

International Report

A word from the editor...

For this issue, we are trying something new. I am sending my comments and most of the text for this "International Report" to our Manager of Publication, Dick Rose, on a floppy diskette. Yes, I know that computer media has been in use for quite some time, but this is the first occasion for this column. For those of you who send me material for publication, I'd be glad to receive your material in this manner. I'll let you know how successful we are.

Helein D. Hitchcock, Editor

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Regional Correspondents

Australia

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Czechoslovakia

Dr. Jaroslav Fiala, Central Research Inst.,
SKODA, 31600 Plzen, Czechoslovakia

Calendar of Meetings

1990

JCPDS-International Centre for Diffraction Data Spring Technical Meetings and Annual Meeting March 21-22, 1990

Concordville, Pennsylvania, USA.

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

American Crystallographic Association Meeting April 8-13, 1990

New Orleans, Louisiana, USA.

Contact: ACA, P.O. Box 96, Ellicott Station, Buffalo, NY 14025-0096, USA. Phone (716) 856-9600, ext. 321.

Materials Research Society Spring Meeting April 16-21, 1990

San Francisco, 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.

ICDD Clinic on X-Ray Powder Diffraction June 18-22, 1990 Fundamentals of X-Ray Powder Diffraction June 25-29, 1990 Advanced Techniques in Powder Diffraction

**The Pennsylvania State University
University Park, PA, U.S.A.**

The ICDD X-Ray Clinic is based on and is a replacement for the very successful SUNY X-Ray Clinic which was formerly held at the State University of New York at Albany and was directed by Dr. Henry Chessin. Dr. Chessin is assisting in the continuation of the Clinic under a new sponsor, the JCPDS-International Centre for Diffraction Data. The clinic will be held at the Materials Research Laboratory on the Pennsylvania State University campus in University Park.

(Editor's Note: The two weeks do not have to be taken in the same year. Some previous students of the SUNY Clinic have found it advantageous to attend the two sessions in successive years.)

Contact: Mario Fornoff, ICDD X-Ray Clinic, JCPDS-ICDD, 1601 Park Lane, Swarthmore, PA 19081, U.S.A. Phone (215) 328-9493.

Powder Diffraction Satellite Meeting of 15th IUCr July 16-19, 1990

Toulouse, France

The provisional list of topics includes:

1. Accuracy in data collection; high resolution diffraction; standard reference materials.
2. Sample characteristics from powder data, particularly by means of pattern fitting methods.
3. Practical aspects of structure determination from powder data: indexing, structure solution, refinement.
4. Recent applications with emphasis on time- and temperature-resolved studies of materials.
5. Advances in phase identification and quantitative analysis.

For further information: CEMES-LOE CNRS

Powder Diffraction
29, rue Jeanne Marvig
BP 4347
31055 Toulouse Cedex
France

International Union of Crystallography 15th General Assembly and International Congress July 19-28, 1990

Bordeaux, France

Contact: Prof. M. Hospital, Laboratoire de Cristallographie et de Physique Cristalline, Université de Bordeaux I, 351 Cours de la Liberation, F 33405 Talence Cedex, France.

1990 Annual Denver Conference on Applications of X-Ray Analysis

July 30-August 3, 1990

Steamboat Springs, Colorado, USA.

Contact: Lynne Bonno, Conference Secretary, Department of Engineering, University of Denver, Denver, CO 80208, USA. Phone (303) 871-3515.

14th Conference on Applied Crystallography August 5-8, 1990

Cieszyn, Poland

The conference is organized by the Institute of Physics and Chemistry of Metals at the Silesian University in Katowice jointly with the Institute of Ferrous Metallurgy in Gliwice and with the support of the Crystallography Committee of Polish Academy of Sciences. The scientific program includes the following topics: (1) real structure of materials (metals, ceramics, polymers, etc.); (2) Research methods and equipments (phase identification, precision measurements of lattice constants, determination of crystallite sizes and distortions, texture, high temperature X-ray techniques, small-angle scattering, X-ray topography, etc.).

Contact: 14th Conference on Applied Crystallography, Uniwersytet Slaski, Instytut Fizyki i Chemii Metali, Dr. Eugeniusz Lagiewka, ul. Bankowa 12, 40-007 Katowice, Poland. Phone 59-69-29.

