

IASPEI Newsletter
(No. 14, May 1985)

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

We are rapidly approaching our 23rd General Assembly to be held in Tokyo this August, which shows promise of being as equally successful as other recent Assemblies. These meetings are the times when the Association can come together and as well as exchanging new scientific ideas, we can plan our future activities. I trust that as many of our scientists as possible will be able to attend.

Robin Adams

R D Adams
Secretary-General

23rd GENERAL ASSEMBLY, TOKYO, 19-30 AUGUST 1985

Notice is hereby given to National Correspondents and others that the 23rd General Assembly of IASPEI will be held at the Keio Plaza Hotel, Tokyo, Japan, 19-30 August 1985. Plenary sessions, and provisional agendas are as follows:

20 August	1030	President's welcome Secretary-General's statement Nomination of Resolution Committee
30 August	1045	President's report Secretary-General's report Financial statement Association activities Programme for 1987 Assembly, Vancouver Venue for 1989 Assembly Adoption of resolutions Other business

Please note that this is not an Assembly at which elections are held for officers. Any item not on the formal agenda can be discussed with the approval of the majority of delegates present.

Registration Details of registration and accommodation are given in the Second Circular, available from

The Local Organizing Committee
 23rd General Assembly of IASPEI
 c/o Inter Group Corp.
 Akasaka Yamakatsu Bldg.
 8-5-32, Akasaka, Minato-ku
 Tokyo 107, JAPAN

Registration fees are now 30,000 Japanese Yen.

Details of scientific sessions and convenors are also given in the Second Circular. Abstracts should have been submitted to convenors by 30 April 1985.

IASPEI ASSEMBLY, VANCOUVER, CANADA, 1987

The 24th General Assembly of IASPEI will be held in association with the XIX General Assembly of IUGG at Vancouver, Canada, 9-23 August 1987. The inter-Association programme will be finalised at the IUGG Executive meeting 2-3 August, 1985. Preliminary suggestions for symposia to be led by IASPEI are:

1. Large scale three dimensional earth structure - with IAG, IAVCEI
2. Slow transmission of stress in the Earth - with IAG
3. Lower crust properties and processes - with IAGA
4. Hydrogeological regimes and their subsurface geothermal effects - with IAHS.

The programme of IASPEI activities will be discussed at the 1985 Tokyo Assembly.

BROAD-BAND AND LONG-PERIOD SEISMOLOGY

One of the Association Lectures at the Tokyo Assembly will be 'IRIS: A Universities Consortium for Major Seismological Research Facilities' by Prof T V McEvelly. The Incorporated Research Institutions for Seismology (IRIS) has recently circulated a draft 'Design Goals for a New Global Seismographic Network' to follow its 'Science Plan for a New Global Seismographic Network' published last year. The new publication gives suggested technical details for the proposed 100-station network, including data collection, transmission and storage. Further discussions on this project will be held during the American Geophysical Union meeting at Baltimore late in May 1985. The IRIS Standing Committee will be considering station distribution during the next few months. Dr E R Engdahl, Co-Chairman of the IASPEI Commission on Practice is closely involved with the international aspects of IRIS.

Dr E R Engdahl also represented IASPEI at a meeting held in Paris, 29-30 November 1984 to discuss the needs of broad-band and long-period seismological recording in Europe. The meeting opened with technical presentations describing existing instrumentation such as the French GEOSCOPE project (B. Romanowicz), the Dutch sponsored NARS network (G. Nolet) and the Graefenberg Array (R. Kind). Other workers described related research. These papers will be published in Annales Geophysicae.

At a later Working Group meeting it was stressed that there should be good cooperation and coordination between European projects and global programmes such as IRIS. GEOSCOPE also proposes to install up to 30 stations world-wide. The need for a central European data collection centre for digital data was stressed and the CSEM at Strasbourg was mentioned as a possible candidate.

SEISMOLOGICAL ACTIVITIES IN ARAB AND AFRICAN AREAS

A very successful Second Training Seminar for Earthquake Observers from African and Arab Countries was held in Egypt 9-28 March 1985, organized by the Helwan Institute of Astronomy and Geophysics with support from Unesco. Besides 12 participants from Egypt, a further 11 attended from a total of eight other countries. These were Algeria, Iraq, Qatar, Sudan, Tunisia, Uganda, Yemen and Zambia. A series of lectures was given in Cairo, and the seminar then moved to Aswan for practical and field work in association with the installations there, including the nine-station telemetered network installed around Lake Nasser following the 1981 earthquake. This project is a joint venture with Lamont-Doherty Geological Observatory, and Dr David Simpson and three colleagues arrived in Aswan to help in the final stages of the seminar. The participants agreed on the usefulness of this venture and recommended that further such courses be held.

A meeting was called by the Geological Survey Department of Zambia in April 1985 to coincide with the opening of their five-station telemetered network, set up in cooperation with the Institute of Seismology, Finland. The meeting discussed the plans for regional cooperation in seismology in Africa.

