



Krumbein Medallist Named

Stanford University Professor **John W. Harbaugh** has been named the 10th William Christian Krumbein Medallist of the IAMG. Noted for his contributions to petroleum exploration and simulation of geologic processes, John also conducts research in areas as diverse as archeology and economics. He has written over 60 articles in mathematical geology and is coauthor of the books Computer Applications in Stratigraphic Analysis (1968), Computer Simulation in Geology (1970), Probability Methods in Petroleum Exploration (1977), and Graphics Display of Two and Three-Dimensional Markov Computer Models in Geology (1984), plus other texts on general and regional geology. He has served as a consultant to many domestic and international petroleum companies, and also to U.S. and foreign government agencies. John is active in several professional societies, and has just been appointed Chairman of the Computer Applications Committee of the AAPG, a committee he helped found in 1968.

The Krumbein Medal will be presented to John on June 17, 1986, at the AAPG Annual Meeting in Atlanta, GA., USA. **Dan Merriam**, Editor of Computers & Geosciences and past Medallist, will make the presentation.



Kansas Survey Seeks New Director

The Kansas Geological Survey, one of the world's leading research institutions in mathematical geology, is seeking a new Director and State Geologist. Candidates must have a terminal degree in the geosciences, at least 10 years of professional experience in research, and a minimum of 2 years upper-level administrative experience. The Kansas Geological Survey is a research division of the University of Kansas and has a staff of 50 professionals and 25 support persons. Applications should be submitted by June 30, 1986. The Directorship is available starting January 1, 1987. Salary is negotiable. A Position Announcement and application instruction may be obtained from Lila Watkins, Personnel Manager, Kansas Geological Survey, 1930 Constant Avenue, Lawrence, KS 66046 USA. (Tel.

New Contract for Math Geology

The Association has negotiated a very favorable new contract with Plenum Publishing Corporation to continue issuing Math Geology for six more years. The agreement continues the present low member's price for the Journal, but increases the Association's royalty income from non-member sales. Plenum will significantly increase the amount of reimbursement for editor's expenses, to help offset ever-rising postal charges. The publisher has also promised a major effort to expand the circulation of the Journal through advertising and promotion at shows. A bonus directly to IAMG members is a 25% discount on all books published by Plenum. Simply identify yourself as an IAMG member when you order from Plenum and request 25% off list prices.



85 President's Prize

The President's Prize of the IAMG for 1985 has been awarded to Dr. **Georges Verley**, Chief Geostatistician for Geomines Ltd, a consulting firm in Montreal, CANADA. A recent graduate of Stanford University, Georges has published two landmark papers on nonlinear geostatistics; organized the 1983 NATO Institute, GEOSTAT TAHOE; and edited the volume of proceedings from the Institute, which was published by Reidel. The President's Prize is awarded annually by the IAMG to acknowledge contributions to mathematical geology by a younger scientist.



Replacement Copies

Members should note that the publishers of Mathematical Geology and Computers & Geosciences both have the policy that they will replace copies lost in the mail free of charge if claims are made within six months of publication. Both journals are sent to members directly by the publishers; to avoid delay, requests for replacement copies should be sent to the publishers at the addresses listed on the inner covers of each issue. It is to each members' advantage not to wait a year or longer before noticing an

SEPM Computer Technology Meetings

Seminar on "Computer Methods for Log Analysis of Subsurface Geology" will be given by John H. Doveton on June 15, 1986, at the SEPM Annual Meeting in Atlanta, GA., USA. Automated graphic pattern recognition techniques and computer algorithms to determine mineral composition from borehole logs will be described, as will regional mapping of lithofacies in two and three dimensions.

Colloquium on "Applications of Expert Systems in Sedimentary Geological Research" will be held on September 26, 1986, at the SEPM Midyear Meeting in Raleigh, N.C., USA. For information, contact W. Lynn Watney, Kansas Geological Survey, 1930 Constant Ave. Lawrence, Ks. 66046. USA.



