

Friederick Kolbeck was responsible for the sixth to the thirteenth (1923) editions. The book is dedicated to these mineralogists who pioneered in this method for the determination of minerals.

There are also helpful determinative tables based on (1) morphological features, pp. 168-184, supplemented by 289 crystal drawings; (2) chemical properties, pp. 185-218; and (3) microscopic-optical properties, pp. 219-236. The various terms, properties, and methods used in the

tables are amply explained in the Introduction, pp. xi-xxvii, which also includes a rather extensive bibliography. There is a good index.

The author has brought together in a single volume very useful tables for the rapid determination of minerals.

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## Books Received

*The undermentioned works have been received by the Editors. Mention here does not preclude review at a later date.*

**Gmelins Handbuch der anorganischen Chemie. Schwefel A2.** Pp. 450. Weinheim/Bergstrasse: Verlag Chemie. 8th ed. 1953. Price DM. 244.

**Gmelins Handbuch der anorganischen Chemie. Schwefel B1.** Pp. 372 with 45 figs. Weinheim/Bergstrasse: Verlag Chemie. 1953. Price DM. 204.

**General Chemistry.** By L. PAULING. Pp. xii+710 with 193 figs. and 2 plates. San Francisco: Freeman. 2nd ed. 1953. Price \$6.00; 51s.

**Organic Crystals and Molecules.** By J. M. ROBERTSON. Pp. xi+340 with 132 figs. Ithaca: Cornell University Press; London: Geoffrey Cumberlege. 1953. Price \$5.00; 32s. 6d.

**Tafeln zum Bestimmen der Minerale nach äusseren Kennzeichen.** By H. v. PHILIPSBORN. Pp. xxvii+244 with 289 figs. Stuttgart: Schweizerbart'sche Verlagsbuchhandlung. 1953. Price DM. 17.

**The Crystalline State. III. The Determination of Crystal Structures.** By H. LIPSON and W. COCHRAN. Pp. ix+344 with 305 figs. and 9 plates. London: Bell. 1953. Price 50s.

**Dislocations in Crystals.** By W. T. READ, JR. Pp. xvii+228 with many figs. New York; Toronto; London: McGraw-Hill. 1953. Price \$5.00; 36s.

**Structure Reports for 1945-1946.** Edited by A. J. C. WILSON, C. S. BARRETT, J. M. BIJVOET and J. M. ROBERTSON. Pp. viii+325 with many figs. Published for the International Union of Crystallography. Utrecht: N.V. A. Oosthoek's Uitgevers Mij. 1953. Price 45 Dutch florins.

**Structure and Properties of Solid Surfaces.** Edited by R. GOMER and C. S. SMITH. Pp. xiii+491 with many figs. and tables. Chicago: University Press. 1953. Price \$8.50.

**Solution of the Phase Problem. I. The Centrosymmetric Crystal.** A. C. A. Monograph No. 3. By H. HAUPTMAN and J. KARLE. Pp. xvi+87. Wilmington: American Crystallographic Association. Price \$1.50.

**Twinning and Diffusionless Transformations in Metals.** By E. O. HALL. Pp. ix+181 with 97 figs. and many tables. London: Butterworths. 1954. Price 30s.

**Les Constantes Physiques des Composés Organiques Cristallisés.** By J. TIMMERMANS. Pp. 556 with 80 figs. and many tables. Paris: Masson. 1953. Price Frs. 5,200.

**Dislocations and Plastic Flow in Crystals.** By A. H. COTTRELL. Pp. x+223. Oxford: University Press. 1953. Price 25s; \$5.00.