

長、渡辺副会長、藤巻副会長が、それぞれ再選された。

#### 規則等策定委員会の設置を決定

第3日目は、前日の記録的豪雪にもかかわらず、10時10分から総会が開かれ、①任期延長後の活動方針（申し合わせ）と②規則等策定委員会の設置という2つの会長提案について、渡辺副会長の説明の後、質疑討論が行われた。①は、任期延長期間を過渡期とし、その間の任務は、日本学術会議本来の諸業務の遂行と、第13期以降の新しい体制の準備で

ある、とした上での政府との協議、規則等策定委員会の設置、各部、運営審議会、常置委員会、特別委員会、研究連絡委員会、研究連絡会、地方区などの在り方についての申し合わせであり、②については、規則等策定委員会の構成、会長・副会長・運営審議会と同委員会との関係などについて、活発な討論の後、会長から修正の上再提案され、絶対多数で可決され、日本学術会議は第13期へ向かつて過渡期に入った。

(日本学術会議広報委員会)

### IASPEI Newsletter (No. 11, February 1984)

NEWSLETTER NO 11      FEBRUARY 1984

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

With memories of the General Assembly in Hamburg still fresh in our minds, plans are now already well advanced for the Regional Assembly of IASPEI to be held in Hyderabad in October-November this year, and further details are included in this Newsletter. With our next General Assembly to be held in Tokyo in 1985 we are embarking on a busy two-year period with our attention focussed on the Asian area. We hope that as many scientists as possible will be able to attend these meetings, which are the first the Association has held in Asia.

Please remember that I am always glad to receive items of interest to the Association to include in the Newsletter.

*Robin Adams*

R D Adams  
Secretary-General

#### HAMBURG ASSEMBLY - FINAL POINTS

Convenors' reports on IASPEI sessions have been submitted to IUGG Chronicle, where they will form a useful permanent record of our activities. Many sessions will also have their full proceedings published in the scientific press.

Our final accounts for 1983 show that more than \$30,000 was paid by the Association to support general attendance at this Assembly in addition to about \$35,000 to support specific meetings arranged under contract with Unesco and NOAA.

#### TOKYO GENERAL ASSEMBLY 19-30 AUG 1985

The detailed programme for this Assembly is one of the main items the Bureau will be discussing when it meets in Newbury at the end of March.

As is usual with General Assemblies, there will be full meetings of all IASPEI Commissions, and general business sessions. More information will be available later this year.

### CONTROLLED SOURCE SEISMOLOGY WORKSHOP

The Commission on Controlled Source Seismology held its 5th Workshop in Einsiedeln (Switzerland) from 7 to 12 August 1983. Forty-five seismologists from 17 countries attended the workshop and a few sent written contributions. Twenty-five contributions dealt with the first topic, in which a set of synthetic record sections had been prepared for a realistic laterally heterogeneous crustal structure which included a low-velocity zone.

Most of the solutions were rather close to the true model and represented the general features, although major differences occurred in the detection of the low-velocity zone.

Ten contributions were devoted to the second problem where a set of synthetic record sections had to be computed for a given laterally heterogeneous crustal model. The main differences between the various record sections showed up in the phases of arrivals, whereas the amplitudes matched reasonably well. Most of the problems arose from the parameterization of the model.

Real data from a combined reflection-refraction survey (in Southwestern Germany) were distributed as the third topic to which five detailed interpretations were contributed. In addition five more participants addressed the same topic using also other data. Major points of discussion in this session were the determination of interval velocities, the detection of low-velocity zones and the recognition of gradient zones.

Besides these main topics of the workshop several participants presented results and survey methods of their own areas of research.

Publication of contributions to all three topics is planned.

During discussions the need became apparent for more common effort on the development of portable digital seismograph systems and an additional workshop devoted to this topic took place 30 Nov - 2 Dec 1983 at Los Altos, California.

### TRAINING COURSE

The Helwan Institute of Astronomy and Geophysics in Egypt is planning to hold a Second Training Seminar for Earthquake Observers from African and Arab countries in March 1985. This follows a successful first seminar held in 1983 which was attended by 34 participants from 10 countries.

The seminar is intended to give a short, condensed course in fundamental seismology including practical training in operating seismological stations, analysing seismograms and reporting the data to world seismological centres.

Further details are available from Helwan Observatory.

