

INTERNATIONAL ASSOCIATION OF SEDIMENTOLOGISTS

NEWSLETTER

Nº 69 AUG. 1983

ASSOCIATION NEWS

AUSTRALIA
(from I.P. Sweet)

THE 12TH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS
"SEDIMENTS DOWN-UNDER"

The 12th I.A.S. Congress will be held at the Australian National University, Canberra, Australia, from 25-29 August, 1986. Planning is already underway to ensure that the conference is a great success, and those of you who attended the Hamilton Congress will already have received a brochure listing pos-

sible conference topics. For the information of the general membership of I.A.S. some of these are listed below :

- Archaeal depositional environments
- Proterozoic depositional environments
- The role of cyanobacteria in depositional environments
- Precambrian and Palaeozoic glaciogene sedimentation
- Arid environments - ancient and modern
- Reef carbonates
- Low-gradient river systems and their sediments
- Catastrophism in the sedimentary record
- Anoxic events
- The sea-level record
- The accumulation and diagenesis of organic-rich sediments
- Volcanogenic sediments
- Sedimentation in tectonically active areas
- Iron-rich sediments
- Shale-hosted base metal deposits
- Uraniferous sediments
- Phosphorites
- Tropical weathering
- Beach processes and placers
- Weathering and economic geology
- Compaction in sediments
- Coal-depositing systems
- Diagenesis in evaporitic sequences
- Groundwater, porosity and diagenesis
- Manganiferous sediments
- Oil shale environments
- Mineral and energy resources in sediments
- The sediments of the Southwest Pacific, Indian and Southern Oceans

The list is not comprehensive, and we now welcome suggestions, ideas and detailed submissions from I.A.S. members (and others) on topics for technical sessions, symposia and workshops. Such a programme will mean a lot of work, and we therefore seek the assistance of members who are willing to become involved in the organization of the meeting particularly as convenors of sessions. If you can help, please let us know. In the first instance, write to :

Dr. Keith A.W. CROOK, Chairman
Organizing Committee, 12th I.A.S. Congress
Department of Geology, Australian National Univ.
P.O. Box 4
CANBERRA ACT 2600
AUSTRALIA

outlining your ideas. We hope to issue a First Circular, detailing conference sessions and excursions, by the end of this year, so we would appreciate receiving such ideas no later than the end of September.

Australia and the southwestern Pacific region, from Papua New Guinea through to New Zealand, present a wide spectrum of sedimentary environments, both modern and ancient, and we expect to offer a large number of field trips. They will range from one-two day excursions to places of interest around Canberra, to one-two week excursions to such far-flung places as Shark Bay in Western Australia, the New Guinea highlands and the North Island of New Zealand. Full details of the proposed excursions will also be included in the First Circular.

SWITZERLAND
(from J. McKenzie)

The First International Conference on Paleocceanography was held in Zürich, Switzerland from July 19-21, 1983. The meeting was co-sponsored by the Geological Institute of the Swiss Federal Institute of Technology (ETH) and the Commission on Marine Geology, ICL-Working Group 7. During three days, symposia were organized into parallel sessions in which the paleoceanographers presented their latest results and ideas on such all encompassing themes as ocean circulation, paleoclimates, ecology, sea-level changes and sedimentological processes. Numerous posters complimented these symposia. The day preceding the conference was reserved for workshops in the various areas of biostratigraphy plus one on numerical ages in stratigraphy. A special evening session was required for a popular workshop on stable-isotope stratigraphy to accommodate the many individuals wishing to attend more than one workshop. The conference ended with a three-day field trip to the Southern Alps. The main topics discussed during this trip were the evolution of the southern continental margin of the Tethys Ocean and the impact of oceanography on the Mesozoic Tethyan sediments.

The presented material and the many speakers who have participated in the Deep Sea Drilling Project emphasized the major role that the Project has played in promoting this new field of study, paleo-

ceanography. The importance of paleoceanography for sedimentologists, in particular those working with pelagic sequences on land, goes without elaboration. It is now 10 years since another Zürich symposium resulted in I.A.S. Special Publication No. 1; Pelagic Sediments : on Land and under the Sea. This latest meeting showed that new ideas and results from the study of deep-sea sediments continue to amass, so much so, that a proposal to establish a society of paleoceanography is under consideration.

