International Association of
Geochemistry and Cosmochemistry

Newsletter

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Cambridge council meeting highlights

Council convened its 1986 annual meeting in the old music room, St. John's College, Cambridge, England, July 5 and 6. Observers included Mr. C.R. Argent and Dr. P.A. Sabine, representing The Royal Society (United Kingdom National Member). The minutes of the Rome Council meeting were accepted and approved.

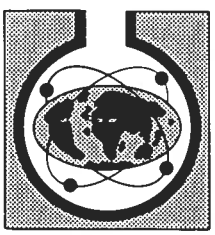
President Grunenfelder noted that UNESCO had provided funds for the Cambridge, Perth and Iceland meetings but, more important, was favorably inclined for major support for both the Paris and Brazil meetings (details elsewhere in this Newsletter). IUGS had revised its support to IAGC based on a change in financial policy that related funding to activity of the associated organizations. Favorable responses had been received from Finland, Morocco and Turkey with respect to their becoming new National Members. Finally, a proposed list of IAGC-sponsored topics for the 28th International Geological Congress had been prepared and submitted for consideration.

Dr. Hitchon (Secretary) reported that during the past year major refiling of IAGC archival material had been completed. In addition to general correspondence, the membership list had been placed on a special data base in preparation for a new membership directory to come out in mid-1987. Membership is increasing rapidly, due largely to the new journal Applied Geochemistry and a very favorable subscription rate for individual IAGC members:

	Individual Members
1985-01-01	293
1985-12-31	461
1986-06-01	500
1986-12-31	568

The Council agreed that, effective with the 1987 meeting in Paris, there would be a *reduced registration fee* for individual IAGC members, with details to be worked out by those responsible for each meeting.

In the absence of Dr. Angino (Treasurer) his report was accepted as submitted.



International Association of
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IAGC Statement of income and expenses (US$)
1985-01-01 to 1985-12-31

Income:	
National Member dues	$2,640.00
Individual Member dues	1,450.00
Interest on investments	1,244.33
Mailing list	18.00
Ingerson bequest, lecture fund	7,500.00
Miscellaneous - fees returned	48.00
	$12,900.33
Expenses:	
Bank charges	$ 59.50
Geostandards publication	3,000.00
Newsletter	300.00
Accounting and secretarial	257.50
Postage and telegrams	160.58
Travel - Health symposium	2,000.00
Travel - Rome council meeting	2,653.07
1985 IAVCEI Assembly	2,000.00
Kimberlite conference meeting	2,000.00
Tax filing	58.50
Membership cards and labels	83.68
Stationery	260.58
	$12,833.41
Excess income over expenses	66.92
Cash balance as of December 31, 1984	$22,538.29
Excess income over expenses 1985	66.92
Cash balance as of December 31, 1985	$22,605.21
Checking account 1985-12-31	$ 2,323.26
Investments	12,781.95
Ingerson lecture fund	7,500.00
	$22,605.21

Notes
Subsequently, Dr. Angino reported that at 1986-06-30, the cash balance was $26,659.04.

Council noted also that a policy was required for profit-sharing of IAGC-sponsored meetings, to be worked out by the Treasurer.

In a written report, Dr. Levinson (Chairman, Publications Committee) noted that Applied Geochemistry was now officially launched with the first three issues comprising a Festschrift in honor of Professor Earl Ingerson on the occasion of his 80th birthday this year. About 83% of individual members were taking the journal at the special rate. This figure is encouraging and strongly suggests that the area of applied geochemistry is very active and that the journal is off to an extremely good start.

Written reports were received from all Working Group Chairmen, highlights of their reports being as follows:

Geochemical Prospecting: Major effort devoted to organization of forthcoming Orleans, France symposium, April 1987, and to the "glossary" and "geochemical models" projects. Professor Tauson will represent IAGC at a Workshop on World Geochemical Survey at Orleans, which is to be jointly sponsored by IAGC and the Association of Exploration Geochemists.

Water-Rock Interaction: Preparations effectively completed for Fifth International Symposium on Water-Rock Interaction. Subsequent to the Council meeting an excellent meeting was held. Professor Hitoshi Sakai (Japan) elected the new Chairman, supported by an Executive Committee comprising Dr. Tomas Paces (Czechoslovakia), Dr. Yves Tardy (France), Dr. Brian Hitchon (Canada), Dr. Halldor Armannsson (Iceland) and Dr. Mike Edmunds (UK). Details for WRI-6 can be found elsewhere in this Newsletter.

Natural Waters, Protection from Pollution: Proceedings of the 2nd International Symposium on Geochemistry of Natural Waters (Rostov-on-Don, U.S.S.R., May 1982) now distributed to all participants. Copies available from Professor Nikanarov (see address at end of this Newsletter). Tentative plans being made for another international symposium in 1988.

