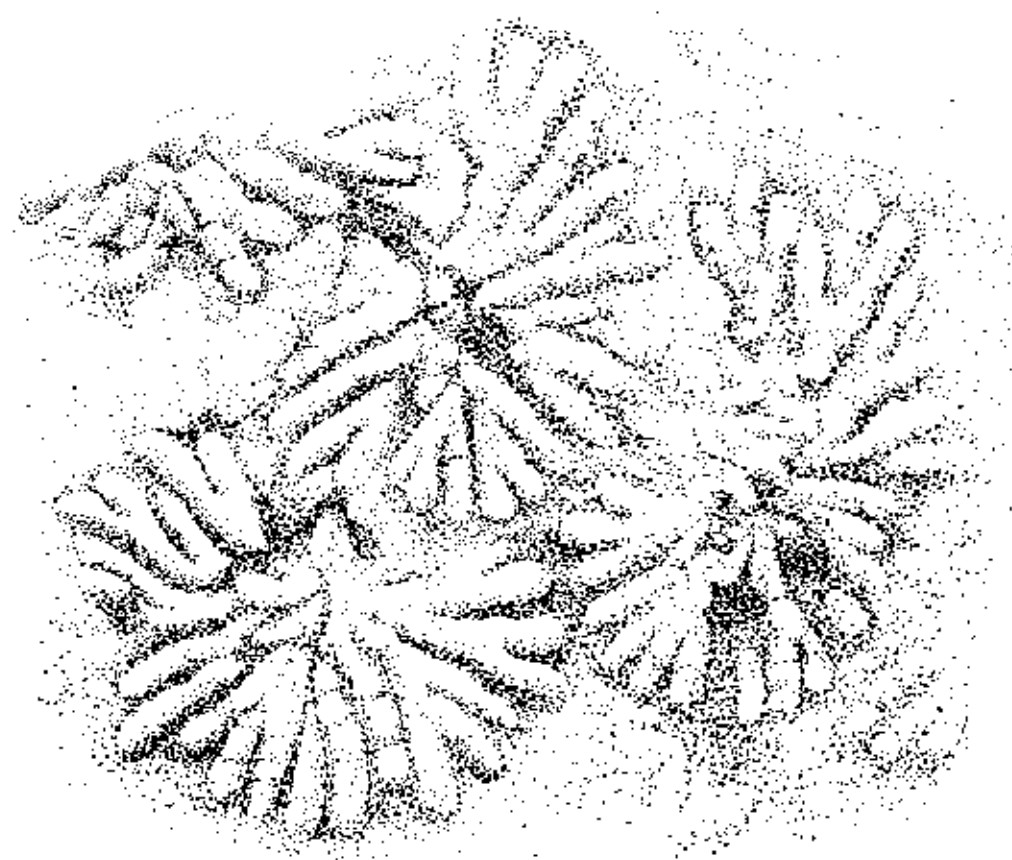


# IAS NEWSLETTER

Nº 123 December 1992



## *Dactyloides ottoi*

Upper Cretaceous

West Greenland

## **IAS NEWS**

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### **14TH IAS REGIONAL MEETING APRIL 27-29, 1993 - MARRAKECH, MOROCCO**

Remember to send your registration to the 14th regional IAS meeting. The beautifully situated city of Marrakech will be a wonderful venue for the meeting. Excursions go to classical and well exposed areas in the Rif, High Atlas, Meseta and other places. The weather is expected to be excellent during the meeting with temperatures between 18°C and 20°C. Gastronomically and touristically the city and its surroundings have much to offer.

For further information do not hesitate to contact the meeting committee at this address: El Foughali Ahmed, 14th IAS Regional Meeting of Sedimentology, Faculté des Sciences Semlalia, Département de Géologie, B.P.S-15, Marrakech, Morocco.

Finn Surlyk  
General Secretary

### **14TH INTERNATIONAL SEDIMENTOLOGICAL CONGRESS AUGUST 21-26, 1994 - RECIFE, BRAZIL**

There has been a good response to the first circular. The second circular will be sent to those who have filled in and returned the first one, and it will also be inserted within a forthcoming issue of Sedimentology. Planning of the congress by the committee in Recife is progressing well. Petrobras is in charge of the excursion programme and Petrobras staff are guides on the majority of the excursions. Several short courses are planned especially for South American audiences.

