The idea of hemihedrism has been completely dropped. Only eleven crystal classes are discussed in detail but a summarizing table of the thirty-two is given. The stereographic and gnomonic projections and the Stöber method of crystal drawing have been omitted but a brief discussion of the work of Laue and the Braggs has been added. It does not seem logical to present crystal measurement and drawing before taking up the crystal forms nor to use only the Miller indices in a text intended for beginners.

Dispersion, rotary polarization and optical anomalies have been dropped but the fundamental optical properties are more fully described. The descriptive portion now includes only 175 instead of 200 minerals. A distinct improvement has been made in the determinative tables, especially those based upon physical properties.

A reader will hardly see the justification of the new title "Study of Minerals and Rocks," as only a portion of a 45 page chapter on the Occurrence, Association and Origin of Minerals is devoted to the study of rocks.

C. B. S.

PROCEEDINGS OF SOCIETIES

PHILADELPHIA MINERALOGICAL SOCIETY

Academy of Natural Sciences, March 9, 1922

A stated meeting of the Philadelphia Mineralogical Society was held on the above date with the president, Mr. Trudell, in the chair. Fourteen members and one visitor were present.

Upon the recommendation of the executive council Messrs. Horace R. Blank and Bernard McQue were elected active members.

The program of the evening comprised an exhibition of the three best mineral specimens of each member. Notable exhibits were made by Messrs. Vaux, Frankenfield, Knabe, Boyle, Gordon, and Trudell.

Mr. Gordon described briefly a crystallographic study of wavellite from Bolivia, Pennsylvania, Arkansas, and Bohemia, with a number of new forms. Specimens were exhibited. A Nutting mercury vapor arc with blue, green, and yellow filters for the production of monochromatic light was shown.

SAMUEL G. GORDON, *Secretary.*

NEWARK MINERALOGICAL SOCIETY

The fiftieth regular meeting was called to order by President Walther, fifteen resident members and thirteen members from the New York Mineralogical Club were present; also one visitor.

The application of Miss Martha S. Thompson was received and referred to the proper committee. The secretary then passed around for inspection a design for a club pin and was instructed to procure 50, as per sample, for the members.

A motion was then made and carried that further business be dispensed with and to proceed with the paper for the day, which was on "Molybdenum and Its Ores," by Wm. H. Broadwell. Mr. O. I. Lee then followed with the "Chemistry of Molybdenum."

Mr. Broadwell had on exhibit 200 specimens of Australian ores; Mr. Walther, Mr. Reamer and Mr. T. I. Miller also exhibited many fine specimens.

WM. H. BROADWELL, *Secretary.*