

Departments

Calendar of Meetings: Organizers of scientific meetings wishing to inform the readers of *Powder Diffraction* of their plans are welcome to submit meeting announcements to the Departments Editor. The announcements may be accompanied by text giving particulars of the meeting and programs. The additional matter in such expanded announcements will be printed on a space-available basis. While we will accept announcements of meetings on topics even remotely related to powder diffraction as a service to our readers, the editors, at their discretion, reserve the right to reject announcements of meetings concerning totally unrelated subjects. The deadlines in the instructions to authors apply to meeting announcements. There is no charge for this service. Meeting organizers wishing to purchase advertisements are invited to contact *Powder Diffraction's* Advertising Manager.

Commercial Announcements: This column is reserved for the commercial use of individuals and firms providing products or services to the powder diffraction community. Press releases and new product announcements are appropriate and welcome. The insertions, up to 300 words or the equivalent if a figure is included, should give a price, if appropriate, and the contributor's full name and address. Full or partial inclusion will be on a space-available basis at the editor's discretion, with preference given to advertising agencies and companies that purchase advertisements in *Powder Diffraction*. Send contributions to the Departments Editor. *Powder Diffraction* can assume no liability for the accuracy of the claims made.

Short Courses and Workshops: This journal will print announcements of short courses and workshops in fields relating to the interests of its readers. Organizers of such programs are invited to send short descriptive announcements to the Departments Editor. See below for typical contributions that will be printed free of charge. The editors reserve the right to determine suitability for printing with regard to course or workshop content.

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Powder Diffraction Departments Editor Resigns

Ron Anderson, *Powder Diffraction* Departments Editor since the first issue of *Powder Diffraction*, has resigned due to the press of activity in his laboratory. We thank Ron for his contributions to *Powder Diffraction*. The Editor-in-Chief of *Powder Diffraction*, Deane Smith, will announce Ron's replacement in the next issue.

Powder Diffraction Departments First Regional Correspondent

In the last issue of *Powder Diffraction* the concept of Regional Correspondents for the Departments section was announced. Regional Correspondents individuals from various parts of the world will provide input to the Departments section of *Powder Diffraction* on regional forthcoming conferences, symposia, workshops, etc. They will also contribute reports of regional meetings and news from the powder diffraction related societies in their areas. Regional Correspondents will receive a complimentary subscription to *Powder Diffraction*.

The Editorial Staff of *Powder Diffraction* takes great pleasure in announcing the appointment of Tony Raftery, from the Department of Physics at Queensland Institute of Technology, as the first *Powder Diffraction* Departments Regional Correspondent. Mr. Raftery will report on activities in Australia, New Zealand, and Oceania. His principle affiliation is with the Australian X-ray Analytical Association. Regarding AXAA, Mr. Raftery writes: "The association has branches in most of the Australian states. The branches provide a forum for technical meetings, discussion and information exchange covering the physical techniques of analysis (XRD, XRF, Electron Microprobe Analysis, SEM, and X-ray Tomography). The AXAA is represented on, and is a co-operating organization of the JCPDS-ICDD.

The highlight of AXAA activities is the triennial 'Australian Conference and Schools of X-ray Analysis,' due this year, 1988. The Association also hosts occasional short courses in areas of special interest, usually conducted by invited speakers of international reputation in their areas of expertise.

Overseas visitors are welcome to participate in branch activities, and may obtain the branch secretary addresses from Mr. H. Rose, AXAA National Secretary, at the same address as Mr. Raftery."

Readers in Mr. Raftery's geographical area, desiring publication of their conferences, etc., in *Powder Diffraction* should contact Mr. Tony Raftery, Department of Physics, Queensland Institute of Technology, G.P.O. Box 2434, Brisbane, Queensland 4001, Australia.



Tony Raftery
Regional Correspondent

Regional Contributors to Departments Sought

Interested individuals should write the Departments Editor for further information.

