

## INTERNATIONAL NEWSLETTER 4: JULY 1992

The purpose of this Newsletter is to communicate news about activities in structural geology and tectonics from all over the world, and to provide a mouthpiece for the newly formed *International Association of Structural/Tectonic Geologists* (IASTG). As there may be many IASTG members who do not have access to the *Journal of Structural Geology*, I invite *JSG* readers to copy this and other newsletters to any colleagues and contacts who they think may be interested. This way, I hope that we can achieve a good worldwide circulation of news about the IASTG, and about activities in structural geology and tectonics around the world.

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.

Please send information, articles and suggestions to me at any time. Secretaries of national structural/tectonic groups are urged to send me information on a regular basis, without being reminded. Conference organizers should send their notices as early as possible, and include the abstract deadline date, to be of most use around the world. The *International Newsletter* is approximately twice-yearly. This issue is a little early, to precede a special double issue of *JSG*.

### INTERNATIONAL ASSOCIATION OF STRUCTURAL/TECTONIC GEOLOGISTS (IASTG) PROGRESS REPORT JUNE 1992

The main items of news since the last report in Newsletter 3 concern IUGS Affiliation, and the IASTG Directory.

#### IUGS Affiliation

In February, I received news from Dr Robin Brett, Secretary General to the International Union of Geological Sciences, that the IUGS Executive Committee had agreed to accept the IASTG application to become an affiliated organization of the IUGS. Final acceptance is expected to be ratified by the Council in August 1992, at the 29th International Geological Congress at Kyoto. I hope to be able to attend this meeting at IGC, in case any queries arise. In the meantime, I have provided Dr Brett with a full report of IASTG progress and activities.

#### IASTG Directory

The IASTG Directory was produced in February 1992, and mailed to members during March, as planned. This was compiled from IASTG enrolments received between 12 November 1990 and 20 February 1992; the total IASTG membership was then 733, and 690 members had elected to go into the Directory. This Directory is a 15 × 21 cm 90-page spiral-bound booklet containing names, addresses, phone and fax numbers and research descriptions, for

each member. The first two pages (actually bound in the wrong order) are a Preface which outlines the IASTG and its activities: the international newsletters, and the membership directory.

Donorship to the IASTG Fund is acknowledged on the back cover of the Directory, and all others who have helped, in the inside-front cover. In lieu of a financial contribution to the IASTG Fund, Pergamon Press provided practical help by packaging the Directory, and distributing it at their special mail rates. In the Preface, the question is raised about how to replenish the IASTG Fund for the costs of producing the Directory—necessary if we are to ensure financial security for further IASTG activities. I have suggested that some members might like to send a voluntary contribution to the IASTG Fund, as a retrospective payment for this Directory.

Membership of the IASTG now (1 June 1992) stands at 772. It is planned that members who enrolled after the production of the first Directory will be sent a Directory, together with supplementary pages of new members and amendments, within a few months. Membership details and alterations are continuously updated, and eventually it may be necessary to provide a new version of the Directory; but certainly not in the near future.

#### Current and future IASTG activities

I have been invited to speak about the IASTG, at an informal workshop/social evening on *Future Perspectives in Structural Geology and Tectonics*, at the 29th International Geological Congress at Kyoto. However, I have not had much time to think about the *future* of the IASTG; most of my time so far has been taken up with the membership, the directory and the newsletters. From my own viewpoint, the IASTG has achieved the intended purpose of providing a means of international communication. Recall that it was not set up to be a formal association to organize meetings, and I must stress that I am not in a position to organize international conferences, personally.

My current plans are to maintain the membership base, and provide the means, through the *International Newsletter* and the Directory, for international exchanges of news and ideas. I am interested in hearing members' views on possible future roles for the IASTG.

Susan H. Treagus *IASTG Coordinator*  
Manchester, U.K.

*IASTG Backing Committee:* P. Bankwitz (Germany), K. Birkenmajer (Poland), J.-P. Burg (France), R. Butler (U.K.), M. P. Coward (U.K.), G. A. Davis (U.S.A.), S. K. Ghosh (India), P. L. Hancock (U.K.), X. Ma (China), W. D. Means (U.S.A.), G. Mitra (U.S.A.), C. W. Passchier (The Netherlands), R. A. Price (Canada), 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* B. Ward (Manchester)

## INTERNATIONAL MEETINGS

### 29th International Geological Congress (IGC)

24 August–3 September 1992; *Kyoto, Japan*

The final programme will be in the Third Circular.

Contact: 29th IGC, P.O. Box 65, Tsukuba, Ibaraki 305, Japan. Fax: 81 298 54 3629.

