

# 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.

**ANCIENT ARTS OF THE ANDES**—Wendell C. Bennett with an introduction by Rene D'Haroncourt—*Museum of Modern Art*, 187 p., illus., \$6.50. A beautifully illustrated book describing the lovely work of early peoples of Peru and neighboring countries.

**ATLAS OF EXFOLIATIVE CYTOLOGY**—George N. Papanicolaou—*Harvard University Press*, 198 p., illus., looseleaf, \$18.00. The cells considered here are of especial interest in the study of the reproductive organs of women, and because of their importance in the diagnosis of certain pathological conditions, particularly cancer. The color plates are outstanding.

**CARNEGIE INSTITUTION OF WASHINGTON YEAR BOOK No. 52, JULY 1, 1952-JUNE 30, 1953**—Vannevar Bush, President—*Carnegie Institution*, 309 p., illus., paper, \$1.00, cloth \$1.50. The first part is devoted to the financial report and other legal documents; the second part to an account of researches conducted during the year.

**THE CHALLENGE OF MAN'S FUTURE: An Inquiry Concerning the Condition of Man During the Years That Lie Ahead**—Harrison Brown—*Viking*, 290 p., illus., \$3.75. A geochemist looks at the serious problem of how the increasing peoples of the world are to be fed and furnished with energy and other necessities.

**DAHLIAS FOR EVERY GARDEN**—Marian C. Walker—*Barrows*, 128 p., illus., \$2.95. The editor, Helen VanPelt Wilson, points out that the enormous show model of dahlia has had so much attention that the charming little dahlias, finest summer-to-frost flowers, need re-discovering.

**DINOSAURS**—Herbert S. Zim—*Morrow*, 64 p., illus., \$2.00. A book for children on these strange creatures and the changes they underwent over 100,000,000 years. Some of the scientific informed guesses about why they vanished from the earth are given.

**ELEMENTS OF STATISTICS**—H. C. Fryer—*Wiley*, 262 p., \$4.75. Textbook for an introductory college course.

**FOR A SCIENCE OF SOCIAL MAN: Convergences in Anthropology, Psychology, and Sociology**—

John Gillin, Ed.—*Macmillan*, 289 p., \$4.00. This book aims to bring about an interdisciplinary integration of research on man.

**FROM FISH TO PHILOSOPHER**—Homer W. Smith—*Little, Brown*, 264 p., illus., \$4.00. The regulation of the internal environment of man, his body chemistry, has played an important role in evolution. This book is based in part on studies, by the author, of the comparative physiology of the kidney and field studies on the lungfish in Central Africa.

**THE HAND-PRODUCED BOOK**—David Diringer—*Philosophical Library*, 603 p., illus., \$15.00. The author points out that the history of the book is one of the most fragmentary chapters in the story of civilization.

**THE HEART STORY: 1953 Annual Report of the American Heart Association**—*American Heart Association*, 44 p., illus., paper, free upon request direct to publisher, 44 East 23d St., New York 10, N. Y. An account of a 30-year fight against a leading killer.

**HOW TO ATTRACT AND HOLD ENGINEERING TALENT**—*Professional Engineers Conference Board for Industry and National Society of Professional Engineers*, 60 p., illus., paper, \$2.00. Although the supply of young graduates is diminishing, American industry provides an unprecedented demand for technically trained personnel.

**HOW TO USE METERS**—John F. Rider—*Rider*, 140 p., illus., paper, \$2.40. A practical book for the electronic maintenance technician and radio amateur.

**I WAS A VERY SICK MAN: BUT I DIDN'T KNOW IT**—*National Committee on Alcoholism*, 28 p., illus., paper, 50 cents. Published to aid alcoholics, their families and associates in understanding the sickness and to show what can be done to help the sufferer.

**INDEX OF NACA TECHNICAL PUBLICATIONS, JUNE, 1951-MAY, 1953**—Division of Research Information, NACA—*National Advisory Committee for Aeronautics*, 230 p., paper, free upon request direct to author, 1724 F Street, N. W., Washington, D. C.

**INTRODUCTORY COLLEGE MATHEMATICS**—Chester George Jaeger and Harold Maile Bacon—*Harper*, 382 p., \$4.75. Textbook for students who feel that they can devote no more than a year to mathematics and do not want to spend this brief time on some limited compartment of the subject.

**LABORATORY STUDIES IN BIOLOGY**—Addison E. Lee and Osmond P. Breland—*Harper*, 253 p., illus., paper, \$3.50. Designed to fit a weekly two-hour laboratory period for a two-semester college course.

**LECTURES ON THE THYROID**—J. H. Means—*Harvard University Press*, 113 p., illus., \$3.00. Lectures expressing thoughts drawn from the author's 40-year study of the thyroid gland.

**METHODS OF ALGEBRAIC GEOMETRY: Volume III, Book V, Birational Geometry**—W. V. D. Hodge and D. Pedoe—*Cambridge University Press*, 336 p., \$7.50. For readers already trained in classical methods who want to acquire the new and powerful tools of modern algebra.

