

The 49th Annual **Denver X-ray Conference (DXC)** was held at the Denver Marriott Tech Center, July 31 through August 4, 2000.

The first two days of the conference consisted of Workshops. Seven were in the field of X-ray Diffraction: Rietveld Analysis, Alignment & Standards, Micron Size Specimens, Residual Stress, Phase Transformation, Grazing Incidence, and Texture. Six were in the field of X-ray Fluorescence: Total Reflection, Introductory XRF, Layered Materials, Specimen Preparation, Fundamental Parameters, and Quantitative Standardless Methods. One was applicable to both fields: New Methods of Beam Conditioning.

Two XRD and one XRF poster sessions were held during evening receptions sponsored by Bede Scientific, SPEX CertiPrep, Claisse Scientifique, Philips Analytical Inc., Materials Data Inc., Rigaku/USA, and Bruker AXS, Inc.

A Plenary Session, **X-ray Analysis in the 21st Century**, included awards to Yohichi Gohshi of the National Institute for Environmental Studies, Tsukuba Japan (Birks Award), Gregory J. McCarthy of North Dakota State University, Fargo, ND (McMurdie Award), and I. Cev Noyan of IBM, Yorktown Heights, NY (Jerome B. Cohen Student Award). Robert Snyder gave a report on the newly formed International X-ray Analysis Society (IXAS). Invited papers were then presented by I. C. Noyan (IBM, Yorktown Heights, NY), D. K. Bowen (Bede Scientific, Englewood, CO), R. van Grieken (University of Antwerp, Belgium), and B. Vrebos (Philips Analytical, Almelo, The Netherlands) detailing their visions of the future of XRD and XRF.

The last three days of the conference consisted of XRD sessions: Rietveld Analysis, Mesosstructure Analysis, Stress Analysis, Phase Transformations, New Developments in Instrumentation, and Thin Film Analysis; XRF sessions: Industrial Applications, New Developments, and Quantitative Analysis & Software; and combined sessions: Problems & Solutions and Microbeam Techniques.

An Exhibition Hall, featuring 35 companies was open most of the week. The banquet speaker was Deane K. Smith, Emeritus, The Pennsylvania State University, who presented a slide show: **Gems: The Usual and Unusual**.

Throughout the week, there were special interest meetings including ICDD Committees: Education, Manufacturers' Liaison, Organic & Pharmaceutical, XRF, Ceramics, X-ray Diffraction Methods, and Database; the International

X-ray Analysis Society (IXAS); and the Macintosh Diffraction Software Users Group.

Scott Misture (NYS College of Ceramics, Alfred, NY) reported that the X-Ray Diffraction Methods Subcommittee has begun an evaluation of data obtained in the laboratory using several different optical arrangements including multilayer and polycapillary. Systematic errors, line resolution, and relative intensities will be carefully considered and compared to 'standard' diffraction optics.

Monte Nichols (Aleph Enterprises, Livermore, CA) reported that the Database Subcommittee adopted a new mission statement: "The Database Subcommittee shall be responsible for assisting and/or advising ICDD regarding the overall improvement and timely update of the databases, including technical support where appropriate, and proactive suggestions regarding how new and developing database technologies might be used to provide a positive impact for the ICDD and be beneficial to its customers/vendors/resellers." Task groups were established to investigate next generation database concepts and the possibility of the ICDD supplying a fundamental parameters XRF database.

Robert Snyder (Ohio State University, Columbus, OH) reported that the International X-ray Analysis Society (IXAS) is a new type of scientific society focused on the use of X-rays, neutrons, and electrons in materials characterization. This fully electronic non-profit society will have free, open membership to the world's community of X-ray analysts requiring only that they have access to the World Wide Web (www.ixas.org). The purpose of the Society is to serve professionals working in the field of materials analysis by: (a) fostering interaction among materials scientists, chemists, physicists, geologists, and others engaged in the use of X-rays and other radiations, including neutrons and electrons, for materials analysis; (b) sponsoring meetings of interest to those in the field of materials analysis; and (c) disseminating information of interest to the materials analysis community.