Recife, capital of Pernambuco State, is situated in the northeastern region of Brazil. The Pernambuco Convention Centre lies between Recife and Olinda, near the Guararapes Int. Airport, chief entrance port of Brazil in relation to Europe, and near the best bars, hotels and restaurants of both cities.

Olinda has been declared by UNESCO "City of cultural and natural

patrimony of mankind". A walk through her streets and hills is a real trip to the origin of Pernambuco. In this city where time did stop, the Baroc architecture is present in the ancient houses, churches, convents and secular monasteries.

Recife, where Baroc and Modern live together in a landscape surrounded by green and crossed by the Capibaribe River, the city of water as she is known, is one of the major Brazilian metropolises, with diverse options of leisure, culture, tourism and shopping. The sophisticated and urban beach of Boa Vlagem, with its tepid waters and natural pools caused by the reefs - which extend along the littoral and which gave the city her name - is one of the most famous of the northeastern coast of Brazil.

Along the Pernambuco coast, 180 km of magnificent beaches, with white sands and calm waters - mean annual temperature of 28°C - are of easy access and possess touristic infra-structure.

The Organizing Committee of the 14th ISC informs those who have answered the 1st circular, and asked for more details about excursions and/or financial assistance, that more information about these items will appear in the 2nd circular to be mailed out in the 1st semester of 1993. Furthermore, the Committee thanks for the massive response to the 1st circular.

## GENERAL NEWS

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### SEQUENCE STRATIGRAPHY: ADVANCES AND APPLICATIONS FOR EXPLORATION AND PRODUCTION IN N.W. EUROPE FEBRUARY 1-5, 1993 - STAVANGER, NORWAY

This NPF Sequence Stratigraphy conference will provide:

- \* An update on the conceptual aspects of sequence stratigraphy and of the alternative opinions on this.
- \* A highlighting of the importance of the tectonic contribution to sequence generation.
- \* A review of Triassic to Tertiary examples in NW Europe where sequence stratigraphy has been applied.

\* A series of core workshops reviewing the Middle Jurassic sequences of the northern North Sea, the mid-Norway shelf, as well as of the Upper Jurassic of the Horda Platform.

It is hoped that this conference will provide an up-to-date review of the successes and failures of sequence stratigraphy in NW Europe as well as a forum for the enthusiasts and sceptics of this method to meet and evaluate its status. The conference will attract a wide cross-section of international academics and professional geoscientists with an interest in improving prediction rates in hydrocarbon exploration and production. The meeting will be held as a conference (part 1) and a Jurassic Workshop (part 2).

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

### **SEPM SHORT COURSE IN NEW ORLEANS**

APRIL 25, 1993 - NEW ORLEANS, USA

SEPM (Society for Sedimentary Geology) will sponsor a short course to be presented April 25, 1993, in New Orleans, LA., in conjunction with the AAPG/SEPM Annual Meeting. The one day course, "Integrated stratigraphic analysis: Application of sequence stratigraphy and biostratigraphy to defining basin history", provides hands on experience in data integration and interpretation. The course will benefit geologists and geophysicists with introductory knowledge of stratigraphic interpretation. John M. Armentrout, Ph.D. and an integrated stratigraphic interpreter for Mobil Oil's Research Laboratory in Dallas, TX., will teach the course. Registration is limited and reservations are encouraged.

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

### **1993 ANNUAL CONVENTION OF CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS**

AUGUST 15-19, 1993 - CALGARY, ALBERTA, CANADA

In August of 1993 the Canadian Society of Petroleum Geologists (CSPG), in conjunction with the Global Sedimentary Geology Program (GSP), will host an International Symposium entitled: "Carboniferous to Jurassic

Pangea, a global view of environments and resources". It is intent of the sponsors to assemble a wide variety of geoscience presentations dealing with topics as diverse Permian-Trassic extinctions, Ocean chemistry in Pangean times and Giant and Supergiant hydrocarbon accumulations of Pangea. In so doing it is hoped that the symposium will attract a large population of international researchers and explorationists whose own work and interests will serve to broaden our understanding of Pangean sedimentary depositional systems and their inherent economic value. We believe this is a particularly opportune time for such a gathering, inasmuch as dwindling economically recoverable reserves in North America, coupled with recent elimination of cultural and political barriers throughout the world, have shifted the emphasis on hydrocarbon exploration and exploration to a global perspective.