### EARTHQUAKES IN UNUSUAL PLACES

Several earthquakes late in 1983 attracted attention because of their occurrence in areas of low seismicity. On 22 December there was a shock of Mb 6.3 in the Guinea Republic, which killed about 200 people and destroyed villages within a 20km radius. A French team has been investigating the effects of this earthquake.

In the early hours of 8 November a much smaller shock ( $M_L$  4.9) occurred at a very shallow depth beneath Liège in Belgium, resulting in two deaths and damage to at least 16,000 houses in a very restricted area.

On 30 November there was an exceptionally large earthquake for the region ( $M_s$  7.6) in the Chagos Archipelago in the Indian Ocean, which caused some damage on the island of Diego Garcia, about 100km to the south.

IASPEI REGIONAL ASSEMBLY, HYDERABAD, INDIA  
31 OCT - 7 NOV 1984

The Second Circular with full details of programme and registration will be available late February from:

Dr Mohan Gupta  
Secretary, IASPEI Organising Committee  
National Geophysical Research Institute  
Hyderabad, 500 007, INDIA

The scientific programme is as follows. Dates are still provisional.

Seismicity and Seismotectonics of Asia		
S1	Seismic Sources	31 Oct Prof J N Brune Dr Sarvajit Singh
S2	Earthquake Prediction	1 Nov Prof K Mogi Dr H N Srivastava Prof K N Khattri
S3	Induced Seismicity	2 Nov Dr Ding Yuan-Zhang Dr B K Rastogi
Assessment and Mitigation of Earthquake Risk		
S4	Seismic Hazard Evaluation	5 Nov Dr M Barazangi Dr S C Bhatia
S5	Strong Motion Seismology	6 Nov Prof B A Bolt Prof Jai Krishna
S6	Terrestrial Heat Flow and Thermal Regimes	1 Nov Prof A E Beck Prof S Uyeda Prof R K Verma
S7	Lithospheric Structure Beneath Asia	2 Nov Prof P Molnar Dr R N Singh
S8	Physical Properties of Materials Related to Deformation Process in Collision Zones	5 Nov Dr M Manghnani Prof J-P Poirier Dr V P Trubitsin Dr Y V Ramana
S9	Deep-seated Processes in Collision Zones	6 Nov Prof C Froidevaux Dr H K Gupta
S10	Physics of the Earth's Interior	5 Nov Prof E A Lubimova 7 Nov Dr U Raval
S11	Training and Research in Geosciences in Developing Countries	6 Nov Prof D E Ajakaiye Prof V L S Bhimasankaram

Registration and abstract forms, which will be contained in the Second Circular, should be returned to Dr Gupta by 31 July 1984. The original abstract is to be sent to Dr Gupta and a photocopy to the first-named convenor.

Accommodation will be mainly in hotels at daily prices from US \$20 to \$55.

The Registration Fee is US \$80, which entitles participants to a copy of the abstracts and admission to social events.

A Unesco-aided course to familiarise geophysicists from developing countries with concepts and techniques of inversion and application to geophysical data analysis is being organised for 10-30 October. The Course Director is Dr S Balakrishna, National Geophysical Research Institute, Hyderabad and the Course Convenors Prof D E Ajakaiye, Nigeria, and Dr A Appa Rao, Hyderabad.

