

# IAS NEWSLETTER

Nº 131 April 1994



Musk Ox crossing

Dovre  
Norway

# IAS NEWS

---

## THREE NEW IAS PUBLICATIONS

---

NEW

# DOLOMITES

A Volume in Honour of Dolomieu

Special Publication of the IAS 21

Edited by B H Purser, M E Tucker and D H Zenger

This volume contains 23 state-of-the-art papers presented at the Dolomieu Conference on Carbonate Platforms and Dolomitization held in September 1991 in Ortisei, Italy. The conference was co-sponsored by the International Association of Sedimentologists (IAS) and the Society for Sedimentary Geology (SEPM), and marked the 200th anniversary of the 1791 paper by Deodat de Dolomieu describing dolomite in detail for the first time. The papers presented do not aim to give a complete review of the current state of dolomitic research, but rather discuss important advances and gaps in our knowledge of dolomitization.

**Contents:** Introduction: Problems, progress and future research concerning dolomites and dolomitization; Dolomieu and the first description of dolomite; Summary; **Sabkha, Evaporitic and Reflux Dolomitization Models:** Safina sedimentation and diagenesis: West Caicos Island, British West Indies; Mechanisms of complete dolomitization in a carbonate shelf: comparison between the Novian Dolomia Principale (Italy) and the Holocene of Abu Dhabi Sabkha; Changing dolomitization styles from Norian to Rhaetian in the southern Tethys realm; Distribution, petrography and geochemistry of early dolomite in cyclic shelf facies, Yates Formation (Guadalupian), Capitan Reef Complex, USA; **Mixing Zone and Seawater Dolomitization Models:** Dolomitization by near-normal seawater? Field evidence from the Bahamas; Late Cenozoic dolomites of the Bahamas: metastable analogues for the genesis of ancient platform dolomites; Dolomitization caused by water circulation near the mixing zone: an example from the Lower Viséan of the Campine Basin (northern Belgium); **Burial Dolomitization Models:** Burial dolomitization of the Middle Ordovician Glenwood Formation by evaporitic brines, Michigan Basin; Petrographic, geochemical and structural constraints on the timing and distribution of postlithification dolomite in the Rhaetian Portoro ('Calcare Nero') of the Portovenere Area, La Spezia, Italy; Has burial dolomitization come of age? Some answers from the Western Canada Sedimentary Basin; Burial and hydrothermal diagenesis of Ordovician carbonates from the Michigan Basin, Ontario, Canada; Progressive recrystallization and stabilization of early-stage dolomite: Lower Ordovician Ellenburger Group, west Texas; **Dolomite Reservoirs:** Nature, origins and evolution of porosity in dolomites; Permeability and porosity evolution in dolomitized Upper Cretaceous pelagic limestones of central Tunisia; Porosity evaluation through hypersaline reflux dolomitization; **Petrology and Geochemistry of Dolomites:** Synthesis of dolomite and geochemical implications; Discontinuous solid solution in Ca-rich dolomites: the evidence and implications for the interpretation of dolomite petrographic and geochemical data; Rates of dolomitization: the influence of dissolved sulphate; Pervasive dolomitization of a subtidal carbonate ramp, Silurian and Devonian, Illinois Basin, USA; **Dolomitization and Organic Matter:** Organic matter distribution, water circulation and dolomitization beneath the Abu Dhabi Sabkha (United Arab Emirates); Burial dolomitization of organic rich and organic poor carbonates, Jurassic of Central Tunisia; Index.