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

## **COMPARISON BETWEEN FOREARC AND BACKARC BASINS**

The International Working Group on Sedimentation at Active Plate Margins would like to make arrangements for organizing a symposium at the next ISC in Pernambuco on "Comparison between forearc and backarc basins". Convenors will be the past and the present secretary of the working group (David Macdonald, British Antarctic Survey and Hartmut Seyfried, Universität Stuttgart, Germany). Any person interested in attending this symposium should contact Hartmut Seyfried on the following address: Universität Stuttgart, Inst. Geologie, Forearc/Backarc Meeting at the ISC, Herdweg 51, D-7000 Stuttgart, Germany.  
Tel: (711)-121 1339; Fax: (711)-121 1341.

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## New Bulletin

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### TRIASSIC & JURASSIC RHYNCHONELLACEA (BRACHIOPODA) FROM NEW ZEALAND & NEW CALEDONIA

by D.A.B. MacFarlan

This bulletin is the first comprehensive study of this group, which is well-known in Europe and Asia, from the Southern Hemisphere. Detailed descriptions, well-illustrated by plates and drawings, are given for a total of 53 species, 48 of them new, in 4 existing and 12 new genera.

Rhynchonellides are present throughout the Triassic and Jurassic of New Zealand and New Caledonia. The fauna is almost entirely endemic at the species level, while wider affinities are indicated by the presence of the Pacific or cosmopolitan genera *Sakawairhynchia*, *Fissirhynchia*, *Timorhynchia* and *Furcirhynchia*.

The Murihiku Supergroup of New Zealand has the most complete geological record, and is the major source of material. The rhynchonellide faunas of New Caledonia are very similar, as are those of the clastic part of the Torlesse Supergroup, while faunas from allochthonous blocks within the Torlesse of the southern North Island and northern South Island show Tethyan influence absent in other regions. Palaeoecological, biogeographic and biostratigraphic implications of the study are discussed.

This is an important work for palaeontologists and stratigraphers interested in fossil Brachiopoda, Mesozoic marine faunas and the palaeobiogeography of the Pacific region.

Price in New Zealand: \$72; outside New Zealand: US\$72.

SIR Publishing, PO Box 399, Wellington, New Zealand. Tel: +64 4 472 7421.

## FUTURE MEETINGS

### 3RD INTERNATIONAL WORKSHOP ON FAN-DELTA

sponsored by IAS

February, 1993

KOREA (Seoul)

Contact: S.K. Chough, Dept. of Oceanography, Seoul National University,  
Seoul 151-742, Korea. Tel: 82 2 880 6748/6743; Fax: 82 2 872 0311;  
Telex: SNUROK K29664.



### SEQUENCE STRATIGRAPHY: ADVANCES AND APPLICATIONS FOR EXPLORATION AND PRODUCTION IN N.W. EUROPE

February 1-3, 1993 (conference)

NORWAY (Stavanger)

February 4-5, 1993 (Jurassic workshop)

NORWAY (Stavanger)

Contact: E.Halter; Fax: 47 2 554630 or R.Steel; Fax: 47 5 315729.



### ORGANISMS AS PALAEOENVIRONMENTAL INDICATORS WITHIN THE MARINE REALM (BSRG)

February 18, 1993

U.K. (London)

Contact: Dan Bosence, Dept. of Geology, Royal Holloway and Bedford New  
College, Univ. of London, Egham, Surrey, TW20 0EX, U.K. Tel: 0784 443612.



### CARBONATE PETROLEUM RESERVOIRS: MODELS FOR EXPLORATION AND DEVELOPMENT

March 17-18, 1993

U.K. (London)

Contact: Trevor Burchette, BP Exploration, 4/5 Longwalk, Stockly Park,  
Uxbridge, Middlesex UB11 1BP, England. Tel: 081 750 0743 or  
Gil Harwood, School of Environmental Sciences, Univ. of East Anglia,  
Norwich NR4 7TJ, England. Tel: 0603 56161 ext. 2549



## CLAY DIAGENESIS (BSRG)

March 25-26, 1993

U.K. (Cambridge)

Contact: Dr. C.V. Jeans, Dept. of Earth Sciences, Univ. of Cambridge,  
Downing Street, Cambridge, CB2 3EQ, U.K. Tel: 0223 333400.