IASPEI REGIONAL ASSEMBLY - HYDERABAD - CONVENORS

- S1 Prof J N Brune  
IGPP A-025  
Scripps Institution of Oceanography  
University of California, San Diego  
La Jolla, Ca 92093, U S A
- Prof Sarvajit Singh  
Department of Mathematics  
Maharshi Dayanand University  
Rohtak - 124 001, INDIA
- S2 Prof K Mogi  
Earthquake Research Institute  
University of Tokyo, Yayoi 1-1-1  
Bunkyo-ku, Tokyo 113, JAPAN
- Dr H N Srivastava  
Meteorological Department  
Lodi Road, New Delhi - 110 003, INDIA
- Prof K N Khattri  
Department of Earth Sciences  
University of Roorkee  
Roorkee - 247 672, INDIA
- S3 Dr Ding Yuan-Zhang  
Seismological Bureau of Guangdong  
Province  
Guangzhou, CHINA
- Dr B K Rastogi  
National Geophysical Research Institute  
Hyderabad - 500 007, INDIA
- S4 Dr M Barazangi  
Department of Geological Sciences  
Cornell University, Ithaca  
New York 14853, U S A
- Dr S C Bhatia  
National Geophysical Research Institute  
Hyderabad - 500 007, INDIA
- S5 Prof B A Bolt  
Department of Geology and Geophysics  
University of California, Berkeley  
California 94720, U S A
- Prof Jai Krishna  
School of Earthquake Engineering  
University of Roorkee  
Roorkee - 247 672, INDIA
- S6 Prof A E Beck  
Department of Geophysics  
University of Western Ontario  
London, Ontario, CANADA N6A 5B7
- Prof S Uyeda  
Earthquake Research Institute  
University of Tokyo, Yayoi 1-1-1  
Bunkyo-ku, Tokyo 113, JAPAN
- Prof R K Verma  
Department of Applied Geophysics  
Indian School of Mines  
Dhanbad - 826 004, INDIA
- S7 Prof P Molnar  
Department of Earth, Atmospheric &  
Planetary Sciences  
Massachusetts Institute of Technology  
Cambridge, Mass 02139, U S A
- Dr R N Singh  
National Geophysical Research Institute  
Hyderabad - 500 007, INDIA
- S8 Dr M Manghnani  
Hawaii Institute of Geophysics  
University of Hawaii, 2525 Correa Road  
Honolulu, Hawaii 96822, U S A
- Prof Jean-Paul Poirier  
Institut de Physique du Globe  
Université Paris VI  
Place Jussieu  
75230 Paris, Cedex 05, FRANCE
- Dr V P Trubitsin  
Institute of Physics of the Earth  
Bolshaya Gruzinskaya 10  
Moscow 123-242, U S S R
- Dr Y V Ramana  
National Geophysical Research Institute  
Hyderabad - 500 007, INDIA
- S9 Prof C Froidevaux,  
Laboratoire de Géophysique  
Université de Paris-Sud (B510)  
Orsay 91405, FRANCE
- Dr H K Gupta  
Centre for Earth Sciences Studies  
P.B. No.2235, Sasthamangalam  
Trivandrum - 695 010, INDIA
- S10 Prof E A Lubimova  
Institute of Physics of the Earth  
Bolshaya Gruzinskaya 10  
Moscow 123-242, U S S R
- Dr U Raval  
National Geophysical Research Institute  
Hyderabad - 500 007, INDIA
- S11 Prof D E Ajakaiye  
Department of Physics  
Ahmadu Bello University  
Zaria, NIGERIA
- Prof V L S Bhimasankaram  
Department of Geophysics  
Centre of Exploration Geophysics  
Osmania University  
Hyderabad - 500 007, INDIA

IASPEI COMMISSIONS

Membership of the following Commissions has now been decided. It is hoped that remaining Commissions will finalise their membership soon.

Commission on Controlled Source Seismology

H Shimamura (Japan) Chairman, N I Pavlenkova (USSR) Vice-Chairman, J Anserge (Switzerland) Secretary, A S Alekseyev (USSR), S Asano (Japan), E Banda (Spain), D J Blundell (UK), D M Finlayson (Australia), A Ginzburg (Israel), A Guterch (Poland), A Hirn (France), E Hurtig (GDR), C E Lund (Sweden), U Luosto (Finland), R F Mereu (Canada), W D Mooney (USA), St Mueller (Switzerland), R Nicolich (Italy), L C Ocola (Peru), C Prodehl (FRG), I Psencik (Czechoslovakia), M A Sellevoll (Norway), Zeng R-s (China)

Commission on Earthquake Hazard - Committee on Earthquake Prediction

F F Evison (New Zealand) Chairman, T Rikitake (Japan) Past Chairman, Xu S-x (China) Secretary, K Aki (USA), H Berckhemer (FRG), Feng D-y (China), Y Hagiwara (Japan), K N Khattri (India), E G Kausel (Chile), A Lopez Arroyo (Spain), K Mogi (Japan), I L Nersesov (USSR), A G Prozorov (USSR) D A Rhoades (New Zealand), H Stiller (GDR), L R Sykes (USA)

