

IAS



INTERNATIONAL ASSOCIATION
OF SEDIMENTOLOGISTS

NEWSLETTER

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Contributions to be sent to:

André Strasser
IAS General Secretary
Institut de Géologie
Pérolles
1700 Fribourg
SWITZERLAND

Tel. +41 26 300 89 78
Fax +41 26 300 97 42
E-mail: andreas.strasser@unifr.ch

IAS-Homepage:

<http://www.blackwell-science.com/uk/society/ias>

NEWS FROM GREECE

On May 27 to 29, 1998, the 8th International Congress of the Geological Society of Greece, with emphasis on environmental Geology, was held in Patras.

The Scientific Committee of the Congress, which consists of more than 100 specialists covering all topics of geosciences, accepted 144 out of 215 submitted papers and posters. The accepted papers concerned the geological research in Greece as well as in the surrounding Balkan region.

During the Congress, the Interim Colloquium of RCMNS and the International Workshop of INQUA also took place.

For the first time, a session in Sedimentology was organized, in the last years the number of Greek Sedimentologists has increased considerably. During this session, interesting oral presentations especially from young sedimentologists were made. Emphasis was on clastic sedimentary systems, but also contributions on carbonate systems were presented.

The following topics were discussed:

- 1) Active sedimentation in lagoons of Western Greece
- 2) Prodelta sequences in fan-delta systems

- 3) Sedimentological characteristics and definition of the direction of sediment transport along barrier coasts
- 4) Marine aragonite ooids and brackish Mg-calcite ooids in "Neogene"- Pleistocene cycles
- 5) The depositional environments of xylitic horizons in lignite deposits
- 6) Hydraulic determination and palaeoflow trends of turbidite deposits
- 7) Upper Pleistocene sequences: relationship with sea-level changes
- 8) Oligo-Miocene molassic cycles
- 9) Composition and origin of recent fluvial deposits
- 10) Cave floor sediments
- 11) Palaeoenvironmental conditions of concretion formation

Three post-congress field trips took place on the neotectonic evolution of the Peloponnese, on sedimentary environments of N. Peloponnese, and on the important engineering scenes in Western Continental Greece.

*Fotini Pomoni-Papaioannou,
Department of Hist. Geology -
Paleontology,
National University of Athens,
Panepistimiopolis, 15784 Athens,
Greece.*

FLOOD AND MEGAFLOOD DEPOSITS

Further to the symposium on "Flood and Megaflood Deposits: Recent and Ancient" held at the 15th International Sedimentological Congress in Alicante, Spain, you are invited to submit a manuscript for a Special Publication of the International Association of Sedimentologists on the subject. The convenors (I.P. Martini, V.R. Baker, and G. Garzon) of the symposium will be the editors of the IAS Special Publication.

The objective of the Special Publication is to explore sedimentological processes and products of "floods". This may include classical approaches, but also analysis, if suitable, of hyper-concentrated flows, cavitation and their products, rafting of gigantic blocks of ice or other material, and so on. The emphasis is on how we can recognize and interpret these phenomena in the past geological record, learning from the

analysis of some of the recent or recent-past events. Analysis of recent disasters and hazards may be included as well.

Format and procedures for review and acceptance of manuscripts will be the ones of the journal *Sedimentology*. Please refer to a recent number of such a journal for information of required format.

Submit three copies of the MS (double space printing), each accompanied by copies (not originals) of illustrations, before April 30, 1999.

I. Peter Martini
Department of Land Resource
Science
University of Guelph, Ont.
N1G 2W1 Canada
Tel: +1 519 824 4120
Fax: +1 519 824 5730
E-mail: pmartini@uoguelph.ca

FIFTH IAS SPECIAL LECTURE TOUR

Prof. Dr. Harold G. Reading will be on his Lecture Tour in 1999. Many institutions from all over the world have applied to receive him. However, due to financial and logistical reasons, only the following countries will be visited:

February to March, 1999

JORDAN (Amman)
INDIA (Roorkee, Delhi, Dehradun, Chandigarh)

May, 1999

GERMANY (Dresden)
POLAND (Krakow)
HUNGARY (Budapest)
SLOVAKIA (Bratislava)

September to October, 1999

CROATIA (Zagreb)
ROMANIA (Bucharest)

