

BOOK REVIEWS

COLLINS (J. H.). *A Handbook to the Mineralogy of Cornwall and Devon*. Truro (D. Bradford Barton, Ltd.), 1969 (facsimile reprint of 2nd edition, 1892). 188 pp., 10 pls. Price 48s.

Although thoroughly out of date, this work remains the most recent detailed account of the minerals of Cornwall and Devon and its reissue is most welcome. The second edition was itself a reissue of the 1871 first edition, with addenda.

Later additions to the minerals known from Cornwall and Devon are listed by L. J. Spencer (*Min. Mag.* 1958, **31**, 787–810), in the indexes of recent volumes of the *Mineralogical Magazine* and of *Mineralogical Abstracts*, and are to be expected in a forthcoming issue of the Transactions of the Royal Geological Society of Cornwall.

Mr. Barton is to be commended for his continuing enterprise in publishing both new and old works on all aspects of the mining region of south-west England.

P. G. EMBREY

ROGERS (CEDRIC). *A Collector's Guide to Minerals, Rocks and Gemstones in Cornwall and Devon*. Truro (D. Bradford Barton, Ltd.), 1968. 49 pp., 32 figs., 9 sketch maps. Price 8s. 6d. (\$1.25).

This excellent booklet is intended mainly for interested amateurs and provides many useful hints for equipment and behaviour in the field. The numerous thumbnail sketches of minerals and line-drawings of the Cornish scene are delightful and are accompanied by notes on the main mineralized areas of Cornwall. The sketch-maps of these areas should prove very helpful to the more experienced collector who is unfamiliar with Cornwall and Devon; particularly useful are the map references for many of the old mines.

R. A. H.

VUKALOVICH (M. P.) and ALTUNIN (V. V.). *Thermophysical Properties of Carbon Dioxide*. Transl. edited by D. S. Gaunt. Wellingborough (Collet's), 1968. xiv + 463 pp., 118 figs. Price 178s. 6d.

CO₂ is one of the more important volatiles in nature and a knowledge of its thermo-physical properties over a wide range of pressure and temperature is an essential base on which to build theories for the role of CO₂ in rock-forming processes. This book offers a very extensive compilation of data on such properties as density, phase equilibrium relations, enthalpy, specific heat, equation of state, viscosity, and thermal conductivity.

Significant research has been conducted in this field since the 1870s; this book reviews all the more important works since that date, to just before the date of publishing in 1965.

In the reviewer's opinion the strongest points of the book are its critical examination of the experimental methods used in obtaining the results and an impartial estimation of the accuracy of the results. The book has been translated in a very readable form