## ORBITAL FORCING, TIME SCALES AND CYCLOSTRATIGRAPHY

March 25-26, 1993

U.K. (London)

Contact: Michael House, Geology Dept., Southampton Univ., Southampton,  
SO9 5NH, U.K.



EUG SYMPOSIUM ON PHYSICAL SIGNATURES OF CLIMATIC  
CHANGES IN GLACIAL AND NON-GLACIAL TERRIGENOUS-  
CLASTIC SEDIMENTARY SYSTEMS

April 4-8, 1993

FRANCE (Strasbourg)

Contact: G.Postma, Utrecht Univ., Faculty of Earth Sciences, Dept. Of  
Geology, Budapestlaan 4, PO Box 80.021, 3508 TA Utrecht, the Netherlands.  
Tel: (31) 030 -534155; Fax: (31) 030-535030.



INTERNATIONAL CONFERENCE ON  
GEOSCIENCE EDUCATION AND TRAINING

April 21-25, 1993

U.K. (Southampton)

Contact: Dr. Dorrik A.V. Stow, GEOED Conference Convenor  
or Mrs Esther Johnson, GEOED Conference Secretariat, Dept. of Geology,  
Univ. of Southampton, Southampton, SO9 5NH, U.K.  
Tel: (0703) 593049; Fax: (0703) 503052; Telex: 47662 SOTONU G



SEPM SHORT COURSE IN:  
INTEGRATED STRATIGRAPHIC ANALYSIS: APPLICATION OF  
SEQUENCE STRATIGRAPHY AND BIOSTRATIGRAPHY TO  
DEFINING BASIN HISTORY.

April 25, 1993

U.S.A. (New Orleans, LA)

Contact: Julie Ball, SEPM's Business Office, Tulsa, OK., USA.  
Tel: (918) 743-9765.





# 14th IAS REGIONAL MEETING

April 27-29, 1993

MOROCCO (Marrakech)

Contact: El Foughali Ahmed, 14th IAS Regional Meeting of Sedimentology,  
Faculté des Sciences Semlalia, Département de Géologie, B.P.S-15,  
Marrakech, Morocco.

Tel: 212-4-43-46-49; Fax: 212-4-43-67-69 or 212-4-43-44-94;

Telex: 74013M



## INTERNATIONAL FIELD SYMPOSIUM ON STRATIGRAPHY AND SEDIMENTOLOGY OF THE TRASCASPIAN CRETACEOUS

May, 1993

C.I.S (Mangyshlak, Kopetdag)

Contact: Prof. V.A. Prozorovsky, Geological Faculty, University of  
St. Petersburg, St. Petersburg 199034, C.I.S. or Prof. D.P. Naidin, Geological  
Faculty, University of Moscow, Moscow V-234, C.I.S.



## OFFSHORE TECHNOLOGY CONFERENCE

May 3-6, 1993

U.S.A. (Houston, Tx)

Contact: P.O.Box 833868, Richardson, TX 75083-3868, USA.

Tel: (214) 952-9494; Fax: (214) 952-9435; Telex: 730989 SPEDAL.



## INQUA COMMISSION ON FORMATION AND PROPERTIES OF GLACIAL DEPOSITS

(Work Group on Glacial Tectonics and  
Work Group on Mapping Glacial Deposits)

May 9-15, 1993

CANADA (Regina, Saskatchewan)

Contact: David J. Sauchyn, Dept. of Geography, Univ. of Regina, Regina,  
Saskatchewan, S4S 0A2, Canada.



**INTERNATIONAL CONFERENCE AND FIELD-TRAINING WORKSHOP  
POST-COLLISIONAL TECTONICS AND THE EVOLUTION OF  
SEDIMENTARY BASINS BETWEEN  
THE CAUCASUS AND THE ZAGROS**

May 10-13, 1993

TURKEY (Erzurum)

Contact: Dr. M. Salih Bayraktutan, Conference Org. Committee,  
Earthquake Res. Centre, Ataturk University, 25240 Erzurum, Turkey.  
Tel: 011 12808/ 011 43938; Fax: 011 17140; Telex: 74 362 damutr.



**THE SECOND TUNISIAN MEETING ON APPLIED GEOLOGY**

May 17-19, 1993

TUNISIA (Sfax)

Contact: Secrétariat du Symposium ATGA, Dept. de Géologie, Ecole National  
d'Ingénieurs de Sfax, B.P.W., 3038 Sfax, Tunisie.  
Tel: (216) 4-74088/74418; Fax: (216) 4- 75595.



