

Regional Correspondents

Australia

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Calendar of Meetings

Donald Petersen
Greenleaf Associates
6210 Siebert Street
Midland, MI 48640-2724

12–14 September 1997

Associazione Italiana di Cristallografia, XXVII Congresso Nazionale. Perugia, Italia. [Contact: Maria Cristina Polidori, Dipartimento Scienze della Terra, Piazza Università, 06100 Perugia, Italia. Tel: 39 (75) 585 3255; Fax: 39 (75) 585 3203; E-mail: aic97@unipg.it].

17–20 September 1997

ECSSC'97 Sixth European Conference on Solid State Chemistry. Zürich, Switzerland. [Contact: Mrs. E. Fahrnbühl, Conference Secretary, ETH-Zürich, Laboratory of Inorganic Chemistry, Universitätstrasse 6, CH-8092 Zürich, Switzerland. Tel: 41 (1) 632 9101; Fax: 41 (1) 632 1149; E-mail: ecssc@inorg.chem.eth.ch].

21–26 September 1997

Second International Symposium on Structural Intermetallics. Champion, Pennsylvania, USA. [Contact: M. Nathal, NASA Lewis Research Center, 21000 Brookpark Road, MS 106-5, Cleveland, OH 44135, USA. E-mail: michael.v.nathal@lerc.nasa.gov].

21–29 September 1997

ZEOLITE'97 Fifth International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites. Porto d'Ischia (Napoli), Italy. [Contact: Dr. Mariarosaria Adabbo, DIMP-Chimica Applicata, Università Federico II, Piazzale V. Tecchio 80, 80125 Napoli, Italy. Tel: 39 (81) 768 2550; Fax: 39 (81) 768 2394; E-mail: calella@unina.it].

28 September–1 October 1997

Eastern Regional Conference on Crystal Growth and Epitaxy. Atlantic City, New Jersey, USA. [Contact: Rose Scripa, University of Alabama at Birmingham, Department of Materials Engineering, 1150 Tenth Avenue S, Birmingham, AL 35294-4461, USA. Tel: 1 (205) 934 8453; Fax: 1 (205) 934 8485; E-mail: rscripa@eng.uab.edu].

ham, AL 35294-4461, USA. Tel: 1 (205) 934 8453; Fax: 1 (205) 934 8485; E-mail: rscripa@eng.uab.edu].

1–4 October 1997

X-ray Scattering from Surfaces, Interfaces, and Thin Layers. Smolenice, Slovakia. [Contact: Dr. Vaclav Holy, Department of Solid State Physics, Masaryk University, Kotlarska 2, 611 37 Brno, Czech Republic. Tel: 42 (5) 4112 9441; Fax: 42 (5) 4121 1214; E-mail: holy@elanor.sci.muni.cz].

2 October 1997

Annual Meeting of the Swiss Society of Crystallography. Genève, Switzerland. [Contact: E-mail: radovan.cerny@cryst.unige.ch; Info: http://www.unige.ch/crystal/grpusr/SSC_meeting/ssc_meeting_geneva.htm].

14–16 October 1997

RX97 Colloque Rayons X et Matière. Strasbourg, France. The conference language is French. [Contact: A. Cornet, Ecole Nationale Supérieure des Arts et Industries de Strasbourg, 24 Boulevard de la Victoire, F-67000 Strasbourg, France. Tel: 33 () 8814 4739; Fax: 33 () 8824 1490; E-mail: rx97@ensais.u-strasbg.fr].

26–30 October 1997

24th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies. Providence, Rhode Island, USA. [Contact: FACSS, 1201 Don Diego Avenue, Santa Fe, NM 87505, USA. Info: <http://facss.org/info.html>].

6–8 November 1997

55th Pittsburgh Diffraction Conference. Athens, Georgia, USA. [Contact: Dr. Steven J. Geib, Department of Chemistry, University of Pittsburgh, Pittsburgh, PA 15260, USA.

Tel: 1 (412) 269 0833; E-mail: geib@pitt.edu; Info: <http://www.uga.edu/~biocryst/pdc97.html>].

1–2 December 1997

Polymorphism in Molecular Crystals: 100 Years of Ostwald's Rule. Manchester, England, UK. [Contact: Prof. R. J. Davey, Department of Chemical Engineering, UMIST, Post Office Box 88, Manchester M60 1QD, UK. E-mail: rjd@fs3.ce.umist.ac.uk].

1–5 December 1997

Fall 1997 Meeting of the Materials Research Society. Boston, MA, USA. [Contact: Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237. Tel: 1 (412) 367 3004; Fax: 1 (412) 367 4373; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

5–8 April 1998

BCA Annual Spring Meeting. St. Andrews, Scotland, UK. [Contact: Dr. P. Lightfoot, School of Chemistry, University of St. Andrews, Purdie Building, St. Andrews, Fife KY16 9ST, UK. E-mail: pl@st-and.ac.uk].

