

Books of the Week

TO SERVE YOU: To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWS LETTER, 1719 N St., N. W. Washington 6, D. C. Ask for free publications direct from issuing organizations.

A.S.T.M. STANDARDS ON TEXTILE MATERIALS (With Related Information)—A.S.T.M. Committee D-13 on Textile Materials—*American Society for Testing Materials*, 574 p., illus., paper, \$4.50. A compilation of articles on terms and definitions, methods of testing, and specifications for textile and related materials.

THE FIELD SCIENTIFIC LIAISON WORK OF UNESCO—UNESCO, 67 p., illus., 30 cents. An explanation of a little known UNESCO activity.

FRANCIS BACON: Philosopher of Industrial Science—Benjamin Farrington—*Schuman*, 202 p., illus., \$3.50. Written with the idea that to achieve progress today and in the future, we must know the past. This is volume 11 of Henry Schuman's Life of Science Library.

GIANT BRAINS OR MACHINES THAT THINK—Edmund C. Berkeley—*Wiley*, 270 p., illus., \$4.00. A description of several existing large-scale mechanical computers, including a brief discussion of their social significance. Written in non-technical style.

THE GIANT WIDENS HIS WORLD: The Middle Ages and the Renaissance—M. Illin and E. Segal—*Interscience*, 223 p., \$2.50. A brief history of scientific development during the age of darkness and superstition.

HOW TO STAY HEALTHY—Irvin S. Koll—*Ziff-Davis*, 203 p., \$2.75. Preventive medicine in non-technical language.

HUNGER SIGNS IN CROPS—Firman E. Bear and others—*American Society of Agronomy and National Fertilizer Association*, 2nd ed., 390 p., illus., \$4.50. An aid in recognizing the signs of nutritional deficiency in crop plants. Many color plates show different mineral deficiencies.

OUR STARLAND: An Easy Guide to the Study of the Heavens—C. C. Wylie—*Lyons and Carnahan*, 378 p., illus., \$1.05. Introducing young people to the stars and their mythology. For grade school age.

PRINCIPLES OF A NEW ENERGY MECHANICS—Jakob Mandelker—*Philosophical Library*, 73 p., illus., \$3.75. The author presents his conception of the whole body of science.

PROCEEDINGS FOR THE YEAR 1948-1949: Virginia Academy of Science—*Virginia Academy of Science*, 192 p., paper, \$1.50. The annual report of the Academy meeting held in Richmond, Virginia, May 5, 6, 7, 1949.

PROCEEDINGS OF THE INTER-AMERICAN CONFERENCE ON CONSERVATION OF RENEWABLE NATURAL RESOURCES—Department of State—*Gov't. Printing Office*, 782 p., illus., \$2.25. Outstanding conservation leaders and technicians of the Western Hemisphere presented these papers on the fundamental problems concerned with the future of civilization at the first Inter-American Conference On Conservation, at Denver, Colorado, September 7-20, 1948.

PROGRESS IN SEVEN FIELDS OF MANAGEMENT 1932-1949—*American Management Association*, 31 p., paper, free upon request to the publisher, 330 West 42nd Street, New York 18, N. Y. A complete catalogue of the publications of the Association from February, 1932 to November, 1949.

RESULTS OF THE TWO CARPENTER AFRICAN EXPEDITIONS, 1946-1948, Part II—Fishes—Henry W. Fowler—*Academy of Natural Sciences of Philadelphia*, 42 p., illus., paper, \$1.30. A monograph on the fishes collected on these expeditions.

A SECOND COURSE OF ELECTRICITY—A. E. E. McKenzie—*Cambridge University Press*, 357 p., illus., \$2.50. A sequel to the author's *Magnetism and Electricity*. A textbook.

SUGAR DERIVATIVES: A SURVEY OF POTENTIAL PRODUCTION COSTS—Harold E. Bode—*Sugar Research Foundation*, 35 p., illus., free upon request to publisher, 52 Wall St., New York 5, N. Y. Presents in tabulated form sugar derivatives which are potentially capable of being produced at a material cost of less than one dollar per pound. For the technician.

TELEVISION FOR RADIOMEN—Edward M. Noll—*Macmillan*, 595 p., illus., \$7.00. A text for practical radiomen, and television students.

WOODY-PLANT SEED MANUAL—Forest Service U. S. Department of Agriculture—*Gov't. Printing Office*, 416 p., illus., \$2.75. Brings together information on phases of seed handling.

Science News Letter, December 17, 1949

PALEONTOLOGY

"Chinless" Ancestor Found

➤ ONE of man's oldest ancestors was a man without a chin. Report of the discovery of his bones has just been received from France.

In a cave called Coupe-Gorge, opened accidentally by quarry workers at Montmaurin, Haute-Garonne, one of the excavators found some interesting bones and called in L. Merco of the Toulouse Museum. Under his direction the workman dug up a lower jaw of Neanderthal type which had been buried there about 50,000 years.

This jaw is complete, but only three molars remain on each side, the other teeth having long since disappeared.

The teeth show that the gentleman of Montmaurin was a youth about 20 years old. The most striking feature is the entire absence of a chin. In this respect this mandible resembles the Mauer jaw, known as Heidelberg man (*Homo heidelbergensis*) and attributed to a period about 250,000 years ago. However, since Neanderthal Man roamed Western Europe from 75,000 to 40,000 B. C., the man who left his jaw in the Mauer sands may have been a direct ancestor of our new friend from Montmaurin.

In a personal communication Mr. Merco writes that Prof. H. V. Vallois, of the In-

stitut de Paleontologie Humaine in Paris, examined the new jaw and agrees that it is one of the most primitive types known.

The Abbe Henri Breuil, world's foremost prehistorian, examined the site recently and estimates that the Coupe-Gorge mandible is as old as the stone implements found in the lowest Mousterian levels, attributed to the last interglacial period.

The Mousterian tools are so called because they were found at Le Moustier, Dordogne, France. They are really the handiwork of Neanderthal Man who was given his name because his bones were originally discovered in 1857 in the Neander Valley near the Rhine.

The discovery of the Coupe-Gorge jaw adds an important link in the chain of evidence for the range of Neanderthal Man. It is now known that he lived in regions all the way from the rock of Gibraltar on the west to Tashkent in Soviet Central Asia on the east. His Mousterian cultures have been found far more extensively across Europe into Siberia, in Asia and Africa.

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Peanut butter can be used for part of the shortening in breads.

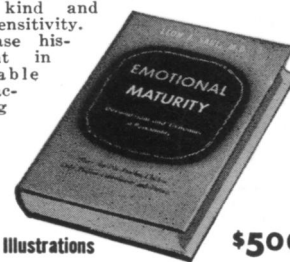
A Guide to Human Behavior

EMOTIONAL MATURITY

Fundamental facts concerning neuroses—those minor mental disorders from which no one is entirely free. The book reveals the basic similarities in what men feel and can stand as well as individual differences in kind and degree of sensitivity. Illustrative case histories present in understandable fashion the factors influencing emotional development.

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by Leon J. Saul, M.D.



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