

INTERNATIONAL NEWSLETTER 6: JULY 1993

The purpose of the *International Newsletter* is to communicate news about activities in structural geology and tectonics from all over the world, and to provide a mouthpiece for the *International Association of Structural/Tectonic Geologists* (IASTG), as reported below. Readers of the *Journal of Structural Geology* are encouraged to copy this newsletter to interested colleagues, so that we can achieve a good world-wide circulation of news about the IASTG, and about international activities in structural geology and tectonics.

The *International Newsletter* is open to everyone. It provides conference organizers with a world-wide means of communicating their 'first circulars', provides regular 'slots' for national groups to report their activities (past and future), and can give reports or short notices of various kinds. However, direct advertising of services or items for sale, giving prices, etc., is not accepted.

Information, articles and suggestions can be submitted at any time, and secretaries of national structural/tectonic groups are urged to send information on a regular basis. Conference organizers should send their notices as early as possible, and include the abstract deadline date, to be of most use around the world. At present, the *International Newsletter* is approximately twice-yearly.

INTERNATIONAL ASSOCIATION OF STRUCTURAL/TECTONIC GEOLOGISTS (IASTG)

Resumé

Launched November 1990 in an article in the *Journal of Structural Geology* (Vol. 12, No. 8).

Purpose to encourage international communication among structural/tectonic geologists, via an *International Newsletter* published in the *Journal of Structural Geology*, and an *International Directory* of structural/tectonic geologists.

Membership is open to all interested individuals, for no membership fee. All enrolled members receive an offer to subscribe to the *Journal of Structural Geology* at a personal member rate. Membership forms are available from the IASTG Coordinator, or can be copied from *International Newsletter* 5 (*JSG* Vol. 15, No. 1).

Funding comes from sponsorship and donations. An "IASTG Fund" is administered jointly by S. H. Treagus and E. H. Rutter, at Manchester, U.K. Contributions have come from companies, regional structural/tectonic groups and many individuals, but continued contributions are welcome.

Progress Report 28 May 1993

Membership currently stands at approximately 900. All members have been entered into a data-base, for production of a Directory.

IASTG Directory 1, a booklet of names, addresses, phone/fax numbers and research descriptions, was

produced and mailed to 690 members in March 1992. Costs were paid from the IASTG Fund, with packaging and mailing arranged through Pergamon Press, at special mail rates. It is expected that members who enrolled after 20 February 1992 will be sent a copy of Directory 1, together with supplementary pages of new members, later this year.

IUGS Affiliation was ratified by the IUGS Executive Committee at the 29th IGC (Kyoto, August 1992).

The IASTG Fund is quite healthy, but continued donations from structural/tectonic groups, individuals and companies are sought to safeguard future activities.

IASTG Committee

A new committee has now been established, comprising many from the initial Backing Committee, plus new members to increase our representation around the world. This Committee provides a stable group of contacts around the world, who are prepared to aid and advise in the activities of the IASTG.

IASTG Committee: P. Bankwitz (Germany), K. Birkenmajer (Poland), J.-P. Burg (France), R. Butler (U.K.), S. Cloetingh (The Netherlands), S. F. Cox (Australia), G. A. Davis (U.S.A.), S. K. Ghosh (India), P. L. Hancock (U.K.), V. Kale (India), A. K. Khudoley (Russia), X. Ma (China), S. McCourt (South Africa), W. D. Means (U.S.A.), M. O. Nwadiibia (Nigeria), D. Plasienska (Slovakia), R. A. Price (Canada), J. Selles-Martinez (Argentina), T. Shimamoto (Japan), J. Tullis (U.S.A.), T. Uemura (Japan), E. Wallbrecher (Austria), K. Weber (Germany), P. F. Williams (Canada).

Honorary Treasurer E. H. Rutter (Manchester)

Secretarial Assistant I. Stretton (Manchester)

IASTG Coordinator S. H. Treagus (Manchester, U.K.)

INTERNATIONAL MEETINGS

Structures and Tectonics at Different Lithospheric Levels

6-8 September 1993; Graz, Austria

This international conference, convened by W. Unzog, E. Wallbrecher and M. Brandmayr at the University of Graz, is the successor to the 1991 Montpellier "Instabilities" meeting. The meeting will concentrate on structural associations related to different lithospheric levels, in which deformation processes partition in response to rheological and mechanical behaviour. Field excursions are offered to the Eastern Alps and the Bohemian Massif. A special issue of papers arising from this conference is planned for publication in the *Journal of Structural Geology*, in late 1994; manuscript deadline 8 September 1993.