\* March 1994, 464 pages, 279 illustrations

\* Prepublication price for IAS members: Dfl. 60.-

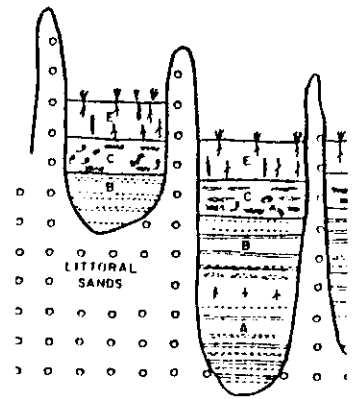
NEW

2

# TECTONIC CONTROLS AND SIGNATURES IN SEDIMENTARY SUCCESSIONS

Special Publication of the IAS 20

Edited by L Frostick and R Steel



Stratigraphers and sedimentologists who are presently describing and interpreting the infill of sedimentary basins are generally agreed that it is difficult to disentangle the signatures of tectonic processes from those of climate and eustatic sea level change in the resultant rock succession. Until better criteria are developed to distinguish between the roles played by the major variables, it is still most useful to document and interpret basin-fill architectures where we know, from independent evidence, that one of the main controls is likely to have been a major contributor. This book contains a collection of papers describing situations where the tectonic setting is fairly well established, and it can be assumed that at least the tectonic factor has contributed to the resultant signatures.

**Contents:** Preface; **Sedimentary Response to Tectonic Events:** The inter-relations of post-collision tectonism and sedimentation in Central Asia; Distribution of Plio-Pleistocene and modern coarse-grained deltas south of the Gulf of Corinth, Greece; Some controls on sedimentary sequences in foreland basins - examples from the Alberta Basin; Stratigraphy and sedimentary development of Saint Llorenç del Munt fan-delta complex (Eocene, S Pyrenean foreland basin, NE Spain); Evidence for Late Holocene relative sea-level fall from stratigraphic studies in an area of earthquake-subsided intertidal deposits, Isla Chiloè, S Chile; **Divergent Plate-Margin Basins:** Sedimentation in divergent plate-margin basins; Sea level changes and extensional tectonics in the Lower Jurassic (northern Helvetic realm, W Switzerland); The Tertiary Queen Charlotte Basin - a strike-slip basin on the western Canadian continental margin; Middle Devonian to Dinantian sedimentation in the Campine Basin (northern Belgium) - its relation to Variscan tectonism; A basin reappraisal of the Proterozoic Torridon Group, NW Scotland; Stratigraphic evolution of a Proterozoic syn-rift to post-rift basin - constraints on the nature of spheric extension in the Mt Isa Inlier, Australia; **Convergent Plate-Margin Basins:** Controls on sedimentation at convergent-plate margins; Tectonosedimentary sequence and arrangement of a major alluvial fan system; Evolution of a Pliocene fan delta - links between the Sorbas & Carboneras Basins, SE Spain; Tectonic generation of low-stand turbidite units in a foreland basin, Marche Appennines, Italy; Tectonic controls on non-marine sedimentation in a Cretaceous forearc basin, Baja California, Mexico; Basin-fill patterns controlled by tectonics and climate - the Neogene "forarc" basins of E Crete; Ancient and modern examples of tectonic escape basins: Archaean Witwatersrand Basin compared with the Maracaibo Basin; Tectonically induced clastic diversion and the origin of thick widespread coal beds (Appalachian and Williston Basins, USA); Plio-Pleistocene outer arc basins in southern Central America (Osa Peninsula, Costa Rica); Mesozoic-Tertiary tectonic and sedimentary evolution of carbonate platforms, margins and small ocean basins in the Antalya Complex of SW Turkey; Growth of a slope ridge and its control on sedimentation - Paola Slope Basin (Eastern Tyrrhenian margin); Sedimentation and tectonics of the Khomas Hochland accretionary prism, along a Late Proterozoic continental margin, Damara sequence, C Namibia.

\* February 1994, 528 pages, 275 illustrations

\* Prepublication price for IAS members: Dfl. 70.-

NEW

## 5th International Conference on Fluvial Sedimentology

*Modern and Ancient Rivers  
Their Importance to Mankind*

5 - 9 July 1993

The University of Queensland  
Brisbane, Australia

CONFERENCE PROCEEDINGS  
Keynote Addresses and Abstracts

\* 1993, 235 pages, IAS code BRA

\* IAS member's price: Dfl. 50.-

## 3 ORDER FORM NEW IAS PUBLICATIONS

NAME: \_\_\_\_\_

IAS MEMBER NUMBER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY/POSTAL CODE: \_\_\_\_\_

