

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.

ANIMALS PARASITIC IN MAN—Geoffrey Lepage—*Penguin*, 320 p., illus., paper, 95 cents. A non-technical description of the animals that live off man and how the human body fights them.

CEREBRAL VASCULAR DISEASE AND STROKES—Heart Information Center, National Heart Institute—*Govt. Printing Office*, Public Health Service Publication No. 513, 15 p., illus., paper, 10 cents. With proper care and treatment, 9 out of 10 victims of cerebral vascular disease can be taught to walk again and 3 out of 10 can be restored to gainful work.

THE CHILD WITHIN THE GROUP: An Experiment in Self-Government—Marion E. Turner, foreword by Theodore M. Newcomb—*Stanford University Press*, 93 p., \$3.00. The experiment shows that even very young children can learn to govern themselves in school.

CURRENT RESEARCH AND DEVELOPMENT IN SCIENTIFIC DOCUMENTATION—Compiled by *National Science Foundation*, 54 p., paper, free upon request direct to publisher, Washington 25, D. C.

EPOXY RESINS: Their Applications and Tech-

nology—Henry Lee and Kris Neville—*McGraw-Hill*, 305 p., illus., \$8.00. Covering the chemistry of the preparation of epoxy resins and their applications in industry.

A GLOSSARY OF TERMS IN NUCLEAR SCIENCE AND TECHNOLOGY—John R. Dunning, Chairman—*American Society of Mechanical Engineers*, 188 p., illus., paper, \$5.00. Approved by the American Standards Association as an American standard.

GOLGOTHA AND THE CHURCH OF THE HOLY SEPULCHRE—André Parrot, translated by Edwin Hudson—*Philosophical Library*, 127 p., illus., \$2.75. The author, of the French National Museum, discusses the archaeological evidence concerning the true place of the crucifixion and burial of Jesus.

HISTORY OF ENTOMOLOGY IN WORLD WAR II—Emory C. Cushing—*Smithsonian*, 117 p., illus., \$2.00. Hundreds of thousands of people have been saved from illness or death because of the research in entomology during World War II.

THE HUMAN BRAIN: From Primitive to Modern—A. M. Lassek—*Thomas*, 242 p., illus., \$4.75. It has been calculated that a space of 1,500,000 cubic feet with 1,000,000 kilowatts of electrical power, 1,000,000,000,000,000,000,000 wires, the same number of miniature tubes and \$200,000,000,000,000,000 in finances would be needed to simulate even crudely the human brain.

IN SEARCH OF MAN—André Missenard, translated from the French by Lawrence G. Blochman—*Hawthorn Books*, 346 p., illus., \$5.95. Presenting the view, developed in collaboration

with Alexis Carrel, that man's development is influenced chiefly by diet and chemical environment, education and social environment, and climate and geographic environment.

THE LAST CANNIBALS—Jens Bjerre, translated from the Danish by Estrid Bannister—*Morrow*, 192 p., illus., \$4.50. An explorer writes of his life among the aborigines of the desert of central Australia.

MAGNETOHYDRODYNAMICS: A Symposium—Rolf K. M. Landshoff, Ed.—*Stanford University Press*, 115 p., illus., \$4.00. A set of essays explaining typical researches in this field dealing with how magnetic fields influence and are influenced by ionized gases.

MEAT REFERENCE BOOK: Facts and Figures About One of America's Essential Food Industries and Its Important Products—*American Meat Institute*, 63 p., illus., paper, single copies free upon request direct to publisher, 59 East Van Buren St., Chicago 5, Ill. Answers to common questions asked by teachers, students, housewives and others.

MEDICAL RADIATION BIOLOGY—Friedrich Ellinger—*Thomas*, 945 p., illus., \$20.00. For present and future physicians and health officers.

MERCHANT SHIPS: WORLD BUILT: Vessels of 1,000 Tons Gross and Over Completed in 1956—*Adlard Coles (John de Graff)*, 1957 volume, 224 p., illus., \$6.50 includes postage. Description and picture of each of the world's merchant ships.

THE MIND OF THE MURDERER—W. Lindsay Neustatter, foreword by the Right Hon. Lord Pakenham of Cowley—*Philosophical Library*, 232 p., \$6.00. A British psychiatrist writes of English killers who were mentally abnormal.

MY FRIENDS, THE HUSKIES—Richard Dovers—*Farrar, Straus and Cudahy*, 236 p., illus., \$3.95. The author was observer with the Third French Expedition of 1951-52 to the Antarctic. He was in charge of the dogs.

THE NATURE OF RADIOACTIVE FALLOUT AND ITS EFFECTS ON MAN—Joint Committee on Atomic Energy—*Govt. Printing Office*, 19 p., illus., paper, 15 cents. A summary-analysis of Congressional hearings, May 27-29 and June 3-7, 1957.

NIELS HENRIK ABEL: Mathematician Extraordinary—Oystein Ore—*University of Minnesota Press*, 277 p., illus., \$5.75. Biography of a famous mathematician of Norway written by the Sterling professor of mathematics at Yale.

THE NIGHTTIME ACCIDENT PROBLEM—Phil Hirsch—*Pageant*, 110 p., illus., \$4.00. A writer on safety engineering suggests ways by which the toll of accidents on the highway at night can be cut down.

NUCLEAR CHEMICAL ENGINEERING—Manson Benedict and Thomas H. Pigford—*McGraw-Hill*, 594 p., illus., \$9.50. Describing the materials of importance in nuclear reactors and the processes for concentrating, purifying and separating these materials.

OBESITY: Its Cause, Classification, and Care—E. Philip Gelvin and Thomas H. McGavack—*Hoebner-Harper*, 146 p., \$3.50. A practical program for helping the overweight to reduce.