Extraterrestrial Geochemistry: The revised and extended abstracts of papers given at the Workshop on Antarctic Meteorites (Mainz, FRG, July 1985) have now been published as LPI Technical Report No. 86-01, and can be obtained from Library/Information Center, Lunar and Planetary Institute, 3303 NASA Road 1, Houston, Texas 77058-4399, U.S.A. Mail order requesters will be invoiced for the cost of postage and handling.

Weathering, Sedimentary and Diagenetic Processes: A successful first symposium was held in Granada, Spain, 1986-03-16/22, with 150 participants. At the Business Meeting, Dr. Y. Tardy (France) was elected Chairman for six years. A second symposium has been scheduled for 1990 to avoid conflict with IGC and WRI-6; the exact date and place have yet to be decided.

Thermodynamics of Natural Processes: Preparations are underway for the First International Symposium on Thermodynamics of Natural Processes, the first circular for which will be available shortly. The second draft of Guidelines for the Preparation of International Tables of Thermodynamic Properties of Minerals and Mineral-forming Substances has been completed; following further reviews the final version is to be published in January 1987.

Cooperation in Applied Geochemistry: Plans are being made for a major symposium on Geochemistry and the Environment in Relation to Water and Air Pollution in Tropical and Sub-tropical Climates, to be held during the IAGC conference on the Geochemical Evolution of the Continental Crust, Sao Paulo, Brazil, July 1988.

Geochemistry of Health and Disease: The Working Group has decided to organize symposia every two years and plans are being made for the Second International Symposium on Geochemistry and Health to be held in London, England, April 1987. Council supported the compilation of a World Directory of Current Programs and approved $1000 US for publication costs.

Applied Isotope Geochemistry: This Working Group was re-activated under a revised title, with the broad objective being application oriented. Continued cooperation with IAVCEI is anticipated. A new chairman is to be appointed soon.

20th anniversary of IAGC
Plans were approved for celebrating this event by holding the First International Congress of Geochemistry and Cosmochemistry, Paris, France, June 30 to July 6, 1987. The Congress will comprise invited synthesis papers, twenty-two symposia, plus ordinary sessions. Deadline for paper titles is 1986-12-01, and for abstracts 1987-03-15. Council unanimously approved Dr. A.E. Ringwood as the first Ingerson Distinguished Lecturer, who will deliver his address on "Origin of the Moon" during the Paris International Congress. The Association will also confer Honorary Membership on Dr. George Wetherill (IAGC President, 1977-1980) for his significant contributions to both the science of geochemistry/cosmochemistry and to IAGC.
See important notice at the end of this Newsletter regarding the subsequent cancellation of this meeting.

Financial support for meetings
Paris, France, July 1987 - $5,000
Sao Paulo, Brazil, July 1988 - $5,000

Future council meetings
1987 July, Paris, France (subsequently changed to Switzerland, October 1987)
1988 March, Moscow, U.S.S.R. (tentative)
1988 July, Sao Paulo, Brazil
1989 July, Washington, DC, U.S.A.

IAGC's report to IUGS
IAGC, as an Affiliated Organization of the International Union of Geological Sciences (IUGS), reports annually to its parent body. At the February 1986 meeting of the Executive Committee of IUGS, President Grunenfelder presented a compilation of activities of IAGC. As noted in the Minutes of the meeting, "The Committee accepted the IAGC's report, with commendation for the impressive level of activity, the relevant topics selected in key geological areas, and the well-defined output; in particular, the new journal Applied Geochemistry".

IAGC-sponsored meetings
Second International Symposium on Geochemistry of Health/Fifth European Meeting of the Society for Environmental Geochemistry and Health
1987-04-22/24
London, England
Contact: Dr. Iain Thornton, Applied Geochemistry Research Group, Imperial College of Science and Technology, Prince Consort Road, London, SW7 2BP, England (Telephone: 01-589 5111; Telex: 261503)
Sponsors: IAGC Working Group on Geochemistry of Health and Disease; European Society for Environmental Geochemistry and Health

Twelfth International Geochemical Exploration Symposium and Fourth Symposium on Methods of Geochemical Prospecting
1987-04-23/26
Orleans La Source, France
Contact: The Organizing Committee, 12th IGES - 4th SMGP, BRGM, BP 6009, 45060 Orleans Cedex, France (Telephone: [38]64-30-08; Telex: 780258F)
Sponsors: Association of Exploration Geochemists; IAGC Working Group on Geochemical Prospecting

Celebration of 125th Anniversary of birth of V.I. Vernadsky (title unknown)
1988-03-12 (2-4 days duration)
Moscow, U.S.S.R.
Sponsor: UNESCO
Comment: Vernadsky Institute is organizing this special scientific session.