13–17 April 1998

Spring 1998 Meeting of the Materials Research Society. San Francisco, California, USA. [Contact: Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237, USA. Tel: 1 (412) 367 3004; Fax: 1 (412) 367 4373; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

24–29 May 1998

First Russian Crystal Chemistry Conference. Chernogolovka (near Moscow), Russia. Conference languages Russian and English, with simultaneous translation of Russian to English. [Contact: A. N. Utenyshev, Institute of Chemical Physics at Chernogolovka, Russian Academy of Science, 142432 Chernogolovka, Moscow Region, Russia. Fax: 7 (096) 515 3588; E-mail: atom@kon.icp.ac.ru].

June 1998

Australian Clay Minerals Society Conference. Brisbane, Australia. To be held on the campus of the Queensland University of Technology. [Info: <http://www.sci.qut.edu.au/physci>].

6–10 June 1998

Clay Minerals Society Meeting. Cleveland, Ohio, USA. [Contact: Prof. Sam Savin, Department of Geological Sciences, Case Western Reserve University, Cleveland, OH 44106, USA. E-mail: sms@po.cwru.edu].

14–19 June 1998

CIMTEC 98 World Ceramics Conference and Forum on New Materials. Florence, Italy. [Contact: CIMTEC 98, Post Office Box 165, 48018 Faenza, Italy. Fax: 39 (546) 664 138; Info: <http://www.dinamica.it/cimtec98>].

19–24 July 1998

ACA '98 American Crystallographic Association Annual Meeting. Washington, DC, USA [Contact: T. A. Vanderah, National Institute of Standards and Technology, Ceramics Division, Building 223 Room A256, Gaithersburg, MD

20899, USA. Tel: 1 (301) 975 5785; Fax: 1 (301) 990 8729; E-mail: terrell@credit.nist.gov or V. L. Karen, NIST, Materials Science and Engineering Laboratory, Materials Building Room, A215, Gaithersburg, MD 20899, USA. Tel: 1 (301) 975 6255; E-mail: karen@tiber.nist.gov; Info: <http://www.hwi.buffalo.edu/aca>].

26–31 July 1998

Twelfth International Conference on Crystal Growth, in conjunction with the **Tenth International Conference on Vapor Growth and Epitaxy.** Jerusalem, Israel. [Contact: ICCG 12, c/o International Travel & Congresses, Ltd., 9 Rothschild Boulevard, Post Office Box 29313, Tel Aviv 61292, Israel. Tel: 972 (3) 510 2538; Fax: 972 (3) 516 0604; E-mail: 100264.2432@CompuServe.com; Info: <http://www.technion.ac.il/~iccg12>].

10–14 August 1998

IMA '98 17th General Meeting of the International Mineralogical Association. Toronto, Ontario, Canada. The meeting will be centered on extensive scientific sessions, preceded and followed by field trips across Canada and the US including important mineral locations, ore deposits, sites of impact craters, and classic petrologic locations. [Contact: Dr. Eva Schandl, Department of Geology, University of Toronto, Earth Sciences Centre, 22 Russell Street, Toronto, ON, Canada M5S 3B1. Tel: 1 (416) 478 7084; Fax: 1 (416) 478 3938; E-mail: ima98@quartz.geology.utoronto.ca; Info: <http://www.geology.utoronto.ca/IMA98>].

16–22 August 1998

ECM-18 18th European Crystallographic Meeting. Praha, Czech Republic. The conference language is English. [Contact: Radomir Kuzel, Conference Secretariat, Faculty of Mathematics and Physics, Charles University, Ke Karlovu 5, 121 16 Praha 2, Czech Republic. Tel: 42 (2) 2491 5014 x394; Fax: 42 (2) 2491 1061; E-mail: kuzel@karlov.mff.cuni.cz; Info: <http://krystal.karlov.mff.cuni.cz/ecm/ecm.htm> or Jindrich Hasek, Conference Chairman, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovskeho nam 2, 162 06 Praha 6, Czech Republic. Tel: 42 (2) 360 341 x390; Fax: 42 (2) 367 981; E-mail: hasek@imc.cas.cz; Info: <http://www-xray.fzu.cz/ecm/ecm.htm>].

22–25 August 1998

EPDIC-6 Sixth European Powder Diffraction Conference. Budapest, Hungary. [Contact: Prof. Tamas Ungar, Department of General Physics, Eotvos University, Muzeum kt 6–8, Post Office Box 323, H-1445 Budapest, Hungary. Tel/Fax: 36 (1) 266 9833; E-mail: ungar@ludens.elte.hu].

