Books of the Week

For the editorial information of our readers, books received for review 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.

AEROSPACE TECHNICAL FORECAST 1962-1972—Aerospace Industries Assn., 144 p., illus., paper, \$3. Forecast of technical trends and requirements, outlining the areas where research and development is needed to meet national programs.

AMERICA'S RACE FOR THE MOON: The New York Times Story of Project Apollo—Walter Sullivan, Ed., foreword by D. Brainerd Holmes—Random House, 163 p., illus., paper, \$1.95. Tells the general reader about the U.S. program for lunar landings of instruments and men.

BIOLOGICAL CLOCKS—Frank A. Brown. Jr.—

BIOLOGICAL CLOCKS—Frank A. Brown, Jr.—AIBS (Heath), BSCS Pamphlet No. 2, 36 p., illus, paper, subscription to series, Sept. to May, \$2.25. Presents latest scientific findings on the subject, at high school level.

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THE CHEMISTRY AND MANUFACTURE OF COSMETICS, Vol. II: Cosmetic Materials—Maison G. DeNavarre, foreword by Stephen Wilson—Van Nostrand, 2nd ed., 413 p., illus., \$12.50. Considers the manufacture of cosmetics in the light of the latest scientific and technological advances.

latest scientific and technological advances.

THE COMPARATIVE OSTEOLOGY AND PHYLOGENY OF THE ANABANTOIDEI (TELEOSTEI, PISCES) — Karel F. Liem—Univ. of Ill. Press, 149, lllus., \$4.50; paper, \$3.50. Illinois Biological Monograpis. No. 30.

COURTSHIP IN ANIMALS—Andrew J. Meyerriecks—AIBS (Heath), BSCS Pamphlet No. 3, 35, p., illus., paper, subscription to series, Sept. to May, \$2.25. Third of eight monthly pamphlets on recent biological research, at high school level, prepared under supervision of the Biological Sciences Curriculum Study of the American Institute of Biological Sciences.

ESSAYS ON PROBABILITY AND STATISTICS

piculum Study of the American Institute of Biological Sciences.

ESSAYS ON PROBABILITY AND STATISTICS —M. S. Bartlett—Wiley, 127 p., \$4.50. Collection of papers representing a comprehensive view of statistical theory.

GLOSSARY OF TERMS USED IN PHYSICS OF OCEANOGRAPHY—Walter Beckmann and Warren E, Yasso—AIP, 24 p., paper, \$1. Representative cross-section of terms currently used by physical oceanographers, from "abyssal" to "wave period".

THE HUMAN SIDE OF ANIMALS (Original title: Animal IQ)—Vance Packard—Pocket Bks, rev. ed., 178 p., photographs by Lilo Hess, paper, 50¢. First published in 1950.

MENTAL ILLNESS: A Guide for the Family—Edith M. Stern, foreword by William C. Menninger—Harper, 4th ed., 127 p., \$3. Practical advice on what to do when some relative or close friend falls mentally ill.

PERSONALITY DYNAMICS AND DEVELOP—

mentally ill.

PERSONALITY DYNAMICS AND DEVELOPMENT—Irving Sarnoff—Wiley, 572 p., \$7.75. Text
presents systematically the psychoanalytic theory of
personality and its relation to learning theory, developmental psychology, sociology and anthropology.

velopmental psychology, sociology and anthropology.

POCKET DICTIONARY OF COMPUTER TERMS
—The Howard W. Sams Technical Staff—Sams, 96
p., paper, \$1.50. More than 1,000 definitions, from
"abacus" to "zone",
PROJECT IDEAS FOR YOUNG SCIENTISTS—
John K. Taylor, Phoebe Knipling and Falconer Smith,
Eds.—Jt. Board on Science Educ., 2nd rev. ed., 173
p., paper, \$1.25. Describes briefly 400 ideas for student science projects with references for further information.

Do You Know?

Thorium, uranium and plutonium are the three elements that provide reactor fuel.

A new type single-belt conveyor capable of climbing, turning and side discharge of load enables the engineer to plan a single continuous system in three dimensions for the first time.

Surface cracking of tires results mainly from chemical attack of ozone.

• Science News Letter, 82:419 December 29, 1962

THE SEA: Ideas and Observations on Progress in the Study of the Seas, Vol. 1: Physical Oceanography—M. N. Hill, Ed.— Interscience Pubs., 864 p., illus., \$25. Presents a balanced account of the ideas and observations of oceanographers during the 20 years since the comprehensive work "The Oceans" by Sverdrup, Johnson and Fleming was published in 1942.

SO MUCH ALIVE: The Life and Work of Wladimir S. Woytinsky—Emma S. Woytinsky, Ed.—Vanguard Press, 272 p., illus., \$6. A symposium by friends and specialists evaluating the man and his outstanding contributions in the fields of economic theory, statistics, graphic presentation, economic forecasting and social security.

SPACE FRONTIER UNLIMITED—Harold Leland Goodwin—Van Nostrand, 144 p., diagrams, paper, \$1.45. Original paperback, provides in concise, narrative form a coordinated background to the international and technical implications of the uses of satellites and space power.

THE TELESCOPE AND THE WORLD OF

THE TELESCOPE AND THE WORLD OF ASTRONOMY—Marrin F. Riemer—SCOPE Instrument Corp. 211 p., illus., \$3.95. Discusses equipment for sky watchers, observations of moon and planets, constellations and other objects in the sky; charts, tables and stellar year maps are included.

Science News Letter, 82:419 December 29, 1962

SURGERY

Filter Stops Fatal Blood Clot Passage to Lungs

➤ A NEW OPERATIVE technique in which a filter can prevent passage of fatal blood clots to the lungs has been reported by Dr. M. S. DeWeese, associate professor of surgery at the University of Michigan in Ann Arbor.

The new method, successful in 17 patients, involves the creation of a tiny "harp-string" grid across the principal vein from the lower extremities to the heart. Ten to 16 strands of dacron thread are used to create the grid as it passes through the abdomen.

The technique blocks the passage of potentially lethal clots while permitting the flow of blood to continue through the vein.

Formerly the main venous trunk was tied off completely but serious complications developed in many patients who suffered swelling or ulcerations of the legs. This is avoided by the new operation.

Dr. Daniel C. Hunter Jr., formerly a staff surgeon at the University of Michigan but now at Ogden, Utah, collaborated with Dr. DeWeese in the report.

Science News Letter, 82:419 December 29, 1962

CHANGING

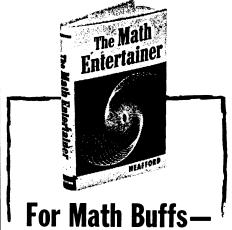
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