COUNTRY: \_\_\_\_\_

	QTY	CODE	SHORT TITLE	cost per unit	
				Dfl.	
				Dfl.	
				Dfl.	
				Dfl.	
<b>TOTAL IN DFL.:</b>					

### PAYMENT - PLEASE READ THIS SECTION CAREFULLY !

*CREDIT CARD PAYMENT is the most convenient mode of payment; if you are not a credit card-owner, ask a friend or colleague who has one, to pay for you!*

**CREDIT CARD** (Request for Dutch: Gaarne giro- of bankoverschrijving!)

- American Express
- Mastercard
- Access
- Eurocard
- Diners Club
- Visa (**Totals over Dfl. 100.-; please use card other than Visa if you have**)

Card expiration date: \_\_\_\_\_

Interspace in groups of digits (as on card)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

In case another person pays for you;  
please give his/her name and have this  
section completed by the cardholder !

Name of credit cardholder: \_\_\_\_\_

Signature of credit cardholder: \_\_\_\_\_

<p><i>If payment by credit card is not possible:</i></p>	<input type="checkbox"/>	<p><b>POSTAL GIRO TRANSFER</b> (Please also return this form) to the Treasurer IAS, Utrecht, Postal giro acc. nr. <b>34.57.400</b>      Date of transfer: _____</p>
	<input type="checkbox"/>	<p><b>MANDAT POSTAL INTERNATIONAL</b> (PLEASE ALSO RETURN THIS FORM) Sent dd.: _____      Mandat nr.: _____</p>
	<input type="checkbox"/>	<p><b>BANK TRANSFER</b> (Please also return this form) in Dutch Guilders to: ABN/AMRO Bank Utrecht, acc. nr. <b>45.10.60.555</b> in US Dollars to: ABN/AMRO Bank Utrecht, US\$ acc. 49.76.09.932 (Convert the Dfl. Total into US \$/at the current rate; e.g.: Oct.'93 Dfl. 60.- = US\$ 33.50)  From which bank?: _____      Date of transfer: _____</p>
	<input type="checkbox"/>	<p><b>CHEQUES:</b> Avoid if possible. If you insist on cheque payment, please <u>add Dfl. 15.-</u> to contribute to bank charges.  Free of extra bank cashing-charges however are <b>EUROCHEQUES</b>; Eurocheque enclosed nr.: _____ Payable to Treasurer IAS</p>

Return this form to:

**IAS/OFFICE OF THE TREASURER**  
Institute of Earth Sciences  
P.O. Box 80.021  
NL 3508 TA UTRECHT  
The Netherlands

This page is the back cover of

the order form

and is supposed to be blank

## GENERAL NEWS

---

### IGCP 344: BIOSEDIMENTOLOGY: CORRELATION OF MICROBIAL BUILDUPS ANNUAL MEETING

**Cretaceous mud-mounds from the French Western Pyrenees**

MAY 30-31, 1994 - ARUDY FRANCE

The IGCP 344 Annual Meeting will be held at Arudy, a French locality of the Western Pyrenees famous for its well developed Albien-Aptian mud-mounds, on Monday 30 and Tuesday 31 May, 1994. The aim of the meeting is:

- synthesis of 1993-1994 activities and projects, by Prof. Cl. Monty, convenor of the IGCP Project;
- lecture sessions on carbonate buildups;
- excursions to the Arudy and Lichançumendy Cretaceous mud-mounds.

For further information see under "**Future meetings**".

## FUTURE MEETINGS

---

### ENVIRONMENTAL SEDIMENTOLOGY:

#### THE INTERACTION OF WATER, SEDIMENTS AND WASTE

April 7-8, 1994

UK (Reading)

Contact: Dr. J. Eyers, Postgraduate Research Inst. for Sedimentology,

Univ. of Reading, Reading, RG6 2AB, UK.

Tel: 0734-318944; Fax: 0734-310279.

Ø

**10TH PETROLEUM CONGRESS AND EXHIBITION OF TURKEY**

April 11-15, 1994

TURKEY (Ankara)

Contact: M. Ali Kaya, TPAO Arama Grubu Oda: 1715, Mustafa Kemal Mah. 2.  
 Cad. No: 86, 06520, Ankara, Turkey. Tel: (90-4) 286-91-00/ (ext) 2902;  
 Fax: (90-4) 286-90-49; Telex: 42626-42044 TPAO-TR.

