

"Thus, Fedorov showed that the Bravais rule established the lattice. As for the more detailed geometry of the polarities of the molecules of the lattice, these established the individuality of the polarities of an isomorphous series and the chemistry of the species." (p. 75)

Nevertheless, the treasures in this volume are scarcely corroded by such verbiage, and you (or your library) should buy it.

WILLIAM T. HOLSER
University of Oregon

NOTICES

A member, who has no further need for them, is offering 10 volumes (1965-1975) of *The American Mineralogist* to an institution which can use them. Please contact the Editorial Office if you are interested.

Career Planning Program

The Women Geoscientists Committee (WGC) of the American Geological Institute (AGI) has prepared a *Career Planning Program* which consists of a thirty-minute color slide show with accompanying script on career opportunities in academic institutions, government, and industry. The presentation includes a summary of AGI-WGC employment statistics, comments and suggestions from women geoscientists and a view of a variety of career paths. It is directed to upper-level undergraduate and graduate women students primarily. However, the Committee encourages anyone who wants to modify this program for use in high school or community career programs to do so.

Those wishing to borrow the program, should contact:

William H. Matthews III
Director of Education
American Geological Institute
Box 10031, Lamar University Station
Beaumont, Texas 77710

Abstractors Needed

Dr. R. V. Dietrich, who has succeeded Marjorie Hooker as the North American organizer for *Mineralogical Abstracts*, is asking for volunteers to help with the regular abstracting of mineralogical journals. Interested persons are asked to write to Dr. Richard V. Dietrich, Department of Geology, Central Michigan University, Mount Pleasant, Michigan 48859.

The U.S. National Mineral Collection

The mineral collections of the National Museum of Natural History, Smithsonian Institution, among the largest in the world, are readily available to, and used by, the scientific community.

The museum maintains, in addition to the National study and exhibit collections, a repository for *type* and *described* mineral specimens, *i.e.*, those from which data have been gathered, and usually published. The *type* collection presently contains over 500 mineral species and the number of *described* mineral specimens presently exceeds 4700 specimens.

Preservation of the minerals for which analytical data of any form exist is a concern of all of us, for the data are far less significant when they cannot be verified, amended, or enhanced by subsequent, perhaps more sophisticated, studies. For the betterment of mineralogy, minerals described in published papers should not be deposited in drawers or cabinets by the authors and sub-

sequently forgotten. Just as it is important to publish our research and disseminate knowledge, so also is it important to see to it that the specimens involved are preserved. Thus, authors are strongly encouraged to send all analyzed or otherwise described mineral specimens to the Division of Mineralogy, National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560. Acknowledgement of receipt will be by letter, and the specimens will be carefully curated. Postage franks are available upon request. In turn, the museum will continue to do its best to furnish research materials to the scientist upon written request.

We ask you, the responsible research mineralogist, to help us build the U.S. National Mineral Collection for the generations who will follow us. A photocopy of this page in a prominent place will be a helpful reminder. Thank you.

PETE J. DUNN
Smithsonian Institution

Announcement

Carl A. Francis has been appointed Curator in the Mineralogical Museum of Harvard University as of July 1, 1977. Mr. Francis, who received his A.B. from Amherst College in 1971 and who will soon receive his Ph.D. in mineralogy and crystallography from Virginia Polytechnic Institute and State University, will be responsible for the professional direction of the Museum formerly carried on by Dr. Clifford Frondel, now Professor Emeritus.

Inquiries and correspondence should be addressed to Mr. Francis at: Mineralogical Museum, Harvard University, 24 Oxford Street, Cambridge, Massachusetts 02138. Telephone: (617) 495-2356.

15th Annual short summer course in X-ray powder diffraction

The 15th annual two-week short course in modern X-ray powder diffraction will be offered at the State University of New York at Albany from June 19 to June 30, 1978. The course will be instructional and will develop the basic theory and techniques with practical applications starting from elementary principles. No previous knowledge or experience is required. The first week will cover basic principles, techniques, and practical applications, and the second week will continue with further fundamentals and practical applications. Emphasis in the first week will be on camera and film techniques; X-ray instrumentation, especially the diffractometer and its use; identification of powder patterns and multi-phase identification using the several indices; and fundamentals of quantitative analysis. The second week will cover more advanced principles and techniques with emphasis on diffractometer alignment, complex quantitative analysis, computer-assisted search-match of complex powder patterns, and other topics in depth. Equal time will be devoted to lectures and laboratory-problem-solving sessions. A suitable amount of time will be set aside for individual

problems. Registration may be made for one week, either week, at a registration fee of \$400.00 or for the entire two-week session at a registration fee of \$750.00 payable in advance in U. S. dollars drawn on a U. S. bank. For further information and to register please communicate with:

Professor Henry Chessin
State University of New York at Albany
Department of Physics
1400 Washington Avenue
Albany, New York 12222

(518) 457-8339
457-8308

15th annual short summer course in X-ray spectrometry

The 15th annual short course in modern X-ray spectrometry will be offered at the State University of New York at Albany from June 5 to June 16, 1978. The course will be instructional and will develop the basic theory and techniques starting from elementary principles. No previous knowledge or experience is required. The first week will cover basic principles, techniques, and practical applications, and the second week will continue with further fundamentals and practical applications. Both weeks will illustrate and employ equally the wave-length-dispersive and energy-dispersive methods. Emphasis in the second week will be placed on advanced principles and techniques, absorption-enhancement corrections by several procedures including mathematical methods, computer calculations, and computer automation of modern X-ray spectrometers. Equal time will be devoted to lectures and laboratory-problem-solving sessions. A suitable amount of time will be set aside for individual problems. Registration may be made for one week, either week, at a registration fee of \$400.00 or for the entire two-week session at a registration fee of \$750.00 payable in advance in U. S. dollars drawn on a U. S. bank. For further information and to register please communicate with:

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Albany, New York 12222

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Set 27 of the Powder Diffraction File

This year, the Powder Diffraction File features Set 27 which

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For a descriptive brochure, write to:

JCPDS—International Centre
for Diffraction Data
1601 Park Lane
Swarthmore, Pennsylvania 19081

IMA/COM Quantitative Data File: First Issue (Edited by N. F. M. Henry, London, June, 1977)

Published by the Commission on Ore Microscopy (COM) of the International Mineralogical Association (IMA).

Publication Agents: The Applied Mineralogy Group of the Mineralogical Society, 41 Queen's Gate, London SW7 5HR, England (editorial enquiries)

Commercial Agents: McCrone Research Associates Ltd., 2 McCrone Mews, Belsize Lane, London NW3 5BG, England

Note: This file consists of 200 cards covering 159 ore minerals and containing spectral reflectance and micro-indentation hardness values. The cards are of A5 size and are not boxed, but packed in a soft bag. Outside Great Britain and the European Zone, postage may be by sea or by air mail, and attention should be paid to this in purchasing. To purchase, please send £10 (in sterling) plus postage to the Commercial Agents in London, and the Data File will be sent by return, along with a copy of the Introduction. The postage rates (£ sterling) are:

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