Contact: Wolfgang Unzog, Department of Geology, University of Graz, Heinrichstrasse 26, A-8010 Graz, Austria. Fax: 43 316 38 28 85.

Early Precambrian Processes

27–28 September 1993; London, U.K.

This is planned as a Discussion Meeting, and convened in memory of Professor John Sutton, who died in September 1992. The meeting, sponsored by the Geological Society and the Geologists' Association, will be held in the Department of Geology, Imperial College London, and will include 14 international keynote speakers.

Further information: M. P. Coward, Department of Geology, Imperial College, London SW7 2BP, U.K. Fax: 071 225 8544.

International Symposium on the Tectonics of East Antarctica

13–15 October 1993; Utrecht, The Netherlands

During the 6th Symposium on Antarctic Earth Sciences in Japan in September 1991, it became obvious that the tectonic evolution of the high-grade terrains of East Antarctica was a much-debated subject. Many questions were raised which concerned the interrelationships of structure, metamorphism, geochronology and geochemistry in these high-grade rocks. This symposium will provide an informal meeting for those interested in these topics, and will bridge the gap between the 1991 conference and the next major symposium on Antarctica, in 1995. Though aimed at a wide range of disciplines and techniques, both field-based and theoretical, which are directed towards understanding the origin of the metamorphic terrains of East Antarctica, the main emphasis will be towards understanding structural and metamorphic processes.

Contact: P. Dirks, Institute of Earth Sciences, University of Utrecht, P.O. Box 80021, 3508 TA Utrecht, The Netherlands. Fax: 31 30 535030.

4th SNET (Simpósio Nacional de Estudos Tectônicos) and Workshop on Structural Geology of Iron Ores

23–26 November 1993; Belo Horizonte, Brazil

This symposium is organized by the SBG (Brazilian Geological Society) with support from the University of Minas Gerais, Belo Horizonte, and University of Ouro Preto. There is a two-fold programme. The 4th SNET will provide a wide range of thematic sessions in structure and tectonics, with keynote contributions on rheology, deformation mechanisms and microstructures (E. H. Rutter, U.K.), and new methods of measurement, representation and interpretation of textures (H. Siemes, Germany). The Workshop will discuss aspects of structure and texture of iron ores, and provide a Round Table on iron ore characterization, metallurgical needs and mine possibilities.

Field trips are planned to the iron ore mines in the Quadrilátero Ferrífero, Sao Francisco basin, Bambui Group, and neotectonics south of the Sao Francisco craton.

Contact: C. A. Rosière, IV SNET/Workshop, Etica Promoções de Eventos Ltda, Rua Olava de Andrade 155, 31130-270 Belo Horizonte, Minas Gerais, Brazil. Fax 0055 31 442 7869.

Abstract deadline: 15 August 1993.

CMMI XV Congress, South Africa

23–28 April 1994; Sun City, South Africa

The 15th Congress of the Council of Mining and Metallurgical Institutions is organized by the South

African Institute of Mining and Metallurgy and the Geological Society of South Africa. It will begin in the Super Bowl at Sun City, in conjunction with the opening of EXPO '94. The Congress will then divide into parallel sessions of four technical programmes: mining, extractive metallurgy, metals technology and geology. A full programme of excursions is planned following the Congress (29 April–14 May).

Contact: P.O. Box 809, Johannesburg 2000, South Africa. Fax: 27 11 838 4255.

1994 Assembly of the European Geophysical Society

25–29 April 1994; Grenoble, France

As part of the EGS Section, Solid Earth Geophysics, four symposia on "Physical Properties of Geomaterials" are planned for the forthcoming Assembly at Grenoble. These are: deformation of minerals and rocks in the ductile field; effect of fluids on rock physical properties; anisotropic properties of minerals and rocks at pressure and temperature; modelling of rock physical properties.

Further information: H. Kern, Min.-Pet. Inst. der Christian-Albrechts Universität, 2300 Kiel 1, Germany. Fax: 0431 880 4457.

Tenth Thematic Conference, Geological Remote Sensing

9–12 May 1994; San Antonio, Texas, U.S.A.

This international conference primarily focuses on geologic remote sensing and geographic information systems (GIS), with special emphasis on hydrocarbon exploration and environmental and engineering applications. There will be more than 300 presentations, with plenary and interactive poster sessions designed to benefit both small operators and large corporate users of remote sensing.