November to December, 1999

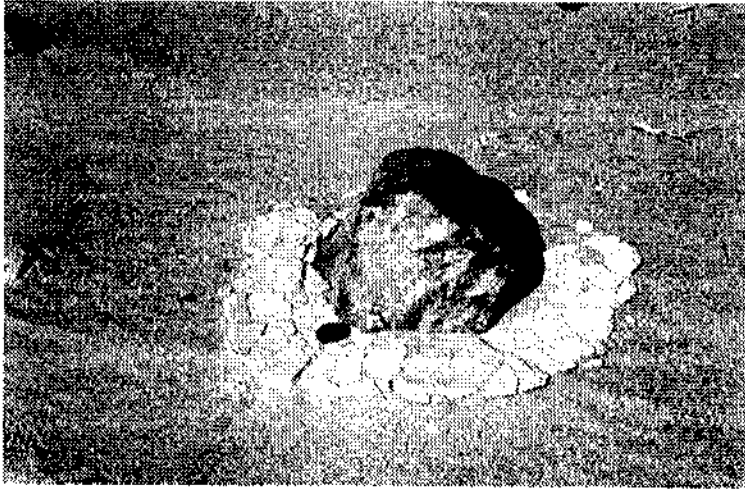
SAUDI ARABIA (Dhahran)
PAKISTAN (Sind)

The lecture themes are (see also IAS Newsletter No. 156):

- 1) Controls on clastic coastal systems
- 2) Sequence stratigraphy, an aid or hindrance to sedimentological understanding ?
- 3) The use and misuse of models
- 4) Controls on deep-sea systems, especially petroleum reservoirs

If you live in a country that will be visited and are interested in receiving Prof. Reading to give a lecture at your institute during the time period allocated for that country, please contact me as soon as possible. We will then try to arrange this supplementary visit. However, please remember that additional travel costs and local expenses will be at your charge.

*André Strasser,
General Secretary IAS,
Institut de Géologie, Pérolles,
CH 1700 Fribourg, Switzerland,
Fax: +41 26 300 97 42,
E-mail: andreas.strasser@unifr.ch*

BEAUTIFUL SEDIMENTOLOGY

Clay halo around boulder in ephemerally flooded wadi bed (Sinai, Egypt)

If you want to have your "Beautiful Sedimentology" picture published, please send a slide, glossy print, or diskette to the IAS General Secretary.

ORGANISM – ENVIRONMENT FEEDBACK IN MESOZOIC CARBONATE PLATFORMS

1999 LYELL MEETING, PORTUGAL

POST CONFERENCE FIELD EXCURSION (MARCH 3-6, 1999)

The Lower Jurassic (Sinemurian) to Aptian successions from the Lusitanian Basin provide an excellent setting in which to investigate the interactions between organisms and environmental change on a variety of scales.

This period was characterised by changing carbonate platform types (high and low energy ramps, rimmed shelves) which evolved in response to a range of intrinsic and extrinsic controls. These changes are expressed in variations not only in platform type and facies distribution but also in benthic palaeo-communities and the contribution of organisms to sediment budgets. Of particular interest is the changing nature of coral build-up distribution across the Jurassic-Cretaceous boundary.

The excursion will give participants a chance to discuss in the field how interactions between organisms and environments have influenced the variety of carbonate platform facies and geometries that developed in the Lusitanian Basin during the Mesozoic.

We will focus on the Lower Cretaceous succession where influence of high-frequency environmental change and along-strike variations in contemporaneous depositional settings can be observed. Comparison will be made with the Early and Late Jurassic carbonate platforms.

In each case the sequence stratigraphy of the systems will be demonstrated and its influence on organism distribution and palaeoecology, and biological contributions to the sediment budget, will be discussed.

For further information please contact:

*Gary Aillud or Matthew Watkinson,
Department of Geological Sciences,
University of Plymouth,
Drake Circus,
Plymouth, PL4 8AA, U.K.,
TEL: +44 17 52 233 100,
Fax: +44 17 52 233 117,
E-mail: gaillud@plymouth.ac.uk
or: mpwatkinson@plymouth.ac.uk*

LAND - SEA LINK IN ASIA; ITS GEOLOGIC AND OCEANOGRAPHIC ASPECT

TSUKUBA, JAPAN, MARCH 15-19, 1999

The Geological Survey of Japan (GSJ) and JISTEC are co-sponsoring a workshop to bring together leading sedimentologists and oceanographers from Asia, North America, Europe and else-where.

