

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, priced at 95¢ or over, 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 PROTEIN CHEMISTRY, Vol. XIV—C. B. Anfinsen, Jr., and others, Eds.—*Academic*, 520 p., illus., \$14. Seven reviews on such subjects as the specificity of protein biosynthesis, and the sulfur chemistry of proteins.

ALASKA IN TRANSITION: The Southeast Region—George W. Rogers—*Johns Hopkins Press*, 384 p., photographs, maps, \$7. Thorough study of the Alaskan coastal strip bordering on British Columbia. Sponsored by the Arctic Institute and Resources for the Future.

BIRD WATCHING FOR BEGINNERS—Bruce Campbell—*Penguin*, rev. ed., 240 p., illus. by R. A. Richardson, 85¢. Discusses British birds and general problems of bird watching.

THE CIGARETTE HABIT: A Scientific Cure—Arthur King—*Doubleday*, 96 p., \$2. Offers heavy smokers a workable plan how to quit smoking without discomfort.

COMPLETE CHILD CARE in Body and Mind—I. Newton Kugelmass—*Twayne*, 415 p., \$6.95. Parent's guide to healthy growth and development of infant, child and adolescent.

A COURSE IN MATHEMATICAL ANALYSIS, 3 vols.—Edouard Goursat, transl. by E. R. Hedrick—*Dover*, 548 p., 259 p., 300 p., paper, \$2.25, \$1.65, \$1.65. The volumes cover applications to geometry, functions of a complex variable, and differential equations.

CRYSTALS AND CRYSTAL GROWING—Alan Holden and Phyllis Singer—*Doubleday*, 320 p., illus. paper, \$1.45. Suggests many experiments and problems in visualization and thought.

DESIGN AND PERFORMANCE OF GAS TURBINE POWER PLANTS—W. R. Hawthorne and W. T. Olson, Eds.—*Princeton Univ. Press*, 563 p., illus. \$15. Source book of present-day knowledge in the field of aircraft gas turbines.

THE ENGLISH CHANNEL: A History—James A. Williamson—*World Pub. Co.*, 381 p., illus., \$6. About the impact of nature and man on the English shore of the Channel.

EXPERIMENTS AND PROBLEMS IN GENERAL CHEMISTRY—A. W. Laubengayer—*Rinehart*, 311 p., illus., \$4.50. Laboratory manual and problem book.

THE FOUNDATIONS OF CHEMICAL KINETICS—Sidney W. Benson—*McGraw*, 703 p., \$13.50. Broad survey of the field of kinetics at senior and graduate level, emphasizing the kinetics of gas reactions.

FUNCTIONS OF A COMPLEX VARIABLE—James Pierpont—*Dover*, 583 p., paper, \$2.45. Reprint of 1914 edition.

FUNDAMENTALS OF GUIDED MISSILES—Air Training Command, U.S.A.F. and Technical Staff, Aero Publishers—*Aero Pubs.*, 575 p., illus., \$12.50. Covers aerodynamics, propulsion, instrumentation, electronic controls and guidance.

GLUTATHIONE: Biochemical Society Symposium No. 17—E. M. Crook, Ed.—*Cambridge Univ. Press*, 116 p., \$4.50. Reviews roles of glutathione as enzyme activator, in cell growth and division, its toxic action, and its connections with cataract, diabetes, radiation injury and metabolism of brain.

IS COLLEGE FOR ME?—Editors of *Sterling—Sterling*, 176 p., illus. by S. Elson, \$2.95. Helpful tips for the high school student.

MASERS: Microwave Amplification and Oscillation by Stimulated Emission—Gordon Troup—*Wiley*, 168 p., \$2.75. Theory and experimental work on masers.

MATHEMATICS REFRESHER: Easy, Clear, and

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Right from the Beginning—Kurt Wolter—*Philosophical Lib.*, 96 p., paper, 95¢. Summarizes general mathematics.

MEDIEVAL AND RENAISSANCE MEDICINE—Benjamin Lee Gordon—*Philosophical Lib.*, 843 p., illus., \$10. A history of medicine covering the millenium between Galen and Sydenham.

THE MISSILEMEN—Mel Hunter—*Doubleday*, 192 p., photographs by author and Bert Tanner, \$4.95. Word-and-picture story of life and work at Cape Canaveral, Fla.

NEW BIOLOGY 30—M. L. Johnson, Michael Abercrombie and G. E. Fogg, Eds.—*Penguin*, 125 p., illus., paper, 65¢. About egg formation in the hen, variegated foliage, boron and plant growth, and other subjects.

NO ROOM IN THE ARK—Alan Moorhead—*Harper*, 227 p., photographs, maps, \$5. About African peoples and wild animals, from Johannesburg to Khartoum.

ORCHIDS IN AUSTRALIA—Fred Moulen—*Edita S.A.-Lausanne (Branford)*, 148 p., 100 full-color photographs, \$15. Unusually beautiful presentation of cultured, hybridized orchids grown in Australia.

OUTLINE OF HUMAN GENETICS—L. S. Penrose—*Wiley*, 146 p., illus., \$2.50. Short presentation of genetics for the general reader.

PHYSICAL METALLURGY—Bruce Chalmers—*Wiley*, 468 p., illus., \$12.50. Basic textbook about the behavior of metals and alloys.

