

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.

BEHAVIORAL SCIENCE Vol. 1, No. 1—Franz Alexander and others, Eds.—*Mental Health Research Institute, University of Michigan (Williams & Wilkins)*, 81 p., illus., paper, \$1.75 or \$6.00 per year. Stressing an interdisciplinary approach to behavior problems.

THE BEST OF HEALTH TO YOU—*American Dietetic Association*, 8 p., illus., paper, 10 cents. How to eat for pleasure and health, and how to eat to lose weight.

BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR: Volume 18, Number 5—*Columbia Technical Translations*, 105 p., illus., paper, \$20 or \$110 per year. The first of a series of English translations. This issue is concerned with beta and gamma spectroscopy.

CARNEGIE INSTITUTION OF WASHINGTON YEAR BOOK No. 54—Vannevar Bush, president—*Carnegie Institution*, 311 p., illus., paper \$1.00, cloth \$1.50. Including reports of departmental activities and of cooperative studies.

CEREBRAL PALSY, ITS SCOPE AND MANAGEMENT—Marguerite Abbott—*Public Affairs Committee*, Public Affairs Pamphlet No. 158 A, 28 p., illus., paper, 25 cents. Information and advice for the parents of a cerebral palsied child.

THE CHEMISTRY AND REACTIVITY OF COLLAGEN—K. H. Gustavson—*Academic*, 342 p., illus., \$8.00. Giving an outline of the chemistry of collagen in the light of modern concepts of proteins and protein reactions.

CHRISTOPHER'S TEXTBOOK OF SURGERY—Loyal Davis, Ed.—*Saunders*, 6th ed., 1484 p., illus., \$15.50. Presenting different subjects covered by separate authors as originally planned by Dr. Frederick Christopher some 20 years ago.

CURRENT THERAPY 1956: Latest Approved Methods of Treatment for the Practicing Physician—Howard F. Conn, Ed.—*Saunders*, 8th ed., 632 p., \$11.00. The practice of author rotation makes this a new book rather than just a revision of older editions.

DIAGNOSIS AND TREATMENT OF VASCULAR DISORDERS (ANGIOLOGY)—Saul S. Samuels, Ed.—*Williams and Wilkins*, 621 p., illus., \$16.00. For doctors in this new specialty.

ECONOMIC POLICY FOR AMERICAN AGRICULTURE—Research and Policy Committee—*Committee for Economic Development*, 42 p., illus., paper. Single copies free upon request to publisher, 444 Madison Ave., New York 22, N. Y.

THE EFFECT OF MOTHERS' DIETS ON THE

INTELLIGENCE OF OFFSPRING: A Study of the Influence of Vitamin Supplementation of the Diets of Pregnant and Lactating Women on the Intelligence of Their Children—Ruth F. Harrell, Ella Woodyard and Arthur I. Gates—*Teachers College, Columbia University*, 71 p., paper, \$1.00. Chief finding is that, under some circumstances, diet supplements do increase intelligence of babies.

EFFECTIVE COMMUNICATION ON THE JOB: A Guide to Employee Communication for Supervisors and Executives—M. Joseph Dooher and Vivienne Marquis, Eds.—*American Management Association*, 294 p., illus., \$5.50. Management tends to talk too much, and listen too little, declares one of the authors.

ENGINEERS' COUNCIL FOR PROFESSIONAL DEVELOPMENT, TWENTY-THIRD ANNUAL REPORT—L. F. Grant, president—*Engineers' Council*, 60 p., paper, \$1.00.

ENGINEERS' JOB DIRECTORY: The Professional Guide to Engineering and Scientific Positions—Oliver P. Bardes—*Decision*, 1956 ed., 87 p., illus., paper, \$3.25. The engineering graduate has no trouble in finding a job; the difficulty he faces is in making a choice among the many offers-he receives. Here are facts to help him.

FACTS OF LIFE AND LOVE FOR TEEN-AGERS—Evelyn Millis Duvall—*Association Press*, new, rev. ed., 426 p., illus., \$3.50. Originally based on 25,000 questions asked by teen-agers and now revised to reflect the present concerns of such young people.

THE FIRST BOOK OF GARDENING—Virginia Kirkus—*Franklin Watts*, 69 p., illus., \$1.95. Telling the beginning gardener of whatever age how to plan and work a garden.

FOOD POISONING—G. M. Dack—*University of Chicago Press*, 3d ed., 251 p., \$6.00. A reference book for physicians and health officers.

FORGET BIRTHDAYS—ENJOY GOOD EATING—*American Dietetic Association*, 6 p., illus., paper, 3 cents. What the older person should eat to prolong the prime of life.

FUNCTIONAL OTOTOLOGY: The Practice of Audiology—Morris F. Heller with Bernard M. Anderson and Ellis E. Singer—*Springer*, 225 p., \$5.50. For physicians and others working in the field.

