

# 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.

**ASTROLOGY AND ALCHEMY: Two Fossil Sciences**—Mark Graubard—*Philosophical Library*, 382 p., illus., \$5.00. The author, a physiologist, expresses the belief that these subjects should not be considered mere superstition but as sets of attractive hypotheses no longer suited to the modern world and so become fossil ideas.

**BIOLOGICAL TRANSFORMATIONS OF STARCH AND CELLULOSE**—R. T. Williams, Ed.—*Cambridge University Press*, 84 p., illus., paper, \$2.25. By far the greater part of the carbon in the vegetation of the world is found in starch and cellulose.

**THE BURL IVES SONG BOOK**—Burl Ives, Ed.—*Ballantine Books*, 276 p., illus., paper 50 cents, cloth \$5.00. Preserving for the future many of America's beloved folk songs, with piano arrangements and guitar chords.

**CAMBRIDGE ELEMENTARY STATISTICAL TABLES**—D. V. Lindley and J. C. P. Miller—*Cambridge University Press*, 35 p., paper, \$1.00. A convenient set for college students and research workers.

**THE CONCISE ENCYCLOPEDIA OF FAVORITE FLOWERS**—Marjorie P. Johnson, Montague Free, Ed.—*Doubleday*, 256 p., illus., \$3.95. Facts the home gardener should know in growing successfully the 106 most popular flowering herbaceous plants for beds and borders.

**CHEMISTRY OF THE LANTHANONS**—R. C. Vickery—*Academic Press*, 296 p., illus., \$6.00. The series of elements known as lanthanons are better known as "the rare earths." An appendix is devoted to yttrium, once considered part of the series but now segregated.

**CULTURE AND DISEASES OF GAME FISHES**—H. S. Davis—*University of California Press*, 332 p., illus., \$5.00. Telling how fish can be propagated and cared for to restock our streams.

**DIALOGUE CONCERNING THE TWO CHIEF WORLD SYSTEMS—PTOLEMAIC & COPERNICAN**—Galileo Galilei translated by Stillman Drake with foreword by Albert Einstein—*University of California Press*, 496 p., illus., \$10.00. The translator went back to the definitive Italian edition, and includes a translation of notes that Galileo wrote in his own copy of the first edition.

**DISLOCATIONS IN CRYSTALS**—W. T. Read, Jr.

*McGraw-Hill*, 228 p., illus., \$5.00. An introduction to dislocations with emphasis on theories that apply directly in a limited area.

**THE DYNAMICS OF SOVIET SOCIETY**—W. W. Rostow and Alfred Levin with the assistance of others at the Center for International Studies, Massachusetts Institute of Technology—*Norton*, 282 p., \$3.95. Those conducting the study of which this is a report concluded that what is most urgently needed on Russia is not new information, but a way of making sense out of what is already known. Here is a consensus of experts.

**EFFECT IN CONCRETE OF PELLET AND FLAKE FORMS OF CALCIUM CHLORIDE**—J. T. McCall and R. J. Claus—*Highway Research Board*, 18 p., illus., paper, 30 cents. Increases in compressive strength result from the use of either form of calcium chloride.

**THE FIRST BOOK OF ELECTRICITY**—Sam and Beryl Epstein—*Franklin Watts*, 68 p., illus., \$1.75. For young children, this book has lots of interesting experiments youngsters can perform with handy materials.

**GIRL SCOUT HANDBOOK: Intermediate Program**—*Girl Scouts of the U. S. A.*, 510 p., illus., \$1.00. Bringing this handbook up to date, with a new approach that puts emphasis on independence and self reliance.

**HANDBOOK OF ASBESTOS TEXTILES**—*Asbestos Textile Institute*, 78 p., illus., paper, \$1.00. There is scarcely a major industry or activity that does not benefit from the use of asbestos textiles, especially for electrical and heat insulation.

**HISTORICAL ASPECTS OF ORGANIC EVOLUTION**—Philip G. Fothergill—*Philosophical Library*, 427 p., \$6.00. Of British authorship, this book is intended to deal with the subject of evolution in such a way as to show that accepting it need not conflict with religious beliefs.

**HOLLIES**—H. Harold Hume—*Macmillan*, 242 p., illus., \$6.75. Describing the botany, the care and the sentimental attachments of the various varieties of this plant that we associate with the Christmas season.

