

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.

ADVANCES IN CANCER RESEARCH: Volume IV—Jessie P. Greenstein and Alexander Haddow, Eds.—*Academic*, 416 p., illus., \$10.00. Including discussion of progress in chemotherapy of cancer in man.

THE AGRICULTURAL COMMODITY PROGRAMS: Two Decades of Experience—Murray R. Benedict and Oscar C. Stine—*Twentieth Century Fund*, 510 p., \$5.00. Indicating that Government agricultural aid should be tailored to fit needs for specific commodities and for specific regions.

AMERICAN FARMING: An Introduction for Young People—*Govt. Printing Office*, U. S. Department of Agriculture, Miscellaneous Publication No. 720, 30 p., illus., paper, 15 cents. For school students and others who want to know what the modern American farmer faces and what he does.

AMERICAN MUSEUM OF NATURAL HISTORY EIGHTY-SEVENTH ANNUAL REPORT July, 1955 Through June, 1956—Alexander M. White, President—*American Museum of Natural History*, 75 p., paper, free upon request direct to publisher, Central Park West at 79th St., New York 24, N. Y. Describing what the museum offered its 1,783,433 visitors in the past year.

BIOLOGICAL SCIENCES—J. C. Bugher, J. Coursaget and J. F. Loutit—McGraw-Hill, Series VI of Progress in Nuclear Energy, 205 p., illus., \$7.00. Nuclear science has not only contributed new techniques and tools to the biologist, but it has also modified his patterns of thought.

CLIMATOLOGY OF SUMMER FOGS IN THE SAN FRANCISCO BAY AREA—Clyde Perry Patton—University of California Press, 88 p., illus., paper, \$2.00. One of the peculiarities of the San Francisco summer climate is that the coast is about the coldest of the U. S., while within 60 miles inland maximum temperatures are among the highest.

THE COMMONWEALTH FUND THIRTY-EIGHTH ANNUAL REPORT FOR THE YEAR ENDING June 30, 1956—Malcolm P. Aldrich, President—*Commonwealth Fund*, 61 p., paper, free upon request direct to publisher, 1 East Seventy-fifth Street, New York 21, N. Y. Containing a ten-year review of the progress of medical education in the U. S.

CURING OF CONCRETE—E. E. Bauer, Chair-

man—*Highway Research Board*, Bibliography 18, 98 p., paper, \$1.80. A comprehensive coverage of literature from the U. S. A. and Canada for 1925-1955.

DURABILITY OF CONCRETE—Paul Klieger and Albert G. Timms—Highway Research Board, Bulletin 128, 50 p., illus., paper, 90 cents. Discussing the protection of concrete against the action of frost and ice-removal agents.

AN ENCYCLOPAEDIA OF THE IRON AND STEEL INDUSTRY—Compiled by A. K. Osborne with a foreword by Charles Sykes—Philosophical Library, 558 p., illus., \$25.00. Providing a concise description of the materials, plant, tools and processes of the industry in alphabetical order.

THE EVOLUTION OF HUMAN NATURE—C. Judson Herrick—University of Texas Press, 506 p., illus., \$7.50. It took a long time to make man. Fossils indicate that more than 500,000,000 years elapsed between the appearance of the first recognizable organisms and that of the animal anthropologists are willing to call a man.

FEDERAL FUNDS FOR SCIENCE: V, The Federal Research and Development Budget, Fiscal Years 1951, 1956 and 1957—John C. Honey and J. E. Morton and others—Govt. Printing Office, National Science Foundation, 47 p., illus., paper, 35 cents. The fifth book in a series of reports on this matter.

FEDERAL SUPPORT FOR SCIENCE STUDENTS IN HIGHER EDUCATION 1954—Herbert H. Rosenberg and others—Govt. Printing Office, National Science Foundation, National Science Studies, 33 p., paper, 30 cents. A growing number of scholarship and student-aid programs are supported by private sources and proposals for Federal supplements to these are numerous.

FUNDAMENTAL CONCEPTS OF ALGEBRA—Claude Chevalley—Academic, 241 p., \$6.80. Algebra is more than an end in itself. It offers a mathematical language in which to express facts and a variety of patterns of reasoning.

GUAYMI GRAMMAR AND DICTIONARY: With Some Ethnological Notes—Ephraim S. Alphonse—Govt. Printing Office, Bureau of American Ethnology, Bulletin 162, 128 p., paper, 65 cents. A study of the language of the Valiente Indians who live in Panama, and also some notes about Valiente customs and activities.

