

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.

ABOUT BOOKS AND CHILDREN: Historical Survey of Children's Literature—Bess Porter Adams—*Holt*, 573 p., illus., \$6.00. To acquaint parents and teachers with the story-book world in which children spend many of their waking hours.

AMERICAN SCHOLARSHIP IN THE TWENTIETH CENTURY—Merle Curti, Ed.—*Harvard University Press*, 252 p., \$4.50. A cooperative endeavor reviewing the achievements of American scholarship in the last 50 years, and their relations to each other and to American life. Six distinguished authors have taken part in the work.

BASIC BODY MEASUREMENTS OF SCHOOL AGE CHILDREN: A Handbook for School Officials, Architects, and Design Engineers in Planning School Buildings, Furniture and Equipment—W. Edgar Martin—*U. S. Office of Education*, 74 p., illus., paper, single copies free upon request direct to publisher, Washington 25, D. C. Useful to all concerned with the sizes of children of various ages. (See p. 169.)

THE BIG 3 AND 1 MORE MAKES 4—Andrew J. White—*Motor Vehicle Research*, 64 p., illus., paper, \$2.00. Describing exhaustive tests on Plymouth, Ford, Chevrolet and Willys automobiles.

BUSINESS PLANNING IN A CHANGING WORLD—Lewis E. Lloyd and others—*American Management Association*, 51 p., illus., paper, \$1.25. How and why you should make future plans for your business.

CLINICAL SONNETS—Merrill Moore—*Twayne*, ed., 71 p., illus., \$2.75. A psychiatrist-poet gives us extraordinary, revealing glimpses into the souls of ordinary people. The pen and ink sketches will add to your enjoyment of these sonnets.

COMPANY PRACTICES IN MARKETING RESEARCH—Richard D. Crisp—*American Management Association*, 63 p., paper, \$2.50. Results of a survey of companies of various sizes conducted in the summer of 1952, supplemented with background material helpful in interpreting them.

THE CHEMISTRY WE USE: Experiments For the Home Lab—Burton L. Hawk—*Science Service*, 87 p., illus., \$2.00. About the chemistry of things most of us just take for granted—air, food, water, clothing, etc.

A COMPREHENSIVE AGRICULTURAL PROGRAM FOR PUERTO RICO—Nathan Koenig—*Govt. Printing Office*, 299 p., illus., paper, \$1.75. A study of the problems of people and their land in an area where both people and land have long been underemployed and undernourished.

DIRECTIONAL CHANNELIZATION AND DETERMINATION OF PAVEMENT WIDTHS—Eugene Maier, Chairman—*National Academy of Sciences-National Research Council*, Highway Research Board Bulletin 72, 49 p., illus., paper, 75 cents. Discussion of highway designs intended to relieve congestion and prevent accidents.

FATIGUE OF METALS—R. Cazaud—*Philosophical Library*, 334 p., illus., \$12.50. In compiling this book, the author has used only those results that have been obtained with completely defined metals and alloys under known conditions of test.

15TH ANNUAL REPORT FOR THE YEAR ENDED DECEMBER THIRTY-FIRST 1952—Basil O'Connor, president—*National Foundation for Infantile Paralysis*, 96 p., illus., paper, free upon request direct to publisher, 120 Broadway, New York 5, N. Y. Appealing photographs add to the human interest of this story.

GEOLOGICAL INVESTIGATIONS OF STRONTIUM DEPOSITS IN SOUTHERN CALIFORNIA—Cordell Durrell—*California Division of Mines*, Special Report 32, 48 p., illus., paper, \$1.25. Giving the location, with maps, of the deposits and describing them.

GLACIER VARIATIONS AND CLIMATIC FLUCTUATIONS—H. W. Son Ahlmann—*American Geographical Society*, 51 p., illus., \$2.50. The author was for three years president of the Commission on Snow and Ice of the International Association of Hydrology.

THE GREEN AND RED PLANET: A Physiological Study of the Possibility of Life on Mars—Hubertus Strughold—*University of New Mexico Press*, 107 p., illus., \$4.00. For those who like to speculate on the chances of life on Mars, here is a physiologist's contribution.

LETTERS ON ART AND LITERATURE—Francois Mauriac—*Philosophical Library*, 120 p., \$3.00.