**15th IAS REGIONAL MEETING**

April 13-15, 1994

ITALY (Ischia, Naples)

Contact: Tullio Pescatore, Ischia '94, Dipartimento de Scienze della Terra,  
 Largo S. Marcellino 10, 80138 Napoli, Italy.  
 Tel: (81) 5516014; Fax: (81) 5525611.

**GEOPROSPECTIVE**

April 18-19, 1994

FRANCE (Paris)

Contact: Prof. Bernard Beaudoin, Ecole des Mines de Paris, 35, rue Saint  
 Honoré, 77305 Fontainebleau, France.  
 Tel: 33 (1) 64-69-49-24; Fax: 33 (1) 64-69-49-35.



**SYMPOSIUM AND FIELD EXCURSION ON  
 THE ALBIAN AND UPPER CRETACEOUS STRATIGRAPHY AND  
 SEDIMENTOLOGY OF THE MANGYSHLAK PENINSULA**

May, 1994

REP. of KAZAKHSTAN (Almaty)

Contact: Dr. E.V. Nesterova, IGS NAS RK., Gl. Kabanbai batyra 69a, Almaty,  
 Kazakhstan, 4801000, Rep. of Kazakhstan.



**MIOCENE REEFS AND CARBONATE PLATFORMS  
 OF THE MEDITERRANEAN**

May 3-6, 1994

FRANCE (Marseille)

Contact: Jean-Paul Saint Martin or Jean-Jacques Cornee, Université de  
 Provence, Centre de Sédimentologie/Paléontologie (URA 1208 du CNRS),  
 case 67, Place Victor Hugo, 13331 Marseille Cedex, France.  
 Tel: (33) 9110-6326 (or 27); Fax: (33) 9164-9964.



#### 4TH TUNISIAN PETROLEUM EXPLORATION CONFERENCE

May 4-5, 1994

TUNISIA (Tunis)

Contact: Mr. A. Chine, 27 Bis Avenue Khereddine Pacha, 1002 Tunis, Tunisia.

Tel: (216-1) 782-288; Fax: (216-1) 784-092; Telex: 15128-13877.



#### BIODIVERSITY AND PRODUCTION IN THE OCEAN

May 4-8, 1994

SPAIN (San Feliu de Guixols)

Contact: Dr. Josip Hendekovic, European Science Foundation,

1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France.

Tel: (33) 88-76-71-35; Fax: (33) 88-36-69-87.



#### NATURAL AND ANTHROPOGENICALLY INDUCED HAZARD: EARTHQUAKE HAZARD

May 14-19, 1994

SPAIN (Granada)

Contact: Dr. Josip Hendekovic, European Science Foundation,

1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France.

Tel: (33) 88-76-71-35; Fax: (33) 88-36-69-87.



#### ANNUAL MEETING OF THE GEOLOGICAL ASSOCIATION OF CANADA AND MINERALOGICAL ASSOCIATION OF CANADA

May 15-18, 1994

CANADA (Waterloo, Ontario)

Contact: Alan V. Morgan, Dept. of Earth Sciences, Univ. of Waterloo,

Waterloo, Ontario, Canada N2L 3G1.

Tel: (519) 885-1211 (ext. 3231); Fax: (519) 746-7484.



#### INQUA - SUBCOMMISSION ON SHORELINES OF NWEUROPE FIELDMEETING 1994

May 17-22, 1994

PORTUGAL (Porto)

Contact: Prof. G. Soares de Carvalho, Rua Elisio de Moura, 62-r/c,

4700 Braga, Portugal.



**2ND INTERNATIONAL CONFERENCE ON THE  
GEOLOGY OF SILICICLASTIC SHELF SEAS**

May 24-28, 1994

BELGIUM (Gent)

Contact: Marc De Batist, Geological Institute, Univ. of Gent, Krijgslaan 281  
S.8, 9000 Gent, Belgium. Tel: +32/9 2644587; Fax: +32/9 2644997.



