

# General Announcements

## New — Mineral Powder Diffraction File

The JCPDS-International Centre for Diffraction Data is continuing to improve the highly successful Mineral Powder Diffraction File. Now available is a new 2 volume set containing approximately 3,475 diffraction patterns covering 2,800 mineral species and also over 770 minerals newly described since 1980. All data have undergone a comprehensive computer review utilizing the NBS\*EXAIDS83 system and have also been reedited with special reference to cell, space group, Z, calculated density, indices of refraction, mineral group, chemical formula, mineral nomenclature, polytype, symbols and indexing.

The Data Book contains copies of the Powder Diffraction File data card in Sets 1-35 of the Powder Diffraction File arranged in alphabetical order. Also included is both an index in PDF number sequence and a mineral group index. The all inclusive Search Manual contains a Hanawalt numerical section, a Fink numerical section, a chemical name section and an alphabetical section by mineral name. The new Mineral Powder Diffraction File in book form will prove to be a valuable asset, not only to libraries and laboratories engaged in mineralogy, but to all individuals and organizations involved in powder diffraction analysis.

Contact the International Centre for additional details. Place your order today to ensure early delivery. Price \$550.

Sales Department  
JCPDS — International Centre for Diffraction Data  
1601 Park Lane  
Swarthmore, PA 19081, U.S.A.  
(215) 328-9403

## The J. D. Hanawalt Powder Diffraction Award

The award is sponsored by the JCPDS-International Centre for Diffraction Data. It is to be presented every three years for an important, recent contribution to the field of powder diffraction. The award will consist of a certificate and \$1000. The awardee is expected to submit an abstract and present a paper on the work being recognized at the IUCr Satellite Meeting on X-Ray Powder Diffractometry, Perth, Western Australia, August 20-22, 1987. Travel expenses to the meeting will be provided.

The award was first presented in 1983 to Dr. Ludo Frevel at the Denver X-ray Conference. Work that is eligible for consideration for the second presentation of the award must have been published between 1 January 1980 and 31 August 1985. There are no restrictions as to age, experience, or nationality of the recipient.

The 1986 selection committee members are Walter Eysel (Universitat Heidelberg), Ben Post (Polytechnic Institute, NY), Brian O'Connor (Western Australian Institute of Technology), Catherine Foris (DuPont) and Camden Hubbard (U.S. National Bureau of Standards). The selection committee will welcome suggestions, nominations, and documentation of accomplishments for possible recipients through 30 April 1986 from any interested persons. These can be sent to any committee member or directly to the chairman C. R. Hubbard, A257 MATL, National Bureau

of Standards, Gaithersburg, Maryland 20899, U.S.A., (telex 894493).

## Grants-In-Aid from the JCPDS-Joint Committee on Powder Diffraction Standards

Each year the JCPDS-International Centre for Diffraction Data extends financial support in the form of Grants-in-Aid to a limited number of scientists for the provision of X-ray powder data. These grants are intended to supplement existing funded projects involving the preparation and recording of data from new materials. First time grants are usually of the order of \$2,000 to \$5,000 for projects resulting in 10-25 new patterns. Proposals addressing the immediate needs of the powder diffraction community will be given highest priority, especially projects involving organic compounds and materials used in forensic investigations. Materials involved with any new and evolving technologies are also of specific interest.

Grants-in-Aid proposals will be considered from any qualified investigator who can demonstrate expertise in the preparation of high quality powder diffraction patterns, or in the synthesis of high purity materials, provided that such materials are of interest to the Grants-in-Aid Committee. All Grant-in-Aid recipients are required to prepare bi-annual reports on progress and extension of a Grant beyond a given year is contingent on satisfactory performance. Proposals should be submitted in accordance with specified guidelines and new proposals are reviewed in January of each year. A final decision is generally reached in March. All Grants become effective the beginning of the JCPDS fiscal year, currently 1st April.

Guidelines for the preparation of Grant proposals can be obtained from the JCPDS and proposals for grants should be addressed to:

Secretary, JCPDS-International Centre for  
Diffraction Data  
1601 Park Lane  
Swarthmore, PA 19081, U.S.A.

## Back issues of Standard X-ray Diffraction Powder Patterns

The National Bureau of Standards has on hand a limited supply of back issues of NBS Circular 539, Sections 1-10, as well as NBS Monograph 25, Sections 1-19. Individual copies may be obtained at no charge as long as supplies last.

Please contact: National Bureau of Standards  
Building 223, Room A209  
Washington D.C. 20899

## SRM640b

The National Bureau of Standards is certifying Standard Reference Material 640b, a new silicon line position standard, to replace SRM 640a which is now exhausted. A new stock of high-purity silicon powder has been bottled. Measurement of line positions and particle size are expected to be completed by the end of the summer.