11–16 October 1998

25th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies. Austin, Texas, USA. [Contact: FACSS, 1201 Don Diego Avenue, Santa Fe, NM 87505, USA. Info: <http://facss.org/info.html>].

13–15 October 1998

AsCA'98 Third Conference of the Asian Crystallographic Association. Bangi, Selangor, Malaysia. [Info: <http://gandalf.otago.ac.nz:800/rweavers/asca/asca98.htm>].

25–30 October 1998

Rare Earths 98. Fremantle (near Perth), Australia. [Contact: Erica Jago, Materials Institute of Western Australia, 133 Salvado Road, Wembley, WA 6014, Australia. Tel: 61 (9) 387 9590; Fax: 61 (9) 383 9639; E-mail: re98@miwa.org.au; Info: <http://www.miwa.org.au/IREC98>]

30 November–4 December 1998

Fall 1998 Meeting of the Materials Research Society. Boston, Massachusetts, USA [Contact: Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237, USA. Tel: 1 (412) 367 3004; Fax: 1 (412) 367 4373; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

May 1999

ACA '99 American Crystallographic Association Annual Meeting. Buffalo, New York, USA. [Contact: Dr. G. David Smith, Hauptman-Woodward Institute, 73 High

Street, Buffalo, NY 14217, USA. Tel: 1 (716) 856 9600; Fax: 1 (715) 852 4846; Info: <http://www.hwi.buffalo.edu/aca>].

4–13 August 1999

18th IUCr General Assembly and International Congress of Crystallography. Glasgow, Scotland, UK. [Contact: Dr. C. J. Gilmore, Department of Chemistry, University of Glasgow, Glasgow G12 8QQ, Scotland, UK. Tel: 44 (141) 339 8855, Fax: 44 (141) 330 4888; E-mail: iucr99@chem.gla.ac.uk or Prof. J. A. K. Howard, University of Durham, Department of Chemistry, South Road, Durham DH1 3LE, England, UK. Tel: 44 (191) 374 4647, Fax: 44 (191) 374 3745; E-mail: j.a.k.howard@durham.ac.uk; Info: <http://www.chem.gla.ac.uk/iucr99>].

23–28 October 1999

26th Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies. Vancouver, British Columbia, Canada. [Contact: FACSS, 1201 Don Diego Avenue, Santa Fe, NM 87505, USA. Info: <http://facss.org/info.html>].

Regional Reports

A Report on the ICDD March 1997 Annual Meeting: Invited talks and the Poster Session

Hideo Toraya,

Ceramics research Laboratory, Nagoya Institute of Technology, Asahigaoka, Tajimi 507, Japan

The ICDD Annual Meeting was held on March 19 and 20, 1997 at its Headquarters in Newtown Square, Pennsylvania. Four speakers were invited to present talks at the Meeting, namely Professor R. Allmann of Philipps-Universität, Germany; Professor E. V. Antipov of Moscow State Univer-

sity, Russia; Professor J. Fiala of SKODA Research Ltd., the Czech Republic; and Professor Shao-Fan Lin of Nankai University, China. A poster session was also held, and the theme of the session was "Materials Characterization by X-ray Analysis Techniques." There were a total of eight posters displayed outside the conference rooms during the entire meeting. The posters were of high quality in both contents and appearance, with very nice photographs displayed. The following are abstracts of the invited talks and posters presented, they are arranged in alphabetical order by author's names.

Invited Papers

A Proposal for Cross-references between the Databases PDF and ICSD

(Rudolf Allmann, Institut für Mineralogie, Philipps-Universität, D-35032 Marburg, Germany)

The Power Diffraction File (PDF) contains about 46,000 inorganic compounds in 1996 (including about 12,000 intermetallic phases). They are mostly indexed, and often include the corresponding space groups. But the information whether the structure is known or not is not given for many compounds. On the other hand, the Inorganic Crystal Structure Database (ICSD, edited by Fachinformationszentrum, Karlsruhe and Gmelin-Institut, Frankfurt/Main, Germany) contains about 43,000 inorganic structures in 1996 (excluding intermetallics). These data can be taken as continuation

of the inorganic part of the Structure Reports (SR, part A), which were left off in 1990 (for organic part in 1985). The last volume of SR is a valuable index for nearly all structures solved until 1990. But ICSD is more informative than SR, because all available coordinates are recorded. Even most of the deposited data on (anisotropic) displacement factors together with their standard deviations can be found in ICSD.

ICSD includes the somewhat outdated program LAZY PULVERIX for the calculation of powder patterns from the recorded structural data. The program MicroPowder (Materials Data, Inc.) with its much better graphical possibilities is able to read the ICSD data too. Another easily manageable program for this purpose is PowderCell (Dr. Nolze, Bundesanstalt für Materialforschung, Berlin, Germany). A comparison of such calculated powder patterns with observed ones