**INTRODUCTION TO DYNAMICS**—L. A. Pars—*Cambridge University Press*, 501 p., illus., \$6.00. A study of motion in two dimensions—particle, rigid body, system—without Lagrange's equations.

**ON THE OREGON TRAIL: Robert Stuart's Journey of Discovery**—Kenneth A. Spaulding, Ed.—*University of Oklahoma Press*, 192 p., illus., \$3.75. Based on the "Travelling Memoranda" in which Robert Stuart set down his account of a historic journey.

**ORIGIN AND DESTINATION SURVEY: Methods and Costs**—H. P. Stockton, Jr. and others—*Highway Research Board*, 65 p., illus., paper, 90 cents. Discussing traffic survey methods and applications in the solution of traffic problems.

**PHYSICAL GEOGRAPHY AND CLIMATOLOGY**—N. K. Horrocks—*Longmans*, 368 p., illus., (See p. 334.)

## Encyclopedia of ABERRATIONS

A PSYCHIATRIC HANDBOOK

Edited by

EDWARD PODOLSKY, M.D.  
*Kings County Hospital Psychiatric Staff*

With a Foreword by

ALEXANDRA ADLER, M.D.  
*N. Y. University College of Medicine*

This is the first systematic exposition of human aberrational behavior. In this volume over fifty eminent psychologists and psychiatrists discuss all types of aberrations, with particular emphasis on their psychodynamics. The material is arranged in alphabetical sequence for easy reference.

"This most fascinating volume is so wide in scope that it is of interest not only to physicians, psychiatrists, psychologists, lawyers, and sociologists but to the intelligent layman as well . . . Very highly recommended."

—The New York Physician

Some of the entries:

Abasia	Hashish, addiction
Abilomania	Head banging
Abulia	Heroin, addiction
Acalculia	Heteroalalia
Acataphasia	Homosexuality
Aggression	Hysteria
Alcoholism	Iconolagny
Amnesia	Illusions
Anal eroticism	Inferiority feelings
Anancasm	Intellectual mal-
Anti-Semitic attitudes	functioning
Anxiety, Dental	Kainotophobia
Aphasia and linguistics	Kakorrhaphophobia
Autism, Infantile	Kleptomania
Auto-punishment	
Benzedrine, addiction	Language frustration
Bestiality	Laughter, fits of
Body image disturbances	Lesbianism
Boredom	Logorrhea
Brontophobia	Lying
Cacodaemonomania	Malingering
Chloral delirium	Masochism
Choreomania	Menstrual anomalies
Claustrophobia	Mescaline intoxication
Cocaine addiction	Murderer, mind of
Crime, neurotic	Mutism
Criminality	Mysophobia
	Narcolepsy
Depression	Necrophilia
Devil Worship	Negativism
Dream murders	Nudism
Dysprosody	Nymphomania
Ecouteur	Ochlophobia
Ecstasy, artificial	Onanism
Erotographomania	Opium, addiction
Exhibitionism	
	Pavor nocturnus
Family tension	Pessimism
Fellatio	Pethidine, addiction
Fetishism	Phobias
Folie a deux	Pornography
Frigidity	Psychosis
Frottage	Puberty, aberrational
Gambling	Sadism
Gammaicism	Schizophrenia
Galasus	Somnambulism
Gustatory sweating	Sophomania
Gynephobia	Suicide
	Therfloanthropy
Hair-plucking	Xenophobia
Hallucinations	Zoophilism
Haptodysporia	

OVER HALF A MILLION WORDS

MAIL THIS HANDY COUPON

PHILOSOPHICAL LIBRARY Publishers  
15 East 40 St., Dept. 35, New York 16, N.Y.

Please send . . . . . copy (ies)  
"Encyclopedia of Aberrations" at \$10.00 each

Name . . . . .

Address . . . . .

Expedit shipment by prepayment

## Mois-Tec RG

A new reagent for low concentrations of water, with possibilities of usefulness in many fields.

Write for Data Sheet RG-SNL

**R. P. Cargille Laboratories, Inc.**  
117 Liberty Street, New York 6, N. Y.

**MICROSCOPE OUTFIT**

Complete Set • Precision Built  
Includes a **HIGH POWER MICROSCOPE**  
Magnifies 100, 200, 300 times

An excellent microscope for the amateur. Sturdy! Mechanically well constructed. Sharp — clear optical image—no astigmatism! Good color correction. Remarkably little residual color. Packed in dovetailed hardwood storage case, 8"x5"x3 1/2". Shipping weight 3 lbs. Square stage 2 1/4"x2 1/4" with slide clips. Over-all height 8 inches. 1 ocular. Triple objective. By turning the turret, you can magnify anything from 100 to 300 times its actual size. Rack and Pinion adjustment.