**THE NATURAL MAN: As Inferred Mainly From Field Studies of Men and Chimpanzees**—Clarence Leuba—*Doubleday*, 65 p., paper, 95

cents. There is actually no such thing as a "natural man" apart from environmental influences. Even study of "wolf children" cannot show us what he would be like. But this is an attempt to infer what are his limitations and capacities.

**OPERATING PRINCIPLES OF THE LARGER FOUNDATIONS**—Joseph C. Kiger—*Russell Sage Foundation*, 151 p., \$2.50. Telling why foundations were founded, how they operate, what good they do and some of the problems they face.

**OUT OF WEDLOCK: A Study of the Problems of the Unmarried Mother and Her Child**—Leontine Young—*McGraw-Hill*, 261 p., \$4.00. Based on long study of the problem. The author, a professor of social work, has found that few of these girls are especially interested in men, in fact they often lack normal social and romantic contacts.

**PARKING AS A FACTOR IN BUSINESS: Containing Five Papers Presented at the Thirty-Second Annual Meeting January 13-16, 1953**—*Highway Research Board, Special Report 11*, 25 p., illus., paper, 75 cents. These are preliminary pages for the forthcoming report, and they contain a foreword and a review of the major findings.

**PHYSICS: The Story of Energy**—H. Emmett Brown and Edward C. Schwachtgen—*Heath*, 2d ed., 596 p., illus., \$3.80. A high school text that attempts to make the student aware of scientific method as well as facts.

**PREHISTORIC WORLD: Stories of Animal Life in Past Ages**—Carroll Lane Fenton—*John Day*, 126 p., illus., \$2.75. A book for children, introducing to them the strange creatures that lived in the long ago.

**THE PSYCHIATRIC AIDE: His Part in Patient Care**—Alice M. Robinson with foreword by Walter E. Barton—*Lippincott*, 186 p., illus., \$3.00. Nowadays we demand that mental hospitals be more than places of safe custody; nurses and aides are expected to create a therapeutic climate in which patients can recover.

**PSYCHOSOMATIC CASE BOOK**—Roy R. Grinker and Fred P. Robbins—*Blakiston*, 346 p., \$6.50. Demonstrating through clinical histories how psychiatric concepts and methods add to the understanding and management of illness.

**RACCOON FAMILY PETS**—Leonore Brandt—*All-Pets*, 48 p., illus., paper, \$1.25. Information for the pet owner about the care of not only the raccoon but the kinkajou and coati-mundi.

**RADIO TROUBLESHOOTING GUIDEBOOK: Volume 1**—John F. Rider and J. Richard Johnson—*Rider*, 140 p., illus., paper, \$2.40. Hints for the serviceman to aid him in locating what is wrong with a radio.

**RECEIVING TUBE SUBSTITUTION GUIDEBOOK: Second Supplement Featuring TV Picture Tubes**—H. A. Middleton—*Rider*, 48 p., illus., paper, 99 cents. For servicemen and those owners with courage enough to want to service their own televisions.

**ROCKET PROPULSION: With An Introduction to the Idea of Interplanetary Travel**—Eric Burgess—*Chapman & Hall (Macmillan)*, 2d ed., 235 p., illus., \$4.50. This new edition brings the book up-to-date by replacing most of the early work on rockets. The author is fellow of the British Interplanetary Society.

**THE ROLE OF EDUCATIONAL INSTITUTIONS IN MILITARY RESEARCH**—Robert E. Cron, Jr.—*Carnegie Press Occasional Papers Number Three*, 22 p., paper, \$1.00. "In ancient times," the author reminds us, "Wars were fought by professional armed forces." Today, they represent conflicts between whole nations and combinations of nations. Educational institutions play a major part.

**GO PLACES**  
LISTEN and LEARN A  
**LANGUAGE** by  
**LINGUAPHONE** IN 20  
MINUTES  
A DAY

World's-Standard CONVERSATIONAL METHOD

**FRENCH** AT HOME, you learn another language—easily, quickly, naturally by LINGUAPHONE. You LISTEN—you hear native men and women speak—you understand—YOU SPEAK! World-wide educational endorsement; a million home-study students of all ages. STOP Wishing — START Talking. Write Today for Free Book, "Passport to a New World of Opportunity."

**SPANISH**  
**RUSSIAN**  
**GERMAN**  
**ITALIAN**  
**JAPANESE**

**LINGUAPHONE INSTITUTE**  
3103 RCA Building, N. Y. 20, N. Y.  
Send me your FREE book. Language interest. . . .  
Name . . . . .  
Address . . . . .  
City, Zone & State . . . . .  
Our 50th Yr. of Up-to-Date Language Courses

**RUM JUNGLE**—Alan Moorehead—*Scribner's*, 181 p., illus., \$3.50. Rum Jungle is located in a wild region of northern Australia. An Australian born journalist here pictures for you the people who live there, the wildlife, and even the fabulous rocket range and the dugong which, the author tells us, is the basis for the myth of the mermaid.