Payment of JCPDS-ICDD Products by Credit Card

The JCPDS-ICDD is pleased to announce that as of November 1st, 1987, customers may pay for International Centre products using Visa or Mastercard credit cards. This includes ordering and payment/renewals for the *Powder Diffraction* journal. This move has been made to better serve JCPDS-ICDD customers.

Calendar of Meetings

1988

9th International Conference on Solid Compounds of Transition Metals

July 4-8, 1988

Oxford, England

Contact: Royal Microscopical Society, 37/38 St Clements, Oxford OX4 1AJ, England

Gordon Research Conference on Diffraction Methods in Molecular Biology

July 18-22, 1988

Newport, Rhode Island, U.S.A.

Contact: A.M. Cruickshank, Director, Gordon Research Conferences, Gordon Research Center, University of Rhode Island, Kingston, RI 02881-0801, USA.

XXI Annual Meeting of the International Metallographic Society

July 26-27, 1988

Toronto, Ontario, Canada

In conjunction with a meeting on "Metallography and Corrosion." Contact: Philip J. Kenny, Program Chairman, c/o Department of Engineering Materials, University of Windsor, Windsor, Ontario N9B 3P4 Canada

1988 Annual Denver Conference on Applications of X-ray Analysis

August 1-5, 1988

Denver, Colorado U.S.A.

Contact: Lynne Bonno, Conference Secretary, Dept. of Engineering, University of Denver, 2390 South York Street, Denver, CO 80208, U.S.A. Phone (303) 871-3515.

1988 EMSA/MAS/MSC Joint Meeting

August 7-12, 1988

Milwaukee, Wisconsin, U.S.A.

Joint meeting of the Electron Microscopy Society of America, the Microbeam Analysis Society and the Microscopical Society of Canada. Contact: J. Harris, Biology Department, University of Wisconsin, Stevens Point, WI 54481 U.S.A.

Gordon Research Conference on Order/Disorder in Solids

August 15-19, 1988

New London, New Hampshire, U.S.A.

Contact: R.O. Simmons, Physics Department, Univ. of Illinois, 1100 West Green, Urbana, IL 61801, U.S.A.

International Conference on Defects in Insulating Materials

August 22-26, 1988

Parma, Italy

Contact: Prof. Rosanna Capelletti, Dipartimento di Fisica, Via M. D'Azeglio 85, 43100 Parma, Italy.

XIII Conference on Applied Crystallography

August 23-27, 1988

Cieszyn, Poland

The conference will cover such areas as the structure of materials — metals, ceramics, and polymers; applied crystallography; research methods; equipment — for phase identification, precision determination of lattice constants, and the determination of crystallite size; distortion measurement; high temperature X-ray techniques; small-angle scattering; X-ray topography; and diffraction line analysis. Contact: Secretary of the Conference, Dr. Eugeniusz Lagiewka, Silesian University, Institute of Physics and Chemistry of Metals, 40-007 Katowice, Bankowa 12 Poland. Telex 0315584 usk pl.

Introduction to International Tables in Crystallography

August 26-27, 1988

Vienna, Austria

Contact: H. Wondratschek, Institut für Kristallographie, Universität Karlsruhe (TH), Kaiserstr. 12, 7500 Karlsruhe, FRG.

Workshop on Inorganic Data Bases

August 27, 1988

Contact: Prof. W.E. Klee, Institut für Kristallographie, Universität Karlsruhe (TH), Kaiserstr. 12, 7500 Karlsruhe, FRG

XI European Crystallographic Meeting

August 28- September 2, 1988

Vienna, Austria

Contact: Prof. A. Preisinger, Institute für Mineralogie, Kristallographie und Strukturchemie, TU Wein, Getreidemarkt 9, A-1060 Vienna, Austria

AXAA '88 "New Horizons in Analytical Science"

August 14-18, 1988

Perth, Western Australia

Contact: Conference Secretariat, AXAA '88, P.O. Box 479, Claremont, Western Australia, 6100, Australia
Invited speakers will contribute papers in the plenary sessions and to the symposia on a wide range of topics. AXAA 88 will place a considerable emphasis on participation and all attendees are invited to present a poster paper. Special sessions will be devoted to their presentation. Three concurrent schools will be held covering XRD, XRF and Surface Analysis. The Trade Exhibition will surpass traditional expectations and should please both manufacturers and potential buyers. All work and no play is not the theme of AXAA 88 and there will be a full social program.

