

REVIEWS

MINERALOGY, AN INTRODUCTION TO THE STUDY OF MINERALS AND CRYSTALS. EDWARD H. KRAUS AND WALTER F. HUNT. Second edition, 604+ix pp., 766 illustrations. McGraw-Hill Book Co., Inc., *New York*, 1928. Price \$5.00.

This standard work on mineralogy, always excellent, has been rendered even more so in the present edition. It is notable for its clear print, few typographical errors, and its illustrations are for the most part excellent; altho a few of them might be made clearer, especially for the observation of beginning students. The photographs of wooden crystal models, always a desirable feature, have been retained and more added, together with more illustrations of mineral specimens, and a number of cuts of mining and mineral localities, which add much to the attractiveness and value of the book. Altogether there are 70 new cuts, which bring the total of the illustrations to 766. All of the chapters have been changed; the old ones have been expanded and brought up to date to include the new data accumulated during the eight years since the publication of the first edition; the classification of the minerals according to useful elements has been revised and modernized; new and complete chapters appear, dealing with crystal structure and X-ray analysis.

This book, written by university teachers of wide experience, breadth of view, and close contact with the rapid technical progress of the world today, is very desirable from the instructor's viewpoint. One could but wish that other authors of works on this and related subjects would revise their works with similar happy results.

ALFRED C. HAWKINS

PROCEEDINGS OF SOCIETIES

NEW YORK MINERALOGICAL CLUB

Minutes of the December Meeting

A regular monthly meeting of the New York Mineralogical Club, attended by thirty-five members, was held on the evening of December 19, 1928, with President Herbert P. Whitlock in the chair. By special invitation the meeting was held at the home of Dr. I. W. Drummond, a member of the Club, in New York City.

Messrs. Randolph Hawthorne and Albert E. Tarbox, both of Scarsdale, N. Y., were elected to membership.

Dr. I. W. Drummond addressed the Club on the subject of "*Jade and Amber.*" After briefly discussing the occurrence and nature of these two materials, he exhibited and explained to the members his large collection of carved jade, amber objects and other minerals. Noteworthy features of the exhibit were a number of articles of "tomb jade" of archaeological interest, an unusual collection of Burmese amber, and a series of quartz "water geodes" (some in the matrix) from South America. In addition to these the members examined scores of beautiful objects of carved and polished jade, quartz, tourmaline, and beryl.

The meeting adjourned with a vote of thanks to Dr. Drummond in appreciation of his hospitality.

HORACE R. BLANK, *Secretary*

NEW YORK MINERALOGICAL CLUB

Minutes of the January Meeting

A regular monthly meeting of the New York Mineralogical Club was held at the American Museum of Natural History on the evening of January 16, 1929, with an attendance of 32 members. Second Vice-President George E. Ashby presided in the absence of the president.

Dr. Olaf Anderson, of Kearny, N. J., and Messrs. E. J. Gallagher, Newton Krumdieck, Lewis J. Warshaw, and Mrs. Nellie Barrett Olson, all of New York City, were elected to membership.

The speaker of the evening was First Vice-President Frederick I. Allen, who addressed the Club on "*Chemistry in Mineral Determination.*" After reviewing the advantages of chemical methods of determination, he described Fresenius's analytical classification of the elements as a basis for their separation and detection. Mr. Allen then demonstrated a number of qualitative tests for the detection of certain metals, including tin, gold, copper, iron, nickel, and titanium. Methods of bringing minerals into solution, bead tests, and the quantitative removal of certain elements such as silicon and aluminum were also touched upon.

The meeting adjourned with a vote of thanks to the speaker for his interesting talk and experiments.

HORACE R. BLANK, *Secretary*

NEWARK MINERALOGICAL SOCIETY

The Newark Mineralogical Society held its 103rd regular meeting on Sunday afternoon, January 6, 1929, in the library of the Newark Technical School, 367 High Street. Vice-President John A. Grenzig presided until the arrival of President Broadwell.

The notice sent out by Secretary Rodney B. Miller called for an old style meeting open to a general discussion of vital matters. Reports were presented by the various standing committees, suggestions offered relating to electing the President for a two-year period instead of annually, making the initiation fee one dollar and the dues two dollars, payable semi-annually.

A special meeting will be held at the Newark Museum on Sunday afternoon, January 20th, to inspect the Goetzke Gem Collection on the first floor and the Disbrow and other mineral collections on the third floor of the museum building.

The making of arrangements for this meeting was placed in the hands of the Publicity Committee. The same committee will take up with the Newark Public Library the purchasing of additional books, pamphlets and papers devoted to minerals and the study of mineralogy.

At the 104th regular meeting on February 3rd the members will have on exhibition recent acquisitions to their collections.

R. B. MILLER, *Secretary*