A French Catholic writer here expresses informally his thoughts on a variety of subjects.

MAKING THE MOST OF YOUR HUMAN RESOURCES—Matthew Radom and others—*American Management Association*, 76 p., paper, \$1.25. Papers devoted to the problem of making the best use of personnel.

MAN ON HIS NATURE—Sir Charles Sherrington—*Doubleday Anchor*, 2d ed., 316 p., paper, 85 cents. An inexpensive edition of a book originally published in 1951. Concerned mainly with human consciousness.

THE MAYFLIES, OR EPHEMEROPTERA, OF ILLINOIS—B. D. Burks—*Natural History Survey*, 216 p., illus., paper, free to individuals upon request direct to publisher, Natural Resources Building, Urbana, Ill. There are over 550 different species of mayflies known for North America north of Mexico. This report includes 48 genera and 222 species.

MAY'S MANUAL OF THE DISEASES OF THE EYE: For Students and General Practitioners—Charles A. Perera—*Williams and Wilkins*, 21st ed., 512 p., illus., \$6.00. A compact and exact guide to all the diseases of the eye.

MECHANISM OF CORTICOSTEROID ACTION IN DISEASE PROCESSES—Oscar Hechter and Gregory Pincus and others—*New York Academy of Sciences*, 192 p., illus., paper, \$3.50. Papers contributed by men intensively engaged in the biochemical and physiological investigations in the field.

MORE CLINICAL SONNETS—Merrill Moore—*Twayne*, 72 p., illus., \$3.00. The warning label on the jacket, "Warning: May Be Habit-Forming," should be placed on every one of these delightful books of sonnets. Dr. Moore, a psychiatrist, has a way of distilling into 14 lines the essence of his patients' souls.

MOST-OFTEN-NEEDED 1953 RADIO DIAGRAMS AND SERVICING INFORMATION—M. N. Beitman—*Supreme*, 192 p., illus., paper, \$2.50. Here you will find what you need to service recent radio sets, including FM and AM, auto radios, portables, and sets using printed circuits.

NEW SCREEN TECHNIQUES—Martin Quigley, Jr., Ed.—*Quigley Pub. Co.*, 208 p., illus., \$4.50. Discussing three new motion picture techniques: 3-D pictures, wide screen pictures and stereophonic sound.

POTSHERDS: An Introduction to the Study of Prehistoric Southwestern Ceramics and Their Use in Historic Reconstruction—Harold S. Colton—*Northern Arizona Society of Science and Art*, 86 p., illus., \$3.00. What our forefathers threw away as junk is now carefully sorted and studied by archaeologists who wring from this source the story of life in ancient times.

PROFITABLY USING THE GENERAL STAFF POSITION IN BUSINESS—Lyndall F. Urwick and Ernest Dale—*American Management Association*, 35 p., illus., paper, \$1.25. Since the days of ancient Egypt, the general staff has aided the commander of armies. Here is shown how the same idea can be applied to the working of industry.

A REFRESHER COURSE IN MATHEMATICS—F. J. Camm—*Emerson*, 240 p., \$2.95. Intended for those who have previously mastered the subject but have forgotten fundamental fact, but it can also be used by those new to the field.

Tungsten-Mercury Uranium

find

vital war metals!

with Ultra-Violet

MINERALIGHT

MINERALIGHT instantly identifies tungsten, mercury and many other valuable minerals now in great demand for rearmament. MINERALIGHT models for every requirement. Money-back guarantee.

ACTUAL ATOMIC BLAST SAMPLE!
Send 25c for new mineral specimen from 1st atomic blast at Alamogordo, New Mexico.

FREE! Send for brochure SNL "Prospecting for Scheelite (tungsten) with Ultra-Violet."

ULTRA-VIOLET PRODUCTS, INC.
145 Pasadena Ave., South Pasadena, Calif.

SCIENTIFIC CAR TESTING: Highway Laboratory on Wheels—Andrew J. White—*Motor Vehicle Research*, 72 p., illus., paper, \$2.00. Telling what it takes to give you accurate scientific information about the capabilities and shortcomings of the car you buy.