A HISTORY OF THE CROATIAN PEOPLE FROM THEIR ARRIVAL ON THE SHORES OF THE ADRIATIC TO THE PRESENT DAY WITH SOME ACCOUNT OF THE GOTHIC, ROMAN, GREEK, ILLYRIAN, AND PREHISTORIC PERIODS OF THE ANCIENT ILLYRICUM AND PANNONIA: Volume 1, Prehistory and Early Period Until 1397 A.D.—Francis R. Preveden—*Philosophical Library*, 134 p., illus., \$7.50. Historical background for the understanding of these people.

HOW TO CHOOSE A CAMP FOR YOUR CHILD—Ernest Osborne—*Public Affairs Committee*, Public Affairs Pamphlet No. 231, 28 p., illus., paper, 25 cents. Help for parents in choosing a suitable camp.

HUNTINGTON'S CHOREA AND YOUR FAMILY—*Genetic Research Program*, 9 p., illus., paper, free upon request direct to publisher, Pouch A., Rochester, Minn. Helpful information for patients with this disease, sometimes called St. Vitus' dance, and for their families.

THE MEANING OF RELATIVITY: Including Relativistic Theory of the Non-Symmetric Field

—Albert Einstein—*Princeton University Press*, 5th ed., 169 p., \$3.75. This fifth edition contains the simplified relativistic field theory completely revised by Einstein and sent to the publisher just before his death. (See p. 163.)

NUMBER: THE LANGUAGE OF SCIENCE: A Critical Survey Written for the Cultured Non-Mathematician—Tobias Dantzig—*Doubleday*, 4th ed., 345 p., illus., paper, 95 cents. Reprint of a book, the first edition of which was published by Macmillan in 1930, dealing with the concepts of mathematics rather than operations.

ON THE TRACK OF PREHISTORIC MAN—Herbert Kuhn, translated from the German by Alan Houghton Brodrick—*Random House*, 211 p., illus., \$3.95. Describing the important prehistoric sites in France and Spain, and what they reveal of the lives of early men.

PALEOCENE MAMMALIAN FAUNAS OF THE BISON BASIN IN SOUTH-CENTRAL WYOMING—C. Lewis Gazin—*Smithsonian, Miscellaneous Collections*, Volume 131, Number 6, 57 p., illus., paper, \$1.00.

PET DALMATIAN—Evelyn S. Nelson—*Your Dalmatian's Health*—George Cameron—*All-Pets Books*, 64 p., illus., paper, \$1.00. About a lovable pet.

PET GERMAN SHORTHAIRED POINTER—Richard S. Johns—*Your Shorthair's Health*—J. F. Jones—*All-Pets Books*, 64 p., illus., paper, \$1.00. Authentic information for the pet owner.

PET MINIATURE SCHNAUZER—Marie Slattery—*Your Schnauzer's Health*—R. B. Rigler—*All-Pets Books*, 64 p., illus., paper, \$1.00. A small dog, but not a toy.

PET PUG—Filomena Doherty—*Ailments Common to the Pug*—Daniel T. Woolfe—*Training*—Roanne Sims—*All-Pets Books*, 64 p., illus., paper, \$1.00. This little dog is remarkably free of "doggy" odors and does not drool as many short-faced dogs do.

PHYSICS OF FULLY IONIZED GASES—Lyman Spitzer, Jr.—*Interscience*, 105 p., illus., paper \$1.75, cloth \$3.50. Designed for those who have had an introductory course in theoretical physics but otherwise are unacquainted with the detailed kinetic theory of gases.

PLASTICS PROGRESS 1955: Papers and Discussions at the British Plastics Convention 1955—Philip Morgan, Ed.—*Iliffe (Philosophical Library)*, 432 p., illus., \$17.50. The third volume of those that have appeared under this title in 1951, 1953 and now 1955.

THE PRESERVATION OF NATURAL HISTORY SPECIMENS: Volume One, Invertebrates—Reginald Wagstaffe and J. Havelock Fidler—*Philosophical Library*, 205 p., illus., \$10.00. A manual for the aid of students and their teachers.

THE PRESIDENCY TODAY—Edward S. Corwin and Louis W. Koenig—*New York University Press*, 138 p., \$3.00. An examination of what are the duties, responsibilities and prerogatives of the President and discussing what should be done in case he should be disabled while in office.

PROGRESS THROUGH RESEARCH: Armour Research Foundation Annual Report 1955—H. A. Leedy, director—*Armour Research Foundation*, 57 p., illus., paper, free upon request direct to publisher, 10 West 35th St., Chicago 16, Ill. Reporting a volume of research of more than \$10,000,000.

THE ROBOT ERA—P. E. Cleator—*Crowell*, 172 p., illus., \$3.75. In the days ahead, the author predicts, man will increasingly have to compete with mechanisms.

THE SECRET OF THE HITTITES: The Discovery of an Ancient Empire—C. W. Ceram, translated from the German by Richard and Clara Winston—*Knopf*, 291 p., illus., \$5.00. Only in

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the past few years have archaeologists solved the riddles that gave them the key to knowledge of the Hittites and their empire.

SEE THROUGH THE FOREST—Millicent Selsam—*Harper*, 46 p., illus., \$2.50. A book for children about the birds, animals and plants of the forest.

