

IAS

NEWSLETTER

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GILL HARWOOD MEMORIAL FUND

In memory of Dr. Gill Harwood, who died earlier this year, the British Sedimentological Research Group is establishing the "Gill Harwood Memorial Fund". In keeping with Gill's spirit of global adventure, and knowing that she would want other young women to share in some of the opportunities she pursued, this fund will be used to give financial assistance to female graduate students and sedimentologists of any nationality, under the age of 30, who wish to attend an international sedimentological meeting or undertake sedimentological field work.

If you would like to contribute to this fund please could you send a

cheque payable to "The Gill Harwood Fund" to either:

Dr. Jan Alexander (BSRG Chairperson), School of Environmental Sciences, University of East Anglia, Norwich, NR4 7TJ, U.K., or,

Dan Bosence, The Department of Geology, Royal Holloway University of London, Egham, Surrey, TW20 OEX, U.K.

*Dan Bosence,
London, U.K.*

13TH COLLOQUIUM ON SEDIMENTARY BASINS OF MOROCCO, 19 - 22 APRIL 1996, MARRAKESH

Since 1983, when the first meeting was held at the Faculty of Sciences in Marrakesh, Colloquia on the Sedimentary Basins of Morocco are organized in turn by the Moroccan Faculties of Sciences. They constitute an important meeting point for the Moroccan geological community from universities, industry, and public domain, and they permit to exchange the newest scientific results and techniques concerning Moroccan geology. This year, the meeting was hosted by the Faculty of Sciences Semlalia and the Faculty of Sciences and Technology Guéliz of the Cadi-Ayyad University, in collaboration with the Working Group on Moroccan Sedimentary Basins.

The scientific themes included fundamental and applied geology of the sedimentary basins (sedimentology, geodynamics, geochemistry, geophysics), as well as analyses of mineral deposits, quarries, aquifers, desertification, natural disasters, protection of the geological heritage, and environmental issues.

In addition to the scientific sessions, two excursions were held. They focalized on the geodynamic and geologic evolution of the Safi Basin and the northern slope of the

High Atlas of Marrakesh (Oukaimeden and Aït-Ourir areas).

More than 100 participants attended the Colloquium, coming from various Moroccan institutions (Faculties of Sciences, Ministry of Energy and Mines, ONAREP, OCP, ONA Pôle Mines, and others) as well as from Tunisia, France, Spain, and Canada.

This meeting was scientifically sponsored by the International Association of Sedimentologists. Technical and financial support was offered by the Cadi-Ayyad University (Faculty of Sciences Semlalia and Faculty of Sciences and Technology Guéliz), by ONA Pôle Mines (Casablanca), by OCP (Casablanca), by Société Guy Moyat (Casablanca), by Société Boyer (Casablanca), by Société Coca-Cola (Marrakesh), and by Société Sim (Marrakesh).

*El Hassane Chellai,
Faculté des Sciences Semlalia,
Département de Géologie,
B.P. S15,
Marrakesh, Morocco.*

CONFERENCE REPORT: TIDALITES '96 MAY 12-16, 1996, SAVANNAH, GEORGIA (U.S.A.)

Nearly 100 participants attended an outstanding program of 62 oral papers and 16 poster presentations in Savannah, Georgia. This meeting, jointly sponsored by IAS and SEPM, was arguably the 4th International Conference on Tidal Sedimentology. The previous ones were held in the Netherlands (1985), Calgary, Canada (1989) and Wilhelmshaven, Germany (1992). I say arguable because in February 1973, Robert Ginsburg organized a conference on tidal sedimentology that was held in Miami and led to the well-known volume *Tidal Deposits* published in 1975. Each of the other conferences has also produced an excellent volume of papers.