GUIDE TO RESEARCH IN AIR POLLUTION (COLLEGES, UNIVERSITIES AND RESEARCH INSTITUTES)—Committee on Air Pollution Controls, the American Society of Mechanical Engineers, 3d ed., 16 p., paper, \$1.50. A bibliography of reports of research in this field.

THE MENNINGER FOUNDATION REPORT OF PROGRESS FOR THE YEAR FROM July 1, 1955 to June 30, 1956—David Neiswanger, President—*Menninger Foundation*, 100 p., illus., paper, free upon request direct to publisher, Topeka, Kansas. Contains a directory of the officers and staff and a list of publications.

NUMERICAL INTEGRATION OF DIFFERENTIAL EQUATIONS—Albert A. Bennett, William E. Milne and Harry Bateman—Dover, 108 p., paper, \$1.35. Republication of a monograph prepared for the National Research Council.

PLANE VIEWS—Aircraft Industries Association of America, 80 p., illus. paper, limited number free upon request direct to publisher, 610 Shoreham Building, Washington 5, D. C. Interesting facts and statistics about the aircraft industry.

RECENT PROGRESS IN HORMONE RESEARCH: Volume XII, Proceedings of the Laurentian Hormone Conference 1955—Gregory Pincus, Ed.—*Academic*, 453 p., illus., \$10.00. Reporting results of the first of these conferences to be held in the Rocky Mountains.

SAY IT SAFELY: Legal Limits in Journalism and Broadcasting—Paul P. Ashley—University of Washington Press, 117 p., \$2.25. Intended to help those who write or publish to avoid libel.

SEPARATION AND PURIFICATION—Arnold Weissberger, Ed.—Interscience, Volume III, Part I of Technique of Organic Chemistry, Rev. ed., 873 p., illus., \$17.50. Much of the success of the organic chemist depends upon a wise selection and skillful application of the methods discussed in this work.

STUDIES IN DIFFERENTIAL EQUATIONS—Harold T. Davis, Ed—Northwestern University Press, 114 p., paper, \$1.75. Five papers on differential equations brought together in a research project at Northwestern University.

SYSTEMATICS OF THE SUBORDER TUBULIFERA (THYSANOPTERA) IN CALIFORNIA—H. Edwin Cott—University of California Press, 216 p., illus., paper, \$3.50. To provide a single source to aid the student in identification of California thrips.

TIRE DYNAMICS: Tire Marks and Their Relationship to Vehicle Velocity Prior to Brake Application—Andrew J. White—Motor Vehicle Research, 268 p., illus., \$15.00. Report of research showing the incorrectness of the common assumption that the length of tire marks on a pavement indicates how fast the car was going before the brakes were applied.

TROPICAL FISH IN YOUR HOME—Herbert R. Axelrod and William Vorderwinkley with G. J. M. Timmerman, photographer—Sterling, 128 p., illus., \$2.95. A book of practical instructions for those who enjoy keeping fish.

Science News Letter, December 22, 1956

PSYCHIATRY

Tranquilizers May Permit Measuring Mental Force

► **CHLORPROMAZINE** and reserpine, two well known tranquilizing drugs, may make it possible to measure a person's "psychic energy," the American Psychoanalytic Association meeting in New York was told.

The two drugs reduce the symptoms of mental illness by weakening unconscious drives that would otherwise break through repressive forces holding them back, Drs. Mortimer Ostow, Albert Einstein College of Medicine, New York, and Nathan S. Kline, Rockland State Mental Hospital, Orangeburg, N.Y., reported.

If this is true, they said, it may ultimately make possible the measurement of a mental force that has existed only in theory up to now.

Probable source of this psychic energy, is the brain's basal ganglia, a group of structure at the base of the brain, they reported. The tranquilizing drugs seem to affect the globus pallidus, the most primitive of these structures, they said.

The two tranquilizers have made psychoanalysis possible with patients who would have otherwise been too disturbed to treat, the doctors said.

Science News Letter, December 22, 1956

YOUR SKIN AND ITS CARE

By H. T. Behrman, M.D., and O.L. Levin, M.D.

Two dermatologists give you the up-to-date scientific facts. They tell you in detail exactly what to do to beautify and improve your skin, how to avoid or correct skin disorders, and how to deal with many skin problems as: Daily care of the face—**allergies—cosmetics—pimples—blackheads—acne—whiteheads—cysts—boils—oily skin—dry skin—chapping—poison ivy—cold sores—hives—superfluous hair—ringworm—piles—birthmarks—scars—warts—tumors—skin cancer—excessive sweating—etc.**

"The type of book to which the physician can refer his patients." — *Journal of the American Medical Association*.

"Accurate, unvarnished story of practical skin care." — *Connecticut State Medical Journal*.

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