THE PHYSICS OF TELEVISION—Donald G. Fink and David M. Lutyens—*Doubleday*, 160 p., illus., paper, 95¢. One of the Science Study Series, offering a fresh approach to the teaching and study of physics.

PHYSICS QUESTIONS AND PROBLEMS WITH ANSWERS—Alexander Efron—*Rider, J. F.*, 52 p., illus., paper, \$1.50. Complementary problems book to basic physics text.

RACE FOR THE POLE—John Edward Weems, preface by Vilhjalmur Stefansson—*Holt*, 240 p., illus., \$4.50. The story of Peary's and Cook's claims to discovery of the North Pole, based on contemporary sources.

THE RED EXECUTIVE: A Study of the Organization Man in Russian Industry—David Granick—*Doubleday*, 334 p., \$4.50. Study of the Russian industrial manager's role, his education, background, and daily routine.

RESISTANCE AND RESISTORS—Charles L. Wellard—*McGraw*, 264 p., illus., \$8.50. Covers basic aspects of resistance and specific types of resistors. Bibliographies.

RINGS AROUND THE WORLD: Man's Progress from Steam Engine to Satellite—Heinz Gartmann, transl. from German by Alan G. Readett—*Morrow*, 366 p., illus., \$5.95. History of technology, in particular of transportation and communication.

ROCKET MANUAL FOR AMATEURS—Capt. Bertrand R. Brinley, foreword by Willy Ley—

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Ballantine, 382 p., illus., \$6; paper, 75¢. Introduction to the science of rocketry and guide to safe rocket procedures.

SO YOU WANT TO BE A SCIENTIST—Alan E. Nourse—*Harper*, 182 p., \$3. Tells young people what a scientist is, the similarities and differences between the various fields of science, and how to get the best training.

A SOURCE BOOK IN MATHEMATICS, Vols. I & II—David Eugene Smith—*Dover*, 701 p., illus., paper, \$1.85 each. Reprint of 1929 edition.

STIMULUS—Neil P. Ruzic, Ed.—*Scientific Research Pub. Co.*, 124 p., illus., \$6.75. Relates industrial progress to the science that made it possible, looks at space technology, psychology in industry, basic research and energy.

THE STORY OF BUTTERFLIES AND OTHER INSECTS—Peter Farb—*Harvey House*, 127 p., illus. by Kazuo Mizumura, \$2.95. Science book intended for grades 3 to 9.

THE STORY OF PLANETS, SPACE AND STARS—Gaylord Johnson, reviewed by Hugh S. Rice—*Harvey House*, 154 p., illus. by F. Angelini, \$2.95. Astronomy for young readers.

TEN THOUSAND CAREERS—Robert L. Thorndike and Elizabeth Hagen—*Wiley*, 346 p., illus., \$8.50. Outcome of a follow-up study of 7,000 men who were given aptitude tests in 1943.

TIMBER! Farming Our Forests—Walter Buehr—*Morrow*, 96 p., illus. by author, \$2.75. Forestry for young readers.

VETERINARY DRUGS in Current Use—Rudolph Seiden—*Springer Pub.*, 128 p., \$2.25. Alphabetical pocket book guide.

WAVES AND THE EAR—Willem A. van Bergeijk, John R. Pierce and Edward E. David, Jr.—*Doubleday*, 235 p., illus., 95¢. Interesting presentation of the physics of what we hear and how.

THE WILD MAMMALS OF MISSOURI—Charles W. and Elizabeth R. Schwartz—*Univ. of Mo. Press*, 341 p., illus. by C. W. Schwartz, \$5.95. A reference work for identification of 62 species.
Science News Letter, January 30, 1960

PUBLIC HEALTH

Relation Seen Between Dog Distemper, Measles

HUMANS may be responsible for some outbreaks of distemper, a serious disease of dogs, and the canines may be equally responsible for some measles epidemics.

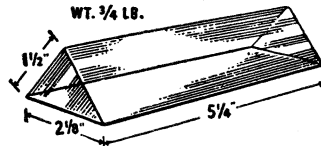
This is suggested by veterinarian Dr. J. W. Skaggs of the Kentucky State Department of Health. Both diseases cause similar symptoms: fever, cough, eye inflammation and, less frequently in dogs, a skin rash. In addition, the viruses that cause measles and distemper are closely related antigenically, Dr. Skaggs reports. in the *Journal of the American Veterinary Medical Association* (Vol 136, No. 1, Jan. 1).

It has already been shown that injecting a dog with the measles virus results in the animal's coming down with a "typical" case of distemper. There have been no reports that canine distemper virus will infect man, however.

There is some evidence, Dr. Skaggs said, that weakened canine distemper vaccine is an effective immunizing agent against human measles. Carefully controlled laboratory and field investigations are needed to determine whether chicken embryo-attenuated distemper vaccine is really effective and practical.

Science News Letter, January 30, 1960

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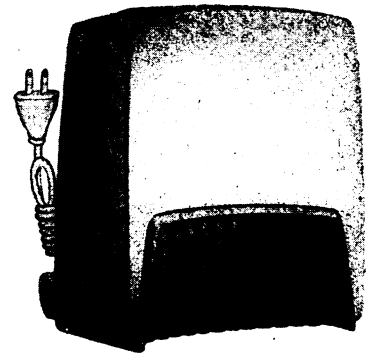
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