SOIL TEMPERATURE AND GROUND FREEZING—James F. Haley and others—*National Academy of Sciences-National Research Council*, Highway Research Board Bulletin 71, 124 p., illus., paper, \$1.80. Reports of studies in the laboratory and in practical situations.

THEORETICAL ANTHROPOLOGY—David Bidney—*Columbia University Press*, 506 p., \$8.50. For advanced students of anthropology, this book is the product of a decade of research in the interdisciplinary field of cultural anthropology and social philosophy. The author is best known as a philosopher.

WHAT'S INSIDE THE EARTH?—Herbert S. Zim—*Morrow*, 32 p., illus., \$1.75. A picture book from which parents as well as children can learn something of the structure of the earth on which we walk.

Science News Letter, September 12, 1953

ENTOMOLOGY

Praying Mantis Preys on Insects

See Front Cover

➤ **ENDOWED BY** nature with a voracious carnivorous appetite, the praying mantis will devour everything from the carcasses of dead field mice to hummingbirds, if it can catch them. Its preferred diet, however, consists of other insects, smaller than himself.

About this time of year, when the mantises come in season, people often consider rearing these cannibals as insect-destroyers. There is, however, a drawback to this idea. The mantis will eat all kinds of insects, and among them, those that do a much better job of eating insect pests than the mantis itself does.

The praying mantis shown on the cover of this week's SCIENCE NEWS LETTER is a young one, as indicated by short wing pads. Mature individuals of the species, *Tenodera*, have long wings that cover the abdomen.

Science News Letter, September 12, 1953

YOUR HAIR

Its Health, Beauty and Growth

By Herman Goodman, M.D.

A medical specialist tells you what to do to save and beautify your hair, stimulate healthier hair growth, and deal with many problems, as: Dandruff—gray hair—thinning hair—care of the scalp—baldness—abnormal types of hair—excessive oiliness—brittle dryness—hair falling out—infection—parasites—hair hygiene—glands—diet—coloring—and myriad other subjects concerning hair.

"Discusses the many problems of hair retention, regrowth and removal."—*Science News Letter*.

287 pages—**PROFUSELY ILLUSTRATED!**

Price \$2.95, Incl. postage, 5-day-Money-Back Guarantee

EMERSON BOOKS, Inc., Dept. 674-H
251 W. 19th Street, New York 11

MEDICINE

Discover New Virus Which May Be Polio

➤ A NEW virus that may turn out to be a fourth type of polio virus has been discovered by Drs. Alex J. Steigman and U. Pentti Kokko and Miss Rosalie J. Silverberg of the Kentucky Child Health Foundation Research Laboratory and the University of Louisville.

They call it Kentucky virus.

The new virus was recovered from the spinal cord of a child who died of true poliomyelitis in the 1952 epidemic. It is not related to the three standard types of polio virus.

The fact that it was in such a deep structure as the spinal cord suggests that it may be a polio virus and the cause of the disease that killed the child. This will not be known until further study has been made.

Meanwhile the Kentucky scientists have reported the new virus to the *Journal of the American Medical Association* (July 11) so that scientists during the current polio season will inspect spinal cord material from persons who die of the disease. If a hitherto unrecognized type of polio virus exists, it would be important to know that during epidemics and in connection with development of a vaccine against the disease.

Science News Letter, September 12, 1953

SOCIOLOGY

Spend Time in Prison To Study Embezzlement

➤ A SOCIOLOGIST has scientifically studied the problem of embezzlement—swiping the boss's money—and decided that it results from three factors:

1. The development of a financial problem which the embezzler does not feel he can share with anyone.
2. The perception that access to other people's money presents a possible solution to the problem.
3. The rationalization of pseudo-legitimate ground for misusing the money.

The sociologist is Dr. Donald Cressey of the University of California at Los Angeles, who has spent several years studying embezzlement case histories. His research took him into the Illinois State Prison, Joliet, Ill., the United States Penitentiary at Terre Haute, Ind., and the California Institute for Men at Chino, Calif.

How can embezzlement be checked?

"Provision for company counselors who know employees intimately might prevent many non-sharable problems from arising," Dr. Cressey says. "Or educational programs might condition employees with such problems to avoid rationalizations so that 'borrowing' becomes synonymous with 'stealing.' The latter program is based on the fact that most embezzlers do not want to identify themselves with criminal activity."