### AGU Chapman Conference: Tectonics and Topography

31 August–4 September 1992; *Snowbird, Utah, U.S.A.*

Topics to be discussed include the effects of climate change and active tectonics on topography, plate-scale tectonics, feedback between crustal dynamics and surface processes, and current approaches to modelling geomorphology.

Contact: AGU Meetings, 2000 Florida Ave, N.W., Washington, DC 20009, U.S.A. Fax: 202 328 0566.

### Basin Inversion

5–7 October 1993; *Oxford, U.K.*

Basin inversion is a major factor in prospectivity of many hydrocarbon provinces in the world. Tectonic inversion is important in structure formation, fluid migration, fault sealing, source rock maturity, top seal integrity and basin evolution in general. The conference aims to bring together people who are interested in all these topics.

Contact: P. Buchanan, CogniSeis Development, Stanley House, Kelvin Way, Crawley, Sussex RH10 2SX, U.K. Fax: 0293 515344.

### Fractals in Dynamic Systems in Geosciences

1–3 April 1993; *Frankfurt, Germany*

This conference is intended to bring together colleagues from different fields of geoscience, who are involved in various applications of fractal geometry and non-linear systems to geoscientific research. The aim of the meeting is to give an overview of the present state of knowledge. Contributions (oral or poster) are welcome from all fields of geoscience. The meeting is timed to precede the 1993 EUG in Strasbourg.

Contact: J. H. Kruhl, Geol.-Paleont. Institute, JW Goethe University, Senckenberganlage 32, D-6000 Frankfurt/Main, Germany. Fax: 0049 68 7988383.

### Operationalization of Remote Sensing

19–23 April 1993; *Enschede, The Netherlands*

This international symposium is jointly organized by the ITC with the support of EARSeL, the Dutch Remote Sensing Board (BCRS) and the Remote Sensing Society (U.K.). It will be the first meeting to be entirely devoted to the topic of operationalizing remote sensing, since the removal of internal borders of the European Community.

Many governments have invested large sums in remote sensing research and development over many years. The major challenge facing the remote sensing community is how to convert the research results into practical, cost-effective, operational activities.

Individuals from government organizations, remote sensing agencies, research institutes and companies are invited to contribute. Some keynote addresses have been invited on a variety of topics.

Abstract deadline: 30 October 1992.

Contact: J. L. van Genderen, ITC, P.O. Box 6, 7500 AA Enschede, The Netherlands. Fax: 31 53 874 436.

### 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 a successor to the 1989 Leeds "Rheology", and the 1991 Montpellier "Instabilities" meetings. Contributions are invited on structural associations related to different lithospheric levels, in which deformation processes partition in response to rheological and mechanical behaviour. The following topics are welcomed: structural associations; strain partitioning; quantification of deformation processes; deformation paths; modelling of lithospheric processes; influence of fluid activity; rheology; microfabrics.

Post-conference field excursions will be offered to the Eastern Alps and the Bohemian Massif (8–11 September).

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

## SPECIALIST GROUP IN TECTONICS AND STRUCTURAL GEOLOGY, AUSTRALIA

### Forthcoming SGTSG meetings

*Structural and Metamorphic Studies in High Grade Metamorphic Terrains: 7 October 1992; Melbourne*

This one-day meeting, convened by C. J. L. Wilson and R. Powell, will consider both field-based and theoretical studies of high grade metamorphic terrains. Particular emphasis will be directed at understanding the origin and evolution of high grade terrains in the Eastern Antarctic Shield and the Australian Craton.

Contact: C. Wilson, School of Earth Sciences, University of Melbourne, Parkville, Victoria 3052, Australia. Fax: 61 3 3447761.

*Deformation Processes: Microcracks to Mountain Belts: February 1994; Jindabyne, SE Australia*

This next major (international) conference will be concentrating on structural and tectonic processes at all scales. Jindabyne is a small mountain township 2 hours drive south of Canberra. The conference will have accompanying field trips in the Lachlan Belt of SE Australia.

For further information on this conference, or SGTSG in general, contact S. F. Cox, Chairman SGTSG, Research School of Earth Sciences, ANU, G.P.O. Box 4, Canberra, ACT 2601, Australia. Fax: 61 6 249 0738.

### **TSK: STUDY GROUP FOR TECTONICS, STRUCTURAL AND CRYSTALLINE GEOLOGY, IN GERMAN-SPEAKING COUNTRIES**

The TSK is an independent group, and does not raise any fees. Meetings take place every 2 years, and provide opportunities, especially for young structural geologists, to present and discuss their research. This year's meeting was held at Darmstadt.