The meeting in Savannah was preceded by two field trips; to the Florida Gulf coast and to Sapelo Island, Georgia. After the meeting there were trips to the coast of South Carolina and to the San Juan Basin in New Mexico. Two one-day trips to Tybee Island and the Okefenokee Swamp were held during the meeting. The main attraction was the three-day technical program. George D. Klein provided a keynote address on retrospectives of tidal sedimentology. As one of the pioneers of process sedimentology applied to tidal environments, George has made a number of important contributions including

coining the term for which the meeting was named. Two theme sessions were held; one on the Wadden Sea organized by B.W. Flemming and J. Bartholdy and the other on the Cretaceous of the Mid-Continent of North America organized by D. Nummedal and D. J. P. Swift.

Meeting participants included a nice mix of academic, government and petroleum company personnel, and independent consultants. Several students were in attendance and a few were on the program. A total of 15 countries was represented from all continents but Australia. The combination of social activities, outstanding technical presentations and lively discussions produced a very stimulating few days.

The meeting was organized and hosted through the efforts of V.J. Henry, General Chair, Richard A. Davis, Technical Program Chair, and Clark Alexander, Field Trip Chair. Attendees elected to produce a proceedings volume under the editorship of the three co-organizers with Clark Alexander as lead editor.

An invitation to hold the next meeting in Korea in the year 2000 was submitted by Yong Ahn Park and his delegation from Korea and was unanimously accepted by the participants. We look forward to

another fine meeting on the Korean tidal flats at the turn of the century.

*Richard A. Davis, Jr.,
University of South Florida,
Tampa, Florida.*

CARBONATES AND GLOBAL CHANGE: AN INTERDISCIPLINARY APPROACH

The SEPM/IAS Research Conference "Carbonates and Global Change: an Interdisciplinary Approach" was held in Wildhaus, Switzerland, June 22-27, 1996. The Conference was attended by 106 participants including academic and industrial researchers and geoscientists from all over the world. The gathering was truly a global one, with 22 countries represented, including Australia, Bahamas, Belgium, Canada, Czech Republic, Finland, France, Germany, Hungary, India, Israel, Italy, Netherlands, New Zealand, Peru, Russia, Slovakia, Spain, Switzerland, United Kingdom, United States, and Venezuela.

The first three days of the conference included 13 keynote talks, 24 oral and 43 poster presentations. The respective theme for each day was: 1) Oceanographic and biologic aspects of carbonate systems, 2) Controls over carbonate platform growth and demise, and 3) Platform response to changes in the ocean and atmosphere. Oral and poster sessions on the first day focused on biological and geochemical aspects of modern

oceans. The second and the third day were dedicated to examples of the role of C-isotopes, diagenesis, upwelling, circulation changes, and temperature in investigating Miocene to Precambrian platform to basin carbonate systems.

Topics 2) and 3) were also discussed during a one-day field trip to the Chäserrugg, which took place on the fourth day of the conference. In addition, several participants also took part in one of the pre- and two post-conference excursions.

A major point that emerged was the disparity of the available knowledge in the response of pelagic and shallow water carbonates to oceanographic and climatic changes. Everyone agreed that further research is needed to better understand the response of modern shallow water carbonate systems to oceanographic changes. This research will help to provide more refined lithological, biological and geochemical criteria, needed to interpret the impact of past oceanographic changes on ancient shallow water carbonate

sequences. However, it was recognized that the temporal resolution is different for different geological periods. Thus, the paleoclimatic and paleoceanographic information that can be derived from modern and ancient carbonate will vary.

It was discussed that we need to have different models, and that ancient platforms may not have modern analogues. Other ancient platforms may be better examples to explain facies, biota and chemical trends

(e.g., Cambrian and Ordovician, Precambrian and late Paleozoic).

Abstracts books are available through IAS. Please contact the Convenors if you wish to have more information regarding the conference or the field trips.

Maria Mutti,
A.J. (Toni) Simo,
H. Weissert,
P. Baker.

