

Calendar of Meetings
Computer Comments

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Regional Correspondents

Australia

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The Czech Republic

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Japan

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Calendar of Meetings

1995

May

Workshop on Synchrotron Powder Diffraction, 8 May 1995, Brookhaven National Lab., Upton, NY 11973, USA. We will present a one-day workshop of the techniques of synchrotron powder diffraction, with an emphasis on the practical determination of crystal structures. Participants may have an opportunity to measure and evaluate data on their own sample using one of the high-resolution powder diffractometers at the National Synchrotron Light Source. [Contact: Peter Stephens, Department of Physics, SUNY, Stony Brook, 11794-3800, USA; E-mail: PSTEPHENS@SUNYSB.EDU; FAX: 516-632-8774]

June

ICDD Clinic on X-Ray Powder Diffraction, 5–9 June 1995, Fundamentals; 12–16 June 1995, Advanced Methods, ICDD Headquarters, Newtown Square, Pennsylvania, USA. The ICDD X-Ray Clinics will be held in two separate week-long sessions. [Contact: Theresa Maguire, International Center for Diffraction Data, 12 Campus Boulevard, Newtown Square, PA 19073-3273, USA. Phone: (610) 325-9814; FAX: (610) 325-9823; E-mail: Maguire@ICDD.COM].

June

ICDD Clinic on X-Ray Fluorescence Spectrometry, 19–23 June 1995, Fundamentals; 26–30 June 1995, Advanced Methods, ICDD Headquarters, Newtown Square, Pennsylvania, USA. Details and Contact: Same as ICDD Clinic on X-Ray Powder Diffraction (above).

23–28 July

Annual Meeting of the American Crystallographic Association, Montreal, Canada. [Contact: M. Cygler, Local Chair,

Biotech Research Institute, 6100 Royalmount Avenue, Montreal, PQ H4P 2R2, Canada].

31 July–4 August

1995 Annual Denver Conference on Applications of X-Ray Analysis, Colorado Springs, Colorado, USA. [Contact: Lynne Bonno, Conference Secretary, Department of Engineering, University of Denver, Denver, CO 80208, USA. Phone (303) 871-3515].

6–11 August

Sixteenth European Crystallographic Meeting (ECM-16), Lund, Sweden. The meeting is intended as a forum for interdisciplinary contacts between all diverse subfields of crystallography. The programme committee is anxious to attract all types of crystallographic contributions. [Contact: Ake Oskarsson (Chairman of the Organizing Committee), Department of Inorganic Chemistry 1, Chemical Center, Lund University, P.O. Box 124, S-221 00 Lund, Sweden. Phone: Int+46 46 108102. E-mail: Ake.Oskarsson@INORGK1.LU.SE].

21–25 August

Size–Strain '95: Commission on Powder Diffraction of the IUCr. The conference is intended for all those interested in the grain size, strain, stress, and texture of solid state materials as revealed by X-ray powder diffraction analysis. It is hoped that an authoritative book on powder diffraction will result from this meeting (to be published after the conference). The sessions of the conference will consist of invited and contributed papers given both orally and as posters. [Contact: Paval Šutta, 03119 Liptovský Mikuláš, Slovakia. Phone: Int +42 0849 22234, ext. 2475; FAX: Int +42 0849 22237].

18–19 October

International Centre for Diffraction Data Fall Technical Meetings, ICDD Headquarters, Newtown Square, Pennsylvania, USA. [Contact: Ms. Josephine Felizzi, International Centre for Diffraction Data, Newtown Square Corporate Campus, 12 Campus Boulevard, Newtown Square, PA 19073, USA. Phone (610) 325-9814].

27 November–1 December

Materials Research Society Fall Meeting, Boston, Massachusetts, USA. [Contact: Materials Research Society, Meet-

ings Department, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237, USA. Phone (412) 367-3003; FAX (412) 367-4373].

1996

8–17 August

Seventeenth IUCr General Assembly and International Congress of Crystallography. Seattle, Washington, USA. [Contact: Professor R. F. Bryan, Department of Chemistry, University of Virginia, Charlottesville, VA 22903, USA].

Computer Comments

HOW TO TRANSFER FILES OVER THE INTERNET USING FTP

There are many methods one can use to transfer files over the Internet. Perhaps the most obvious way is to include the file as part of an electronic mail (e-mail) message. However, the restrictions imposed by mail software on the sending and receiving ends may prevent a file from transferring correctly. For example, mail software might limit the total size of a mail message, it might limit the length of each record, or it might not allow binary data to be sent. Clearly, a method more suitable for these special files is needed.

FTP (File Transfer Protocol), which is part of the TCP/IP networking software upon which the Internet is based, provides file transfer support capabilities beyond those of e-mail. FTP allows a user to connect and login to a remote computer to transfer files to and/or from the user's local computer. To use FTP you need to have a valid username/password on the remote computer. Fortunately, computers on the Internet that offer free bulletin board access also nor-

mally use *anonymous* as the username and, as a courtesy to the bulletin board administrator, your e-mail address as the password. This combination of anonymous/e-mail-address for username and password is commonly referred to as *anonymous FTP*. (It is surprisingly difficult to spell anonymous correctly.) The IP address used to tell FTP which computer to connect to looks like the part to the right of the @ in a normal e-mail address. The machine offering the anonymous FTP service is commonly called an *FTP server* or *FTP bulletin board*. Once connected to an FTP server, a series of commands is available to allow one to navigate directories and to transfer files.

Figure 1, below, shows an example FTP session. While the examples used in this article were produced on a VAX/VMS system, the commands used should be very similar in most implementations of FTP. In the example the password is not echoed when it is typed as part of the *login* command but has been shown here for clarity. The machine connected to is *icdd.com*, the ICDD FTP server.

```
$ ftp icdd.com
ICDD.COM MultiNet FTP user process 3.3(109)
Connection opened (Assuming 8-bit connections)
(ICDD.COM MultiNet FTP Server Process 3.3(14) at Thu 27-Oct-94 3:13PM-EDT
ICDD.COM)login
  Foreign username: anonymous
(anonymous user ok. Send real ident as password.
Password: holomanyicdd.com
(Guest User HOLOMANYICDD.COM logged into INTERNET$DISK:[ANONYMOUS] at Thu
27-Oct-94 3:13PM-EDT, job 2f1c.
Directory and access restrictions apply
ICDD.COM)dir
(List started.
  INTERNET$DISK: [ANONYMOUS]
1README.1ST;3          1  13-APR-1994  12:07  [ANONYMOUS]  (RWED,RE,RE,RE)
ANNOUNCEMENTS.DIR;1  1  13-APR-1994  12:07  [ANONYMOUS]  (RWE,RWE,RE,RE)
PD.DIR;1              2   3-FEB-1994  12:34  [ANONYMOUS]  (RWE,RWE,RE,RE)
PRODUCTS.DIR;1       1   8-APR-1994  18:11  [ANONYMOUS]  (RWE,RWE,RE,RE)
PROGRAMS.DIR;1       1  12-SEP-1994  17:42  [ANONYMOUS]  (RWE,RWE,RE,RE)
Total of 6 blocks in 5 files.
(Transfer completed.
ICDD.COM)get 1readme.1st
  To local file:
(VMS retrieve of INTERNET$DISK:[ANONYMOUS]1README.1ST;3 started.
(Transfer completed. 538 (8) bytes transferred.
ICDD.COM)bye
(QUIT command received. Goodbye.
```