#### **Forthcoming Meeting**

*TSK Meeting: 7–9 April 1994; Göttingen, Germany*

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

### **STRUCTURAL GEOLOGY AND TECTONICS DIVISION, GEOLOGICAL SOCIETY OF AMERICA**

The theme of the 1992 GSA Annual Meeting at Cincinnati is *From Columbus to Magellan—Discovery* ("The Voyage Continues"). A special Keynote Symposium with this title begins the Annual Meeting, and includes contributions on *State of Stress in the Crust* (M. L. Zoback), and *Importance of Precise U/Pb Time Measurements in Geological Correlations* (T. E. Krogh). The Division-sponsored Symposium, organized by J. A. Tullis, is *The Role of Fluids in Crustal Deformation*. As always, there will be a large number of structure and tectonics sessions for volunteered contributions on various topics.

The Division-sponsored Short Course, by W. D. Means, is *How to do anything with Mohr circles—a short course about tensors for geologists*.

#### **GSA Annual Meetings**

26–29 October 1992; Cincinnati, Ohio.  
25–28 October 1993; Boston, Massachusetts.

*Information for the SG&T Division Newsletter* should be sent to Greg Davis/Scott Paterson (Editors), Department of Geological Sciences, University of Southern California, Los Angeles, CA 90989-0740, U.S.A. Fax: 213 740 8801.

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

### **STRUCTURE AND TECTONICS GROUPS, CANADA**

The Structural Geology and Tectonics Division of the Geological Association of Canada plans to sponsor the following sessions at the annual GAC Meeting in Edmonton in 1993: *Extensional tectonics in the northern Cordillera*, organized by D. Brown; *Deformation mechanisms and models*, organized by F. Fueten, P.-Y. Robin and S. Cruden; and *Glaciotectonics*, organized by W. Langenberg and M. Fenton. In addition, a Short Course, *Micro-computer applications in structural geology* will be offered by H. Charlesworth.

#### **Forthcoming meeting**

*CTG Annual Meeting: 23–25 October 1992; Nordegg, Alberta*

This meeting, organized by P. Erdmer and W. Langenberg, will take place in a rustic log-cabin-style retreat in the forest foothills of the Rockies. Field trips will highlight the structures and geology of the Mesozoic rocks of the Foothills clastic wedge, and of the Palaeozoic Front Ranges.

Nordegg is about equidistant (3½ hour drive) from Edmonton and Calgary. For travel arrangements, or other details, contact P. Erdmer (address below).

For further information on Canadian activities, consult *The Main Thrust*, Newsletter of the SG&T Division of GAC, or contact Philippe Erdmer, Division Secretary, Department of Geology, University of Alberta, Edmonton, AB, Canada T6G 2E3. Fax: 403 492 2030.

### **TECTONIC STUDIES GROUP, U.K.**

#### **Forthcoming meetings**

*TSG Annual Meeting: 14–16 December 1992; University of Southampton*

*Abstract deadline: 17 October 1992.*

*Contact:* D. J. Sanderson, Department of Geology, University of Southampton, Southampton SO9 5NH, U.K. Fax: 0703 593052.

*Deformation and Fluid Flow: May 1993; London*

This one-day meeting is planned to take place at the Geological Society, Burlington House, and to be convened by Rob Knipe (Leeds).

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

### **SHORT NOTICES**

#### **Tectonics and Structural Geology Studies Group of Norway**

For information on activities, contact A. G. Koestler (Chairman), Geo-Recon A.S., Bernhard Herresvei 3, N-0376, Oslo, Norway.

#### **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.

#### **Structural Geology Group, Slovak Geological Society**

This group organizes annual meetings and excursions, aims to co-ordinate structural and tectonic research in the Western Carpathians and in Slovakia, and welcomes

international communication and co-operation. Contact O. Samuel or D. Plasienska, 817 04 Bratislava, Mlynska Dolina 1, Czechoslovakia.

#### **Research in Tectonics and Sedimentation of the Eastern Mediterranean**

Edinburgh University Tethyan Research Group currently involves four members of staff and about 13 post-graduates, researching in Greece, Turkey, Cyprus and Albania. Anyone interested in making contact, exchanging ideas, or finding out more about these activities may

contact A. Roberston, Department of Geology and Geophysics, Edinburgh University, Edinburgh EH9 3JW, U.K.

#### **STEREO-Darts**

STEREO-Darts is a simple game for IBM-compatible computers, which is designed to help teach stereographic projection as used in structural geology. The program concentrates on training students to visualize the projection of linear and planar structures, by presenting problems analogous to a game of darts. For more information, contact R. J. Lisle, 197 Mayals Road, Swansea SA3 5HQ, U.K.

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Thanks to all who have contributed information to this Newsletter.

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