The objective of the workshop is to foster the exchange of emerging scientific findings on land-sea linkage in Asia from the oceanographic and geologic viewpoints and to find important issues towards the 21st Century. Prof. Kenneth O. Emery, one of pioneers in these studies in Asia, left a rich scientific legacy including some important papers addressed to the study of shallow marine sedimentology, marine geology and sea-level changes in Asia. He passed away on April 12, 1998. This workshop will be devoted to him.

The workshop foci are:

- 1) roles of marginal seas in global changes
- 2) sediment transport from rivers to deep seas and influence of human activities
- 3) strata formation, climate and sea-level changes at Asian continent and island margins

Venue and dates

The conference will be held at Tsukuba Center for Institutes (Kenkyu Koryu Center), Tsukuba, Japan, on March 15 to 19, 1999. Tsukuba City is located about 50 km from Tokyo and from Narita (Tokyo International) Airport. March 15 (Mon) evening; registration; March 16-18 (Tue-Thu) 0900-1700: workshop; March 19 (Fri): Geologic excursion or participation in another workshop on Biogeochemical Process in Changjiang Estary and East China Sea, in Tsukuba.

Conference Goal

Our principal goal is to improve our understanding of land-sea link in Asia at present day and in the Quaternary from the viewpoints of both sedimentology and oceanography, and anthropogenic and natural changes.

Large rivers from the Himalayas and Tibet Plateau empty and transport huge volumes of sediment into Asian seas, where are present depocenters in the world. Human activities by more than half of the world population living in this area have influenced the natural system and caused serious anthropogenic problems in coastal

areas and coastal seas. Asian marginal seas have played an important role in global climate changes and carbon cycles in the Quaternary. From the Arabian Sea through the Bay of Bengal, Southeast Asian archipelagos, to Western Pacific marginal seas are to be the main focused of this workshop, with a special reference to the East China Sea.

*Yoshiki Saito,
Marine Geology Department,
Geological Survey of Japan,
Higashi 1-1-3,
Ibaraki 305-8567, Tsukuba, Japan,
Tel: +81 298 54 3772,
Fax: +81 298 54 3533,
E-mail: yoshi@gsj.go.jp*

REGIONAL SEMINAR ON TECTONIC AND SEDIMENTATION OF INDONESIA

BANDUNG, INDONESIA, MARCH 15-20, 1999

The Indonesian Sedimentologists Forum (FOSI), a commission of Indonesian Geologists Association (IAGI) and the Geology Department of Institute of Technology, Bandung (ITB), are organizing a regional seminar on the tectonics and sedimentation of Indonesia. This seminar will be held as a memorial of the 50th anniversary of 'The Geology of Indonesia' publication, authored by R.W. van Bemmelen in 1949.

Indonesia has received much attention both in tectonic and sedimentation aspects. It lies at the junction of three major crustal plates. The intersection of these plates is responsible for the creation of one of the world's most complex geological settings. This condition becomes an interesting challenge for geoscientists all over the world, since a long time ago. The remarkable 50-years-old book of R.W. van Bemmelen is still widely referred to, although it utilizes old geological concepts and only a small amount of data. Research activities then grew actively in the region, resulting in new concepts and a better understanding of the area. So far,

however, no comprehensive publication utilizing modern concepts and a larger amount of data replaces van Bemmelen's publication.

The seminar will be held on 15-20 March, 1999, in Bandung, West Java, Indonesia, covering all aspects of tectonics and sedimentation of Indonesian basins. Technical papers covering these aspects will be presented. The papers will be published shortly after the seminar as a special publication of IAGI. The seminar will consist of lectures, posters, workshop, course, field trip, and book exhibition.