NEWS OF THE INTERNATIONAL YEAR OF THE REEF, 1997

For those not familiar with the goals of IYOR, this is a major effort in capacity building for reef management, outreach and education, research on reef degradation and its causes, assessment of reef condition and sustainable reef management. It will provide a global context for national and regional efforts and will promote collaboration between organisations and programmes with common interests, providing an umbrella for a wide variety of reef-related activities in research, education, management, tourism etc.

IYOR is not a top-down organisation with a large central office; it is instead a grass-roots effort with

emphasis on regional and local initiatives, and is relying on individuals and groups to achieve its aims. Groups are encouraged to establish their own committees and develop initiatives appropriate to their locations. IYOR groups have been formed or are being formed in several parts of the world already (see below). Suggestions for organizing a committee appear in the current issue of *Reef Encounter*.

Updates on IYOR activities will be provided from time to time on relevant List Servers. At this time, IYOR does not have a full-time resource person to answer all inquiries, but our volunteer leaders will do their best to answer questions

and provide advice. Most of us will be away for extended periods and thus there will be delays in responding. The IYOR Web page is being updated and hotlinks to other relevant Web pages are being created; contact Stephen Colwell for further information (address below).

FORMAL ANNOUNCEMENT OF IYOR IN PANAMA

IYOR was formally announced at the 8th International Coral Reef Symposium in Panama, at the end of June this year. Almost all of the 1400 participants, from numerous countries, including most of the world's leading reef scientists signed the IYOR Pledge of support for conservation, education and assessments of reef condition.

An IYOR booth attracted continuous attention throughout the meeting, and distributed a range of materials. A press event attracted television stations, magazines and newspapers and IYOR received good coverage in Latin America and the Caribbean. Copies of the press release are available from Stephen Colwell. The handsome IYOR logo designed by the Scripps Institute was a big hit with participants as it appeared on buttons and a T-shirt. Organisations wishing to use the logo in connection with IYOR activities should ask for an application form from one of the people listed below. An English leaflet on IYOR has been

produced and is being distributed. Further print-runs in other languages, as well as country- and region-specific versions, are being planned.

IYOR was designated a sanctioned activity of the International Coral Reef Initiative (ICRI) and assigned responsibility for public awareness of the Initiative's 1997 Program. The all-day IYOR Symposium on rapid assessments of benthos and fishes and various impacts was well received. Some 20 researchers from around the Western Atlantic met during the symposium and enthusiastically endorsed the idea of assessing the condition of reefs remote from centres of population. Information on this initiative, termed WARRS (Western Atlantic Remote Reef Survey) will be posted on the Coral List Server.

Two meetings of those interested in education were well attended and the participants voiced strong support for developing a clearing house with information on all available teaching aids.

IYOR-related activities also promoted at Panama included: ReefBase, the global database on coral reefs, now available from ICLARM on CD-ROM together with a comprehensive manual. For information contact John McManus, j.mcmanus@cgnet.com

The Global Coral Reef Monitoring Network (GCMRN) was

launched and is developing plans for a network of monitoring sites worldwide. Information brochure available from Clive Wilkinson: c.wilkinson@pearl.aims.gov.au

A poster map of the world's coral reef and mangroves, prepared by the World Conservation Monitoring Centre, is available in English or Spanish from Alastair Grenfell: a.grenfell@wcmc.org.uk

Further information about IYOR from:

Robert N. Ginsburg, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacher Causeway, Miami, FL 33149, U.S.A. Phone: +1305 361 4875; Fax: +1305 361 4094 or 4632; E-mail: rginsburg@rsmas.miami.edu

*R.N. Ginsburg,
Miami.*

ADVANCED TECHNIQUES IN PROVENANCE ANALYSIS OF SEDIMENTARY ROCKS

At the EUG 9 to be held in Strasbourg, France, on March 23-27, 1997, a session on 'Advanced techniques in provenance analysis of sedimentary rocks' will be convened by Peter Floyd, University of Keele, and myself, Heinrich Bahlburg, Universität Heidelberg. We invite contributions to all aspects of provenance analysis within the framework given below:

The study of sedimentary provenance developed into a multi-disciplinary field combining advanced optical and geochemical techniques with field based sedimentology. Progress in the study of the origin of single grains as well as of geochemical and isotopic systems of whole rocks help to elucidate the composition and nature of sometimes obscured provenance areas. In combination with the study of weathering and transport effects as well as diagenetic and metamorphic alteration of the original components, provenance studies are instrumental in the characterization of the geodynamic evolution of sedimentary basins as depositional sites. This session is conceived to bring together specialists from different fields of the geosciences such as sedimentology,

geochemistry, petrology and related disciplines to discuss advances in provenance analysis with regard to the preservation or loss of provenance information and the processes linking sites of origin with areas of deposition.

Please direct inquiries referring to this session to:

Heinrich Bahlburg, Geologisch-Paläontologisches Institut, Ruprecht-Karls-Universität, Im Neuenheimer Feld 234, D-69120 Heidelberg, Germany. Phone: +49 6221 548295, Fax: +49 6221 545503, E-mail: heinrich.bahlburg@urz.uni-heidelberg.de

or

Peter A. Floyd, Department of Geology, University of Keele, Staffordshire ST5 5BG, United Kingdom. Phone: (44)-1782-583175, Fax: (44)-1782-715261, E-mail: ggal8@cc.keele.ac.uk

*Heinrich Bahlburg,
Heidelberg,
Germany.*

NEOGENE MEDITERRANEAN PALEOCEANOGRAPHY 28-30 SEPTEMBER, 1997, ERICE, SICILY

An International Conference on Neogene Mediterranean Paleooceanography will be held in Erice (Trapani, Sicily) under the auspices of the International School of Applied Geophysics, c/o "Ettore Majorana Center for Scientific Culture" on 28-30 September, 1997, preceded by a 3-day field trip. The meeting will be sponsored by the Geological Society of Italy and the European Consortium for the Ocean Drilling (ECOD).

Convenors are: M.B. Cita (University of Milano), representing the Geological Society of Italy and J.A. McKenzie (ETH, Zurich), representing the ECOD-ESCO (ESF Scientific Committee for the ODP).

The aim of the conference is to discuss and improve our knowledge of the post-alpine orogeny evolution of Mediterranean paleoceanography, taking into account the results of the ODP Legs 160 and 161 which were dedicated in part to unravel the origin of Mediterranean sapropels.

Session leaders will be appointed to focus discussion on problems related to physical oceanography, inorganic geochemistry, cyclic stratigraphy, sequence stratigraphy, paleoecology, and paleoclimatology and to eventually prepare a synthesis

of events related to specific time-slices, e.g. present day, last deglaciation, glacial-interglacial Quaternary, Pliocene climatic deterioration, early Pliocene flooding, Messinian Salinity Crisis, and Miocene paleoceanographic evolution with special emphasis on the interruption of the communications with the Indian Ocean, and the effects of the onset of monsoon regime conditions.

The field trip will focus on the following themes:

1 - Paleooceanographic conditions leading to cyclic sedimentation in pre-salinity crisis time;

2 - Messinian Salinity Crisis: cyclic sedimentation in basinal and piggy-back setting;

3 - Paleooceanographic conditions leading to cyclic sedimentation in post-salinity crisis time.

The number of the conference participants is limited to 100 persons. Total cost for 3-day stay in Erice will be 400 US\$. The excursion will be limited to 50 persons and will cost approx. 350 US\$ for transportation, room and meals.

Contact: see Calendar.