**9TH ANNUAL MEETING OF SEDIMENTOLOGISTS IN GERMANY**

May 25-27, 1994

GERMANY (Greifswald)

Contact: SEDIMENT '94, Fachrichtung Geowissenschaften, Ernst-Moritz  
Arndt-Universität Greifswald, Friedrich-Ludwig-Jahn-Str. 17 A, D-17489  
Greifswald. Tel: (03834) 77271 ext. 298; Fax: (03834) 883351.



**IGCP 344: CORRELATION OF CARBONATE BUILDUPS  
(ANNUAL MEETING)**

May 30-31, 1994

FRANCE (Arudy)

Contact: Dr. J. Canérot, Laboratoire de Géologie Sédimentaire et  
Paléontologie. Univ. Paul Sabatier, 39 Allées Jules Guesde,  
31062 Toulouse, France.

Tel: 33-61-53-02-35 (P.379); Fax: 33-62-26-71-40.



**NORDIC SYMPOSIUM ON PETROPHYSICS IN COMPUTER  
MODELLING OF RESERVOIR AND BASIN PROCESSES**

May 31-June 1, 1994

SWEDEN (Gothenburg)

Contact: Børre-Henrik Børresen, Energiforskningen, P.O.Box 234,  
N-1430 Ås, Norway. Tel: (47) 64-94-18-10; Fax: (47) 64-94-04-30.



**SEPM/AAPG ANNUAL MEETING**

June 12-15, 1994

U.S.A. (Denver, CO)

Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.

Tel: (918) 743-9765.



**THIRD ANNUAL MEETING OF THE HISTORY OF  
THE EARTH SCIENCES SOCIETY**

July 7-9, 1994

U.S.A. (Troy, N.Y.)

Contact: Dr. Gerald M. Friedman, The Northeastern Science Foundation, Inc.,  
Rensselaer Center of Applied Geology, 15 Third Street, P.O.Box 746, Troy,  
N.Y. 12180, USA. Tel: (518) 273-3247; Fax: (518) 273-3249.



**THE 12TH AFRICAN MICROPALAEONTOLOGICAL COLLOQUIUM  
AND  
THE 2ND COLLOQUIUM ON THE STRATIGRAPHY AND  
PALAEONTOLOGY OF THE SOUTH ATLANTIC**

July 16-20, 1994

FRANCE (Angers)

Contact: Jean-Pierre Debenay, Laboratoire de Géologie, 2 bd Lavoisier,  
49045 Angers Cedex, France.

Tel: (33) 41-73-53-82; Fax: (33) 41-73-53-52.



**5TH ARGENTINIAN SEDIMENTOLOGICAL MEETING**

August 8-14, 1994

ARGENTINA (San Miguel de Tucumán)

Contact: Dr. Gerardo E. Bossi, Presidente de la 5ta. Reunion Argentina de  
Sedimentología, Laboratorio de Sedimentología, Miguel Lillo 251 -

Tucumán, Argentina. Tel: 5481-239723; Fax: 5481-311524.



**14th INTERNATIONAL SEDIMENTOLOGICAL CONGRESS**

August 21-26, 1994

BRAZIL (Recife, PE)

Contact: 14th International sedimentological Congress,  
LAGESE/DGEO/UFPE, Caixa Postal 7801 - Ag. Cidade, Universitária,  
0739 Recife (PE), Brazil.

Tel: (081) 271-82-40; Fax: 55-81-271-8234 or 55-81-271-8205.



**ICHTNOFACIES AND BIOTURBATION  
TRACE FOSSILS IN SEDIMENTOLOGY AND  
BASIN ANALYSIS**  
SYMPOSIUM 5, 14th INTERNATIONAL SEDIMENTOLOGICAL CONGRESS

August 21-26, 1994

BRAZIL (Recife)

Contact: Dr. L.A. Buatois or Dr. M.G. Mángano, Casilla de correo 1, correo central, 4000 San Miguel de Tucumán, Argentina. Fax: 0054-81-311462.  
or Dr. S.G. Pemberton, Dept. of Geology, Univ. of Alberta, Edmonton, Alberta, Canada T6G 2E3. Fax: 0001-403-4928380.