Rietveld Summer School for Beginners

August 9-11, 1990

Cieszyn, Poland

The school is organized by the Commission on Powder Diffraction, IUCr, Silesian University (Katowice, Poland), Institute of Ferrous Metallurgy (Gliwice, Poland) with the financial support of the International Union of Crystallography and will be held just after closing the 14th Conference on Applied Crystallography. The school will give the opportunity to acquire the basic features and present applications of the Rietveld method, and will consist of lectures and practical training.

Contact: Summer School RSSB-90, Uniwersytet Slaski, Instytut Fizyki i Chemii Metali, Dr. Eugeniusz Lagiewka, ul. Bankowa 12, 40-007 Katowice, Poland. Phone 59-69-29.

International Conference on Advanced Methods in X-Ray and Neutron Structure Analysis of Materials

August 20-24, 1990

Prague, Czechoslovakia

The conference will cover the following three areas: (1) powder diffraction and real structure; (2) diffraction analysis of physical phenomena; (3) crystal and molecular structures. Contact: Dr. V. Petricek, Institute of Physics CSAV, Na Slovance 2, 18040 Prague 8, Czechoslovakia

JCPDS-International Centre for Diffraction Data Fall Technical Meetings

October 23-25, 1990

Wilmington, Delaware, USA.

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

Materials Research Society Fall Meeting

November 26-December 1, 1990

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.

Meeting Reports

The First International Ceramic Science & Technology Congress

Anaheim Convention Center

Anaheim, California

October 31 - November 3, 1989

The 1st International Ceramic Science and Technology Congress was a new meeting forum for the American Ceramic Society. This meeting, which was designed to unite the ceramic community on today's topic concern, will occur annually in the autumn. This first Congress and its exposition was held in conjunction with the 42nd Pacific Coast Regional meeting at the Anaheim Convention Center Complex which included the Anaheim Hilton & Towers and the Anaheim Marriott; both are near Disneyland and in

1991

EPDIC 1 - First European Powder Diffraction Conference

March 14-16, 1991

Munich, West Germany

This meeting has been initiated as a forum for all European powder diffractionists to discuss current developments and applications in all fields of science and technology. This first meeting is scheduled to be held in conjunction with the annual German Crystallography Meeting (March 11-13, 1991, at the Ludwig-Maximilian University of Munich).

Contact: Scientific Program Chairman, Dr. J. Visser, Henry Dunantiaan 81, 2614 GL Delft, The Netherlands. Phone +3115/123593. Organization Committee Chairman, Dr. H.E. Göbel, Siemens AG, ZFE, ME AMF 12, Otton-Hahn-Ring 6, D-8000 München 83, FRG. Phone +4989/6363274.

Pacific-International Congress on X-Ray Analytical Methods

August 12-16, 1991

Honolulu, Hawaii, USA

The major thrust of this meeting will be the practical aspects involved in X-ray methods for materials analysis. The Congress will provide an international forum for discussion of the following methods: X-ray powder diffraction, X-ray fluorescence, X-ray aspects of surface analysis, X-ray emission, X-ray stress analysis, and thin film analysis by X-ray powder diffraction and X-ray fluorescence. Workshops will be offered at the University of Hawaii at Hilo on the island of Hawaii on August 7-9, the Wednesday through Friday preceding the Congress. Proceedings will be published as a volume of *Advances in X-Ray Analysis* with Paul Predecki as the Coordinating Editor.

Contact: Lynne Bonno, Conference Secretary, Department of Engineering, University of Denver, Denver, CO 80208, USA. Phone (303) 871-3515.

close proximity to other southern California entertainment attractions. With an approximate 2000 attendees, this was one of the largest ceramic meetings ever held in the west.

The Congress program featured applications of ceramic materials in current and emerging technology, corrosion of materials, impact of computer technology, environmental concerns, and new advances in ceramic materials such as superconducting ceramics, microwave heating, ceramic composites, and zirconia ceramics.

This 4-day meeting featured 15 symposia including the Fulrath Award Symposium, a series of ceramic lectures and several plenary lectures. The Fulrath Award is presented annually to three Japanese ceramists, two from industry and one from academia, and one American ceramist from industry or academia, in recognition of their outstanding con-