International Heat Flow Committee

A E Beck (Canada) Chairman, S Uyeda (Japan) Vice-Chairman, L Stegena (Hungary) Past Chairman, L Rybach (Switzerland) Secretary, V Cermak (Czechoslovakia) Vice-Secretary, N Balling (Denmark), K Becker (USA), G Buntebarth (FRG), D S Chapman (USA), J P Cull (Australia), M L Gupta (India), R Haenel (FRG), V M Hamza (Brazil), E Hurtig (GDR), H Kinoshita (Japan), R I Kutas (USSR), A H Lachenbruch (USA), J A Majorowicz (Canada), F Mongelli (Italy), P Morgan (USA), Y B Smirnov (USSR), M Thamrin (Indonesia), G Vasseur (France), Wang J-y (China)

Commission on Microseisms

J Darbyshire (UK) Chairman, A V Nikolaev (USSR) Vice-Chairman, E Hjortenber (Denmark), P Bernard (France), H Bungum (Norway), R Cabre (Bolivia), C Eva (Italy), E Herrin (USA), H M Iyer (USA), A Lopez Arroyo (Spain), J N Nanda (India), D Prochazkova (Czechoslovakia), K Strobach (FRG), V N Tabulevich (USSR), J Vautravers (France)

Commission on Physical Properties of Material of the Earth's Interior

T J Ahrens (USA) Chairman, H Stiller (GDR), Vice-Chairman, S Akimoto (Japan), C Froidevaux (France), R C Liebermann (USA), A A Kadik (USSR), J-P Poirier (France), H Spetzler (USA), F D Stacey (Australia), V N Zharkov (USSR), Zou G-t (China), J Zschau (FRG)

Commission on Practice (Provisional)

E R Engdahl (USA), N V Kondorskaya (USSR) Co-Chairmen, J Vanek (Czechoslovakia) Secretary, S S Alexander (USA), P W Basham (Canada), M A Chinnery (USA), L V Christoskov (Bulgaria), D Denham (Australia), D J Doornbos (Norway), E G Kausel (Chile), O Kedrov (USSR), O Kulhanek (Sweden), W H K Lee (USA), C Lomnitz (Mexico), Qin X-1 (China), D Seidl (FRG), W D Smith (New Zealand), A Udias (Spain)

Commission on Strong Motion Seismology

B A Bolt (USA) Chairman, N N Ambraseys (UK), D M Boore (USA), Hsieh L-1 (China), R K McGuire (USA), D Mayer-Rosa (Switzerland), V Schenk (Czechoslovakia), E Shima (Japan), D Weichert (Canada)

FORTHCOMING MEETINGS

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

- 1984 Jun 17-23 2ND INTERNATIONAL TSUNAMI CONFERENCE  
Las Vegas, Nevada, USA  
Tsunami Society, Box 8523, Honolulu, Hawaii 96815, USA
- 1984 Jun 24-30 MATHEMATICAL GEOPHYSICS  
Loen, Norway  
Committee for Mathematical Geophysics  
Ms L B Tronrud, NTNF/NORSAR, Box 51, Kjeller, NORWAY
- 1984 Jun 26-28 INTERNATIONAL SYMPOSIUM ON DEEP STRUCTURE OF THE CONTINENTAL CRUST:  
REFLECTION SEISMOLOGY  
Ithaca, NY, USA  
Dr M Barazangi, Dept. of Geological Sciences, Cornell University,  
Ithaca, NY 14853, USA
- 1984 Jul 21-28 8TH WORLD CONFERENCE ON EARTHQUAKE ENGINEERING ON  
San Francisco, California, USA  
IAEE  
EERI-8WCEE, 2620 Telegraph Avenue, Berkeley, CA 94704, USA
- 1984 Jul 29-  
Aug 4 X EUROGEOPHYSICS ASSEMBLY  
Louvain-la-Neuve, Belgium  
European Geophysical Society  
Prof A Berger, Institut d'Astronomie et de Geophysique,  
B-1348 Louvain-la-Neuve, BELGIUM
- 1984 Oct 1-6 EUROPEAN SEISMOLOGICAL COMMISSION  
Moscow, USSR  
Organising Committee, ESC, Soviet Geophysical Committee,  
Molodezhnaya 3, 117 296 Moscow, USSR
- 1984 Oct 31-  
Nov 7 IASPEI REGIONAL ASSEMBLY  
Hyderabad, INDIA  
Dr M L Gupta, NRG I, Uppal Road, Hyderabad, 500 007 INDIA
- 1985 Jun 16-21 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 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
- 1987 Aug 9-23 XIX GENERAL ASSEMBLY OF IUGG  
Vancouver, Canada