Summary due: 9 September 1993.

Manuscript deadline: 14 February 1994.

Contact: ERIM/Thematic Conferences, P.O. Box 134001, Ann Arbor, MI 48113-4001, U.S.A. Fax: 313 994 5123.

First North American Rock Mechanics Symposium, NARMS

1–3 June 1994; Austin, Texas, U.S.A.

This symposium is a regional meeting of the International Society for Rock Mechanics, and is sponsored jointly by the U.S. National Committee on Rock Mechanics, the Canadian Rock Mechanics Association, and the Sociedad Mexicana de Mecánica de Rocas. It will provide a forum for concentrated dialogue between researchers and practitioners in civil, mining and petroleum industries. Pre- and post-symposium short courses and field trips to the Superconducting Super Collider (SSC) project are planned.

Call for abstracts circular: contact P. Nelson or S. Laubach, NARM, Continuing Engineering Studies, University of Texas, Austin, TX 78712, U.S.A. Fax: 512 471 0140.

Abstract deadline: 30 September 1993.

Weddell Sea Tectonics and Gondwana Breakup

6–7 June 1994; Cambridge, U.K.

This meeting is hosted by the British Antarctic Survey (BAS) at Cambridge, and convened by E. King, R. Livermore and B. Storey. It will be held in the historic

surroundings of Madingley Hall, a Tudor hunting lodge near Cambridge. The meeting aims to bring together those working on tectonic problems related to the breakup of Gondwana in the Antarctic Weddell Sea sector, and provide opportunities for special interest groups to meet and discuss progress. Apparently-conflicting evidence concerning plate kinematics will be reviewed and hopefully reconciled. A publication is planned arising from this meeting.

Title and outline: 1 September 1993.

Contact: B. Storey, BAS, High Cross, Madingley Road, Cambridge CB3 0JS, U.K. Fax: 0223 62616.

11th International Conference on Basement Tectonics

25–29 July 1994; Potsdam, Germany

This conference sponsored by GeoForschungsZentrum Potsdam and the International Basement Tectonics Association Inc., Salt Lake City, is concerned with all aspects of the tectonics of the continental crust acting as a craton. The following conference themes are proposed: continental-scale features of basement rocks of Phanerozoic cratons, with emphasis on Europe; extrapolation and correlation of geological and geophysical data from basement rocks, an assessment; mechanism and processes of tectonic decoupling of crustal layers; role of basement exhumation in the evolution of orogenic belts. Field trips are proposed to the Saxonian granulite massif and its Palaeozoic rim, the Hartz Mountains (Variscides), the Erzgebirge belt of the Bohemian massif, and the Elbe region.

Final circular and Contact: O. Oncken, GeoForschungs-Zentrum, Telegrafenberg, D-O-1561 Potsdam, Germany. Fax: 049 331 310601.

TSGS, NORWAY

The Tectonics and Structural Geology Studies Group of the Norwegian Geological Society was initiated in 1983, to stimulate interest and development in the fields of structural geology and tectonics, within academic institutions and industry. TSGS arranges annual meetings, focusing on topics of interest to both university and industry geologists, with onshore as well as offshore applications.

For information on TSGS activities, contact A. G. Koestler (Chairman), Geo-Recon A.S., Bernhard Herresvei 3, N-0376, Oslo, Norway. Fax: 22 83 85 29.

Forthcoming meeting

Strike-slip Tectonics: 4–5 November 1993; Trondheim, Norway

This meeting will focus on the significance of strike-slip tectonics in post-Caledonian times during Late Paleozoic and Mesozoic rifting, and in the opening of the North Atlantic and Arctic oceans. Two days of lecture and poster presentations will aim for a balance between onshore and offshore studies. Possible themes will be problems in recognition of ductile and brittle strike-slip deformation, relative roles of dip-slip, oblique-slip and strike-slip, and significance of strike-slip tectonics in the Caledonian orogeny. A 1-day field excursion to the More-Trondelag fault zone will be arranged, subject to interest.

Papers and abstracts from the meeting will be published in *Norsk Geologisk Tidsskrift*.

Response deadline: 1 September 1993.

Abstract deadline: 30 September 1993.

Contact: Stephen Lippard, TSGS 1993, Institutt for geologi og bergteknikk, NTH, 7034 Trondheim, Norway. Fax: 07 59 48 14.

