

more to those, already possessing some knowledge of crystal optics, who wish to develop their acquaintance with scientific German.

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Moderne Allgemeine Mineralogie (Kristallographie). By W. NOWACKI. Pp. viii + 64. Brunswick: Vieweg. 1951. Price DM. 5-80.

In 64 pages the author gives a fluid and stimulating survey of the morphology, physics and chemistry of crystals. The booklet is intended for students and scientists

who want to learn what lines of investigation form the subject of crystallography, what its modern methods are, and upon what other sciences crystallography closely impinges. Each of the three lines of research mentioned above is given an average of 20 pages. Text and diagrams—the latter well chosen from other sources—go some way in giving explanations, but, naturally, can mostly achieve no more than a suggestive description. Some conscientious readers will, of course, find this conducted tour unsatisfactory, but the larger class of readers to whom the book is addressed and who wish to gain only a general picture of crystallography, its methods and its results, will find this condensed and descriptive introduction well worth reading.

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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. Arsen. Pp. xv+475, with 20 figs. Weinheim/Bergstrasse: Verlag Chemie. 8th ed. 1952. Price DM. 140.

Gmelins Handbuch der anorganischen Chemie. Magnesium A4. Pp. 336, with 96 figs. Weinheim/Bergstrasse: Verlag Chemie. 8th ed. 1952. Price DM. 100.

Fouriersynthese von Kristallen und ihre Anwendung in der Chemie. By W. NOWACKI. Pp. 237, with 120 figs. and 28 tables. Basel: Birkhäuser. 1952. Price 34-30 Swiss francs.

Chemische Analyse der Gesteine und silikatischen Mineralien. By J. JAKOB. Pp. 180, with 10 figs. Basel: Birkhäuser. 1952. Price bound 18-70 Swiss francs.

Imperfections in Nearly Perfect Crystals. Edited by W. SHOCKLEY, J. H. HOLLLOMON, R. MAURER and F. SEITZ. Pp. xii+490. New York: Wiley; London: Chapman and Hall. 1952. Price \$7-50.

Moderne Allgemeine Mineralogie (Kristallographie). By W. NOWACKI. Pp. viii+64. Brunswick: Vieweg. 1951. Price DM. 5-80.

The System of Mineralogy. Volume II. By the late J. W. DANA and the late E. S. DANA, entirely rewritten and greatly enlarged by C. PALACHE, the late H. BERMAN and C. FRONDEL. Pp. x+1124, with many figs. New York: Wiley; London: Chapman and Hall. 7th ed. 1952. Price \$15-00; 120s.

Dana's Manual of Mineralogy. Revised by S. HURLBUT, Jr. Pp. viii+530, with 471 figs. New York: Wiley; London: Chapman and Hall. 16th ed. 1952. Price \$6-00; 48s.

Principles of Geochemistry. By B. MASON. Pp. ix+276, with 42 figs. New York: Wiley; London: Chapman and Hall. 1952. Price \$5-00; 40s.

Grundriss der Kristallchemie. By J.-E. HILLER. Pp. vii+307, with 209 figs. and 72 tables. Berlin: de Gruyter. 1952. Price DM. 36.

Schwingende Kristalle. By L. BERGMANN. Pp. 51, with 51 figs. Leipzig: Teubner. 1951. Price DM. 2-10.

A Thousand and One Questions on Crystallographic Problems. By P. TERPSTRA. Pp. 195, with many figures and tables. Groningen: Wolters. 1952. Price 24s.

Tabellen zur optischen Bestimmung der gesteinsbildenden Minerale. By W. E. TRÖGER. Pp. xi+147, with 256 figs. and 17 tables. Stuttgart: Schweizerbart'sche Verlagsbuchhandlung. 1952. Price DM. 27-80.

Erzmikroskopisches Praktikum. By H. SCHNEIDERHÖHN. Pp. xii+274, with 113 figs. and 39 tables. Stuttgart: Schweizerbart'sche Verlagsbuchhandlung. 1952. Price DM. 40-60.

X-ray Crystallographic Technology. By A. GUINIER, translated from the French by T. L. TIPPELL and edited by K. LONSDALE. Pp. xiii+330, with 18 plates and many diagrams. London: Hilger and Watts. 1952. Price 56s.