Offer from Reidel Publishing Company

IAMG members can receive a 20% discount on purchases of books in the Series "Quantitative Geology and Geostatistics" issued by Reidel Publishing Company. Orders must be prepaid and sent directly to Kluwer Academic Publishers Group, Spuiboulevard 50, P.O. Box 17, 3300 AA Dordrecht, The Netherlands. Be sure to mention that you are an IAMG member. Books will be sent prepaid.

The new text, "Quantitative Stratigraphy" by Gradstein, Agterberg, Brower, and Schwarzacher (1985) is in Reidel's series. The list price is US \$77.00, so the special IAMG pre-paid price is \$61.60.



GSA Short Courses

An "Introduction to the Geologic Use of Microcomputers" will be conducted by P. A. Sutterlin, D. F. Merriam, and M. A. Sondergard on Nov. 9, 1986, at the GSA Annual Meeting in San Antonio, TX. The course will cover geological data management, analysis, display, and communication. Fee, \$85 US.

"Computer Graphics for Geological Applications" will be taught by R. G. Craig, H. P. Foote, B. L. Roberts, and M. P. Singer on Nov. 8-9, 1986, also at the GSA Annual Meeting. The course is intended for those experienced in the use of microcomputers and will be given at the offices of Hewlett Packard. Attendance is limited; fee, \$270 US.

For information on GSA courses, contact Edna Collis, GSA Course Registrar, GSA Headquarters, P.O. Box 9140, Boulder, CO 80301, USA.

Grant for Reprints

Plenum Publishing Corporation will award a small number of grants to cover the cost of author's reprints of articles in Mathematical Geology. The grants are available only to authors from third-world nations or countries with nonconvertible currencies. Grants for reprints will be awarded at the discretion of the Editor; requests should be submitted at the time the final revision of a manuscript is returned. Remember that the number of grants is very limited.



Fill Out This Form!

The Microcomputer Users Committee of the IAMG is conducting a world-wide survey of geoscientists who use the computer. Information will be compiled into a directory that will be invaluable for finding persons who share common research interests or computer facilities. The IAMG plans to issue a three-part directory. The first will be a list of names, addresses, and telephone numbers of geoscientists in North America, and will be published in cooperation with MGUS; it will be the 4th edition of their highly successful directory. The second part will be a similar international directory of geoscientists outside North America, and will be published by the IAMG. The third part, also to be published by IAMG, will be a statistical analysis of information on scientific specialties, interests, and computer usage, gleaned from the responses to the questionnaire.

The Microcomputer Users Committee has already distributed 400 copies of his questionnaire to the IAMG membership. If you haven't returned yours, please do so immediately! The Association can only serve you effectively if we know what are your interests and concerns, which this survey will help determine. Also, the Association is anxious to help promote communication and cooperation between scientists - The Directory, listing correct addresses and telephone numbers, will be an invaluable aid, but only if everyone is listed!

If you have professional associates who did not receive a copy of the questionnaire, and who should be in the Directory, please give them a copy of this form. We want the Directory to be all-inclusive, and not limited to current IAMG members.

Return to John C. Butler, Dept. of Geosciences, University of Houston, Houston, Texas 77004 USA.

I. PERSONAL

NAME: _____
(family name) (given name) (initial)

ADDRESS: _____
(street address) (box no.) Home? _____
Work? _____

CITY: _____ STATE: _____ ZIP: _____
(or Province) (or Postal Code)

COUNTRY: _____

TELEPHONE NUMBER: _____
(area code) (where you can be reached to discuss IAMG/
MOUS and Professional Activities)

II.: WORK:

JOB AFFILIATION _____ (address given above? YES___ NO___)
(Company, University, or Organization Name)

JOB TITLE _____
(Senior Researcher, Professor, Systems Analyst, etc.)

PROFESSIONAL SPECIALITY _____
(Stratigrapher, Data Processor, Statistician, etc.)