The proceedings of the conference will be published as volume 44 of the **Advances in X-ray Analysis** as a CD-ROM in 2001 by the International Centre for Diffraction Data (ICDD), Newtown Square, PA. The 2001 conference will be held July 30 through August 3 at the Sheraton Steamboat Resort, Steamboat Springs, CO. See www.dxcicdd.com for details.

Calendar of Meetings

Donald R. Petersen
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13–14 December 2000

International Conference on Stress Evaluation by Neutron and Synchrotron Radiation. Reims, France. [Contact: Info: <http://www-llb cea.fr/mecasens>].

18–21 December 2000

Condensed Matter and Materials Physics Conference 2000. Bristol, England, UK. Held at the University of Bristol. Includes sessions on polymer crystallization and polymer

morphology. [Contact: Jasmina Bolfek-Radovani, Conference Office, Institute of Physics, 76 Portland Place, London W1B 1NT, UK. Tel: 44 (20) 7470 4834; Fax: 44 (20) 7470 4900; E-mail: jasmina.bolfek-radovani@iop.org; Info: <http://www.iop.org/IOP/Confs/CMMP>].

11–15 February 2001

130th Annual Meeting of the Minerals, Metals, and Materials Society. New Orleans, Louisiana, USA. [Contact: TMS, 184 Thorn Hill Road, Warrendale, PA 15086-7514, USA. Tel: 1 (724) 776 9000; Fax: 1 (724) 776 3770; Info: <http://www.tms.org>].

5–8 March 2001

Pittcon 2001. New Orleans, Louisiana, USA. [Contact: Pittsburgh Conference, 300 Penn Center Boulevard, Suite 332, Pittsburgh, PA 15235-5503, USA. Tel: 1 (800) 825 3221; Info: <http://www.pittcon.org>].

12–15 March 2001

DGK 2001 9. Jahrestagung der Deutschen Gesellschaft für Kristallographie. Bayreuth, Germany. [Contact: Sekretariat DGK 2001, Denise Huth, Universität Bayreuth, Lehrstuhl für Kristallographie, Universitätsstrasse 30, 95440 Bayreuth, Germany. Tel: 49 (921) 553 881; Fax: 49 (921) 553 770; E-mail: dgk2001@uni-bayreuth.de; Info: <http://www.uni-bayreuth.de/dgk2001>].

2–5 April 2001

13th Interdisciplinary Surface Science Conference. London, England, UK. Sponsored by the Institute of Physics; held at University College London. [Contact: Dr. F. H. Jones, ISSC-13, Biomaterials Department, Eastman Dental Institute, University College London, 256 Gray's Inn Road, London WC1X 8LD, UK. Tel: 44 (20) 7915 1019; E-mail: issc-13@ucl.ac.uk; Info: <http://www.ucl.ac.uk/issc-13>].

7–10 April 2001

British Crystallographic Association Annual Meeting. Reading, England, UK. Held at Reading University. [Contact: Info: <http://gordon.cryst.bbkc.ac.uk/bca/index.html>].

8–12 April 2001

EUG11 Eleventh Biennial Meeting of the European Union of Geosciences. Strasbourg, France. [Contact: EUG at EOST, 5 rue René Descartes, Strasbourg Cedex 67084, France. Tel: 33 (3) 8841 6393; Fax: 33 (3) 8860 3887; E-mail: eug@eost.u-strasbg.fr; Info: <http://eost.u-strasbg.fr/EUG>].

16–20 April 2001

Spring Meeting of the Materials Research Society. San Francisco, California, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

22–25 April 2001

Accuracy in Powder Diffraction III. Gaithersburg, Maryland, USA. [Contact: James P. Cline, National Institute of Standards and Technology, 100 Bureau Drive, Stop 8523,

Gaithersburg, MD 20899, USA. Tel: 1 (301) 975 5793; Fax: 1 (301) 975 5334; E-mail: cline@credit.nist.gov].