In Tunisia in late March a further meeting was held of representatives of Arab countries involved in the Programme for Assessment and Mitigation of Earthquake Risk in the Arab Region (PAMERAR). A PAMERAR Co-ordinating Committee was set up and agreements to help funding seismograph and strong-motion networks were arranged between the Arab Fund and the following countries: Iraq, Jordan, Morocco, Syria, Tunisia, Yemen Arab Republic. A similar agreement already exists with Algeria.

SEISMOLOGICAL RECORDING AND COOPERATION IN SOUTHEAST ASIA

A small Working Group of seismologists from the Southeast Asia Association of Seismology and Earthquake Engineering met during the Regional Assembly at Hyderabad in November 1984 with the support of ICSU. The group considered existing seismograph networks and future expansion in the region. At present there are 44 sets of vertical short-period seismographs, set up originally under a UNDP project. In addition there is one SRO station in Thailand, and two WSSN stations operating in the Philippines. There are also 34 strong-motion accelerographs installed in major urban areas. Improvements in recording could be achieved by increasing the density of stations and by establishing closer cooperative activity with neighbouring countries such as China, Burma, Australia and New Zealand. There is also need to move to more advanced forms of seismological recording, within the limited economic resources of the region.

RECENT PUBLICATIONS

A special issue of Physics of the Earth and Planetary Interiors (Vol. 36, Nos 3-4, 1984) entitled "Quantitative Geodynamics - Lithospheric Processes, Convection and Global Dynamics" reports the proceedings of a symposium at our 1983 Hamburg Assembly. Guest editors are H J Neugebauer and P Olson.

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FORTHCOMING MEETINGS

The following is a selection of forthcoming meetings in the field of interest of the Association.

- 1985 Jun 10-21 STRONG GROUND MOTION SEISMOLOGY - NATO ADVANCED STUDY INSTITUTE
Ankara, Turkey
Prof M Erdik, Middle East Technical University,
Ankara, TURKEY
- 1985 Jun 17-21 3RD INTERNATIONAL SYMPOSIUM ON ANALYSIS OF SEISMICITY AND SEISMIC RISK
Liblice, Czechoslovakia
Dr Z Schenkova, Geophysical Institute, Bocni II,
14131 Prague 4, CZECHOSLOVAKIA
- 1985 Aug 5- 9 INTERNATIONAL TSUNAMI SYMPOSIUM
Victoria and Sidney, British Columbia, Canada
TSUNAMI '85, PO Box 2267, Sidney, B.C., CANADA V8L 3S8
- 1985 Aug 19-30 23RD GENERAL ASSEMBLY OF IASPEI
Tokyo, Japan
Prof R Sato, c/o Inter Group Corp., Akasaka Yamakatsu Bldg.,
8-5-32 Akasaka, Minato-ku, Tokyo 107, JAPAN
- 1985 Sep 2- 3 RHEOLOGY OF THE LITHOSPHERE - WORKSHOP
Sep 4- 5 INTRAPLATE AND INTERPLATE EARTHQUAKES - SYMPOSIUM
Canberra, Australia
Geological Society of Australia
Dr Marion Leiba, BMR, Box 378, Canberra ACT 2601, AUSTRALIA
- 1985 Sep 3- 6 INTERNATIONAL SYMPOSIUM ON FUZZY MATHEMATICS IN EARTHQUAKE RESEARCHES
Beijing, China
Prof Feng Deyi, Seismological Bureau of Tianjin,
Friendship Avenue, Tianjin, CHINA
- 1985 Oct 28 - PHYSICS OF FRACTURING AND SEISMIC ENERGY RELEASE
Nov 1 Liblice, Czechoslovakia
Dr J Kozak, Geophysical Institute, Bocni II,
14131 Prague 4, CZECHOSLOVAKIA
- 1985 Nov 4- 9 PHYSICS AND GEODYNAMICS OF DEFORMATIONAL PROCESSES IN EARTHQUAKE FOCAL REGIONS
Potsdam, G.D.R.
Prof Knoll, Zentralinstitut fuer Physik der Erde,
DDR-1500 Potsdam, GERMAN DEMOCRATIC REPUBLIC
- 1986 Jul 15-17 DEEP SEISMIC REFLECTION PROFILING OF THE CONTINENTAL LITHOSPHERE
Cambridge, UK
BIRPS, Bullard Lab, Magingley Road, Cambridge, CB3 0EZ, UK
- 1986 Aug 3- 9 NATURAL AND MAN-MADE HAZARDS
Rimouski, Quebec, Canada
Tsunami Society
Dr M El-Sabh, Dept of Oceanographie, Univ. du Quebec à Rimouski,
310 Av des Ursulines, Rimouski, Quebec, CANADA
- 1987 Aug 9-23 XIX GENERAL ASSEMBLY OF IUGG
Vancouver, Canada