

NGG/44(82) **International Association of Seismology  
and Physics of the Earth's Interior**

NGG/44(82)

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In your reply refer to our ref:

NEWSLETTER NO. 6 JUNE 1982

**TO: National Correspondents, Officers and Representatives of the Association and related organizations.**

Association activities have been quiet following the Assembly in London, Canada, last year. The minutes of this meeting have now been published in the IUGG Chronicle, and convenors' summaries of sessions have also been submitted.

Plans for the next Assembly at Hamburg in 1983 were discussed in detail when the Bureau met in Newbury in March, and are described below. From the arrangements already being made by the German organizers, it seems that this Assembly should be just as successful as last year's, and we hope for strong support from seismologists everywhere.

*Robin Adams*

R D Adams  
Secretary-General

IASPEI GENERAL ASSEMBLY 1983

Notice is hereby given that IASPEI will hold its 22nd General Assembly, in conjunction with the XVIII General Assembly of IUGG, 15-27 August 1983, at Hamburg, Federal Republic of Germany.

National Correspondents, and others, should note that plenary business sessions are planned for 15 August and 24 August. Among the items of business will be election of officers for the ensuing period, and the presentation of accounts, as well as the consideration and adoption of resolutions. Countries are no longer required to present National Reports, but these are welcome if countries wish to prepare them.

IUGG PROGRAMME

IUGG is sponsoring 21 inter-Association symposia, of which IASPEI is taking the lead in three, and participating in eight more.

IASPEI Lead

**8. Assessment of Natural Hazards (with IAVCEI, IAHS, IAPSO, Tsunami Committee)**

Principal Convenor: Prof G Schneider  
Institut für Geophysik, Universität Stuttgart  
Richard-Wagner-Str. 44, D-7000 Stuttgart - 1  
FEDERAL REPUBLIC OF GERMANY

**9. Time-dependent Processes and Properties in Planetary Materials (with IAVCEI, ICL)**

Principal Convenor: Prof H Stiller  
Zentralinstitut für Physik der Erde, Telegrafenberg  
DDR-15 Potsdam, GERMAN DEMOCRATIC REPUBLIC

## 10. Heat Flow and Geothermal Processes (with IAVCEI, IAHS)

Principal Convenor: Prof L Rybach  
 Institut für Geophysik, ETH - Hönggerberg  
 CH 8093 Zürich, SWITZERLAND

IASPEI Participation

## 1. Structures and Processes in Subduction Zones (Lead - IAVCEI)

IASPEI Convenor: Dr I S Sacks  
 Carnegie Inst. of Washington  
 Dept of Terrestrial Magnetism  
 5241 Broad Branch Road, NW  
 Washington D C, 20015, U S A

## 2. Lithospheric Deformations (Lead - IAG)

IASPEI Convenor: Prof Zeng Rong-Sheng  
 Institute of Geophysics  
 State Seismological Bureau  
 Beijing, CHINA

## 5. Geophysics of the Polar Regions (Lead - IUGG)

IASPEI Convenor: Dr E S Husebye  
 NTN/NORSAR, P O Box 51  
 N-2007 Kjeller, NORWAY

## 6. Data Management (Lead - IAGA)

IASPEI Convenor: Dr O Dahlman  
 Research Inst for National Defence  
 FOA 202, S-104 50 Stockholm 80, SWEDEN

## 7. Hot Spots and Mantle Plumes (Lead - IAVCEI)

IASPEI Convenor: Prof E R Kanasewich  
 Dept of Physics, University of Alberta  
 Edmonton, Alberta, CANADA T6G 2J1

## 11. Structure, Composition and Origin of the Oceanic Crust (Lead - IAVCEI)

IASPEI Convenor: Dr H Shimamura  
 Lab for Ocean Bottom Seismology  
 Geophysical Inst, Hokkaido University  
 Sapporo 060, JAPAN

## 12. Plateau, Uplift, Rifts and Volcanism (Lead - ICL)

IASPEI Convenor: Dr R W Girdler  
 School of Physics, The University  
 Newcastle-upon-Tyne NE1 7RU  
 ENGLAND, U K