20–24 May 2001

Goldschmidt 2001. Roanoke, Virginia, USA. [Contact: Robert J. Bodnar, Department of Geological Sciences, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0420, USA. Tel: 1 (540) 231 7455; Fax: 1 (540) 231 3386; E-mail: gold2001@vt.edu; Info: <http://cass.jsc.nasa.gov/meetings/gold2001/gold2001.1st.html>].

27–30 May 2001

St. John's 2001 Geological Association of Canada—Mineralogical Association of Canada Joint Annual Meeting. St. John's, Newfoundland, Canada. [Contact: St. John's 2001, c/o Department of Mines and Energy, St. John's, NF A1B 4J6, Canada. Tel: 1 (709) 729 2301; Fax: 1 (709) 729 3493; E-mail: dmp@zeppo.geosurv.gov.nf.ca; Info: <http://www.geosurv.gov.nf.ca/stjohns2001>].

8–12 June 2001

PIXE2001 Ninth International Conference on Particle Induced X-ray Emission. Guelph, Ontario, Canada. Held at the University of Guelph. [Contact: Z. Nejedly, Element Analysis Corporation, 101 Venture Court, Suite B-1, Lexington, KY 40511, USA. Tel: 1 (606) 254 5115; Fax: 1 (606) 254 5150; E-mail: pixe@elementanalysis.com; Info: <http://pixe2001.physics.uoguelph.ca>].

June/July 2001

CRYSTAL XXII 22nd Annual Meeting of the Society of Crystallographers in Australia and New Zealand. Queensland, Australia. [Contact: E-mail: bws@crystal.uwa.edu.au; Info: <http://www.sca.asn.au>].

1–6 July 2001

Thin Films and Crystal Growth Mechanisms. Williams-town, Massachusetts, USA. This is a Gordon Research Conference, the third in a series begun in 1997. It will be held at Williams College, set in the Berkshire Hills of northwestern Massachusetts. [Contact: Gordon Research Conferences, University of Rhode Island, Post Office Box 984, West Kingston, RI 02892-0984, USA. Tel: 1 (401) 783 4011; Fax: 1 (401) 783 7644; E-mail: grc@grcmail.grc.uri.edu; Info: <http://www.grc.uri.edu>].

1–7 July 2001

ICG XIX 19th International Congress on Glass. Edinburgh, Scotland, UK. Sponsored by the Society of Glass Technology. [Contact: Secretariat ICG XIX, The Inbye, Watson Lane, Norwood, Harrogate, North Yorkshire HG3 1TA, UK. Tel: 44 (1943) 880 491; Fax: 44 (1943) 880 489; E-mail: anne.wells@selecthallmark.co.uk; Info: <http://www.sgt.org/meetings/ICG2001.html>].

2–6 July 2001

ICXOM XVI 16th International Conference on X-ray Optics and Microanalysis. Wien, Austria. [Contact: Dr. Michael K. Mantler, ICXOM XVI, Technische Universität Wien, Wiedner Hauptstrasse 8-10/1374, A-1040 Wien, Austria. Tel: 43 (1) 58801 x13761; Fax: 43 (1) 58801 x13799; E-mail: icxom@icxom.at; Info: <http://www.icxom.at>].

4–7 July 2001

ECSSC 8 Eighth European Conference on Solid State Chemistry. Oslo, Norway. [Contact: ECSSC Secretariat, Inorganic and Materials Chemistry, University of Oslo, Post Office Box 1033, Blindern, N-0315 Oslo, Norway. E-mail: ecssc-8@kjemi.uio.no; Info: <http://www.kjemi.uio.no/ecssc8>].

9–12 July 2001

Scattering Methods for the Investigation of Polymers. Prague, Czech Republic. [Contact: Milena Srpova, PMM Secretariat, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovského nám. 2, 162 06 Praha 6, Czech Republic. Tel: 420 (2) 360 317; Fax: 420 (2) 367 981; E-mail: sympo@imc.cas.cz].

