

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N. W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

THE BEGINNINGS OF EMBRYONIC DEVELOPMENT—Albert Tyler, R. C. von Borstel and Charles B. Metz, Eds.—*American Association for the Advancement of Science*. Publication No. 48, 400 p., illus., \$8.75. A selected sample of the presentations at a symposium planned to bring together individuals working in related fields concerned with this problem.

CELL EXAMINATION, NEW HOPE IN CANCER—Charles S. Cameron—*Public Affairs Committee*,

Public Affairs Pamphlet No. 252, 20 p., illus., paper, 25 cents. Urging a periodic cell examination for all women after the age of 35 as protection against one of the major forms of cancer.

ENGINEERING ELECTRONICS: With Industrial Applications and Control—John D. Ryder—*McGraw-Hill*, 666 p., illus., \$9.50. Electronics is profoundly influencing all areas of electrical engineering. Although formerly somewhat restricted to the higher frequencies and to the transmission of information, electronics has now invaded the industrial and business areas.

THE FIRST BOOK OF MAMMALS—Margaret Williamson—*Franklin Watts*, 63 p., illus. with drawings by the author, \$1.95. Telling children about the interesting ways of mammals.

THE FIRST BOOK OF SUBMARINES—Capt. J. B. Icenhower—*Franklin Watts*, 62 p., illus. with drawings by Mildred Waltrip, \$1.95. A book for children telling about the history of the submarine, how it works, what life is like aboard and about the new Nautilus, the atomic submarine.

GLOSSARY OF GEOLOGY AND RELATED SCIENCES—J. V. Howell, Coordinating Chairman—*American Geological Institute (National Academy of Sciences)*. 325 p., \$6.00. Defining terms from *a* to *zygote*.

THE PHYSICAL AND CHEMICAL BASIS OF INHERITANCE—George W. Beadle—*Oregon State System of Higher Education*, Condon Lectures, 47 p., illus., paper, \$1.00. Discussing life and how it came to be.

PRELIMINARY SURVEY OF THE SALINE-WATER RESOURCES OF THE UNITED STATES: A Discussion of Salinity and a Compilation of Measurements and Chemical Analyses of Saline Ground and Surface Waters, With an Emphasis on their Geographic and Geologic Distribution—R. A. Krieger, J. L. Hatchett and J. L. Poole—*Govt. Printing Office*, 172 p., graphs, paper, \$1.00. The number of areas in which undeveloped supplies of fresh water are available are now few, but saline water is plentiful and awaiting conversion to fresh.

PREVENTION OF CHRONIC ILLNESS—Commission on Chronic Illness—*Harvard University Press* for the Commonwealth Fund, Chronic Illness in the United States, Volume I, 338 p., \$6.00. Freedom from chronic illness can be achieved only through united efforts toward health promotion, toward averting the occurrence of illness and toward early detection of disease through health examinations and mass screening programs.

PSYCHOLOGY IN THE SOVIET UNION—Brian Simon, Ed.—*Stanford University Press*, 305 p., \$6.00. This work, intended to familiarize English readers with the general direction of Soviet psychology, grew out of a visit by a

party of teachers and educators to Russia. Russian psychologists contributed the 20 papers presented here.

SCIENTIFIC AND ACADEMIC LIFE IN WESTERN GERMANY: A Handbook—*Stifterverband für die Deutsche Wissenschaft*, 183 p., illus., limited number free upon request direct to publisher, Brucker Holt 42/44, Essen-Bredeney, West Germany. Listing universities, scientific institutions and other organizations of interest to scientists. In English.

SOLAR, GEOMAGNETIC, AND IONOSPHERIC PHENOMENA AS INDICES OF SOLAR ACTIVITY—Frederick W. Ward, Jr.—*Geophysics Research Directorate (Office of Technical Services)* 80 p., graphs, paper, \$2.25. Data reported here are intended to offer a firm basis in searching for a solar effect on weather.

STRENGTHENING SCIENCE EDUCATION FOR YOUTH AND INDUSTRY: Proceedings of the Seventh Thomas Alva Edison Foundation Institute, November 19-20, 1956—Ralph W. Tyler and others—*New York University Press*, 162 p., paper, \$5.00. The responsibility for strengthening science education rests, this report reminds us, on the home and industry as well as the school.

SURVEY OF BIOLOGICAL PROGRESS: Volume III—Bentley Glass, Ed.—*Academic*, 332 p., diagrams, \$7.50. Reviews intended to bridge the chasm between the "classical" concepts and methods and those now in use in the biological sciences.

TEACH YOURSELF TO RELAX—Josephine L. Rathbone—*Prentice-Hall*, 216 p., illus., \$4.95. If your physician finds that you are too tense, there are some suggestions in this book on how to "let go."

Science News Letter, August 17, 1957

GENERAL SCIENCE

Historic A-Bomb Site Still Off Limits

► THE ATOMIC age equivalent to Plymouth Rock—the place where the world's first atomic bomb landed—is off limits to the public.

The historic site, 50 miles northwest of Alamogordo, N. Mex., sits barren and deserted in the middle of the nation's largest guided missile testing range.

Until such time as weapons-testing is halted or abandoned, all plans for turning the site into a national monument have been shelved. If, however, such a time does come, the National Park Service will dust off its first atomic site project for further consideration.

It was 5:30 a.m. on July 16, 1945, when scientists and military men huddled flat on the ground 17,000 yards from the steel tower holding the first atomic bomb.

The atomic age was ushered into being with a flash that was described as "brighter than the brightest day."

Twelve years later, the cradle of the atomic bomb lies in the New Mexico desert, available to only those persons connected with the weapons-testing program at the giant center.

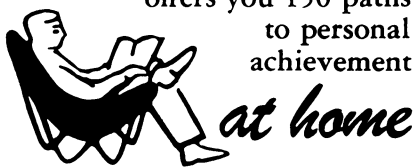
Barbed wire encloses the rim of the crater and examples of green fused desert sands, mementoes of the atomic bomb's birthday surprise, can still be found at the site.

Some day, perhaps, tourists will be able to visit the historic atomic hole.

Science News Letter, August 17, 1957

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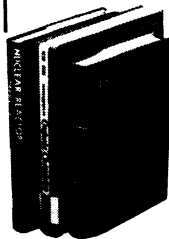
Contract Bridge

A Bridge Manual for All, from Beginner to Club Player, by Bridge Pundit EWART KEMPSON, International Expert.

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