**INTERNATIONAL SYMPOSIUM ON  
PALAEOENVIRONMENTAL HISTORY OF EAST AND SOUTH ASIA  
AND CRETACEOUS CORRELATION**

(IGCP 350)

August 24-29, 1994

KOREA (Taegu)

Contact: Prof. Ki-Hong Chang, Dept. of Geology, Kyungpook National Univ., Taegu, Korea 702-701. Tel: 82-53-950-5355; Fax: 82-53-957-0431;  
E-mail: khchang@kyungpook.ac.kr



**WOGOGO'B '94**

**WORKING GROUP ON ORDOVICIAN GEOLOGY OF BALTO-SCANDIA**

August 29-September 4, 1994

DENMARK (Copenhagen)

Contact: Svend Stouge, Geological Survey of Denmark, Thoravej 8, DK-2400 Copenhagen NV, Denmark.

Tel: (45) 31 10 66 00; Fax: (45) 31 19 68 68



**ARCTIC OCEAN GRAND CHALLENGE:  
SCIENTIFIC RATIONALE-STRATEGY-SCIENCE PLAN**

September 2-7, 1994

FINLAND (Helsinki)

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

Tel: (33) 88-76-71-35; Fax: (33) 88-36-69-87.



**FIRST INTERNATIONAL MEETING ON  
PERIMEDITERRANEAN CARBONATE PLATFORMS**

September 5-7, 1994

FRANCE (Marseille)

Contact: Jean-Pierre Masse, Centre de Sédimentologie-Paléontologie,  
Faculté des Sciences St-Charles, Case 67, 13331 Marseille Cedex 03,  
France. Tel: (33) 91-10-63-95; Fax: (33) 91-64-99-64.



**EUROPEAN DINANTIAN ENVIRONMENTS 2  
RECENT DEVELOPMENTS IN THE LOWER CARBONIFEROUS  
GEOLOGY OF EUROPE**

September 5-9, 1994 (incl. field trips)

Ireland (Dublin)

Contact: Dr. Ian D. Somerville, Dept. of Geology, Univ. College, Benfield,  
Dublin 4, Ireland. Tel: 353-1-706-23-25; Fax: 353-1-283-77-33.



**1994 INTERNATIONAL CONFERENCE ON ARCTIC MARGINS**

September 5-9, 1994

RUSSIA (Magadan)

Contact: International Conference on Arctic Margins, Geophysical Institute,  
Univ. of Alaska, Fairbanks, Alaska 99775-0800, USA.



**ALLUVIAL BASINS: PAST AND PRESENT ENVIRONMENTS**

September 10-15, 1994

THE NETHERLANDS (Lunteren)

Contact: Dr. Josip Hendekovic, European Science Foundation,  
1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France.  
Tel: (33) 88-76-71-35; Fax: (33) 88-36-69-87.



**3RD CONFERENCE ON GAS IN MARINE SEDIMENTS**

September 25-28, 1994

THE NETHERLANDS (Texel)

Contact: Dr. Tjeerd C.E. van Weering/Mrs. Joke Hart, Netherlands Inst. for  
Sea Research, P.O.Box 59, 1790 AB Den Burg, Texel, the Netherlands.  
Tel: 31-2220-69395/69367; Fax: 31-2220-19674.



**GEOCHEMICAL EVENT MARKERS IN THE PHANEROZOIC  
FINAL MEETING OF THE IGCP-PROJECT 293**

September 26-28, 1994

GERMANY (Erlangen)

Contact: Michael M. Joachimski, Inst. of Geology and Mineralogy,  
Univ. of Erlangen/Nürnberg, Schlossgarten 5, 91054 Erlangen, Germany.

Tel: (49) 9131-852615; Fax: (49) 9131-859295 or

Helmut H.J. Geldsetzer, Geol. Surv. of Canada, 3303-33rd Street N.W.  
Calgary, Alberta T2L 2A7, Canada.