For further information please contact:

*Herman Darman,
S. Widjojo Centre, 4th flr.; Jl. Jend.
Sudirman 71, Jakarta Selatan 12190,
Indonesia,
Tel: (62 21) 5203900,
Fax: (62 21) 5223282,
E-mail:
herman.h.darman@msmail.epx22.
shlindjak.simis.com*

INTERNATIONAL SYMPOSIUM ON EVAPORITES AND CARBONATE-EVAPORITE TRANSITIONS

LVIV (UKRAINE), SEPTEMBER 7-13, 1999

The purpose of the Symposium is to discuss the problems of geology, geochemistry, petrography of evaporites and carbonates connected with them, sedimentary and diagenetic aspects of carbonate-evaporite transitions and also the genesis and construction of salt, sulphur, hydrocarbon deposits, hydrogeological and ecological problems of evaporite deposits.

The abstracts of oral and poster presentations will be published in a special issue of *Przeglad Geologiczny* (Poland). The official language of the Symposium will be English.

Preliminary timetable

September 7 to 10, Pre-symposium excursion (Neogene evaporites of the Carpathian Foredeep: potash pit mine, gypsum outcrops and cave, limestone outcrops)

September 11 to 12, Symposium

September 13, Post-symposium excursion (Middle Miocene gypsum and limestone outcrops and sulphur mine).

Sponsoring

International Association of Sedimentologists, National Academy of Sciences of Ukraine.

Organising Committee

Stepan-Orest O. Lyzoon (Chair-man),
Inst. of Geol., Geochem. Comb.
Miner. (Ukraine).

Tadeusz M. Peryt, Polish Geological
Institute.

Volodymyr M. Kovalevich, Inst. of
Geol. Geo-chem. Comb. Miner.
(Ukraine).

Elena Khmelevska (Secretary), Inst. of
Geol. Geochem. Comb. Miner.
(Ukraine).

*E. Khmelevska,
Institute of Geology and
Geochemistry of Combustible
Minerals,
Naukova st., 3a, 290053, Lviv,
Ukraine,
Fax: + 380 322 63 22 09,
E-mail: igggk@ah.ipm.lviv.ua*

CALENDAR

GEOLOGICAL APPLICATIONS OF WIRELINE LOGS (GAWL III)

January 20-22, 1999

UNITED KINGDOM (London)

Contact: Neil Parkinson

Tel: / Fax: +44 181 296 93 72

Email: neil.parkinson@dial.pipex.com

or

Mike King, Imperial College, London, SW7
2BP, U.K.

Tel: +44 171 594 73 30

Fax: +44 171 594 74 44

Email: m.s.king@ic.ac.uk

7TH MEETING OF SWISS SEDIMENTOLOGISTS

January 30, 1999

SWITZERLAND (Fribourg)

Contact: André Strasser, Institut de
Géologie, Pérolles, 1700 Fribourg,
Switzerland.

Tel: +41 26 300 89 78

Fax: +41 26 300 97 42

E-mail: andreas.strasser@unifr.ch

GLACIAL-INTERGLACIAL SEALEVEL CHANGES IN FOUR DIMENSIONS: QUATERNARY SEA LEVELS, CLIMATE CHANGE AND CRUSTAL DYNAMICS

February 13-18, 1999

PORTUGAL (Albufeira)

Contact: Josip Hendekovic,
European Science Foundation,
1, quai Lezay-Marnésia,
F-67080 Strasbourg Cedex, France.

Tel: +33 388 76 71 35

Fax: +33 388 36 69 87

E-mail: euresco@esf.org

Web site: <http://www.esf.org/euresco>

1999 LYELL MEETING ORGANISM-ENVIRONMENT FEEDBACKS IN CARBONATE PLATFORMS AND REEFS

March 1-2, 1999

UNITED KINGDOM (London)

Contact: Enzo Insalaco, School of Earth Sci-
ences, The University of Birmingham, Edg-
baston, B15 2TT, U.K.

Tel: +44 121 414 6163

E-mail: e.insalaco@bham.ac.uk

THIRD SEMINAR ON THE COASTAL ZONE OF PORTUGAL

March 2-6, 1999

PORTUGAL (Porto)

Contact: Associação Eurocoast - Portugal,
Instituto de Hidráulica e Recursos Hídricos,
Faculdade de Engenharia do Porto,
Rua dos Braga,

4099 Porto Codex, Portugal.

Tel: +351 220 50 870

Fax: +351 220 59 280

INTERNATIONAL WORKSHOP ON SEDIMENT TRANSPORT AND STORAGE IN COASTAL SEA-OCEAN SYSTEM

March 15-19, 1999

JAPAN (Tsukuba)

Contact: Yoshiki Saito

Marine Geology Departement, Geological
Survey of Japan, Higashi 1-1-3, Tsukuba,
Ibaraki 305-8567, Japan.