16–19 July 2001

Polymer Membranes. Prague, Czech Republic. [Contact: Milena Srpova, PMM Secretariat, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Heyrovského nám. 2, 162 06 Praha 6, Czech Republic. Tel: 420 (2) 360 317; Fax: 420 (2) 367 981; E-mail: sympo@imc.cas.cz].

21–26 July 2001

ACA'01 American Crystallographic Association Annual Meeting. Los Angeles, California, USA. [Contact: Katherine A. Kantardjieff, Department of Chemistry and Biochemistry, California State University, Fullerton, CA 92634, USA. Tel: 1 (714) 773 3752; Fax: 1 (714) 449 5316; E-mail: kant@csu.fullerton.edu; Info: <http://www.hwi.buffalo.edu/ACA>].

29 July–4 August 2001

12th International Clay Conference. Bahía Blanca, Argentina. Held at the Universidad Nacional del Sur. [Contact: Dr. Fernanda Cravero, Departamento de Geología, Universidad Nacional del Sur, San Juan 670, 8000 Bahía Blanca, Argentina. Fax: 54 (291) 459 5148; E-mail: 12icc@criba.edu.ar; Info: <http://www.12icc.criba.edu.ar>].

30 July–3 August 2001

Denver X-ray Conference. Steamboat Springs, Denver, Colorado, USA. [Contact: Ms. Terry Maguire, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: maguire@icdd.com; Info: <http://www.dxcicdd.com/01>].

30 July–4 August 2001

13th International Conference on Crystal Growth, in conjunction with the **11th International Conference on Vapor Growth and Epitaxy.** Kyoto, Japan. [Contact: Secretariat ICCG-13/ICVGE-11, Faculty of Engineering, Doshisha University, Kyotanabe-city, Kyoto 610-0321, Japan. Tel: 81 (774) 656 329; Fax: 81 (774) 656 811; E-mail: info@iccg.doshisha.ac.jp; Info: <http://icgg.doshisha.ac.jp/home.html>].

5–9 August 2001

Microscopy and Microanalysis 2001. Long Beach, California, USA. Sponsored by the Microscopy Society of America

and the Microbeam Analysis Society. [Contact: MSA Business Office, Bostrom Corporation, 230 East Ohio, Suite 400, Chicago, IL 60611, USA. Tel: 1 (312) 644 1527; Fax: 1 (312) 644 8557; E-mail: businessoffice@msa.microscopy.com; Info: <http://www.msa.microscopy.com>].

12–16 August 2001

ACCGE-13 Thirteenth American Conference on Crystal Growth and Epitaxy. Burlington, Vermont, USA. [Contact: Secretariat: Tony Gentile, E-mail: aacg@lafn.org; Info: <http://www.crystalgrowth.org>].

25–31 August 2001

ECM 20 20th European Crystallographic Meeting. Kraków, Poland. [Contact: Prof. Stanislaw Hodorowicz, Jagiellonian University, Faculty of Chemistry, ul. R. Ingardena 3, 30-060 Kraków, Poland. Tel: 48 (12) 33 63 77 x67; Fax: 48 (12) 34 05 15; E-mail: ecm2001@trurl.uj.edu.pl; Info: <http://www.ch.uj.edu.pl/ECM2001.htm>].

26–30 August 2001

American Chemical Society National Meeting. Chicago, Illinois, USA. Includes symposia on “Scattering from Polymers” and “Particle Size Assessment and Characterization.” [Contact: Info: <http://www.acs.org/meetings/chicago2001.html>].

3–5 September 2001

IAS 2001 21st Meeting of the International Association of Sedimentologists. Davos, Graubunden, Switzerland. [Contact: IAS 2001 Secretariat, Haruko Hartmann, Geological Institute, ETH-Zentrum, 8092 Zürich, Switzerland. Fax: 41 (1) 632 1030; E-mail: info@ias-2001.ethz.ch; Info: <http://www.ias-2001.ethz.ch>].