*J.A. McKenzie, Zurich,
M.B. Cita, Milano.*

CALENDAR

BRITISH SEDIMENTOLOGICAL RESEARCH GROUP

Annual General Meeting

December 14-17, 1996

IRELAND (Dublin)

Contact: John Graham, Department of Geology,

Trinity College Dublin, Dublin 2, Ireland

Tel: +3531-608 10 74

Fax: +3531 671 11 99

E-mail: jrgraham@tcd.ie

ALLUVIAL SOILS & PALAEOSOLS

British Sedimentological Research Group Workshop

December 14th, 1996

Part of the BSRG '96 AGM at Trinity College Dublin, December 14-17

Contact: Gareth Jenkins,

Dept. of Earth Sciences, Cardiff University,

PO Box 914, Cardiff

CF1 3YE, U.K.

E-mail: sglgj@cardiff.ac.uk

5TH MEETING OF THE MOLASSE WORKING GROUP

January 24, 1996

SWITZERLAND (Fribourg)

Contact: Jean-Pierre Berger, Institut de Géologie, Pérolles, 1700 Fribourg, Switzerland.

Tel: +41 26 300 89 75

Fax: +41 26 300 97 42

5TH MEETING OF SWISS SEDIMENTOLOGISTS

January 25, 1996

SWITZERLAND (Fribourg)

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

Tel: +41 26 300 89 78

Fax: +41 26 300 97 42

1ST AUSTRALASIAN SEDIMENTOLOGY CONFERENCE

February 2-4, 1997

AUSTRALIA (Geelong, Victoria)

Contact: Tom Bernecker, School of Earth Sciences, University of Melbourne, Melbourne, Australia.

Tel: +61 3 9344 6529

Fax: +61 3 9344 7761

E-mail:

t.bernecker@earth_sciences.unimelb.edu.au

GEOFLUIDS II

March 10-14, 1997

U.K. (Belfast)

Contact: J. Parnell, School of Geosciences, The Queen's University of Belfast, Belfast BT7 1NN, U.K.

Tel: +44 1232 335148

Fax: +44 1232 321280

E-mail: J.Parnell@qub.ac.uk

PETROLEUM SYSTEMS OF S.E. ASIA & AUSTRALIA

May 21-23, 1997

INDONESIA (Jakarta)

Contact: Ron Noble, Arco Indonesia Inc., P.O. Box 260888, Plano TX 75026 U.S.A.

Tel: +62 21 521 9028

Fax: +62 21 521 9063

E-mail: moble@is.arco.com

SEDIMENT '97

May 21-24, 1997

GERMANY (Cologne)

Contact: W. Ricken, Dept. of Geology, University of Cologne, Zùlpicher Str. 49a, D-50674 Köln, Germany.

Tel: +49 221 470 2537

Fax: +49 221 470 5149

E-mail: sediment97@uni-koeln.de

UNRAVELLING TECTONIC AND CLIMATIC SIGNALS IN SEDIMENTARY SUCCESSIONS

June 26-27, 1997

U.K. (at Burlington House, London)
Contact: Lynne Frostick or Martyn Pedley,
Research Institute for Environmental
Science and Management, University of
Hull, Cottingham Road, Hull HU6
7RX, U.K.

Tel: +44 1482 465385

Fax: +44 1482 466340

PALEOFORAMS '97

Study of Paleozoic Foraminifera

August 17-21, 1997

U.S.A. (Bellingham, WA)

Contact: Charles A. Ross, Dept. of
Geology, Western Washington University,
Bellingham, WA 98225-9080, U.S.A.

Tel: +1 360 650 3634

Fax: +1 360 650 3148

E-mail: rossjrp@henson.cc.wvu.edu

MUDDY COASTS 97

September 1-5, 1997

GERMANY (Wilhelmshaven)

Contact: B.W. Flemming, Senckenberg
Institute, Schleusenstrasse 39a, 26382
Wilhelmshaven, Germany.