Tel: +81 298 54 37 72

Fax: +81 298 54 35 33

Email: yoshi@gsj.go.jp

**REGIONAL SEMINAR ON
TECTONICS AND SEDIMENTATION
OF INDONESIA**

March 15-20, 1999

INDONESIA (Bandung)

Contact: Herman Darman

S. Widjojo Centre, 4th flr.; Jl. Jend.

Sudirman 71, Jakarta Selatan 12190,

Indonesia.

Tel: +6221 520 39 00

Fax: +6221 522 32 82

Email:

herman.h.darman@mssmail.epx22.shlindjak.

simis.com

**15ÈME COLLOQUE DES BASSINS
SÉDIMENTAIRES MAROCAINS**

April 27-29, 1999

MOROCCO (Oujda)

Contact: M. Bouabdellah or B. Ouahhabi,

Secrétariat du 15ème Colloque des Bassins

Sédimentaires Marocains,

Faculté des Sciences,

Département de Géologie,

Route Sidi Mâafa BP 524, Oujda 60000

Maroc.

Tel: +21 26 744748

Fax: +21 26 744749

E-mail: bouabdellah@sciences.univ-

oujda.ac.ma

**SEMINAR ON THE COASTAL ZONE
OF THE ALENTEJO**

June 17-19, 1999

PORTUGAL (Sines)

Contact: Associação Eurocoast - Portugal,

Instituto de Hidráulica e Recursos Hídricos,

Faculdade de Engenharia do Porto,

Rua dos Braga,

4099 Porto Codex, Portugal.

Tel: +351 220 50 870

Fax: +351 220 59 280

**ICHTNOFABRICS IN PETROLEUM
GEOLOGY 1999**

July 12-14, 1999

SCOTLAND (Aberdeen)

Contact 1: Stuart G Buck, Mark J. F.

Lawrence, Z&S Geology Ltd., Campus 2,

Aberdeen Science and Technology Park,

Balgownie Drive, Bridge of Don, Aberdeen,

AB22 8GU, U.K.

Tel: +44 122 48 22 555

Fax: +44 122 48 23 777

E-mail: stuart.buck@zands.com

or: mark.lawrence@zands.com

Contact 2: Nigel H. Trewin,

Department of Geology & Petroleum

Geology, Meston Building, King's College

University of Aberdeen, Aberdeen,

AB24 3UE, U.K.

Tel: +44 122 42 73 448

Fax: +44 122 42 72 785

E-mail: n.trewin@geol.abdn.co.uk

THE BATHURST MEETING

July 12-15, 1999

UNITED KINGDOM (Cambridge)

Contact: Dr. J.A.D. Dickson, Dept. of Earth

Sciences, University of Cambridge, Downing

St., Cambridge, CB2 3EQ, U.K.

Tel: +44 122 33 33 400

Fax: +44 122 33 33 450

E-mail: jadd1@esc.cam.ac.uk

First circular and registration available through

Web site:

<http://www.campublic.co.uk/science/>

conference/bathurst

**5TH INTERNATIONAL ICHNOFABRIC
WORKSHOP AND FIELD SEMINAR**

July 15-20, 1999

ENGLAND (Manchester)

Contact: John Pollard, Department of Earth
Sciences, University of Manchester,
Manchester, M13 9PL, U.K.

Tel: +44 161 27 53 817

Fax: +44 161 27 53 947

E-mail: john.pollard@man.ac.uk

IAMG'99

**5TH ANNUAL CONFERENCE OF THE
INTERNATIONAL ASSOCIATION OF
MATHEMATICAL GEOLOGISTS**

August 6-11, 1999

NORWAY (Trondheim)

Contact: Stephen Lippard,
Department of Geology and Mineral
Resources Engineering,
Norwegian University of Science and
Technology (NTNU),
7034 Trondheim, Norway.