PROCEEDINGS OF THE 1957 NORTHWEST CONFERENCE ON ROAD BUILDING—Lester A. Herr and others—*Engineering Experiment Station, Oregon State College*, 131 p., illus., paper, \$1.00. Papers of interest to highway engineers and students.

REPORT ON ELECTRONIC SYSTEMS OF AIR NAVIGATION: Chapter 10—TACAN—*Office of Technical Services*, 10 p., graph, paper, 50 cents.

ROADS AND TRAILS OF OLYMPIC NATIONAL PARK—Frederick Leissler—*University of Washington Press* in cooperation with the *Olympic Natural History Association*, 84 p., illus., maps, paper, \$1.75. Scenic highways and over 600 miles of trails are described, mapped and photographed.

MAGNETOHYDRO-DYNAMICS A Symposium

Edited by Rolf K. M. Landshoff. Contributions by Jan M. Burgers, Walter M. Elsasser, Fred Hoyle, Arthur Kantrowitz, Marshall Rosenbluth. . . . \$4.00
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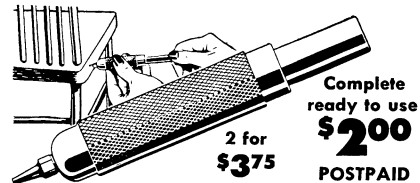
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THE ROSCOE B. JACKSON MEMORIAL LABORATORY TWENTY-EIGHTH ANNUAL REPORT 1956-1957—Earl L. Green, director—*Jackson Memorial Laboratory*, 77 p., illus., paper, free upon request direct to publisher, Bar Harbor, Maine, Describing briefly progress made in research programs during the year.

SAY IT CORRECTLY IN MODERN GREEK—George C. Pappageotes—*Dover*, 28 p., paper, plus two-sided 33 1/3 rpm record, \$1.00. Giving the tourist the phrases he needs for traveling, staying at a hotel, etc.

SO YOU WANT A GOOD MUSEUM: A Guide to the Management of Small Museums—Carl E. Guthrie—*American Association of Museums*, 37 p., paper, 50 cents. Intended to aid in correcting mistakes observed during a 3-year study of conditions in small museums.

STAR IDEAS IN SCIENCE TEACHING: A Selection From the Winning Entries in the 1956-57 Science Teacher Achievement Recognition Program—Abraham Raskin, Ed.—*National Science Teachers Association*, 47 p., illus., paper, free upon request direct to publisher, 1201 16th St., N. W., Washington 6, D. C.

THE STORY OF WOOL—*The Wool Bureau*, 24 p., illus., paper, 10 cents. A booklet of interest to students, housewives and others concerned with the purchase and use of wool fabrics.

TESTED DEMONSTRATIONS IN GENERAL CHEMISTRY—Compiled by Hubert N. Alyea—*Division of Chemical Education, American Chemical Society*, paper, \$1.50. To help and encourage high school chemistry teachers.

THIS WAY TO THE STARS—John M. Schealer—*Dutton*, 181 p., illus., \$2.95. Introducing children to the wonders of astronomy.

TRANSISTOR CIRCUITS—Rufus P. Turner—*Gernsback*, 160 p., diagrams, paper, \$2.75. Circuits tested by the author in his own laboratory and intended for the scientist, engineer and amateur experimenter.

TRANSISTORS WORK LIKE THIS—Egon Larsen—*Roy Publishers*, 64 p., illus., \$2.50. A book for children telling how these new devices work, how they are used, and how you can build your own transistor receiver.

VERTEBRATES OF THE UNITED STATES—W. Frank Blair and others—*McGraw-Hill*, 819 p., illus., \$12.00. Intended to serve as both a text and reference work for courses in vertebrate classification, ecology and natural history.

Science News Letter, September 21, 1957

CHEMISTRY

Nuclear Radiation Does Not Destroy Food Value

► CORN PROTEIN and wheat gluten sterilized by gamma rays from a nuclear reactor do not lose their nutritive value as foods, it was reported to the American Chemical Society meeting in New York.

University of Illinois scientists are carefully watching several generations of laboratory animals for signs of any possible genetic effects from irradiated diets. Drs. V. Chalam Metta and B. Connor Johnson reported irradiation did not produce off-flavors or odors and that the sterilized foods, in balanced diets, were completely acceptable to laboratory animals. However, in some cases irradiation changes the molecular structure of foods.

Dr. Metta said it is too early to make broad conclusions about the safety of radiation-sterilized foods, but experience with four generations of rats "has been encouraging and we feel there is room to hope the treated foods will prove safe." He anticipates another two years of study before a final report can be made.

Science News Letter, September 21, 1957

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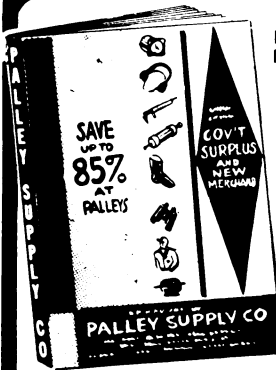
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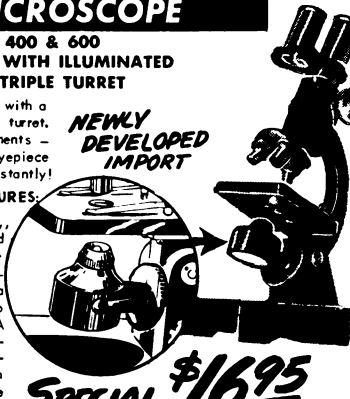
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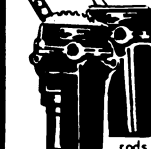
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