Tel: (403) 292-7155; Fax: (403) 292-5377



**LITTORAL 94**

**A MULTI-DISCIPLINARY SYMPOSIUM ON COASTAL ZONE RESEARCH,  
MANAGEMENT AND PLANNING -EUROPE AND MEDITERRANEAN**

September 26-29, 1994

PORTUGAL (Lisbon)

Contact: Associação EUROCAST-PORTUGAL, a/c do Instituto de Hidráulica e  
Recursos Hídricos, Faculdade de Engenharia-Universidade do Porto, Rua dos  
Bragas, P-4099 Porto codex, Portugal. Tel: 351-2-310870;

Fax: 351-2-310870/ 351-2-319280.



**QUATERNARY EVENTS:**

**CONSEQUENCES ON ENVIRONMENT & HUMAN BEINGS**

September 26-Oktober 1, 1994

TUNISIA (Sfax)

Contact: Symposium TAAG Secretariat, Dept. of Geology,  
Ecole Nationale d'Ingénieurs de Sfax, P.O.Box W, 3038 Sfax, Tunisia.

Tel: (216)-(4)-274-088/274-418; Fax: (216)-(4)-275-595.



**BASIN FORMATION AND INVERSION IN EUROPE  
ENDOGENOUS AND EXOGENOUS FACTORS**

(ANNUAL MEETING OF GERMAN GEOLOGICAL SOCIETY)

October 3-6, 1994

GERMANY (Heidelberg)

Contact: DDG '94, Geolog.-Paläontolog. Inst., Univ. Heidelberh, Im  
Neuenheimer Feld 234, D-69120 Heidelberg, Germany.

Tel: +49 (0) 62-21 56-82-91 ; Fax: +49 (0) 62-21 56-55-03;

Telex: 461-515 unihd.



**4TH INTERNATIONAL CONGRESS ON  
JURASSIC STRATIGRAPHY AND GEOLOGY**

October 15-16, 1994

ARGENTINA ( Mendoza and Neuquén)

Contact: Dr. A.C. Riccardi, C.C. 886, 1900 La Plata, Argentina.

Tel: 54-21-39125; Fax: 54-21-530189; Telex: 54-31-15 BULAP AR



**RIFT SEDIMENTATION AND TECTONICS IN  
THE RED SEA - GULF OF ADEN REGION**

October 22-November 2, 1994

YEMEN(Sana'a)

Contact: Dr. Dan Bosence, Royal Holloway Univ. of London, EGHAM, Surrey  
TW20 0EX, UK. Fax: (00) 44 (0) 784 471780 or Dr. Mohamed Al-Aawah,  
P.O.Box 13200, Sana'a, Rep. of Yemen. Fax: (00) 967-1-214075.



**INTERNATIONAL GEOLOGICAL CORRELATION PROGRAM  
IGCP PROJECT 351**

**EARLY PALAEOZOIC EVOLUTION IN NW GONDWANA**

November 29- December 7, 1994

MOROCCO(Rabat)

Contact: Prof. Naima Hamoumi, Dept. de Géologie, Faculté des Sciences de  
Rabat, B.P. 1226 RP Rabat, Morocco.

Tel: 212-7-7719-57; Fax: 212-7-7742-61; Telex: 36607 M.



**FIRST INTERNATIONAL SYMPOSIUM ON  
BIOSTRATIGRAPHY OF OIL AND GAS BASINS**

December 3-10, 1994

RUSSIA (St. Petersburg)

Contact: Olga A. Sochevanova, VNIGRI, Liteiny 39, St. Petersburg 191 104,  
Russia. Tel: (7-812) 275-7145/ 272-3677; Fax: (7-812) 273-7387;  
Telex: AT 621626 (64121986).



**SUBMARINE FANS AND TURBIDITE SYSTEMS**

Sequence Stratigraphy, Reservoir Architecture, and Production  
Characteristics, Gulf of Mexico and International

December 4-7, 1994

U.S.A. (Houston, TX)

Contact: Dr. Bob F. Perkins, GCSSEPM Foundation, 1416 Creekford Dr.,  
Arlington, Texas, 76012-2108, USA. Tel. or Fax: (817) 273-2510.