9–13 September 2001

115th AOAC International Annual Meeting and Exposition. Kansas City, Missouri, USA. [Contact: Maria Donovan, AOAC International, 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 20877-2417, USA. Tel: 1 (301) 924 7089; Fax: 1 (301) 924 7089; E-mail: mndonovan@aoac.org; Info: <http://www.aoac.org/>].

9–13 September 2001

ICNS 2001 International Conference on Neutron Scattering. München, Germany. At Technische Universität München. [Contact: ICNS2001 Conference Office, Technische Universität München, Physik Department E13, D-85747 Garching, Germany. Tel: 49 (89) 2891 2452; Fax: 49 (89) 2891 2473; E-mail: info@icns2001.de; Info: <http://www.icns2001.de>].

9–14 September 2001

MECC'01 Mid-European Clay Conference 2001. Stará Lesná, Slovakia. Held at the Congress Centre Academia of the Slovak Academy of Sciences at Stará Lesná in the High Tatras Mountains. A one-day field trip to East Slovakian clay deposits and points of interest will be organized on September 13. The official language of the conference will be English. [Contact: MECC'01, Institute of Inorganic Chemistry, Slovak Academy of Sciences, Dúbravská cesta 9, SK-842 36

Bratislava, Slovakia. Tel: 421 (7) 5941 0485; Fax: 421 (7) 5941 0444; E-mail: mecc@savba.sk; Info: http://nic.savba.sk/sav/inst/uach/mecc01/home_page.htm].

19–21 September 2001

ENAC'01 6th European Meeting on Ancient Ceramics. Fribourg, Switzerland. [Contact: Prof. Dr. Marino Maggetti or Dr. Vincent Serneels, Institute of Mineralogy and Petrography, University of Fribourg, Pérolles CH-1700 Fribourg, Switzerland. Tel: 41 (26) 300 8920; Fax: 41 (26) 300 9765; E-mail: marino.maggetti@unifr.ch or vincent.serneels@unifr.ch; Info: <http://www.unifr.ch/mineral>].

30 September–5 October 2001

ECASIA'01 Ninth European Conference on Applications of Surface and Interface Analysis. Avignon, France. The conference language will be English. [Contact: Info: <http://www.enscp.jussieu.fr/ecasia>].

7–12 October 2001

28th Annual Conference of Federation of Analytical Chemistry and Spectroscopy Societies. Detroit, Michigan, USA. [Contact: Cindi Lilly, FACSS, 1201 Don Diego Avenue, Santa Fe, NM 87505, USA. Tel: 1 (505) 820 1648; Fax: 1 (505) 989 1073; E-mail: jsjoberg@trail.com; Info: <http://facss.org/info.html>].

November 2001

AsCA 2001 Fourth Conference of the Asian Crystallographic Association. Bangalore, India. [Contact: Info: <http://www.sca.asn.au>].

November 2001

Tercer Congreso Nacional de Cristalografía. Hermosillo, Sonora, Mexico. Includes **Primera Exposición Internacional de Gemas y Minerales.** [Contact: E-mail: smcr@fenix.ifisicacu.unam.mx; Info: <http://www.unam.mx/smcr/eventos/eventos.htm>].

4–9 November 2001

Actinides 2001 International Conference. Hayama, Japan. [Contact: Dr. T. Ogawa, Department of Materials Science, Japan Atomic Energy Research Institute, Tokai-mura, Naka-gun, Ibaraki-ken 319-1195, Japan. Fax: 81 (29) 282 5922; E-mail: actq@act2001.tokai.jaeri.go.jp; Info: <http://act2001.tokai.jaeri.go.jp>].

5–8 November 2001

Geological Society of America Annual Meeting. Boston, Massachusetts, USA. [Contact: GSA Meetings, Post Office Box 9140, Boulder, CO 80301-9140, USA. Tel: 1 (303) 447 2020. Info: <http://www.geosociety.org>].

