

International Report

Helein D. Hitchcock, Editor

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Regional Correspondents

Australia

Mr. Tony Raftery, Dept. of Physics,
Queensland Institute of Technology,
G.P.O. Box 2434, Brisbane, Queensland 4001, Australia

Czechoslovakia

Dr. Jaroslav Fiala, Central Research Inst.,
ŠKODA, 31600 Plzeň, Czechoslovakia

Japan

Hideo Toraya, Ceramics Research Laboratory,
Nagoya Institute of Technology,
Asahigaoka, Tajimi 507 Japan

Calendar of Meetings

1992

International Centre for Diffraction Data

Fall Technical Meetings

October 21-22, 1992

Concordville, Pennsylvania, USA

Contact: Ms. Josephine Felizzi, JCPDS-International Centre for Diffraction Data, 1601 Park Lane, Swarthmore, PA 19081, USA. Phone (215) 328-9403.

First Crystallography Conference of the Asian Crystallographic Association

November 13-16, 1992

Singapore

Contact: Conference Organization: Professor N. Kasai, Applied Chemistry, Osaka University, 2-1 Yamadoka Suite, Osaka 565, Japan. Scientific Programme: Dr. E. N. Maslen, Crystallographic Centre, University Centre, University of Western Australia, Nedlands 6009, WA, Australia.

Materials Research Society Fall Meeting

November 30-December 4, 1992

Boston, Massachusetts, USA

Contact: M. Geil, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237, USA. Phone (412) 367-3003; FAX (412) 367-4373.

1993

International Centre for Diffraction Data

Spring Technical Meetings and Annual Meeting

March 17-18, 1993

Concordville, Pennsylvania, USA

Contact: Ms. Josephine Felizzi, JCPDS-International Centre for Diffraction Data, 1601 Park Lane, Swarthmore, PA 19081, USA. Phone (215) 328-9403.

British Crystallographic Association Spring Meeting

March 29-April 2, 1993

Manchester, England

Contact: Dr. B. Beagley, Department of Chemistry, UMIST, PO Box 88, Manchester M60 1QD, England

Materials Research Society

May 17-22, 1993

Anaheim, California, USA

Contact: M. Geil, Materials Research Society, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237, USA. Phone (412) 367-3003; FAX (412) 367-4373

1993 Annual Meeting of the American Crystallographic Association

May 23-28, 1993

Albuquerque, New Mexico, USA

Contact: Allen Larson, LANSCE-89-025, A805, Los Alamos National Laboratory, Los Alamos, NM 87455, USA

International Conference for Applied Mineralogy

May 31-June 2, 1993

Workshops June 3-4, 1993

Perth, Western Australia

Topics to be covered at this Conference will include Mineralogy in Mineral Processing; Industrial Applications of Mineralogy; Mineralogy in Ceramics and Refractories; Mineralogy in Exploration; Transmission Electron Microscopy and Diffraction; Image Analysis; Quantitative XRD; Forensic Science; Ancillary Techniques-FTIR, TG/DTA, XPS, Mossbauer, Etc.; Gemmology; and Minerals and Disease.

Contact: Secretary, ICAM'93, Congress West, PO Box 1248, West Perth, WA 6005, Australia

Sixteenth IUCr General Assembly and International Congress of Crystallography

August 21-29, 1993

Beijing, People's Republic of China

AXAA-93 Solutions to Everyday Problems

September 26-October 2, 1993

University of Queensland

Brisbane, Queensland, Australia

Contact: The Convenor, AXAA93-Solutions to Everyday Problems, PO Box 6198, Upper Mount Gravatt, Queensland, Australia 4122

ICAM '93

International Conference for Applied Mineralogy

May 31-June 2, 1993

Perth, Western Australia

Topics to be covered will include: Mineralogy in Mineral Processing; Industrial Applications of Mineralogy; Mineralogy in Ceramics and Refractories; Mineralogy in Exploration; Transmission Electron Microscopy and Diffraction; Image Analysis; Quantitative XRD; Forensic Science; Ancillary Techniques: FTIR, TG/DTA, XPS, Mossbauer etc.; Gemmology; Minerals and Disease.

Contact: Secretary, ICAM'93, Congress West, P.O. Box 1248, West Perth, WA 6005 Australia. International phone: 619 322 6906.

ICOTOM 10 – Tenth International Conference on

Textures of Materials

September 20-24, 1993

Clausthal

Germany

The Conference will deal with all problems related to crystal orientation in polycrystalline materials of any kind, *i.e.*, in materials science as well as in earth sciences. Topics to be covered are: Measurement of pole figures; and individual orientation analysis; Calculation and representation of ODF, MODF and other textural quantities; Experimental studies of texture formation; Texture and directional properties of materials; Mathematical modelling of texture formation and materials properties; Technical applications of texture studies. Although the conference will deal classical basic metals, particular emphasis will be put on “new materials” such as intermetallics, ceramics, polymers and composites, including natural materials such as geological and biological ones. Pre- and post-conference workshops will be held on ODF Calculation, Neutron Texture Analysis and Microscale Textures.

Contact: Institute Für Metallkunde – ICOTOM 10 – Grosser Bruch 23, D-3392 Clausthal-Zellerfeld

Correspondents Reports

Annual Meeting of the Czechoslovak Crystallographic Society, Vojtechov, Czechoslovakia, May 18-22, 1992

Some 95 people, mostly from Czechoslovakia, participated in the Meeting during which 27 lectures and 24 posters were presented. Covered were the following: epitaxy, paracrystallinity, textures of laser deposited ceramic coatings, X-ray diffraction measurements of stresses in ceramic materials, structural variability of clay minerals, ore microscopy, structural databases and their statistical analyses, neutron diffraction, ion beam diffraction and small angle scattering. A broad range of materials was covered and included steel, ceramics, minerals, coordination compounds, semiconductors, proteins, fullerenes, organic polymers, superconductors, substances composed of molecular clusters and small molecules as well as others.

“Quantitative Mineralogical Analysis” (Z. Weiss), “Particle Morphology Effect on the Results of Phase-Abundance Analysis” (A. Buchal), “Joint Refinement of Crystal Structure by Rietveld Analysis of X-ray and Neutron Diffraction Data” (R. Cerny), and “COMPHYS System of Computer Programs for Powder Diffractometry” (M.S. Nakhmanson – from Russia) were some of the lectures belonging clearly to the realm of powder diffraction. The main target of the Meeting was to

address various real-structure phenomena like paracrystallinity, crystallite interrelations in polycrystalline aggregates, lateral accommodation of dioctohedral and trioctohedral layers in the structure of clay minerals and molecular shape relaxation in the (para)crystalline phase.

A splendid excursion to karstic caverns hidden in the beautiful woods several miles from the hotel where the conference took place and the ceremonial conference dinner completed the program of this very successful Meeting, the organization and program committees of which were chaired by Drs. Dagmar Krausová (Olomouc) and Antonín Buchal (Brno), respectively. Soft bound proceedings (260 pps) were distributed to the participants upon registration.

Jaroslav Fiala

XIIth X-Ray Raw Material Conference, Sochi (Russia) March 23-27, 1992.

The organizers of this conference, as previously, were the X-ray raw materials commission of the Mineralogical Society, the Geological Institute of the Russian Academy of Sciences, and the Saint Petersburg University. Sponsors for the conference were the science-production association, Burevestnik; the joint stock company, AYAKS, and the science production