Also included as balance of outfit is slide box, slides, covers, stains, tools, specimens, etc. Everything including a booklet of simple instructions and over 40 individual items of professional quality for only \$20.00 postpaid.

**PRISM BINOCULARS**

For Field or Woods or Sea

Birds or Animals



One of the finest prismatic field-glasses obtainable today. Sharp, clear, brilliant images without color fringe. Ideal for all weather—all year round—day and night use. Has both center focusing wheel and separate eye adjustment. Also has interpupillary adjustment. Weight is only 15 ounces. Compact. Easily fits into jacket pocket. Satin black finish. Leather case with safety straps included. France's finest make. 8 x 25; All taxes Paid. Only \$33.21, P.P. Paid.

finish. Leather case with safety straps included. France's finest make. 8 x 25; All taxes Paid. Only \$33.21, P.P. Paid.

**LUCITE BOX WITH COVER**

Crystal clear lucite 2" x 2" box 3/8" thick, with radius of 1" on one side. Box and lid hold together tightly. Suitable for screws, seeds, dry chemicals, pins, gems, stones, powders and in fact anything which must be seen while being stored in this box but which will not react chemically with lucite. Beautifully made costing twice our price to manufacture. 50c per dozen postpaid.

**PLUMMET LAMP**

Illuminated miners plumb-bob for mine or tunnel work or for use at night. A large plummet, upper part hollow to hold oil also has a tube with wick and extinguisher. Hung in gimbals by chain thus assuming vertical position always. When suspended from shifting

center of a leveling-head it can be easily adjusted over a given point. An exceptionally beautiful job in brass and bronze throughout. Weighs 2 pounds. Made by Keuffel & Esser. Complete in case \$7.50 each plus 50c. postage and insurance.

**BEAUTIFUL GLASS PAPERWEIGHT MAGNIFIER**

Crystal clear magnifier. Placed directly on the page — gives 3 power magnification. Decorative — useful — unusual. \$1.00 each.

**GEM CARBIDE SCRIBER**

This Gem Carbide Scriber can't be beat! Tipped with the hardest metal made by man. Moh's scale 9.5. Stays sharp 50 times longer than any other metal. With this pencil size Gem Carbide Scriber, you can do your engraving on hardened steels, metals, glass, gems, ceramics, plastics, etc. Used by jewelers, artists, craftsmen, designers, die cutters, glass cutters, machine shops, laboratories and radio builders. \$1.50 p.p.

Include Postage — Remit with Order  
No open accounts — No. C.O.D.  
Send 25c for General Bulletin

**HARRY ROSS**

MICROSCOPES TELESCOPES  
Scientific and Laboratory Apparatus

70 West Broadway, Dept. SNL-11B  
New York 7, N. Y.

**Books of the Week**  
from page 332

\$3.50. A book of British authorship intended especially for pupils in the English grammar school.

**POULTRY—BUYING GUIDES FOR CONSUMERS—** USDA Home and Garden Bulletin No. 34—Rowena S. Carpenter and Alfred W. Otte—*Gov't Printing Office*, 8 p., illus., 10 cents. How to know just what you are getting when you buy poultry.

**THE RIVERS RAN EAST—**Leonard Clark—*Funk & Wagnalls*, 366 p., illus., \$5.00. An account of exploration in the dangerous regions off the Western Amazon rivers.

**SAY IT IN HEBREW—**Aleza Cerf—*Dover*, 122 p., record, paper, \$1.25. This combination of record and book gives pronunciation and meaning of everyday Hebrew words.

**THE SCREEN PROJECTION OF CHEMICAL EXPERIMENTS—**E. J. Hartung—*Melbourne University Press* (Cambridge University Press), 291 p., illus., \$4.75. Intended to meet the needs of teachers who have difficulty in making lecture-table experiments visible to large classes.

**SOVIET MILITARY DOCTRINE—**Raymond L. Garthoff—*Free Press*, 587 p., illus., \$7.50. This study of the philosophy underlying the Soviet military machine was prepared by a member of the Social Science Research Staff of the Rand Corporation as part of a research program for the Air Force.