**THE SECRET OF THE GREEN THUMB**—Henry T. Northen and Rebecca T. Northen—*Ronald Press*, 431 p., illus., \$5.00. Written to give gardeners the scientific facts on which all gardening methods must be based. You acquire a "green thumb," the authors explain, only when you understand what goes on in the plants themselves.

**A SOURCE-BOOK OF MEDICAL TERMS**—Edmund C. Jaeger with foreword by Irvine H. Page—*C. C. Thomas*, 145 p., illus., \$5.50. An alphabetical list with explanatory material about prefixes and suffixes and word formation.

**SOURCES OF INFORMATION AND UNUSUAL SERVICES: A Guide to Organizations and Agencies Which Are Sources of Information of General and National Interest, or Which Render Unusual Services**—Jewel Alexander, Ed.—*Informational Directory Company*, 3d ed., 64 p., paper, \$2.00. Listed alphabetically by subject.

**SYMBOLIC WOUNDS: Puberty Rites and the Envious Male**—Bruno Bettelheim—*Free Press*, 286 p., illus., \$4.75. Watching children at a special school for mentally ill or emotionally disturbed youngsters, the author noted many similarities between their beliefs and behavior and those of primitive peoples.

**TV TROUBLESHOOTING AND REPAIR GUIDE-BOOK: Volume 2**—Robert G. Middleton—*Rider*, 160 p., illus., paper, \$3.30. A practical book for the television technician.

**TEAMWORK IN RESEARCH**—George P. Bush and Lowell H. Hattery, Eds., foreword by Howard A. Meyerhoff—*American University Press*, 191 p., illus., \$4.00. In which a team of collaborators discuss whether the research team has replaced the solitary expert in investigation or whether each has a special contribution to make to the sum of scientific knowledge.

**THEY WENT WRONG**—Croswell Bowen—*McGraw-Hill*, 264 p., \$3.50. A group of six true-life crime stories. The author, a magazine-newspaper writer, tells in each case what appear to him to be elements in the lives of the criminals that led to the tragic events.

**UNTIL THE DOCTOR COMES: Or, First Aid in a Nutshell**—Louis H. Merker—*Sheridan House*, 256 p., illus., \$3.50. An informal, readable book on first aid, telling what *not* to do as well as what to do.

Science News Letter, March 20, 1954

#### TECHNOLOGY

### Bag-Wheeled Army Vehicle No Sad Sac

► **THE ARMY** Transportation Research and Development Command has been experimenting with a revolutionary vehicle that uses inflated bags for wheels.

Called the "Rolligon," the vehicle is driven by rollers which press against its baggy wheels, causing them to turn. In contrast to ordinary trucks, no power is provided at the wheel axles. (See SNL, April 4, 1953, p. 215.)

Science News Letter, March 20, 1954

#### MARINE BIOLOGY

### Cheap Fertilizer, Animal Feeds From Seaweed

► **CHEAP ANIMAL** feeds and a combined fertilizer and soil conditioner can be made from the seaweeds that abound along Canada's Atlantic coast.

The Maritime Regional Laboratory at Halifax, Nova Scotia, was opened by the National Research Council of Canada in 1952 to find new uses for the seaweed, mostly rockweed or kelp. The seaweed is dried and ground to form a meal.

Feeding experiments with poultry and bacon hogs have already shown that seaweed meal can be used as a supplement to animal feeds, or as a substitute for certain feed elements such as ground oats.

About 40% of the meal is a carbohydrate that contains a large amount of polysaccharides. These hold moisture in the soil and serve as a soil conditioner. The mineral content of the meal is high, adding to its value as a fertilizer.

Meal made from rockweeds is rich in protein. The protein is relatively complete, lacking only two of the essential amino acids.

Seaweeds are also a good source of vitamins. They contain carotene, vitamin B-1 or thiamine, vitamin B-2 or riboflavin, vitamin B-12 or cobalamin, and vitamin C.

Science News Letter, March 20, 1954

# INTERLINGUA A PRIME VISTA

## Learn INTERLINGUA AT SIGHT!

**INTERLINGUA, the language that makes faraway peoples your next-door neighbors.**

**They speak your language — You speak theirs!**

## READ IT AT SIGHT!

## MASTER IT IN A MATTER OF WEEKS!

**It's a new and thrilling experience to discover that 600,000,000 people read INTERLINGUA — your language and theirs!**

Order **INTERLINGUA A PRIME VISTA (\$2.00)** from your bookseller  
**Science Service, 1719 N Street, N.W., Washington 6, D. C.,** or  
**Storm Publishers, 80 East 11th Street, New York 13, N. Y.**

Name ..... Address .....

City ..... State .....

Bill me  Payment Enclosed