Geochemical Evolution of the Continental Crust
1988-07-11/16
Sao Paulo, Brazil
Contact: Professor Celso B. Gomes, Instituto de Geociencias, Universidade de Sao Paulo, Caixa Postal 20.899, Sao Paulo 01498, Brazil (Telephone: (011)211-2847; Telex: 011 36950 USPO BR)
Sponsor: IAGC

First International Symposium on Thermodynamics of Natural Processes
1988-07
Strasbourg, France
Contact: Dr. Bertrand Fritz, Secretary-General, Centre de Sedimentologie et de Geochimie de la Surface, 1 rue Blessig, F-67084, Strasbourg Cedex, France
Sponsors: IAGC Working Group on Thermodynamics of Natural Processes, International Geological Correlation Program, International Mineralogical Association, CODATA

Study of Practical Simulations of Freshwater Ecosystems
1988
Rostov-on-Don, U.S.S.R.
Contact: Professor A.M. Nikanarov, Hydrochemical Institute, Stachky Prospect, 198, Rostov-on-Don 344090, U.S.S.R.
Sponsor: IAGC Working Group on Geochemistry of Natural Waters, Protection from Pollution

Twenty-Eighth International Geological Congress
1989-07-09/19
Washington, D.C., U.S.A.
Contact: Secretary-General, International Geological Congress, P.O. Box 1001, Herndon, Virginia 22070, U.S.A. (Telephone: (703)860-6418; Telex: 248418)
Sponsor: IUGS
Comment: IAGC to organize geochemical program.

Sixth International Symposium on Water-Rock Interaction (WRI-6)
1989-07-27 to 08-07
Bath, England
Contact: Dr. W.M. Edmunds, Hydrogeological Department, Institute of Geological Sciences, Crowmarsh Gifford, Wallingford, Oxfordshire, OX1O 8BB, England
Sponsor: IAGC Working Group on Water-Rock Interaction

Other meetings of interest

The Geochemical Society (GS) and the European Association of Geochemistry (EAG) will hold a joint meeting in conjunction with the Fourth Annual Meeting of the European Union of Geosciences (EUG). It is hoped that these joint GS-EAG symposia will become a regular feature with venues alternating between Europe and North America. Preliminary plans for the first two joint meetings are as follows:

1987-04-13/16
Strasbourg, France
Contact: Organizing Committee EUG IV, Department of Earth Sciences, ETH-Honggerberg, 8093 Zurich, Switzerland
Sponsors: EAG/GS/EUG
Planned symposia which relate to some of IAGC's working groups include: The role of fluids in rock deformation and metamorphism; Fluid transport through the crust; Destruction and creation of continental lithosphere; Radionuclides and the environment; Hydrothermal activity and metalliferous sediments on the ocean floor; Degradation of organic matter; Global biogeochemical cycles in earth history; Exploration geochemistry and economic deposits; Water resources and contaminant hydrogeology.

1988-05-11/13
Hunt Valley Inn, Hunt Valley, Maryland, U.S.A.
Contact: Professor H. Barnes, Department of Geosciences, Penn State University, 235 Deike Building, University Park, Pennsylvania, 16802, U.S.A.
Sponsors: GS/EAG

Current individual membership status

The number of individual members in IAGC has been increasing steadily. The last Newsletter reported 461 members as of 1985-12-31. The status as of 1986-12-31 is as follows:

Australia	18
Austria	6
Belgium	4
Brazil	7
Canada	65
Denmark	4
Finland	2
France	33
Federal Republic of Germany	7
Iceland	3
India	11
Indonesia	2
Israel	6
Italy	14
Japan	31
Kenya	3
Korea (S)	2
Mexico	3
Netherlands	5
New Zealand	6
Nigeria	3
Norway	7
People's Republic of China	7
Senegal	2
South Africa	3
Spain	9
Sweden	6
Switzerland	9
United Kingdom	22
U.S.A.	245
U.S.S.R.	8

The following countries each have one member: Algeria, Colombia, Czechoslovakia, Egypt, Hungary, Iraq, New Guinea, Pakistan, Philippines, Saudi Arabia, Sri Lanka, Syria, Tanzania, Thailand and United Arab Emirates. Membership as of 1986-12-31 stands at 568.

History of IAGC

The first issue of Applied Geochemistry included a brief history of IAGC written by the Secretary. A reprint of this article is forwarded to all members with this Newsletter. A more popular and shorter version appeared in the September 1986 issue of Episodes; reprints of this article have also been sent with this Newsletter.

National contacts

The successful production of a Newsletter depends on information submitted to the Editor. One method to ensure a flow of information is to have a national contact person in each country who volunteers to supply geochemical and cosmochemical news of more than local interest. This technique has worked well for the Working Group on Water-Rock Interaction. If you would like to volunteer to send appropriate news items to the Editor, please contact IAGC's Secretary (see change of address notice at end of Newsletter).

