enjoy 8 years without a price increase, but with a significant expansion in the size of the Journal. Price changes that may occur after 1977 will be in line with prevailing economic conditions at the time. Other financial concessions from the publisher will contribute to the long-term stability and well-being of the Association. ★

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## POSTDOCTORAL POSITION AVAILABLE

★ The Geological Survey of Norway announces the availability of a postdoctoral fellowship in geomathematics at Trondheim. The fellow will be expected to conduct research in the use of computers for mineral exploration. The fellowship is awarded by the Norwegian government (Norges Teknisk-Naturvitenskapelige Forskningsrad) and is available in October, 1976. Deadline for applications is January 1, 1976. Qualified persons interested in the fellowship may write for application materials to:

Dr. Knut Heier, Director  
Norges Geologiske Undersokelse  
Leiv Eirikssons Vei 39  
P.O. Box 3006  
Trondheim, NORWAY ★

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## NO EXTRA CHARGE FOR UNESCO COUPONS

★ As a service to IAMG members in countries having currency restrictions, the IAMG Council decided at their last meeting (held in conjunction with the International Sedimentological Congress in Nice) that there would be no extra charge for member's dues and subscriptions paid in UNESCO coupons. Dues for 1976 remain at \$15 US, including the Journal Mathematical Geology, or \$45 US for the Journal and Computers & Geoscience. ★

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## SEPM COMPUTER TECHNOLOGY MEETING

★ A colloquium will be sponsored by the SEPM Computer Technology Research Group on May 23, 1976, in New Orleans. The afternoon session is to be held in conjunction with the AAPG-SEPM Annual Meeting.

The theme of the meeting will be "Shape and form in geology, with examples taken from paleontological applications." The object is to look at geological shapes (mostly fossils) in the detailed manner allowed by modern computational, data handling and display systems. Any study of geological shapes, whether rock units, fossils, sand grains or thrust slices, requires that maximum information preserved in the shape of the object be retrieved and that it be available for subsequent analysis in a convenient and precise form. More precise measurement and characterization of these features, and more sophisticated numerical analysis can produce important results in the fields of description and taxonomy. Furthermore, graphic display systems can enable this data to be manipulated interactively and complex forms to be easily visualized.

Two main approaches will be examined: "The numbers racket"--including multivariate analysis of morphological measurements, Fourier analysis of sections and outlines, numerical description and mathematical taxonomy of shapes; and, "The comic pictures approach"--including techniques for serial section reconstruction, computer manipulation of three-dimensional shapes, approximation of surfaces by "patches" in the manner of computer-aided design, holographic methods for shape representation, simulation of growth and form.

Presentations in these or related topics are invited. Facilities will include both 16 mm film and 35 mm slide projectors, and possibly also a three-dimensional CRT display with rotation facilities. Any queries on the colloquium should be addressed to:

Dr. John C. Tipper  
Geologic Research Section  
Kansas Geological Survey  
1930 Avenue A, Campus West  
Lawrence, Kansas 66044 ★

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## CALL FOR APCOM PAPERS

★ The 14th International Symposium on the Application of Computer Methods in the Mineral Industries (APCOM) will be held at The Pennsylvania State University from Oct. 4-8, 1976. Papers are being solicited for the following sessions: National and International Planning for Raw Materials; Investment Planning in Multi-national Companies; Health, Safety, Environment and Manpower Planning; Computers in Coal and Mineral Processing; Exploration and Ore Reserve Estimation; Production Planning and Control; Management Information Systems; Industrial Case Studies; Automation and Process Control; Economic Modeling of the Mineral Sector. Abstracts of not more than 500 words should be sent to:

Dr. R.V. Ramani  
The Pennsylvania State University  
116 Mineral Industries Building  
University Park, PA 16802

These must be received not later than January 15, 1976. Additional information, including registration forms and information about field trips and short courses, may be obtained from:

Mr. Ron Avillion  
The Pennsylvania State University  
410 Keller Building  
University Park, PA 16802 ★