SGTSG: AUSTRALIA

Forthcoming meeting

Deformation Processes in the Earth: From Microcracks to Mountain Belts: 6–11 February 1994; Jindabyne, SE Australia

This field conference of the Australian Specialist Group in Tectonics and Structural Geology will meet at Jindabyne in alpine New South Wales. There will be 4 days of oral and poster presentations, with special thematic sessions and general sessions. The themes will include: crust–mantle dynamics; core complexes; granite emplacement processes; metamorphism, fluids and deformation; applications of geochronology to structural problems; and a workshop on shear criteria.

Two field trips are planned. A 2-day pre-meeting trip (5–6 February) will examine ideas on the structural/metamorphic evolution of the Cooma metamorphics, and the thrusts and associated structures in the Ordovician–Silurian sedimentary sequence. A 4-day post-conference excursion (12–15 February) will traverse the Lachlan Fold Belt to examine the interaction of the Gilmore and Mooney Mooney fault zones with Cambro-Ordovician basement, the Ordovician metamorphism, and the Siluro-Devonian sedimentary basin development.

Contact: Mark Rattenbury, SGTSG Jindabyne Conference, Australian Geological Survey Organization, P.O. Box 378, ACT 2601, Australia. Fax: 61 6 249 9938.

Title deadline: 30 June 1993.

Abstract deadline: 15 September 1993.

STRUCTURAL GEOLOGY AND TECTONICS DIVISION, GEOLOGICAL SOCIETY OF AMERICA

Report of 1992 Meeting

The 1992 Cincinnati meeting included 15 structure and tectonics sessions. The SG&T Division-sponsored symposium, "The Role of Fluids in Deformation", was organized by T. Engelder and J. Tullis, and there were six theme sessions with a strong interest for SG&T members. The pre-meeting Short Course "How to do Anything with Mohr Circles" was run by W. Means. At the business meeting of the Division, the Career Contribution Award was presented to John Crowell, and the Best Paper Award was given to Paul Hoffman for "United Plates of America..." (*Ann. Rev. Earth Planet. Sci.* **16**, 543–603). Mark Cloos led a discussion on possible new funding initiatives to support research in structural geology and tectonics, and interest was shown in a future workshop on Teaching Structural Geology.

GSA Annual Meeting, 1993

25–28 October 1993; Boston, Massachusetts

This Annual Meeting will have a wide-ranging program, with a central focus on Geology and Health. The Division-sponsored symposium is "Inferring Paleoearthquakes from Fault-rock Fabrics: Experimental and Field Evidence", convened by F. M. Chester and R. L. Bruhn. In addition to the usual discipline sessions is a theme session "Pluton interiors: structure and dynamics". A range of field trips throughout New England

and the Northwest are on offer. The Division-sponsored Short Course, "Fracture Mechanics of Rock", will be run by T. Engelder, M. R. Gross and M. P. Fischer.

Further information on all GSA Meetings: The Meetings Department, GSA, P.O. Box 9140, Boulder, CO 80301, U.S.A.

The SG&T Division Newsletter is edited by Greg Davis and Scott Paterson, Department of Geological Sciences, University of Southern California, Los Angeles, CA 90989-0740, U.S.A. Fax: 213 740 8801.

STRUCTURAL GEOLOGY AND TECTONICS DIVISION, GEOLOGICAL ASSOCIATION OF CANADA

For information on Canadian activities, consult *The Main Thrust*, Newsletter of the SG&T Division of GAC, or contact Keith Benn, Division Secretary, Department of Geology, University of Ottawa, 161 Louis Pasteur, Ottawa, Ontario K1N 6N5, Canada. Fax: 613 564 9916.

Forthcoming meetings

CTG, Annual Meeting: 15–17 October 1993; Espinola, Ontario

The Canadian Tectonic Group annual meeting is informal, and encourages oral and poster presentations. There will be an associated field trip to the Penokean orogen, Southern Province.

Contact: Frank Fueten, Earth Sciences Department, Brock University, St Catharines, Ontario, Canada L2S 3A1. Fax: 416 688 2789.

GAC/MAC Annual Meeting: 17–18 May 1994; Waterloo

The combined meeting of the Geological Association of Canada and the Mineralogical Association of Canada will hold its 1994 meeting at the University of Waterloo, Ontario.

Contact: A. V. Morgan, Department of Earth Sciences, University of Waterloo, Ontario, Canada N2L 3G1.