AXAA '88 Timetable

Sat 13 pm/Sun 14 am

Sun 14/Mon 15

Tues 16/Wed 17/Thurs 18

Fri 19

Registration

School/Workshop

Conference/Poster sessions

Technical Tours

11th Biennial Conference of Australian Clay Minerals Society

August 29-31, 1988

University of Queensland, St. Lucia (Brisbane)

Contact: ACMS 11th Biennial Conference, Uniquet Limited University of Queensland, St. Lucia, Queensland 4076, Australia

The conference will be held at St John's College, on the campus of the University of Queensland. The date has been chosen to give visitors an opportunity to visit World Expo 88 either before or after the conference. The format of the conference will be presentation of posters on Monday and Wednesday, and a field trip on Tuesday to the clay mineral regions in the Toowoomba/Ipswich area. Papers on mixed layer clays and the applications of clay science and technology in industry and civil/mining engineering are particularly encouraged.

The 1988 World Materials Congress

September 24-30, 1988

Chicago, Illinois, U.S.A.

Contact: Conference Registrar, Metals Park, Ohio 44073, U.S.A.

EUREM '88

9th European Conference on Electron Microscopy
September 4-9, 1988

York, England

All aspects of electron microscopy; special emphasis on new instrumentation. Contact: Congress Secretariat, The Royal Microscopical Society, 37/38 St. Clements, Oxford OX4 1AJ, England

Crystal Structure, Microstructure, and Properties of Minerals and Ceramic Materials

September 7-9, 1988

Bochum, Federal Republic of Germany

Contact: O.W. Florke, Institut für Mineralogie, Ruhr-Universität Bochum, Postfach 10 21 48, 4630 Bochum 1, FRG

Diffraction of Polymers

November 30, 1988

London, England

Contact: BCA Physical Crystallography Group, M.E. Vickers, BP Research Centre, Chertsey Road, Sunbury-on-Thames, GB Middlesex TW16 7LN England

1989

28th International Geological Congress

July 9-19, 1989

Washington, DC, U.S.A.

12 International Congress on X-ray Optics and Microanalysis

August 28-September 1, 1989

Krakow, Poland

Contact: 12 ICXOM, Institute of Metallurgy, Academy of Mining and Metallurgy, al Mickiewicza 30, 30-059 Cracow, Poland

Short Courses and Workshops

JCPDS — International Centre for Diffraction Data

Short Course on Search/Match Methods

The JCPDS-International Centre for Diffraction Data will continue to offer three-day short courses on Search/Match methods at the Swarthmore, PA, headquarters of the International Centre and elsewhere (see attached schedule).

The courses, which are now in their 5th year, are intended to build proficiency of the user in the interpretation of experimental data, especially in the application of the information provided in the *Powder Diffraction File*. The courses should be useful to the novice as well as the experienced powder diffractionist, and all discussions start with the basic principles leading on to useful laboratory procedures. Workbooks are provided to all attendees and these contain a number of experimentally obtained X-ray diffraction data

sets which are used as class exercises. During the workbook sessions, the classes are subdivided to match the needs and experience of the attendees.

The course will emphasize the nature and organization of the information in the *Powder Diffraction File* and retrieval and use of this information for interpreting experimentally collected diffraction data. The implications of the accuracy of measurement of d-spacings, and intensities of experimental data with respect to use of the powder file will be discussed, as well as common instrumentation and specimen-induced errors. The use of both manual and computer search/match methods for phase identification will be practiced through the use of workbooks. Applications of File data for further characterizing phases will be illustrated using several mineralogical problems and a special X-ray diffraction minerals workbook. Other types of materials may be studied including organic and forensic materials, depending upon the needs of the participants.