Tel: +47 73 59 48 28

Fax: +47 73 59 48 14

E-mail: iamg99@geo.ntnu.no

Web site:

<http://www.geo.ntnu.no/igb/iamg99/>

**19TH REGIONAL EUROPEAN
MEETING OF SEDIMENTOLOGY**

August 24-26, 1999

DENMARK (Copenhagen)

Contact: Conventum Congress Service, Carit
Etlarsvej 3, DK-1814 Frederiksberg C,
Denmark.

Tel: +45 31 31 08 47

Fax: +45 31 31 63 99

or Lars B. Clemmensen, Geological Institute,
Øster Voldgade 10,

DK-1350 Copenhagen K, Denmark.

Tel: +45 35 32 24 49

E-mail: larsc@geo.geol.ku.dk

**BIOGEO-IMAGES 99 – IMAGE
ANALYSIS AND MORPHOMETRY OF
GEOLOGICAL OBJECTS: FROM
FOSSILS TO ROCK FORMING
FEATURES**

September 6-9, 1999

FRANCE (Dijon)

Contact: E.P. Verrecchia,
U.M.R. 5561 C.N.R.S. Biogéosciences,
Université de Bourgogne,
6, Boulevard Gabriel,
21000 Dijon, France.

Tel: +33 380 39 63 72

Fax: +33 380 39 63 87

E-mail: everrecc@u-bourgogne.fr

Web site: <http://www.u-bourgogne.fr/BIOGEOSCIENCE/eric.html>

**INTERNATIONAL SYMPOSIUM ON
EVAPORITES AND CARBONATE-
EVAPORITE TRANSITIONS**

September 7-13, 1999

UKRAINE (Lviv)

Contact: E. Khmelevska, Institute of
Geology and Geochemistry of Combustible
Minerals, Naukova st., 3a, 290053, Lviv,
Ukraine.

Fax: 00380 322 63 22 09

E-mail: iggk@ah.ac.uk

**14TH ARGENTINE GEOLOGICAL
CONGRESS**

September 19-24, 1999

ARGENTINA (Salta)

Contact: G. Gonzalez-Bonorino,
Geologia, Universidad Nacional de Salta,
Salta (4400), Argentina.

Fax: +54 87 25 54 83

E-mail: xivcga@ciunsa.edu.ar

Web site:

<http://www.unsa.edu.ar/eventos/xivcga>

**5TH INTERNATIONAL CONGRESS
ON RUDISTS**

September 26-30, 1999

Post-conference excursion to the Alps:

October 1-6, 1999

GERMANY (Erlangen)

Contact: Richard Höfling,

Institut für Paläontologie,

Universität Erlangen-Nürnberg,

Loewenichstrasse 28,

D-91054 Erlangen, Germany.

Tel: +49 91 31 85 22 710

Fax: +49 91 31 85 22 690

E-mail: richie@pal.pal.uni-erlangen.de

**SEMINAR ON THE ESTUARIES OF
PORTUGAL AND THE PLANS OF THE
HYDROLOGICAL BASINS**

October 13-15, 1999

PORTUGAL (Laboratório Nacional de
Engenharia Civil, Lisboa)Contact: Associação Eurocoast - Portugal,
Instituto de Hidráulica e Recursos Hídricos,
Faculdade de Engenharia do Porto,

Rua dos Braga,

4099 Porto Codex, Portugal.

Tel: +351 220 50 870

Fax: +351 220 59 280

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**PALEOCEANOLOGY OF REEFS AND
CARBONATE PLATFORMS: MIOCENE
TO MODERN**

September 27-30, 1999

FRANCE (Aix-en-Provence)

Contact: Gilbert F. Camoin, CEREGE, B.P.
80, F-13545 Aix-en-Provence, cedex 4.

Fax: +33 4 42 97 15 49

E-mail: camoin@cerege.fr

**2ND LATIN AMERICAN
SEDIMENTOLOGICAL CONGRESS
8TH ARGENTINIAN MEETING OF
SEDIMENTOLOGY**

March 14-17, 2000

ARGENTINA (Mar del Plata)

Contact: Centro de Investigaciones
Geológicas,Facultad de Ciencias Naturales y Museo,
Universidad Nacional de La Plata,

Calle 1 N° 644,

1900, La Plata, Argentina.

Tel: +54 21 21 56 77

Fax: +54 21 25 86 96

E-mail: latinsed@cig.museo.unlp.edu.ar

Web site:

<http://cig.museo.unlp.edu.ar/congreso/>