## 13. Scientific Discoveries from MAGSAT Investigations (Lead - IAGA)

IASPEI Convenor: Prof J A Jacobs  
 Bullard Laboratories, Madingley Rise  
 Madingley Road, Cambridge CB3 0EZ  
 ENGLAND, U K



IASPEI PROGRAMME

In addition to participating in the IUGG Symposia, IASPEI will hold scientific meetings on the following topics. Convenors' addresses are listed overleaf. Please note that dates are still provisional. IASPEI Commissions will also meet.

Microseisms Convenors: Darbyshire, Nikolaev	- 17 August
Structure of the Deep Interior of the Earth Convenors: Mueller, Cormier	- 19 August
Quantitative Geodynamics Convenors: Neugebauer, Olson	- 19 August
Comprehensive Mapping of the Lithosphere (with Commission for Geological Map of the World) Convenors: Belousov, Giese	- 22 August
Earthquake Prediction: Theory, Physics and Case Histories Convenors: Shimazaki, Rice	- 22-23 August
Earthquake Algorithms Convenors: Engdahl, Doornbos	- 24 August
Earthquake Parameters Convenors: Duda, Vanek	- 25 August
Paleogeothermics Convenors: Buntebarth, Stegena	- 25 August
Standards in Geothermics Convenors: Haenel, Cermak	- 25 August
Analysis of Strong Earthquake Motions Convenor: Ambraseys	- 26 August
Structure, Seismicity and Dynamics of Europe Convenors: Ritsema, Malaroda	- Poster session, probably in first week.
Tsunami Wave Propagation (with IAPSO) Convenors: Wu, Soloviev	- To be arranged by IAPSO

In addition to the Presidential Address, Association Lectures will be given by Dr B L N Kennett and Prof G J Wasserburg.

Those interested in presenting papers either for the IUGG or IASPEI programmes, should contact convenors directly. Abstracts are to be submitted by 15 March 1983 on forms available from convenors, the Local Organizing Committee, or the IASPEI secretariat.

For registration and details of conference arrangements and IUGG programmes, please contact:

IUGG Organizing Committee  
Hamburg Messe u Congress GmbH  
Postfach 302360  
D-2000 Hamburg 36  
FEDERAL REPUBLIC OF GERMANY

The Second Circular has already been published and the Third with full programme and time-table details is expected later this year.

CONVENORS IASPEI PROGRAMME 1983

Prof N N Ambraseys  
Dept of Civil Engineering  
Imperial College of Science & Technology  
Imperial Institute Road  
London SW7 2BU, ENGLAND UK

Prof V V Belousov  
Inst. of Physics of the Earth  
Academy of Sciences of USSR  
Bolshaya Gruzinskaya 10,  
Moscow 123 242, U S S R

Dr G Buntebarth  
Inst. für Geophysik  
Technische Universität Clausthal  
Postfach 230, D-3392 Clausthal Zellenfeld  
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Dr V Cermak  
Geophysical Institute, Bocni II, CP 1401  
14131 Praha 4 - Sporilov, CZECHOSLOVAKIA

Dr V F Cormier  
Lincoln Lab., Applied Seismology Group  
Massachusetts Inst. of Technology  
Cambridge Mass 02142, U S A

Prof J Darbyshire  
Dept of Physical Oceanography  
Marine Science Labs, Menai Bridge  
Anglesey, Gwynedd LL59 5EY, NORTH WALES UK

Dr D J Doornbos  
NTNF/NORSAR, P O Box 51  
N-2007 Kjeller, NORWAY

Prof S J Duda  
Institut für Geophysik, Bundesstrasse 55  
D-2000 Hamburg 13  
FEDERAL REPUBLIC OF GERMANY

Dr E R Engdahl  
Chief, Branch of Global Seismology  
USGS, Denver Federal Center  
Box 25046, Stop 967  
Denver, CO 80225, U S A

