
Stratigraphic Principles and Practice. *J. Marvin Weller.* Harper & Brothers, Publishers, New York. 1960. xvi+725 pp. \$10.00.

This useful reference for stratigraphers and all geologists has been written by a man who understands the fundamental importance of stratigraphy to geology. He also realizes that stratigraphy and historical synthesis may lead one to error if the limitations of the working generalizations of stratigraphy are forgotten. This second qualification is especially important in the author of what will doubtless become an influential book.

No one can write such a book to satisfy all readers in every detail, but this book approaches that ideal. Thus, if slickolites are to be considered (p. 123), why not also the stratigraphically more important corrosion zones? The chapter on tectonics includes no reference to the work of Professor Carey. Such matters are overshadowed by the many excellent features. The time-transgressive nature of many formations is well set forth (p. 427-428). Significant examples of good and poor stratigraphic nomenclature are given (Ch. 13), as well as recommendations for rational usage. Correlation is similarly treated. We are reminded of the oft-forgotten limitations of paleogeographic maps (p. 589-593).

The work is very thorough, but is not just a catalog. For all phases of stratigraphy differing practices and interpretations are explained and judged, and preferred procedures are recommended. The book will probably serve best as a handbook for the apprentice or practicing stratigrapher and as a reference for advanced courses in stratigraphy.

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DICTIONARIES.

A number of dictionaries have come to the Review Editor during the past year and a half. The following list may be of interest to members of the Ohio Academy of Science:

Dictionary of Astronomy and Astronautics. *Armand Spitz and Frank Gaynor.* Philosophical Library. vi+439 pp. \$6.00.

Aerospace Dictionary. *Frank Gaynor.* Philosophical Library. 260 pp. \$6.00.

Dictionary of Atomic Terminology. *Lore Lettenmeyer.* Philosophical Library. 298 pp. \$6.00.

A Short Dictionary of Mathematics. *C. H. McDowell.* Philosophical Library. xiii+63 pp. \$2.75.

A Short Dictionary of Archaeology. *Christopher Trent.* Philosophical Library. 62 pp. \$2.75.

Dictionary of Word Roots and Combining Forms. *Donald J. Borrer.* N-P Publications. 134 pp. \$2.00.

A Scientific Vocabulary for Students. *Mary J. Brown.* Pageant Press. 104 pp. \$3.00.

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