**COLLOQUIUM AND FORUM ON GLOBAL ASPECTS OF  
CORAL REEFS: HEALTH, HAZARDS AND HISTORY**

COMMEMORATING THE 50 ANNIVERSARY OF ROSENSTIEL SCHOOL OF  
MARINE AND ATMOSPHERIC SCIENCE - UNIVERSITY OF MIAMI

Colloquium on June 7-8, 1993

U.S.A. (Miami, Florida)

Forum on June 9-10, 1993

U.S.A. (Miami, Florida)

Contact: Global Reef Meetings, University of Miami/RSMAS, 4600  
Rickenbacker Causeway, Miami, FL 33149-1098. Fax: (305) 361-4632.



**8. SEDIMENTOLOGICAL MEETING**

June 3-5, 1993

GERMANY (Marburg/Lahn)

Contact: 'Sediment 93', Prof. Dr. K.-W. Tietze, Inst. für Geologie und  
Paläontologie, Philipps-Universität, Hans-Meerwein-Strasse, D-3550  
Marburg/Lahn.

Tel: 06421/28 34 51 or 06421/28 34 59; Fax: 06421/28 58 31



**INTERNATIONAL SYMPOSIUM ON  
DYNAMICS OF FLUVIAL-COASTAL SYSTEM  
AND ENVIRONMENTAL CHANGES**

June 21-24, 1993 ITALY (San Benedetto del Tronto)  
Contact: Dr. C. Bisci or Dr. G. Cantalamessa or Dr. F. Dramis,  
Dipartimento Scienze della Terra, Università degli Studi di Camerino,  
viale E. Betti, 1/a, I-62032 Camerino, Italy.  
Tel: 39-737-40827; Fax: 39-737-40839/40835



**THE 5TH INTERNATIONAL CONFERENCE ON  
FLUVIAL SEDIMENTOLOGY**

July 5-9, 1993 AUSTRALIA (Brisbane)  
Contact: Continuing Professional Education, The Univ. of Queensland, Qld  
4072, Australia.  
Tel: 61-7-3657100; Fax: 61-7-3557099; Telex: UNIVQLD AA 403215.



**INTERNATIONAL SYMPOSIUM  
CARBONIFEROUS TO JURASSIC PANGAEA:  
A GLOBAL VIEW OF ENVIRONMENTS AND RESOURCES**

August 15-19, 1993 CANADA (Calgary, Alberta)  
Contact: Benoit Beauchamp or Ashton Embry, CSPG-GSGP '93:  
Carboniferous to Jurassic Pangea, c/o Geological Survey of Canada, 3303,  
33rd ST. NW, Calgary, Alberta, T2L 2A7, Canada.  
Tel: (403) 292-7190 or (403) 292-7126; Fax: (403) 292-4961 or  
(403) 292-5377.



**RESERVOIR CHARACTERISATION OF  
DEEP MARINE CLASTIC SYSTEMS**

August 30-31, 1993 Scotland (Aberdeen)  
September 1, 1993 (Workshop) Scotland (Aberdeen)  
Contact: Adrian Hartley or Jeremy Prosser, Dept. of Geology and Petroleum  
Geology, Univ. of Aberdeen, Meston Building, King's College, Aberdeen,  
AB9 2UE, Scotland.



## PRECAMBRIAN CRUSTS OF WEATHERING

September 2-13, 1993

RUSSIA (Apatity)

Contact: Dr. Arcady A. Kalinin, Russia, 184200, Murmansk reg., Apatity, Fersman st., 14. Tel: (Apatity) 37 601 or 37 627; Telx: 126129 KOLSC SU.



## THE ARKELL INTERNATIONAL SYMPOSIUM ON JURASSIC GEOLOGY

September 8-20, 1993 (incl. field trips)

U.K. (London)

Contact: Conference Secretary Dr. Stewart Brown, Petroleum Science and Technology Inst., 25 Ravelston Terrace, Edinburgh EH4 3EX, Scotland.  
Tel: 44 31 451 5231; Fax: 44 31 451 5232.