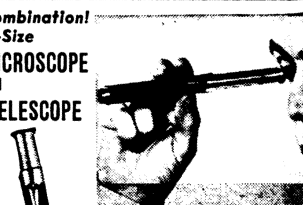
Science News Letter, September 12, 1953

SENSATIONAL OPTICAL BARGAINS

New! 2 in 1 Combination!
Pocket-Size

50 POWER MICROSCOPE
and
10 POWER TELESCOPE

ONLY \$4.50 p.p.d.



Useful Telescope and Microscope combined in one amazing, precision instrument. Imported! No larger than a fountain pen. Telescope is 10 Power. Microscope magnifies 50 Times. Sharp focus at any range. Handy for sports, looking at rare objects, just plain sniping. Wonderful Xmas gift.

Send Check or M.O. Satisfaction Guaranteed

Order Stock #30,059-Q \$4.50 p.p.d.

YOUR CHANCE TO OWN A VERY FINE INSTRUMENT

IMPORTED MICROSCOPES

100, 200, 300 POWER

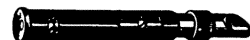
ONLY \$14.95 Postpaid

1 Ocular
3 Objective Lenses.
Rack & Pinion Focusing.



Good optical qualities. Fine focusing. Certainly not the equal of a \$200 instrument—but definition is surprisingly clear and good... in fact amazingly so at this price. Revolving disc-light, adjustable mirror. Square Stage (2 1/2" x 2 1/2") with slide clamps. Serviceable construction. The greatest microscope bargain on the market! TRY IT FOR 10 DAYS if you're not completely satisfied your money will be refunded in full. Instrument comes packed in sturdy, hardwood case.

Stock No. 70,008-Q.....\$14.95 Postpaid



POCKET MICROSCOPE

Adjustable! 20, 40, 80 POWER!

A compact, imported, handy precision instrument of many uses. Select power you want, then focus sharply by turning special micro-focus ring. Good quality optics. Full satisfaction guaranteed.

Stock #30005-Q.....Only \$3.95 Postpaid

DIFFRACTION SPECTROSCOPE

Uses grating replica instead of prisms. Enables you to see what your photographic filters do to see color characteristics of your photo light sources. You can attach to your camera for taking spectrograms. A wonderfully useful and practical instrument. Imported from England. A real bargain.

Stock No. 50,020-Q.....\$14.70 Pstpd.



IMPORTED 30 POWER TELESCOPE

Complete With Tripod Unusual Bargain Price

Excellent for amateur astronomers. All metal body—focuses from approx. 40 ft. to infinity. Achromatic objective—40 mm. dia.—outside surface low reflection coated. Smooth slide focusing eyepiece. Eyelens outside surface coated. Lens erecting system. Images right side up. Sturdy tripod 8 1/2" high. Can be used also for camera. Max. length 26 1/2". Barrel diam. approx. 1 1/4". Weight 1 1/2 lbs.

Stock No. 70,018-Q.....Only \$21.95 Postpaid

IMPORTED BABY MICROSCOPE 50 Power—Only 5" High

A little gem, gives astoundingly sharp definition optical qualities, hinged base for inclined easy viewing, easy-to-use pinion focusing. Circ. stage, revolving disc-light mirror.

Stock No. 50,000-Q....\$4.00 Postpaid

SIMPLE LENS KITS! Kits include plainly written illustrated booklet showing how you can build lots of optical items. Use these lenses in experimental optics, building TELESCOPES, low power Microscopes, etc.

Stock #2-Q—10 lenses.....\$ 1.00 Postpaid

Stock #5-Q—45 lenses.....\$ 5.00 Postpaid

Stock #10-Q—80 lenses.....\$10.00 Postpaid

WE Have Literally Millions of WAR SURPLUS LENSES AND PRISMS FOR SALE AT BARGAIN PRICES. ALSO DOZENS OF LOW COST IMPORTED INSTRUMENTS.

Write for Catalog "Q"—FREE! Order by stock No. Send Check or M.O. Satisfaction Guaranteed!

EDMUND SCIENTIFIC CORP.

BARRINGTON, NEW JERSEY