American Chemical Society - Division of Geochemistry

Following an approach from the Chairman (Dr. Roy H.

Filby, Department of Chemistry, Washington State University, Pullman, Washington, 99164-1300, U.S.A., telephone (509)335-8641) of the Division of Geochemistry, American Chemical Society, Council agreed to cooperate and work with the Division of Geochemistry on matters of mutual interest. Accordingly, IAGC Newsletters will be sent to the Executive of the Division of Geochemistry and we will report items of interest to our members from their newsletters. At this time the Division of Geochemistry has planned a meeting in Denver, Colorado, U.S.A., April 5-10, 1987. Topics to be covered include Atmospheric Methane: Formation and Fluxes from the Biosphere/Geosphere; Pyrolysis in Petroleum Exploration Geochemistry; and Symposium on Geochemical Standards (tentative). The program for a meeting in New Orleans, U.S.A., August 30 to September 4, 1987, has yet to be determined. The subject Organic Matter in Hydrothermal Systems: Maturation, Migration and Biogeochemistry is the tentative theme for a June 5-11, 1988 meeting in Toronto, Canada. Membership in the American Chemical Society is not a requirement for membership in the Division of Geochemistry and non-American Chemical Society members may join for only $5.00 U.S. per year. Please contact the Chairman (address above) for details and an application form.

Addresses of Working Group Chairmen

Geochemical Prospecting
Academician L.V. Tauson
Director
Irkutsk Institute of Geochemistry
Irkutsk 33
U.S.S.R.

Water-Rock Interaction
Professor H. Sakai
Ocean Research Institute
University of Tokyo
Minamidai, 1-15-1
Nakano-ku
Tokyo 164, Japan
Telephone: 03-376-1251 (ext.273)
Telex: 72-25607

Natural Waters, Protection from Pollution
Dr. A.M. Nikanarov
Hydrochemical Institute
Stachky Prospect, 198
Rostov-on-Don 344090
U.S.S.R.

Extraterrestrial Geochemistry
Dr. Heinrich Wanke
Max-Planck Institute fur Chemie
Abteilung Kosmochemie
Saarstrasse 23 (Postfach 3060)
Mainz D-6500
Federal Republic of Germany
Telephone: 0 61 31/305231
Telex: 4 187 674

Weathering, Sedimentary and Diagenetic Processes
Dr. Yves Tardy
Institute de Geologie
Universite Louis Pasteur
Rue Blessig No. 1
Strasbourg 67084
France
Telephone: 88 35 66 03

Thermodynamics of Natural Processes
Dr. Igor Khodakovsky
Vernadsky Institute of Geochemistry and Analytical Chemistry
Academy of Sciences of the U.S.S.R.
Kosygin Street 19
Moscow 117 334
U.S.S.R.

Cooperation in Applied Geochemistry
Dr. J. Goni
Universidade de Sao Paulo
Instituto de Geociencias
Caixa Postal 20899
Sao Paulo, Brazil

Geochemistry of Health and Disease
Dr. Iain Thornton
Applied Geochemistry Research Group
Department of Geology
Imperial College
London SW7 2A2
England
Telephone: 01-589 5111
Telex: 261503

Change of mailing address (Secretary)
Dr. Brian Hitchon
Alberta Research Council
P.O. Box 8330, Station F
Edmonton, Alberta T6H 5X2
Canada
Telephone: (403) 438-1783
Telex: 037-2147

Important Notice

Paris, France July 1987 Meeting Cancelled

Over the past several months various members of the Executive Committee have corresponded and/or met with Professor Claude Allegre, organizer of the Paris congress, July 1987. These meetings related to the desire of Professor Allegre to change the date of the meeting to the spring of 1988, with the reasons being given as: (1) there are too many international meetings in 1987, and few in 1988; (2) North American participants will have difficulty coming to Europe in 1987 after the isotope meeting in Cambridge, 1986; and (3) a new congress centre will open in Paris in 1988. Despite concerted persuasion, Professor Allegre has been intransigent in his decision to change the time of IAGC's 20th anniversary celebrations. Accordingly, the full Council was contacted by telex with a complete explanation of the situation. As a result of this poll, the Executive Committee decided to cancel the Paris congress, July 1987. This notice is formal notification of this cancellation. The Council and Executive Committee of IAGC apologize for any inconvenience this may cause, but the circumstances arose from matters beyond their control.

This Newsletter was delayed three months until a final decision on the Paris meeting could be made. At this time plans call for a meeting of IAGC Council in Switzerland in October 1987. At the Switzerland Council meeting it is expected that plans will be finalized for a 21st birthday celebration (coming of age) in Sao Paulo, Brazil.