In preparation for the Second International Conference on Paleoceanography, major areas of interest for future symposia were identified, such as the impact of eustasy on deep-sea sediments, flux rates to the deep ocean versus sedimentation rates, stable-isotope ratios as indicators of paleoceanographic events and abyssal circulation and erosion. It was felt the Paleozoic-Mesozoic oceans were under represented at the first meeting and should be highlighted at the next meeting, which is tentatively scheduled for the second week in September, 1986, at Woods Hole Institution of Oceanography.

FUTURE MEETINGS

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April 9-11, 1984

FRANCE (Marseille)

5TH I.A.S. REGIONAL MEETING

See Newsletter N° 68 (June 1983).

Contact : Dr. B.H. PURSER
Laboratoire de Géologie
Université Paris XI-Orsay
Bât. 504
91405 Orsay - FRANCE

OR

Dr. J. PHILIP
Université de Provence, Centre
de St. Charles, Labo. de Géologie
Historique et de Paléontologie
place Victor Hugo
13.331 Marseille Cédex 3 - FRANCE

August 4-14, 1984

U.S.S.R. (Moscow)

27TH INTERNATIONAL GEOLOGICAL CONGRESS

Section C.04. Sedimentology

Conveners : K. Crook (AU), P.P. Timofeev (SU)

C.04.1. Themes

C.04.1.1. Hypergenesis (Chemical and Physical Weathering) and Sedimentogenesis (sedimentation, including transportation and depositional processes).

C.04.1.2. Sedimentological Processes and their Controlling Factors.

C.04.1.3. Palaeogeographic and Facies Analysis.

C.04.1.4. The Role of Climate in Sedimentation and Sedimentary Processes.

C.04.1.5. Carbonate and Halogenic Deposits. (In collaboration with the International Association of Sedimentologists (I.A.S.))

S.04.2. Intersectional Symposia

S.04.2.1. Sedimentation and Geotectonic Regimes.

S.04.2.2. Evolution of Sedimentary Ore Deposits

Section C.05. Precambrian Geology

Conveners : H.L. James (US), W. Neumann (DDR),
N.P. Shcherback (SU)

C.05.1. Themes

C.05.1.2. Archaean Sedimentation and the Archaean Proterozoic Boundary.

C.05.1.3. Life and Organic Matter in the Precambrian. Origin of the Atmosphere and Hydrosphere.

Section C.06. Geology of Ocean Basins

Conveners : W. Hey (US), Yu.M. Pushcharovsky (SU)

C.06.1. Themes

C.06.1.1. Sedimentary Layers in Oceans and Seas : Formation and Structure.

C.06.1.2. Palaeoceanology.

C.06.1.3. Natural Laws Controlling the Distribution and Origin of Metalliferous Deposits and Ferromanganese Nodules.

S.06.2. Intersectional Symposia

S.06.2.1. Global Stratigraphic Correlation of Mesozoic-Cenozoic Sediments of Oceans and Continents.

S.06.2.3. Origin and History of Marginal and Inland Seas.

Section C.14. Solid Fuel Mineral Deposits

Section C.15. Non-Metallic Mineral Ores

August 10-13, 1984

U.S.A. (California)

SEPM MIDYEAR MEETING

The 1984 SEPM Annual midyear meeting will be held on August 10-13 in San Jose, California, a city locate about 40 miles South of San Francisco. Innovation on Sedimentary Geology in the theme. The programme will include technical sessions, field trips, short courses poster sessions, and social activities. A call for papers will be issued in September 1983; abstract deadline is February 1, 1984. H. Edward Clifton is the General Chairman and Harry E. Cook, the Technical Program Chairman. Information and abstract forms can be obtained from SEPM Business Office, P.O. Box 4756, Tulsa, OK 74101, U.S.A. (telephone (918) 743-9765). Please, plan to attend.

Editor
Cl. MONTY,
General Secretary