Dr P Giese  
Institut für Geophysikalische  
Wissenschaften  
Rheinbabenallee 49, 1-Berlin 33  
FEDERAL REPUBLIC OF GERMANY

Dr R Haenel  
Niedersachs. Landesamt für Bodenforschung  
A Bentz-Haus, Stilleweg 2  
POB 54, 3 Hannover  
FEDERAL GERMAN REPUBLIC

Prof R Malaroda  
Istituto di Geologia  
Via Accademia delle Scienze 5  
10123 Torino, ITALY

Prof G Mueller  
Institut für Meteorologie u Geophysik  
Feldbergstrasse 47  
D-6000 Frankfurt a M 1  
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Prof H J Neugebauer  
Institut für Geophysik  
Technische Universität Clausthal  
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Prof A V Nikolaev  
Inst. of Physics of the Earth  
Academy of Sciences of USSR  
Bolshaya Gruzinskaya 10  
Moscow 123 242, U S S R

Prof P Olson  
Earth & Planetary Sciences  
John Hopkins University  
Baltimore MD 21218, U S A

Prof J R Rice  
Div. of Applied Sciences, Harvard University  
Pierce Hall, Oxford Street  
Cambridge, Mass 02138, U S A

Dr A R Ritsema  
KNMI, Box 201  
3730AE De Bilt, NETHERLANDS

Prof K Shimazaki  
Earthquake Research Institute  
Yayoi 1-1-1, Bunkyo-ku  
Tokyo 113, JAPAN

Prof L Stegena  
Dept. of Cartography, Eotvos University  
Kun B 2, H 1083 Budapest VIII  
HUNGARY

Dr J Vanek  
Geophysical Institute  
Bocni II, CP 1401  
14131 Praha 4 - Sporilov  
CZECHOSLOVAKIA

Prof T Y Wu  
California Institute of Technology 104-44  
Pasadena, CA 91125, U S A

Prof S L Soloviev  
Institute of Oceanology, Krasikova 23  
Moscow, 117218, U S S R



## FUTURE ASSOCIATION ACTIVITIES

It now appears very likely that IASPEI will hold a Regional Assembly in India, probably at Hyderabad, late in 1984. Particular attention will be focussed on regional problems, and on those aspects of the Association's activities relating to the physics of the earth.

It is now almost certain that the 1985 General Assembly of IASPEI will be held in Tokyo, and that this will be a meeting of IASPEI alone.

As a follow-up of the joint Unesco-IASPEI Working Group on Historical Seismograms, held in Canada in 1981, a small workshop is being planned to be held in Tokyo in December 1982, to discuss the aspects of this programme relating to South East Asia.

## ARAB SEISMOLOGICAL PROGRAMME

Unesco is carrying out a feasibility study for the Arab Fund for Economic and Social Development and the Islamic Development Bank, for a coordinated programme for assessment and mitigation of earthquake risk throughout the Arab region. Disasters in recent years, such as at Agadir and El Asnam, have shown the need for such a study, and it is hoped that the programme will greatly strengthen all aspects of seismology in Arab countries. We also hope that Arab countries will continue to play a full part in IASPEI affairs.

## COMPUTER ANALYSES OF STRONG NEW ZEALAND EARTHQUAKES

The New Zealand Department of Scientific and Industrial Research has recently published the results of computer analyses of twenty three-component accelerograms recorded by the New Zealand Strong-Motion Network. For each are plotted acceleration, velocity and displacement histories, acceleration response spectra and Fourier amplitude spectra. The range of peak accelerations is 3 to 19%g, and the information is available on magnetic tape. Enquiries should be made to: Engineering Seismology Section, Physics and Engineering Laboratory, DSIR, Private Bag, Lower Hutt, New Zealand.

## EARTHQUAKES NEAR THE ASWAN DAM

An earthquake of magnitude (Ms) 5.2 occurred about 60 km south west of the Aswan Dam, in southern Egypt, on 1981 November 14. It caused minor damage nearby, but no significant damage to dam installations, and was felt widely, particularly to the south, where it was noticed at Khartoum, 900 km away.