III.: GENERAL COMPUTER APPLICATIONS

DO YOU USE A MAINFRAME COMPUTER? YES___ NO___ IF YES GIVE:

MAKE _____ MODEL _____

DO YOU USE A MICRO- OR PERSONAL COMPUTER? YES___ NO___
(IF YES, PLEASE ANSWER PART IV)

DO YOU PROGRAM? YES___ NO___ IF YES, WHAT LANGUAGE(S) _____

PLEASE RANK THE THREE APPLICATION AREAS OF COMPUTING THAT ARE MOST IMPORTANT TO YOU:

- | | |
|---------------------------------|---------------------------------|
| 1-DATA BASE MANAGEMENT _____ | 2-DATA PROCESSING _____ |
| 3-SOFTWARE DEVELOPMENT _____ | 4-HARDWARE DEVELOPMENT _____ |
| 5-EXPERT SYSTEMS _____ | 6-ARTIFICIAL INTELLIGENCE _____ |
| 7-STATISTICS _____ | 8-GEOSTATISTICS _____ |
| 9-MATHEMATICAL/ALGORITHMS _____ | 10-MODELLING _____ |
| 11-COMPUTER GRAPHICS _____ | 12-MAPPING _____ |
| 13-OTHER _____ | |

IV MICROCOMPUTER USERS ONLY

BRIEF DESCRIPTION OF SYSTEM MOST COMMONLY USED:

Manufacture _____ Operating System _____

Memory _____ Storage _____ Modem(?) _____ Plotter(?) _____

WHAT COMMERCIAL MICROCOMPUTER APPLICATIONS PACKAGES DO YOU USE?

ARE YOU INVOLVED IN SOFTWARE DEVELOPMENT? YES___ NO___ IF YES, WHAT AREA:

WHAT PROJECT(S) WOULD YOU LIKE TO SEE THE MICROCOMPUTER USERS COMMITTEE UNDERTAKE THAT YOU BE OF INTEREST TO YOU AND THE IAMG/MOUS? (PLEASE USE REVERSE SIDE)

MGUS - 87

Conference on geomathematics will be held on April 13-15, 1987, at Fluor Engineers, Inc., Redwood City, CA, USA. Session topics are (1) Applications of Fractals to Geosciences; (2) Artificial Intelligence and Expert Systems; (3) Frequency Distributions; (4) Graphics in Geosciences; (5) New Advances in Geostatistics; (6) Risk Analysis in Geological Hazards. Session chairmen have been appointed and papers are now being solicited. For further information, contact J. H. Fang, Dept. Geology, Univ. Alabama, P.O. Box 1945, University, AL. 35486 USA.

Denver Geotech '86.

The theme of the 1986 Annual Geotech is Computer-Aided Methods in Geology and Engineering and will be held Oct. 18-22, 1986, in Denver, CO., USA. Over 15 workshops and 50 technical papers are scheduled, as well as a large exhibit section. Contact Stephen A. Krojewski, Industrial Ergonomics, Inc., 9525 W. 77th, Dr., Arvada, CO. 80005, USA for information.

IGBA Workshop

Workshop on "Computer Application and Management of Petrological Data Bases" will be held on Sept. 12-23, 1987, in Safat, Kuwait. The workshop is a project of IGCP Project 239. Travel grants are available. Contact Ali T. Al-Mishwt, Geology Dept., Kuwait University, P.O. Box 5969, Safat, Kuwait, or John Durham, British Geological Survey, 154 Clerkenwell Road, London, England.

Eastern Treasurer to Visit North America

Dr. Vaclav Nemec, IAMG Eastern Treasurer and chairman of the 1987 International Geochautauqua, will be visiting universities and research centers in Canada and the United States in October, 1986. Vaclav will attend the 15th Annual Geochautauqua in Calgary to meet with IAMG officers and to plan the European Geochautauqua to be held in conjunction with the Mining Pribram in Prague. After the Calgary meeting, he will visit the Canadian Geological Survey in Ottawa, Ont.; Michigan Technological University in Houghton, MI; University of Illinois at Urbana, IL; Syracuse University, Syracuse, NY; Wichita State University, Wichita, KS; Kansas Geological Survey, Lawrence, KS; and the University of Georgia, Athens, GA. Other organizations or university departments wishing to host Dr. Nemec are urged to do so. This is an opportunity to hear formal lectures and informal views of an internationally known geoscientist and leading mathematical geologist from the Eastern Bloc, simply for travel and living expenses during his visit. For further details, contact John C. Davis, Kansas Geological Survey, 1930 Constant Avenue, Lawrence, KS USA 66044.



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