

## BOOK REVIEWS

HINTZE (CARL) [1851–1916]. *Handbuch der Mineralogie*. CHUDOBA (Karl F.). *Ergänzungsband III: Neue Mineralien und Neue Mineralnamen (mit Nachträgen, Richtigstellungen und Ergänzungen)*. Berlin (Walter de Gruyter & Co.), 1965–67, Lief. 1–4, pp. vii + 1–515.

Since the last review relating to Chudoba's additions to Hintze's 'Handbuch der Mineralogie' (M. H. Hey, *Min. Mag.* 1959, vol. 32, p. 259), *Ergänzungsband II* and index has been completed. *Erg. III* follows the same general plan, with *Teil I* (Lief. 1–3) containing full descriptions of new minerals and new mineral names, together with new data for established minerals. *Lief. 4* contains *Teil II–IV*; *Teil II* is a most useful collation of data for unnamed species arranged in chemical classes; *Teil III* is a listing of newly defined (as opposed to newly described) and redefined species, with the new data; and *Teil IV* contains details of discredited species.

There is no indication that *Erg. III* will receive more than an index to complete it, and Chudoba has again put us in his debt for an admirably up-to-date summary of recent work in systematic mineralogy that saves the labour of digging steadily backwards through the literature.

P. G. EMBREY

BURRI (C.), PARKER (R. L.), and WENK (E.). *Die optische Orientierung der Plagioklase*. Birkhäuser Verlag, Basel and Stuttgart, 1967. 334 pp., 61 text figs., and 17 plates. Price 78 Swiss francs.

In this volume the authors (with the assistance of H. R. Wenk) have compiled the most complete description of the complex optical properties of the plagioclase feldspars that is presently available, and for this service they deserve the gratitude of all who have cause to study this ubiquitous mineral group.

The book is divided into four sections. The first (by Burri) deals with the historical development of the subject, ranging from the earliest optical descriptions up to the work of the last decade by Tertsch, van der Kaaden, Burri, Marfunin, and Kano, and also includes a systematic exposition of the intricacies of plagioclase twinning. The second part (Methods, by Parker) sets out the angles used in plagioclase determination by Federov, Becke, and Goldschmidt together with various