

mineralogists. Thus, in one paper it is suggested that halloysite is not tubular in nature but that the tubes are artifacts formed on drying, in another that pure montmorillonite may contain two distinct entities differing in charge, and in another that the clay minerals found in deposits depict the source conditions rather than the deposition conditions. Such physical subjects as the surface charge on montmorillonite and the density of montmorillonite pastes, as well as such practical aspects as the stratigraphical associations of clay minerals and the alteration of clay minerals in sea water, are also treated. The volume clearly reflects the vast amount and the wide scope of current American investigations on clays. Each paper is provided with a concise summary that truly indicates the scope of the paper and the conclusions reached—a very refreshing change from the type of summary so often presented. The electron micrographs reproduced are in general excellent, although a few seem to be hardly up to the previous high standard of this series. One misses any account of discussion on the various papers, but the general quality of the book more than makes up for this deficiency; a brief but adequate index is provided. The volume is excellently produced and is, indeed, a pleasure to handle. The Editor is to be congratulated on the high standard obtained, and the Committee on providing a book no clay mineralogist can afford to be without.

R. C. MACKENZIE

KRAUS (Edward Henry), HUNT (Walter Fred), & RANSDALL (Lewis Stephen). *Mineralogy. An Introduction to the Study of Minerals and Crystals*. London (McGraw-Hill Book Co., Inc.), 5th edn, 1959, x+686 pp. Price 70s.

The general arrangement, chapter headings, and much of the subject matter and illustrations of this very well produced text-book are the same as in the third edition [1936; M.A. 6-289], but the text has been reset with many minor alterations and some of the less satisfactory figures have been dropped. The book well deserves its continued popularity.

M. H. H.

HINTZE (Carl) [1851-1916]. *Handbuch der Mineralogie*. CHUDOBA (Karl F.). *Ergänzungsband II: Neue Mineralien und neue Mineralnamen (mit Nachträgen, Richtigstellungen und Ergänzungen)*. Berlin (Walter de Gruyter & Co.), 1955-9, Lief. 6-9, pp. 401-728. Price, Lief. 6 & 7 DM. 22 each, Lief. 8 DM. 28, Lief. 9 DM. 26.

In the sixth part the alphabetical review of new minerals, new mineral