26–30 November 2001

Fall Meeting of the Materials Research Society. Boston, Massachusetts, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

2–6 December 2001

Analysis of Microstructure and Residual Stress by Diffraction Methods. Trento, Italy. [Contact: Info: <http://bragg.ing.unitn.it/sizestrain>].

2–4 April 2002

Spring Meeting of the Materials Research Society. San Francisco, California, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

26–30 May 2002

ACA'02 American Crystallographic Association Annual Meeting. San Antonio, Texas, USA. [Contact: Raymond E. Davis, Department of Chemistry and Biochemistry, University of Texas at Austin, Austin, TX 78712-1167, USA. Tel: 1 (512) 471 4440; Fax: 1 (512) 471 8696; E-mail: redavis@mail.utexas.edu; Info: <http://www.hwi.buffalo.edu/ACA>].

29 July–2 August 2002

Denver X-ray Conference. Denver, Colorado, USA. [Contact: Ms. Terry Maguire, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: maguire@icdd.com; Info: <http://www.dxcicdd.com/02>].

4–9 August 2002

Microscopy and Microanalysis 2002. Québec City, Québec, Canada. [Contact: Dr. Pierre M. Charest, Département de Phytologie, Pavillon C.-E. Marchand, Université Laval, Québec City, Qué. G1K 7P4, Canada. Tel: 1 (418) 656 7792; Fax: 1 (418) 656 7176; E-mail: pcharst@rsvs.ulaval.ca; Info: <http://msc.rsvs.ulaval.ca/2002/2002.html>].

6–15 August 2002

19th IUCr General Assembly and International Congress of Crystallography. Jerusalem, Israel. [Contact: Secretariat XIX IUCr, Post Office Box 50006, Tel Aviv 61500, Israel. Tel: 972 (3) 515 0009; Fax: 972 (3) 517 5674 or 972 (3) 514 0077; E-mail: iucr@kenes.com; Info: <http://www.kenes.com/iucr>].

25–29 August 2002

Twelfth International Conference on Small Angle Scattering. Venezia, Italy. [Contact: Dr. A. Benedetti, Università di Venezia, Dipartimento di Chimica Fisica, Calle Larga S. Marta D. D. 2137, I-30123 Venezia, Italy. Fax: 39 (041) 257 8594; E-mail: sas2002@unive.it; Info: http://www.isf.unian.it/isf/sas/home_sas.htm].

1–6 September 2002

ICEM-15 Fifteenth International Congress on Electron Microscopy. Durban, Kwazulu-Natal, South Africa. Sponsored by the International Federation of Societies for Electron Microscopy and the Microscopy Society of South Africa. Includes all aspects and applications of microscopy and microanalysis. [Contact: Robin Cross, ICEM-15 Secretariat, Electron Microscopy Unit, Rhodes University, Post Office Box 94, Grahamstown 6140, South Africa. Tel: 27 (46) 603

8168; Fax: 27 (46) 622 4377; E-mail: r.cross@ru.ac.za; Info: <http://www.icem15.com>].

2–4 September 2002

IMA 2002 International Mineralogical Association. Edinburgh, Scotland, UK. [Contact: Marco Pasero, Dipartimento di Scienze della Terra, Via S. Maria 53, 56126 Pisa, Italy. E-mail: pasero@dst.unipi.it; Info: <http://www.dst.unipi.it/ima>].

22–26 September 2002

116th AOAC International Annual Meeting. Los Angeles, California, USA. [Contact: Maria Donovan, AOAC International, 481 North Frederick Avenue, Suite 500, Gaithersburg, MD 20877-2417, USA. Tel: 1 (301) 924 7089; Fax: 1 (301) 924 7089; E-mail: mdonovan@aoac.org; Info: <http://www.aoac.org/>].

2–6 December 2002

Fall Meeting of the Materials Research Society. Boston, Massachusetts, USA. [Contact: Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573, USA. Tel: 1 (724) 779 3003; Fax: 1 (724) 779 8313; E-mail: info@mrs.org; Info: <http://www.mrs.org>].