SIMULTANEOUS CONTACT-INSTRUMENT FLIGHT TRAINING—Alexander C. Williams, Jr., Robert C. Houston and Lowell E. Wilkerson—*University of Illinois Institute of Aviation*, University of Illinois Bulletin Volume 53, Number 42, 32 p., illus., paper, free upon request direct to publisher, Urbana, Ill. Reporting an investigation to determine the feasibility of incorporating both instrument and contact flight training in a private pilot syllabus.

THERMODYNAMICS AND STATISTICAL MECHANICS: Lectures on Theoretical Physics, Vol. V—Arnold Sommerfeld, Edited by F. Bopp and J. Meixner, Translated by J. Kestin—*Academic Press*, 401 p., illus., \$7.00. The author died while working on this volume. It was then completed by the editors.

ANTHROPOLOGY

Missionary-Killing Indians

► THE INDIANS responsible for the recent killing of five missionaries in eastern Ecuador are members of a tribe usually friendly to strangers who have been properly introduced, according to Dr. Matthew W. Stirling, director of the Smithsonian Institution's Bureau of American Ethnology.

The Indians, inaccurately called the Aucas, are described as "happy in disposition" by Dr. Stirling.

"They laugh and talk a great deal, although they are somewhat shy in the presence of whites until they have become well acquainted," Dr. Stirling reported. He has made a first-hand study of the neighboring Jivaro Indians, who hunt and shrink heads.

The term Auca (pronounced Owkah), according to Dr. Stirling, is not the name of any particular tribe. Auca is a Quechua term used in the Andean highlands to refer to any pagan Indian groups as contrasted with those who have adopted Christianity as their religion.

The Indians who did the recent killing are members of the Zaparo tribe, which lives between the Curare and Napo rivers, Dr. Stirling said.

He is not sure why the Indians attacked the missionaries, but he noted that white man's interference has been "generally disastrous" to the Zaparo tribe.

Historically, when the white man came in contact with the Zaparos, Dr. Stirling said, he brought many things, some of which had unfortunate consequences for the Indians. Among these Dr. Stirling cited new diseases, clothes that have an unhealthy effect on Indians in a hot climate, and interference with the Zaparo's patterns of living.

"They resented interference with their own religion and the attempt to substitute for it ideologies completely foreign to their own background and completely incomprehensible to them," Dr. Stirling stated.

THE TRUE BOOK OF ANIMALS OF THE SEA AND SHORE—Illa Podendorf—*Childrens Press*, 47 p., illus., \$2.00. A book for children.

THE TRUE BOOK OF TROPICAL FISHES—Ray Broekel—*Childrens Press*, 47 p., illus., \$2.00. To teach children about fish pets and how to care for them.

U. S. INFORMATION AGENCY 5TH REPORT TO CONGRESS—Theodore C. Streibert, director—*Govt. Printing Office*, 38 p., illus., paper, 20 cents. Reporting an intensive world-wide effort to broaden understanding of the United States.

YOUR BLOOD PRESSURE: And How to Live With It—William A. Brams—*Lippincott*, 160 p., illus., \$2.95. Written by a physician, this book is directed to the layman in order that he may learn the facts about blood pressure in its various phases.

YOUR MOST ENCHANTED LISTENER—Wendell Johnson—*Harper*, 215 p., \$3.00. About saying what you mean, and hearing and understanding what you say.

Science News Letter, March 17, 1956

Bans forbidding polygamy were a particular burden, according to Dr. Stirling. Because of the high death rate among the men of this warring, hunting people, women were always a surplus.

"Inevitably, sooner or later, the Indians revolted against this restriction on their liberties," Dr. Sterling said.

In the more remote regions where there was virtually no white population, as among the Zaparos and Jivaros, these revolts were successful and the mortality rate among missionaries was high.

Any number of things could have brought on the recent attack, "but it would have been cause enough for the Zaparos if they realized that their visitors from the sky were missionaries," the ethnologist stated.

The Zaparo Indians, Dr. Stirling noted, are very much like the other primitive tribes of the eastern Andes. They have no political or tribal organization. Instead of living in a village, they live in a single community house. They seldom stay more than a few years in one locality. They have no chiefs or leaders.

Medicine men, believed by the natives to control supernatural forces, are the most influential persons in a given community.

Dr. Stirling does not think the missionaries' airplane scared the Indians. They are not afraid of the complicated modern inventions, he said, but rather of simpler things.

"The occasional killing of a few people is an oft-repeated pattern that has been going on for the past four centuries and which will probably continue as long as efforts are made to change their way of life," Dr. Stirling concluded.

Science News Letter, March 17, 1956

A scale has been especially designed and built for the sole purpose of weighing a meteorite believed to weigh between 36 and 37 tons.

• RADIO

Saturday, March 24, 1956, 2:05-2:15 p.m. EST
"Adventures in Science" with Watson Davis, director of Science Service, over the CBS Radio Network. Check your local CBS station.

Dr. Aaron Beller, chief of department of neurosurgery, Hadassah University Medical School and Hospital, Jerusalem, will discuss "Progress in Neurosurgery."

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