**COOL AND COLD-WATER CARBONATE CANFERENCE**

January 14-19, 1995

AUSTRALIA (Melbourne)

Contact: Dr. Jonathan Clarke, Western Mining Corporation, P.O.Box 157,  
Preston, Victoria 3072, Australia. Tel: 61-03-4853646;  
Fax: 61-03-4822647; Email: Jonathan.Clarke@WMC.Telememo.Au.

**SEPM/AAPG ANNUAL MEETING**

March 5-8, 1995

U.S.A. (Houston, TX)

Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.

Tel: (918) 743-9765.



**2 INTERNATIONAL CONFERENCE ON  
MECHANICS OF JOINTED AND FAULTED ROCKS (MJFR-2)**

April 10-14, 1995

AUSTRIA (Vienna)

Contact: Doz. Dr. H.P. Rossmanith, Inst. of Mechanics, Technical Univ.  
Vienna, Wieder Hauptstraße 8-10/325, A-1040 Vienna, Austria.



**7TH INTERNATIONAL SYMPOSIUM ON  
THE ORDOVICIAN SYSTEM**

June 12-16, 1995

USA (Las Vegas, Nevada)

Contact: Dr. Margaret N. Rees, Dept. of Geosciences, Univ. of Nevada-Las  
Vegas, Las Vegas, Nevada 89154-4010, USA.

Tel: (702) 739-3262; Fax: (702) 597-4064

**13TH SPANISH SEDIMENTOLOGICAL CONGRESS**

June 26-July 2, 1995 (incl. field trips)

SPAIN (Teruel)

Contact: Alfonso Meléndez or Marc Aurell, Dpto. Ciencias de la Tierra,  
Universidad de Zaragoza, 50009 Zaragoza, Spain.

Tel: 34-76-351114; Fax: 34-76-565852.



**10TH INTERNATIONAL BATHURST MEETING ON  
CARBONATE SEDIMENTOLOGY**

July 3-8, 1995

U.K. (London)

Contact: Dr. Dan Bosence, Royal Holloway Univ. of London, EGHAM, Surrey

TW20 0EX, UK. Fax: (00) 44 (0) 784-471780



**SEPM CONGRESS ON SEDIMENTARY GEOLOGY**

Albert Hine, General Chairman, Bob Halley, Technical Program Chairman  
 August 13-16, 1995 U.S.A. (St. Petersburg, FL)  
 Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.  
 Tel: (918) 743-9765.

**3RD INTERNATIONAL ICHNOFABRIC WORKSHOP**

(The workshop will be held in conjunction with  
 The First International Limnogeological Congress: Research Methods in  
 Ancient and Modern Lacustrine Basins)

August 14-21, 1995 DENMARK (Bornholm)  
 Contact: Richard Bromley, Geological Inst., Univ. of Copenhagen,  
 Øster Voldgade 10, DK-1350 Copenhagen K., Denmark.  
 Tel: (45) 35 32 24 42; Fax: (45) 35 32 24 99.



<b>THE FIRST INTERNATIONAL LIMNOGEOLOGICAL CONGRESS          RESEARCH METHODS IN ANCIENT AND          MODERN LACUSTRINE BASINS</b>
--

The congress is sponsored by  
 IAS, GLOPALS, UNESCO-IUGS, IGCP-324 Project

August 21-25, 1995 DENMARK (Copenhagen)  
 Contact: "ILIC", Dr. Nanna Noe-Nygaard, Geological Institute, University of  
 Copenhagen, Øster Voldgade 10, DK-1350 Copenhagen K, Denmark.  
 Tel: (45) 35 32 24 91; Fax: (45) 35 32 24 99

**3 INTERNATIONAL BRACHIOPOD CONGRESS**

September 2-5, 1995 CANADA (Sudbury)  
 Contact: Paul Copper, Laurentian Univ., Sudbury, Canada P3E 2C6.  
 Tel: (705) 675-1151 (ext 6575); Fax: (705) 673-6532.



Edited by Finn Surlyk  
 Geological Institute  
 University of Copenhagen  
 Øster Voldgade 10  
 DK - 1350 København K  
 Denmark  
 Telephone: +45 35 32 24 53  
 Fax: +45 35 32 24 99