**SYMPOSIUM ON CHEMICAL ANALYSIS OF INORGANIC SOLIDS BY MEANS OF THE MASS SPECTROMETER—**Mark G. Inghram, J. G. Gorman, and W. M. Hickam—*American Society for Testing Materials*, 35 p., illus., paper, \$1.25. The analytical applications of the mass spectrometer are here discussed.

**TV REPAIR TECHNIQUES—**Irving Dlugatch and others—*Gernsback*, 128 p., illus., paper, \$1.50. A television receiver is a complex piece of machinery and the repairman must be able to do a great deal more than simply spot a bad tube and replace it.

**TOMORROW'S AIR AGE: A Report on the Foreseeable Future—**Holmes Alexander—*Rinehart*, 248 p., \$3.00. The next few years, the author believes, can more than triple the achievements of the past 50.

**VISCOSITIES OF NATURAL GAS COMPONENTS AND MIXTURES—**N. L. Carr—*Institute of Gas Technology*, 59 p., illus., paper, \$5.00. Presenting data important in many calculations involving fluid flow, particularly the flow of gas out of or into underground reservoirs and pipelines.

**WHAT TO DO NOW ABOUT EMERGENCY SANITATION AT HOME—**Federal Civil Defense Administration—*Gov't Printing Office*, 27 p., illus., paper, 15 cents. Telling how you can insure for your family safe drinking water in case of enemy attack.

**WHEN WILL THE WORLD BE MINE?—**Miriam Schlein—*W. R. Scott*, 33 p., illus., \$2.25. A story for young children about a little snowshoe rabbit.

**A WORLD FULL OF HOMES—**William A. Burns—*Whittlesey House*, 120 p., illus., \$2.50. Describing many of the unusual structures in which men make their homes, from the ice house of the Eskimos and the paper house of the Japanese to the trailer in which the American tourist sets up housekeeping.

Science News Letter, November 21, 1953

# UNITRON

Have you ever seen a GALAXY?

Or the rings of Saturn, the moons of Jupiter, or the craters and mountains of the Moon? To merely read about the Universe is to deprive yourself of the intellectual excitement of exploring the vast reaches of space. UNITRON Telescopes are chosen by leading universities and amateur astronomers for their outstanding quality and proven performance; by engineers and business executives as a source of relaxation and mental diversion. Unexcelled for real close-up views of distant terrestrial objects—mountains, animals, ships at sea, etc. UNITRON values cannot be duplicated. Write at once for free educational literature on how to select a telescope and illustrating all UNITRON models. Learn why astronomy is today's fastest-growing hobby!

## ALTAZIMUTH REFRACTORS

COMPLETE with mounting and slow motion controls, tripod, view finder, erecting prism system (2.4" and 3" models), star diagonal, sunglass, wooden cabinets, etc.

1.6" MODEL: with eyepieces for 78X, 56X, 39X .....	only \$75
2.4" MODEL: with eyepieces for 100X, 50X, 35X .....	only \$125
3" MODEL: with eyepieces for 171X, 133X, 96X, 67X, 45X .....	only \$265

Additional eyepieces available for all models.

## OTHER UNITRON REFRACTORS

4 INCH PHOTO-EQUATORIAL .....	\$890
4 INCH EQUATORIAL .....	785
4 INCH ALTAZIMUTH .....	465
3 INCH PHOTO-EQUATORIAL .....	550
3 INCH EQUATORIAL .....	435
2.4 INCH EQUATORIAL .....	225

Time payment plan available.

**ALL INSTRUMENTS FULLY GUARANTEED**

Send check or m.o. or 25% deposit with balance C.O.D. Shipped express collect. Xmas orders shipped same day as received. Write for illustrated literature: Dept. L-118.

*United Scientific Co.*

204-206 MILK STREET, BOSTON 9, MASS.

**FUN IN THE DARK**

**250 LUMINOUS STARS**

Moon & 4 Planets

**Have your own Planetarium on the ceiling of your den, bedroom or rumpus room!**

"STARS" shine with outdoor realism AFTER turning off the lights.

Gummed and Ready to Put Up

**NOW Only \$2.00 postpaid**

Complete with Chart and Directions

"STARS" • 12127 HUSTON STREET NORTH HOLLYWOOD, CALIF.