

physics. All frequently used systems of units are introduced with careful explanations, in the hope that the student will be able to work with British and metric gravitational units and British, cgs, and mks absolute units.

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Historical geology. Carl O. Dunbar. New York: John Wiley; London: Chapman & Hall, 1949. Pp. xii + 567. (Illustrated.) \$5.00.

This book is the successor to the authoritative and successful *Historical geology*, first published by Charles Schuchert in 1915, revised by Schuchert in 1924, and authored jointly by Schuchert and Dunbar in 1933 and 1941. Each edition has been considered the authoritative text on the stratigraphy and paleontology of North America, and was preeminent in the paleogeography of North America, in which subject Charles Schuchert was the world's foremost authority for over thirty years. Invaluable as the paleogeographic maps were, it is rather odd that their importance in size and precision declined through the four editions.

Dunbar's *Historical geology* follows the plan, the substance, and most of the illustrations of the previous

editions. An attempt has been made to popularize the text by more general treatment of stratigraphic and biologic facts, by omitting all but one of the stratigraphic correlation tables, and by including many large illustrations which cover from a quarter to half a page. The paleogeographic maps, which in previous editions were the authors' main original contribution to historical geology, have been reduced in effectiveness by purposely obscuring the boundaries of the continent and the limits of the seas by cloud effects, in order to emphasize the lack of knowledge about ancient seas and lands. The chapter on the origin of the earth might well have been reduced in length, for all of the hypotheses discussed are confusing and lack conviction, and are skipped as worthless by many instructors.

Whereas the book has been made more attractive by the emphasis on illustrations, and more readable by being less technical, it has lost a good deal of value as a text and a book of reference by omission of correlation tables, and by the obscuring of the paleogeographic maps. Nevertheless, it is likely to continue to be one of the leading textbooks in historical geology.

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Scientific Book Register

ANDERSON, EDGAR. *Introgressive hybridization*. (Wiley Biological Research Series.) New York: John Wiley, 1949. Pp. ix + 109. (Illustrated.) \$3.00.

BACHOFEN-ECHE, ADOLF. *Der Bernstein und seine Einschlüsse*. Vienna, Austria: Springer-Verlag, 1949. Pp. 204. (Illustrated.) \$4.80.

BLOM, A. V. *Organic coatings in theory and practice*. New York: Elsevier, 1949. Pp. xi + 298. \$6.00.

CANNON, DOROTHY F. *Explorer of the human brain: the life of Santiago Ramón y Cajal*. New York: Henry Schuman, 1949. Pp. xv + 303. (Illustrated.) \$4.00.

CANNON, WALTER B. and ROSENBLUTH, ARTURO. *The supersensitivity of denervated structures: a law of denervation*. (Experimental Biology Monographs.) New York: Macmillan, 1949. Pp. x + 245. (Illustrated.) \$5.50.

CORLISS, JOHN J., FEINSTEIN, IRWIN K., and LEVIN, HOWARD S. *Analytic geometry*. New York: Harper, 1949. Pp. xi + 370. (Illustrated.) \$3.25.

DANTCHAKOFF, VERA. *Le Sexe: Rôle de l'hérédité et des hormones dans sa réalisation*. Paris: Presses Universitaires de France, 1949. Pp. 210. (Illustrated.) 480 fr.

EMMONS, WILLIAM H. et al. *Geology: principles and processes*. (3rd ed.) New York: McGraw-Hill, 1949. Pp. x + 502. (Illustrated.) \$4.50.

FAIRHALL, LAWRENCE T. *Industrial toxicology*. Baltimore: Williams & Wilkins, 1949. Pp. xi + 483. \$6.00.

GREEN, HENRY. *Industrial rheology and rheological structures*. New York: John Wiley, 1949. Pp. xii + 311. (Illustrated.) \$5.50.

LEROY, L. W., and CRAIN, HARRY M. (Eds.) *Subsurface geologic methods: a symposium*. Golden, Colo.: Dept.

of Publ., Colorado School of Mines, 1949. Pp. 826. (Illustrated.) \$6.00 paper; \$7.00 cloth binding.

LICHTENSTEIN, BEN W. *A textbook of neuropathology: with clinical, anatomical and technical supplements*. Philadelphia: W. B. Saunders, 1949. Pp. xviii + 474. (Illustrated.) \$9.50.

MOLDENKE, HAROLD N. *American wild flowers*. New York: D. Van Nostrand, 1949. Pp. xxv + 453. (Illustrated.) \$6.95.

OLIPHANT, M. L. et al. *The atomic age*. (Sir Halley Stewart Lectures, 1948). New York: Macmillan; London: Allen and Unwin, 1949. Pp. 149. \$2.50.

REDDICK, HARRY W. *Differential equations*. (2nd ed.) New York: John Wiley, 1949. Pp. x + 288. \$3.00.

ROTHMANN, S. C. (Ed.) *Construction uses of atomic energy*. New York: Harper, 1949. Pp. vi + 258. (Illustrated.) \$3.00.

SCHWEITZER, GEO. K., and WHITNEY, IRA B. *Radioactive tracer techniques*. New York: D. Van Nostrand, 1949. Pp. vi + 241. (Illustrated.) \$3.25.

TAYLOR, LEWIS W. (Ed.) *Fertility and hatchability of chicken and turkey eggs*. New York: John Wiley, 1949. Pp. x + 423. (Illustrated.) \$5.00.

TITUS, HARRY W. *The scientific feeding of chickens*. (2nd ed., rev.) Danville, Ill.: Interstate, 1949. Pp. 253.

TOBIN, CHARLES E. (Ed.) *Shearer's manual of human dissection*. (2nd ed.) Philadelphia: Blakiston, 1949. Pp. xv + 286. (Illustrated.) \$4.50.

TUTIN, JOHN. (Ed.) *Atomic energy yearbook*. New York: Prentice-Hall, 1949. Pp. xvii + 237. (Illustrated.) \$3.85.

UNDERWOOD, BENTON J. (Ed.) *Experimental psychology: an introduction*. New York: Appleton-Century-Crofts, 1949. Pp. vii + 638. (Illustrated.) \$4.50.