## INTERNATIONAL FIELDMEETING OF THE SUBCOMMISSION ON SHORELINES OF NW EUROPE

September 18-25, 1993

BELGIUM & NETHERLANDS

Contact: Cecile Baeteman, Belgian Geological Survey, Jennerstraat 13, 1040 Brussels, Belgium. Tel: 31-2-6476400; Fax: 31-2-6477359.



## TECHNICAL WORKSHOP ON TILL MICROMORPHOLOGY

September 18-24, 1993

THE NETHERLANDS (Amsterdam)

Contact: Participants from North and South America: Dr. John Menzies, Dept. of Geography, Brock Univ., St. Catharines, Ont., Canada L2S 3A1.  
Fax: 1 416 6882789.

From all other countries: Dr. Jaap J.M. van der Meer, Fysisch Geografisch en Bodemkundig Laboratorium, Univ. of Amsterdam, Nieuwe Prinsengracht 130, 1018 VZ Amsterdam, The Netherlands. Fax: 31 20 5257431.



## CHEMICAL SEDIMENTOLOGY

September 20-21, 1993

U.K. (Cardiff)

Contact: Dr. S. Wakefield, Dept. of Geology, Univ. of Wales, Cardiff, P.O.Box 914, Cardiff CF1 3YE, UK.



## PALAEOCLIMATOLOGY AND PALAEOCEANOGRAPHY FROM LAMINATED SEDIMENTS

September 22-23, 1993

U.K. (London)

Contact: Dr. A. Kemp, Dept. of Oceanography, Southampton University,  
Southampton, SO9 5NH, U.K.



## GEOCHEMICAL MARKER EVENTS IGCP PROJECT 293

September 27-29, 1993

POLAND (Kielce)

Contact: Barbara Studencka, Muzeum Zełmi PAN, Al. Na Skarpie 20/26,  
00-488 Warszawa, Poland.

Tel: 4822 217 391; Fax: 4822 297 497 or Helmut H.J. Geldsetzer,  
Geol. Surv. of Canada, 3303-33rd St. N.W., Calgary, Alberta, T2L 2A7,  
Canada.

Tel: 403 292 7155; Fax: 403 292 5377.



## LA STRATIGRAPHIE DU NEOGENE DE L'AFRIQUE DU NORD- ASPECTS STRUCTURAUX ET IMPLICATIONS ECONOMIQUES

September 28-October 2, 1993

TUNISIA (Tunis)

Contact: Mr. Fouad Zargouni, Secrétaire Général du Comité d'Organisation de  
l'Interim-Colloquium (R.C.M.N.S.), Service Géologique National 95 Avenue  
Mohamed V, 1002 Tunis-Belvédère, Tunisie.

Tel: 283 554/ 283 587; Fax: 794 016; Telex: 15004, 1002 Tunis-Belvédère.



## 1993 AAPG INTERNATIONAL CONFERENCE AND EXHIBITION

October 17-20, 1993

NETHERLANDS (The Hague)

Contact: 1993 AAPG International Abstracts, AAPG Conventional Dept.,  
P.O.Box 979, Tulsa, OK 74101-0979, USA.



## INTERNATIONAL SYMPOSIUM ON LARGE SCALE COASTAL BEHAVIOUR (TIME SCALE OF DECADES)

November 15-19, 1993

U.S.A. (St. Petersburg, Florida)

Contact: Jeffrey List, US Geol. Survey, Centre for Coastal Geology,  
600 Fourth Street South, St. Petersburg, FL 33701, USA.



# 4EME CONGRES FRANÇAIS DE SÉDIMENTOLOGIE

November 17-19, 1993

FRANCE (Lille)

Contact: Bruno Savoye, Secrétariat A.S.F., IFREMER, Environments  
sedimentaires, BP 70, 29280 Plouzane, France.

Tel: (33) 98 22 42 32 or 42 70; Fax: (33) 98 22 45 70; Telex: 940627F.



## 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.



# ANNUAL MEETING OF GERMAN GEOLOGICAL SOCIETY (DDG)

October 4-7, 1994

GERMANY (Heidelberg)

Contact: Prof. Th. Bechstädt or Prof. R.O. Greiling,  
Geologisch-Paläontologisches Inst., Ruprecht-Karls-Universität,  
Im Neuenheimer Feld 234, D-6900 Heidelberg, Germany.

Tel: (0 62 21) 56 82 91 ; Fax: (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



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Frontispiece drawn after photograph taken by R.G.Bromley.