TSG: TECTONIC STUDIES GROUP, BRITAIN

The TSG is an informal study group affiliated to the Geological Society of London. Its Annual General Meeting, held in December, is open to all interested participants, and particularly encourages contributions from research students. The AGM is at a different university location each year, and the next will be held in Ireland for the first time. TSG also supports thematic meetings, and combined meetings with other specialist groups.

For general information on TSG, consult *Geoscientist* (*Geol. Soc. [Lond.] Newsletter*), or contact Dave Prior, TSG Secretary, Department of Earth Sciences, University of Liverpool, P.O. Box 147, L69 3BX, U.K. Fax: 051 708 6502.

Forthcoming meetings

Fractography: 13 September 1993; London, U.K.

This meeting, sponsored jointly by TSG and the Petroleum Group, is aimed at presenting and discussing Fractography, an emerging specialized discipline within the broad field of fracture studies. The meeting will consider all aspects of fractography in geology, with a

view to its uses to determine the type of fracture, propagation direction and rate, relative age, orientation of causative stresses, and tectonic implications.

Contact: M. S. Ameen, GeoScience Limited, Silwood Park, Ascot SL5 7QW, U.K. Fax: 0344 872438.

TSG Annual Meeting: 13–15 December 1993; Dublin, Ireland

The meeting at Trinity College, Dublin, will be convened by D. Johnston and K. McCaffrey.

Contact: D. Johnston, Geology Department, Trinity College, Dublin 2, Ireland. Fax: 353 1 711199.

Abstract deadline: 15 October 1993.

Planetary Geology: 18–19 May 1994; Burlington House, London

This is planned as a combined meeting with the Geological Remote Sensing Group (GRSC) and the Joint Association for Geophysics (JAG), to be held at the Geological Society, London. One theme of the meeting will be planetary tectonics, with contributions encouraged on Magellan results from Venus, and current studies of Mars.

Contact: G. Lawrence, TREICOL, 46 Pondcroft Road, Knebworth, Herts SG3 6DB, U.K. Fax: 0438 816513.

TSK: GERMAN-SPEAKING COUNTRIES

The TSK is a study group for tectonics, structural and crystalline geology, in the German-speaking countries of Europe. It meets every 2 years, to provide opportunities for structural geologists to present and discuss their research.

Forthcoming meeting

TSK Meeting: 7–9 April 1994; Gottingen, Germany

Contact: K. Weber, Institute of Geology and Dynamics of the Lithosphere, University of Gottingen, Goldschmidstrasse 3, D-3400 Gottingen, Germany. Fax: 0551 39 97 00.

SHORT NOTICES

Excursions to Cuba

Raul Flores García would like to offer to fellow members of the IASTG the possibility of visiting Cuba in small groups, for short projects on the geology of island arcs and arc-continent collision. He can provide information on maps, papers, etc. *Contact:* R. L. Garcia, Department of Regional Geology, Institute of Geology and Paleontology, Via Blanca y Linea del Ferrocarril, La Habana 11000, Cuba. Fax: 53 7 338213.

Excursions to CIS

The All-Russian Geological Research Institute (VSEGEI) and Geological Service and Travel can organize scientific excursions on structural geology and other branches of geosciences in the territory of CIS. VSEGEI can also help in obtaining information about different regions of CIS. *Contact:* S. A. Semiletkin, VSEGEI, 199026, St Petersburg, Sredny Pr., 74 Russia. Fax: 812 422 4509.

Structural Geology Group, Slovak Geological Society

This group organizes annual meetings and excursions, and aims to coordinate structural and tectonic research in the Western Carpathians and in Slovakia. International communication and cooperation are welcomed. Contact: O. Samuel or D. Plasienka, 817 04 Bratislava, Mlynska Dolina 1, Czechoslovakia.

Tectonic Division of Geological Society of South Africa (T'DOGS)

For information on activities, contact S. McCourt, Chairman T'DOGS, Department of Geology, University of

Pretoria, 0083 Hillcrest, Pretoria, South Africa. Fax: 12 433430.

PC users of GeoRef and Papyrus

PC users wishing to transfer data from GeoRef CD-ROM into the Papyrus bibliographic database may be interested in a QuickBASIC program written by Philip Nell. This program converts GeoRef download files into PAPX format, for easy import. For source code or a compiled .EXE file (available free), please send a disk with stamped-addressed envelope to P. A. R. Nell, Geology Department, University of Manchester, Manchester M13 9PL, U.K. Or Email: MBEGSPN@UK.AC.MCC.CMS.

Thanks to all who have contributed information to this Newsletter.

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