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## ACL-COGEODATA WORKSHOP

★ The Atlas Computer Laboratory and COGEODATA will cosponsor a workshop on System Intercommunication for Geological Data on 21-22 November 1975. The workshop will be held at the Atlas Laboratory in Chilton, Oxfordshire, and is geared to geologists currently concerned with the communication of computer processible data among the various file and data-base management systems in use in Europe and North America. Attention will be concentrated on recent research and pilot studies conducted at the Atlas Computer Laboratory. Participants in the workshop will use an IBM 370-195 computer, submitting jobs directly through an IBM 1130 remote job entry terminal. Students will have the opportunity to compare the performance of GEOMAP, DASCH, SIGMI, GRASP, G-EXEC, and SAFRAS data-management systems, which are all operational at the Laboratory. Participants are encouraged to bring sample data sets to the workshop. Attendance is limited to 30 persons. For further information, contact:

Mrs. Marjorie Sherwen  
Atlas Computer Laboratory  
Chilton, Didcot, Oxfordshire  
OX11 0QY  
ENGLAND ★

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## SESSION AT ISC, JERUSALEM

★ The President and the Secretary-General of IAMG and the Organizing Committee of the 10th International Sedimentological Congress have approved an IAMG Special Session to be held in conjunction with the Congress which will convene in Jerusalem, Israel, in July 1978.

Dan Gill, Geological Survey of Israel and Visiting Research Scientist, Kansas Geological Survey, has been appointed Program Chairman. Suggestions for topics will be considered at the informal IAMG meeting to be held prior to the Salt Lake City GSA meeting October 19.

It is anticipated that in addition to the IAMG Special Session, the Congress will also incorporate as part of its program a section in which papers on the various aspects of mathematical geology may be presented. ★

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## PRIZEWINNER!

★ The Grand Prize of a free year's subscription to the Journal of Mathematical Geology goes to Michael J. McCullagh of the Department of Geography, Nottingham University, who identified the logo on the last issue of the News Letter as a Cycloid. Those who don't remember the central role once played in cosmology by this mathematical curve should go to the back of the class! ★

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## U.K. REGIONAL ORGANIZATION

★ Stephen Henley, of the IGS in Edinburgh, has been appointed Chairman of the UK Regional Organization and Working Group 5 (Information Group) of the Geological Society of London. He replaces John Cubitt, who has assumed a teaching post at Syracuse University. Roger Till, of Reading University Geology Department, is Secretary of the UK Group. The Group held a workshop on "Current Research in Mathematical Geology" on September 17 at Nottingham University, chaired by Peter Harvey. A similar workshop is planned for next year. ★

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## CHAUTAUQUA IN COMPUTER-AIDED INSTRUCTION

★ The IAMG will co-sponsor a chautauqua on computer-aided instruction (CAI) in geology at Syracuse University on November 8, 1975. Topics to be discussed include the modeling of coastal storms, Bouguer gravity anomalies, and geologic strata; use of CAI in introductory classes and in geophysical instruction; use of interactive programs for data bank management; and use of specific programs & data files for instruction purposes. For further information, contact:

Prof. D. F. Merriam  
Department of Geology  
Syracuse University  
Syracuse, New York 13210 ★

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## NOMINATING COMMITTEE SET

\* In the year prior to the IAMG General Meeting (held in conjunction with the International Geologic Congress), a Nominating Committee is appointed to pick the slate of candidates for IAMG offices and Council. This committee was appointed at the SEDIM-NICE meeting in July. Ex-officio non-voting Chairman is R.A. Reymont. Nominating Committee members include John Dove-ton, W.A. Read, Paul Switzer, F.E. Wickman, and M.A. Romanova. Activities of the committee are coordinated by John Dove-ton, Kansas Geological Survey, 1930 Ave. A, Campus West, Lawrence, KS. 66044. IAMG members are urged to submit names of potential candidates to the Committee as soon as possible. Officers to be elected in-clude: President, Vice President, Secretary-General, Eastern Treasurer, Western Treasurer, and seven Members of the Council. The officers and Members constitute the Council of IAMG. No more than two members and two officers may be from the same country. The President is eligi-ble for only one term of office. The Secretary-General and Treasurers may be re-elected for only two terms. \*

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## RAPIDLY MOVING STATE GEOLOGIST

\* If any of our members in Europe happen across a harried American state geologist muttering about computers, please treat him with kindness. It's W.W. Hambleton, Director of the Kansas Geo-logical Survey, on a Grand Tour/Sabbatical. \*

## PETROLEUM EXPLORATION SCHOOL

\* The AAPG and SEG will cosponsor a two-week school Nov. 3-14, 1975, covering the latest in geological & geophysical exploration techniques. Discussions of the broader aspects of basin geology, plate tectonics, and stratigraphy, as applied in petroleum exploration set the stage for more detailed treatment of facies and struc-tural geology. The most current and useful geo-physical, logging, computer, remote-sensing and geochemical techniques, and their integration and application to oil finding will be stressed. Exploration economics, land acquisition tech-niques, and future trends in energy exploration are also treated.