Numerous small aftershocks are being recorded by the permanent stations of the Helwan Institute of Astronomy and Geophysics, and by a set of portable recorders operated by the Geological Survey of Egypt. Unesco has arranged for a working visit by Dr D W Simpson and two colleagues from Lamont-Doherty Geological Observatory, who are helping to install additional equipment and carrying out full seismological and geological investigations.

## OBITUARY

We have suffered another tragic loss in the death, late last year, of Dr J R Cleary, of the Australian National University, Canberra. John has made a magnificent contribution in many aspects of seismology, and was one of the first to realise and use the potential of arrays in the determination of travel times, and crustal and deep structure of the earth. His work and particularly his collaboration with Prof Anton Hales will remain as his scientific memorial, but his friends will also remember his helpfulness, his charm and his ready wit. We offer our deepest sympathy to his widow and family.



FORTHCOMING MEETINGS

The following is a selection of meetings from July 1982 in the field of interest of the Association.

- 1982 Aug 15-21 PHYSICS AND MITIGATION OF NATURAL HAZARDS  
Honolulu, Hawaii, USA  
Hawaii Institute of Geophysics  
Dr W M Adams, University of Hawaii  
2525 Correa Road, Honolulu, Hawaii 96822, USA
- 1982 Aug 16-20 FOURTH INTERNATIONAL SYMPOSIUM ON ANTARCTIC EARTH SCIENCES  
Adelaide, South Australia  
SCAR, IUGS  
Dr J B Jago, Box 1, Ingle Farm, SA 5098, AUSTRALIA
- 1982 Aug 23-27 EUROPEAN SEISMOLOGICAL COMMISSION - EUROPEAN GEOPHYSICAL SOCIETY  
Leeds, England  
ESC  
J T Gleave, Special Courses Division,  
The University, Leeds, UK
- 1982 Sep 13-17 INTERNATIONAL SYMPOSIUM ON SEISMICITY IN MINES  
Johannesburg, South Africa  
International Society for Rock Mechanics  
National Group on Rock Mechanics, Box 61809,  
Marshalltown 2107, REPUBLIC OF SOUTH AFRICA
- 1982 Sep 13-19 SEVENTH EUROPEAN CONFERENCE ON EARTHQUAKE ENGINEERING  
Athens, Greece  
EAEE  
Technical Chamber of Greece, 4 Karageorgi Servias Str,  
Athens, 125 GREECE
- 1983 Mar 14-19 SYMPOSIUM ON DIGITAL DATA - ACQUISITION AND PROCESSING IN SEISMOLOGY  
Thuringia, GDR  
Academy of Sciences of GDR  
Dr C Teupser, Zentralinstitut für Physik der Erde,  
Burgweg 11, PF106, 6900 Jena, GDR
- 1983 May 10-12 SOUTH PACIFIC REGIONAL CONFERENCE ON EARTHQUAKE ENGINEERING  
Wellington, New Zealand  
NZ National Society for Earthquake Engineering  
NZ Nat Soc for Earthquake Engineering, Box 243,  
Wellington, NEW ZEALAND
- 1983 Aug 15-27 XVIII GENERAL ASSEMBLY OF IUGG  
Hamburg, FRG  
International Union of Geodesy and Geophysics  
Local Organizing Committee, IUGG,  
Postfach 302360, 2000 Hamburg 36, FRG
- 1983 Aug 23-27 SYMPOSIUM ON 100-YEAR DEVELOPMENT OF KRAKATAU AND ITS SURROUNDINGS  
Jakarta, Indonesia  
Indonesian Institute of Sciences  
LIPI, Jalan Gatot Subroto, 250 Jakarta Pusat, Jakarta, INDONESIA
- 1984 Jul 21-28 8TH WORLD CONFERENCE ON EARTHQUAKE ENGINEERING  
San Francisco, California, USA  
IAEE  
EERI-SWCEE, 2620 Telegraph Avenue, Berkeley, Ca 94704, U S A