BOOK REVIEWS

KLOCKMANN'S LEHRBUCH DER MINERALOGIE. Eleventh Edition, revised by P. RAMDOHR. Octavo XII+625 pages, with 613 illustrations. Ferdinand Enke, Stuttgart, **1936.**

This standard German mineralogy has served as a valuable reference work for nearly forty years for students of and workers in the science. Since 1912, however, it has undergone but few changes. In this revision, which was made by Professor Paul Ramdohr of the University of Berlin, the text has been completely rewritten and brought up to date.

In the main, the arrangement of the Eleventh Edition adheres rather closely to that of the earlier ones. Following a brief, introductory chapter of four pages, the book is divided into two parts: Part One, General Mineralogy, and Part Two, Special or Descriptive Mineralogy. In Part One, crystal forms, the internal structure of crystals and methods of investigation, general physical properties, chemical mineralogy and crystallography, formation of minerals, ore deposits, paragenesis, and the technical and industrial uses of minerals are discussed. It is in this portion of the book that the many changes which have been made are most noticeable. In Part Two, minerals are arranged according to the admirable Groth-Mieleitner classification. Although the descriptions are, in general, relatively brief, they appear to be quite adequate.

The revision has been carried out effectively by Professor Ramdohr, and in its present form Klockmann's "Mineralogie" will undoubtedly prove to be as popular as were the earlier editions.

EDWARD H. KRAUS

J. C. POGGENDORFF'S BIOGRAPHISCH-LITERARISCHES HANDWÖRTERBUCH FÜR MATHEMATIK, ASTRONOMIE, PHYSIK MIT GEOPHYSIK, CHEMIE, KRISTALLOGRAPHIE UND VERWANDTE WISSENSGEBIETE. Band VI: 1923–1931. Part 1 (A–E), 696 pages. Verlag Chemie, G.M.B.H., *Berlin*, **1936.** Price for each part is RM 85, in paper cover; when ordered in advance RM 76.50.

This exceedingly comprehensive Manual contains complete data relative to the life and works of scientists in the numerous fields listed above. Volume 6 deals with the period covering 1923–31. It will appear in four parts of which Part 1 (A–E) is now available. Part 2 (F–K) is in print and will be published this fall; Part 3 (L–R) and Part 4 (S–Z) are in preparation and will be printed in the summers of 1937 and 1938, respectively.

Some idea of this vast undertaking can be obtained from the statement that over 3500 periodicals are being abstracted in the preparation of this Handwörterbuch and when completed it will contain references to 8000 scientists of all nations. As an accurate and complete reference work this Manual is indispensable.

W. F. H.

PROCEEDINGS OF SOCIETIES

MINERALOGICAL SOCIETY OF AMERICA

It is planned to hold the seventeenth annual meeting of the Mineralogical Society of America, December 28th to 30th, at Cincinnati, Ohio. Arrangements are being made by the local committee in Cincinnati to care for members of the Society. Further information regarding the meeting will be mailed to the members of the Society about October first.

PAUL F. KERR, *Secretary*

PHILADELPHIA MINERALOGICAL SOCIETY

Academy of Natural Science of Philadelphia, May 7, 1936

Mr. H. W. Arndt presided at a stated meeting of the Philadelphia Mineralogical Society, 39 members and 51 visitors being present.

Mr. Richmond E. Myers of Bethlehem, Pa., addressed the society on "Minerals and Mineral Collecting in Norway and Spitzbergen," giving a detailed description of his experiences on several trips to these famous mining and mineral regions. Motion pictures and specimens illustrated the talk.

Albert Jehle exhibited green and blue vivianite crystals from Mullica Hill, N.J., also pyrite, brown garnet, rhodonite, red and green willemite and graphite from Franklin Furnace, N.J. Mr. Myers stated that the Midtown-Manhatten tunnel dumps were being taken to Long Branch and dumped in the Ocean. Barges tied up near the railroad station are accessible to mineral collectors. E. H. Cienkowski reported that the machinery was being removed from Moores Station quarry, but Lambertville trap rock quarry is working. He found traces of apophyllite at Stockton quarry; limonite pseudomorph after pyrite 1″ in each dimension and limonite geodes at Oreland, Pa., also hematite plentiful at Edge Hill, Pa.

W. H. FLACK, *Secretary*

NEW YORK MINERALOGICAL CLUB

American Museum of Natural History, New York City, May 20, 1936

President B. T. Butler presided at a stated meeting with 77 members and guests present. In the business meeting it was decided to assemble all of the available data from the past history of the club, in anticipation of the fiftieth anniversary celebration next fall.

The first speaker of the evening was F. H. Pough, who spoke on "Crystallographic Notes on Powellite and Augelite." He described some of the investigations being carried on at the American Museum, showing drawings of crystals of these minerals with some new forms. The new forms on powellite were: 113 (previously observed only on artificial crystals), 137, 317, 319, 123, 213, and 323, all on crystals from Tonopah, Nevada, and 131 on a crystal from the old Michigan locality. Augelite crystals from Mono Co., Cal., were shown, on which the following new forms were discovered: 130, 210, 310, 510, 104, 114, 113, 334, 111, 221, 331, and $\bar{1}21$. Unusual features on 001 and $\bar{1}01$ were shown in photomicrographs of etch pits and accessories on these forms. New angle-tables for use with the two-circle goniometer for both of these minerals were shown; with changed elements and new angles as had been shown to be necessary in the case of powellite.

The second speaker of the evening was Dr. A. C. Hawkins, who addressed the club upon "Mineral Collecting in Georgia." Dr. Hawkins has recently returned from work in this region, in the course of which he was able to visit many mineral localities. Among his more interesting finds were zoisite from the vicinity of Stone Mt., hyalite from the same region, collected after dark with the aid of a portable ultra-violet light projector, differentially coated quartz crystals from La Grange, kaolin from Macon, and staurolite, talc and marble from near Fanning. The talk was illustrated with lantern slides of some of the localities and a series of views of the Birmingham, Alabama, iron mines.

F. H. POUGH, *Secretary*