The school consists of two weeks of lectures, discussions and workshops with several evenings required for assigned reading and problem solv-ing. A one-day field trip midway through the program will demonstrate some of the concepts covered in the lectures. The school will be held in the Executive Tower Inn, Denver, Colora-do. Registration is \$525 for AAPG and SEG mem-bers, and \$575 for others.

Topics of special interest to members of IAMG include Remote Sensing by F.F. Sabins, Jr., Com-puter Applications in Petroleum Exploration by J.M. Forgotson, Jr., and Exploration Economics by R.E. Megill. For further information contact:

Judy Golasinski, Lecture Coordinator  
Am. Assoc. of Petroleum Geologists  
P.O. Box 979  
Tulsa, Oklahoma 74101 \*

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\*1976 DUES ARE DUE \*\* THIS IS YOUR ONLY NOTICE\*

\* I. A. M. G. DUES FOR 1976 \*

\$15.00 U.S. (INCLUDES JOURNAL,  
MATHEMATICAL GEOLOGY)

\$45.00 U.S. (INCLUDES JOURNAL  
AND COMPUTERS & GEOSCIENCE)

ENCLOSED ARE MY 1976 DUES IN THE AMOUNT OF \$ \_\_\_\_\_.

Please PRINT All Information

Mail your check,  
money order, or  
UNESCO coupons,  
together with  
this form, to:

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(name)

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INTERNATL. ASSOC. FOR MATH. GEOLOGY  
OFFICE OF THE WESTERN TREASURER  
KANSAS GEOLOGICAL SURVEY  
1930 AVENUE A, CAMPUS WEST  
LAWRENCE, KANSAS 66044 U.S.A. \*

## UNEXPECTED INFORMATION ABOUT EIGEN!

★ The Rudolf Gottlieb Viktor Eigen Memorial Committee has received a communique which promises to completely revise the little-known biography of this forgotten founder of our profession. According to our distinguished correspondent A.B.V. in the Soviet Union, the true story of Prof. Eigen's fate is known only in Russia. This authoritative source relates that Prof. Eigen was not killed by his fall into a crevasse on the Pasterzen glacier, but was rescued through an ice tunnel by the famous Russian writer Kuz'ma Prutkov, who was drinking beer and meditating in an Alpine meadow at the time of Eigen's accident. Mr. Prutkov, after plying Eigen with restoratives, offered him the opportunity to accompany him to Russia as his guest. For personal reasons, Prof. Eigen found it expeditious to accept this generous offer. Unbeknownst to both men, an earlier unfortunate had also fallen on the Pasterzen glacier near the same site. The body subsequently recovered from the ice was mistakenly identified as that of the eccentric geomathematician.

Later, in Russia, Prof. Eigen embraced the Russian Orthodox faith and traveled widely in Siberia. In the frozen north he worked as a missionary among the wild tribe known to Russian anthropologists as the "chepookha." Prof. Eigen, no doubt sustained by the spiritual wholesomeness of his later lifestyle, survived to the grand age of 111.

[Editor's note: *The dramatic revelations of our Soviet colleague are bound to add to the controversy which already surrounds the life of R.G.V. Eigen. Because of obvious implications for the centennial memorial observances, readers having additional information about the fate of Prof. Eigen should correspond at once with the Western Treasurer.*] ★

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

I.A.M.G.  
KANSAS GEOLOGICAL SURVEY  
1930 Avenue "A" Campus West  
University of Kansas  
Lawrence, Kansas 66044



*R.G.V. Eigen with Chepookha tribesman.*

## CARTOGRAPHY NEWSLETTER

★ A Newsletter describing information and services is available from the National Cartographic Information Center, U.S. Geological Survey, 507 National Center, Reston, Virginia 22092. The Newsletter contains, among other things, information about automated cartography and map analysis. ★

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