

BOOK REVIEW

TABLES FOR THE DETERMINATION OF MINERALS BY MEANS OF THEIR PHYSICAL PROPERTIES. Second Edition. Edward H. Kraus and Walter F. Hunt, IX+261 pages. McGraw-Hill Book Co., *New York*, \$3.00.

This second edition of the above tables contains 250 mineral species, which number is quite large enough to include all the important ore and rock-forming minerals and yet not enough to over-load the tables, thus complicating their use and confusing the individual.

The arrangement is well thought out and practical. The descriptions are concise and to the point.

Color, the most variant of the physical properties of non-metallic minerals, has been carefully considered, and the variations, even when rare, are put in their proper places. Particularly useful are the remarks under Characteristics and Associates. Also there has been added a table arranged according to their specific gravity, including the chemical formula of each species.

With the instructions in the introduction and the glossary, even the inexperienced in mineralogy should quickly learn to use the tables successfully.

A. H. PHILLIPS

PROCEEDINGS OF SOCIETIES

NEW YORK MINERALOGICAL CLUB

Minutes of the November Meeting.

A regular meeting of the New York Mineralogical Club, with 63 members present, was held at the American Museum of Natural History on the evening of Nov. 19, 1930, with President Frederick I. Allen in the chair.

Mr. James A. Taylor of Glen Ridge, N.J.; Dr. R. B. Sosman and Mr. H. C. Lee of Kearny, N. J.; Mr. William Casperson of Paterson, N. J.; and Mr. E. J. Rouy of Clifton, N. J. were elected to membership.

A report was made of the Election Day field trip of the Club to the quarry at West Paterson, N. J. The excursion was largely attended and unusually successful, eighteen species of minerals being reported as found.

A number of old books on mineralogy were exhibited and discussed by various members.

The address of the evening was delivered by Professor Alfred C. Hawkins of Rutgers University. His subject dealt with the appearance of crystals of various types under the microscope. He mentioned a number of interesting simple and twinned crystals, observed during various studies of organic and inorganic chemical compounds, and then proceeded with a brief discussion of the common rock-forming minerals as seen in thin sections of rocks.

Special attention was given to a mineral found at West Paterson, which shows the characteristics of strontianite, and to the interesting crystal habits of polyhalite.

The lecture was illustrated by means of lantern slides from photomicrographs. A rising vote of thanks was extended to the speaker.

JAMES F. MORTON, *Secretary*

NEWARK MINERALOGICAL SOCIETY

ANNUAL REPORT OF THE SECRETARY

Newark, N. J., November 2, 1930.

To the Members of the Newark Mineralogical Society:

Ladies and Gentlemen:—

The Annual report of the Secretary of the Newark Mineralogical Society is presented. This report covers the fiscal year beginning November 3, 1929, and ending November 2, 1930, and includes such facts as the secretary thinks will be of interest to the members.

1. MEMBERSHIP

There were on the roll of members, November 3, 1929.....	85
Admitted to membership during the year.....	8
Total	93
Lost to the roll—Resigned.....	1
Died.....	1
Dropped.....	2
Total deductions from the roll	4
On the roll November 2, 1930.....	89

2. OFFICERS AND TRUSTEES

At the annual meeting of November 3, 1929, the following officers were elected.

- President—John A. Grenzig of Brooklyn, N. Y.
- Vice-president—George E. Carpenter of Newark, N. J.
- Secretary—Herbert L. Thowless of Newark, N. J.
- Treasurer—Herman M. Lehman of Newark, N. J.

To complete the Board of Trustees, Mrs. Victor C. Gilbert of Newark was elected, for three years.

The Board comprises the four officers; Mr. Charles W. Hoadley, whose term will expire in November, 1930; Mr. Paul Walther, whose term will expire November, 1931 and Mrs. Victor C. Gilbert, whose term will expire November, 1932.

3. COOMITTEES

The president appointed the following committees:

Membership

- Herbert L. Thowless, Chairman
- Richard P. Milburn
- George E. Carpenter
- Josephine Morlock
- Paul Walther

Program

- John A. Grenzig

Publicity

- Herbert L. Thowless

Outings

- All members of the Society.

4. MEETINGS AND PROGRAMS

During the past year, the Society held eight business and program meetings. A brief mention of each meeting and the special program will be of interest.

107th. meeting, November 3, 1929. This was also the annual meeting. The program consisted of a fine talk on "*The Minerals of Franklin, New Jersey*," by Mr. L. H. Bauer, of the chemical department of the New Jersey Zinc Company. The talk was illustrated with many fine specimens from Franklin.

108th. meeting, December 1, 1929. A regular business meeting, with 22 members and 2 guests present. The program consisted of a "*Symposium on Agates*," well illustrated. Mr. Paul Walther; Mr. Louis Reamer; Mr. Charles W. Hoadley; Mr. Carl Dauterman; Mr. Manyard; Mr. Algor; Mr. Thowless; Dr. Schroeder and the President took part.

109th. meeting, January 5, 1930. General business meeting. The program consisted of a very interesting talk by Mr. J. W. Radu on "*Misrepresentation of Gems and Minerals*," illustrated by specimens of emerald, garnet and other gems. Exhibitions of specimens were made by Dr. Schroeder, Mr. Walther and the President. Mr. Hoadley spoke on the "faking" of minerals and Mr. Allen on the index of refraction of minerals. Nineteen members and 3 guests were present.

110th. meeting, February 2, 1930. Business session devoted partly to the matter of the cleaning of the minerals at the Newark Technical School. The minerals were later cleaned and classified. The program consisted of a paper on "*Calcite*" by Dr. Schroeder. Mr. Allen also explained the planes and axes of calcite. Specimens were exhibited by Mr. Manyard and the President. Fifteen members and 1 guest in attendance.

111th. meeting, March 2, 1930. The program, following the business session, consisted of a talk on the "*Minerals of New Jersey*" by William H. Broadwell. Mr. Broadwell spoke about the minerals of 27 localities and exhibited specimens from each locality. Brief talks on other mineral localities followed, with exhibitions of specimens. Thirteen members and 3 guests were present.

112th. meeting, April 6, 1930. Short business session, followed by a talk on the "*Minerals of the Constitution State*" by Mr. Charles W. Hoadley. The speaker exhibited specimens from Connecticut. Fifteen members and 10 guests were present.

113th. meeting, May 4, 1930. Short business session followed by a most excellent talk on "*Crystallography*" by Mr. Frederick I. Allen. The speaker made use of models to illustrate the various forms. Twelve members and 5 guests were present.

114th. meeting, October 6, 1930. The business session was followed by short descriptive talks by a number of the members, together with an "*Exhibition of Minerals Collected During the Summer*." Among the members who described specimens were Mr. Bates; Mr. Carpenter; Mr. Reamer; Mr. Walther; Dr. Hawkins and the President. Fourteen members and 4 guests were present.

5. PROGRAMS AND HIKES

No programs on a large scale were undertaken during the past year and the Outing Committee was not able to arrange for any outdoor trips. It is hoped that the coming year will see more activity along these lines of Society work. Many localities are now closed, or no specimens can be found, or else they are too far away for the members to make the necessary trips.

Respectfully submitted,

HERBERT L. THOWLESS, *Secretary*