Tel: +49 4421 9475 0

Fax: +49 4421 9475 50

18TH IAS REGIONAL MEETING OF SEDIMENTOLOGY

September 2-4, 1997

GERMANY (Heidelberg)

Contact: Thilo Bechstaedt, Geologisch-
Paläontologisches Institut, Univ.
Heidelberg, Im Neuenheimer Feld 234,
D-69120 Heidelberg, Germany.

Tel: +49(0)6221 548292, 545989 (secr.)

Fax: +49(0)6221 545503

E-mail: thilo.bechstaedt@urz.uni-
heidelberg.de

IAS-ASF INTERNATIONAL WORKSHOP ON MICROBIAL MEDIATION IN CARBONATE DIAGENESIS

September 22-24, 1997

FRANCE (Chichilianne near Grenoble)
Contacts: Gilbert F. Camoin, CEREGE,
B.P. 80, F-13545 Aix-en-Provence,
France.

Tel: +33 04 42 97 15 14

Fax: +33 04 42 97 15 49

E-mail: camoin@cerege.fr

or

Annie Arnaud-Vanneau, Université J.
Fourier, Institut Dolomieu, Rue Maurice
Gignoux, 38031 Grenoble cedex, France.

Tel: +33 04 76 63 59 07

Fax: +33 04 76 87 82 43

E-mail: aarnaud@ujf-grenoble.fr

6th INTERNATIONAL CONFERENCE ON FLUVIAL SEDIMENTOLOGY

September 22-27, 1997

SOUTH AFRICA (Cape Town)

Contact: Sally Elliott

The Conference Organiser, 6 ICFS,
Postgraduate Conference Division,
UCT Medical School, Observatory 7925,
South Africa.

Tel: +27 21 406 6911/ 406 6381

Fax: +27 21 448 6263

Email: sally@medicine.uct.ac.za

NEOGENE MEDITERRANEAN PALEOCEANOGRAPHY

September 28-30, 1997

ITALY (Erice, Sicily)

Contact: Eva Pour, ETH-Zentrum,
Geologisches Institut, Sonneggstrasse 5,
Zurich, Switzerland.

Tel: +41 1 632 3680

Fax: +41 1 632 1030

E-mail: pour@erdw.ethz.ch

**IAS/SEPM MEETING ON
ENVIRONMENTAL
SEDIMENTOLOGY**

Oktober 27-29, 1997

ITALY (Venice)

Contact: Maurizio Bonardi, CNR-ISDGM,
Venice, S. Polo 1364, 30125 Venezia, Italy.

Tel: +39 41 52 16 879

Fax: +39 41 26 02 340

E-mail: mbonardi@ocean.isdgm.ve.cnr.it

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**1ST LATIN AMERICAN
CONGRESS OF SEDIMENTOLOGY
8TH VENEZUELAN CONGRESS
OF GEOLOGY**

November 9-12, 1997

VENEZUELA (Margarita Island)

Contact: Mounir Mahmoudi,

Laboratorio Geológico El Chaure, Corpoven
Puerto La Cruz, Edo. Anzoátegui,
Venezuela.

Tel: +58 81606450

Fax: +58 81606445

**15TH INTERNATIONAL
SEDIMENTOLOGICAL CONGRESS**

April 13-17, 1998

SPAIN (Alicante)

Contact: Salvador Ordoñez, Dep. de
Ciencias de la Tierra y Medio Ambiente,
Facultad de Ciencias, Universidad de
Alicante, Ap. 99, 03080 Alicante, Spain.

Tel: +34 65 90 35 52

Fax: +34 65 90 35 52

E-mail: ctierra@vm.cpd.ua.es

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GEOCONGRESS '98

Geological Society of South Africa

July 8-10, 1998

SOUTH AFRICA (Pretoria)

Contact: The Secretary: Sedimentology
Division, c/o M.J. Schweitzer, P.O. Box
91230, Auckland Park 2006, South Africa.

Tel: +27 11 358 0174

Fax: +27 11 482 1214

E-mail: jschweit@csir.co.za

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