30 July–3 August 2003

Microscopy and Microanalysis 2003. San Antonio, Texas, USA. Sponsored by the Microscopy Society of America and the Microbeam Analysis Society. [Contact: MSA Business Office, Bostrom Corporation, 230 East Ohio, Suite 400, Chicago, IL 60611, USA. Tel: 1 (312) 644 1527; Fax: 1 (312) 644 8557; E-mail: businessoffice@msa.microscopy.com; Info: <http://www.msa.microscopy.com>].

August/September 2003

Euroclay 2003. Modena, Italy. [Contact: Maria Franca Brigatti, Dipartimento di Scienza della Terra, Università di Modena e Reggio Emilia, Largo S. Eufemia 19, 41100 Modena, Italy. Fax: 39 (059) 205 5887; E-mail: ec2003@unimo.it; Info: <http://www.unimo.it/euroclay2003/lfr.html>].

2–6 September 2003

ECNS 2003 European Conference on Neutron Scattering. Montpellier, France. [Contact: René Vacher, CNRS-SPM, Montpellier, France. Tel: 33 (4) 6714 3449; Fax: 33 (4) 6714 3498; E-mail: rene@ldv.uni-montp2.fr; Info: <http://www.sfn.asso.fr>].

Short Courses and Workshops

30 March–6 April 2001

Eighth Intensive Course in X-ray Structural Analysis. Durham, England, UK. Under the sponsorship of the Chemical Crystallography Group of the British Crystallographic Association. [Contact: Prof. Judith A. K. Howard, Department of Chemistry, University of Durham, Durham DH1 3LE, UK. Tel: 44 (191) 374 4647; Fax: 44 (191) 374 3745; E-mail: j.a.k.howard@durham.ac.uk].

30 April–4 May 2001

ICDD X-ray Clinic: Fundamentals of X-ray Fluorescence. Newtown Square, Pennsylvania, USA. The first week of an integrated two-week course in the theoretical fundamentals and experimental techniques of X-ray fluorescence spectrometry, including both qualitative and quantitative analysis. [Contact: Education Coordinator, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: clinics@icdd.com; Info: <http://www.icdd.com/education/xrf.htm>].

6–10 May 2001

EMAS 2001 Seventh European Workshop on Modern Developments and Applications in Microbeam Analysis. Tampere, Finland. [Contact: EMAS Secretariat, University of Antwerp (UIA), Department of Chemistry, B-2610 Antwerp-Wilrijk, Belgium. Tel/Fax: 32 (3) 820 2376; E-mail: vantdack@uia.ua.ac.be; Info: http://www.ssp.gla.ac.uk/emas/emas2001/first_announcement_p1.htm].

7–11 May 2001

ICDD X-ray Clinic: Advanced Methods in X-ray Fluorescence. Newtown Square, Pennsylvania, USA. The second week of an integrated two-week course in the theoretical fundamentals and experimental techniques of X-ray fluorescence spectrometry, including both qualitative and quantitative analysis. [Contact: Education Coordinator, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: clinics@icdd.com; Info: <http://www.icdd.com/education/xrf.htm>].

4–8 June 2001

ICDD X-ray Clinic: Fundamentals of X-ray Powder Diffraction. Newtown Square, Pennsylvania, USA. The first week of an integrated two-week course in theoretical and experimental X-ray powder diffraction. This first session is directed to both relative newcomers in the field and to more experienced users who want to broaden their understanding of fundamental concepts and established procedures. [Contact: Education Coordinator, International Centre for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Tel: 1 (610) 325 9814; Fax: 1 (610) 325 9823; E-mail: clinics@icdd.com; Info: <http://www.icdd.com/education/xrd.htm>].

11–15 June 2001

ICDD X-ray Clinic: Advanced Methods in X-ray Powder Diffraction. Newtown Square, Pennsylvania, USA. The second week of an integrated two-week course in theoretical