

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.

THE ARCHETYPES AND THE COLLECTIVE UNCONSCIOUS—C. G. Jung, transl. by R. F. C. Hull—*Pantheon Bks.*, Bollingen Series XX, 462 p., illus., \$7.50. This ninth volume of C. G. Jung's collected writings establishes his theoretic basis and describes specific archetypes.

ASTRONOMICAL PHOTOGRAPHY AT THE TELESCOPE—Thomas Rackham, foreword by W. H. Steavenson—*Macmillan*, 232 p., illus., \$7.50. Shows how the amateur can, with due attention to detail, produce results that may be of real scientific value.

THE BOY ENGINEER—Edward L. Throm—*Golden Press*, 248 p., illus. by E. Urbanowich and R. Pious, \$3.95. The story of engineering from prehistoric times to the atomic and space age, in popular language.

CAREERS IN ENGINEERING—Juvenal L. Angel—*World Trade*, 3rd ed., 30 p., paper, \$1.25. Discusses engineering fields and positions, training and sources of information.

EQUIPMENT AND SUPPLIES: Tested and Approved for Pre-School, School and Home—Committee on Equipment & Supplies, Alida H. Hisle, Ed.—*Assn. for Childhood Educ.*, rev. ed., 100 p., illus., paper, \$1.50.

THE EXPLORATION OF SPACE—Arthur C. Clarke—*Harper*, rev. ed., 200 p., illus., \$4.50. Acquaints the general reader with the present state of astronautics, and with projects and possibilities of future explorations.

THE GARDENER'S WORLD—Joseph Wood Krutch, Ed.—*Putnam*, 476 p., illus., \$8.95 (till Jan. 1, 1960 \$7.95). Beautiful volume with great examples of the literature of plant lore and gardening, the gardening that produces flowers and beauty rather than seeds.

THE GOLDEN AGE OF QUACKERY—Stewart H. Holbrook—*Macmillan*, 302 p., \$4.95. Informal history of the patent-medicine makers and medicine frauds of the nineteenth and early twentieth century, before the Pure Food and Drug Act was established.

THE GOLDEN PICTURE BOOK OF SEA AND SHORE—Marion B. Carr—*Golden Press*, 57 p., illus. by Sy Barlowe, \$1.50. Tells children about tide pools, shells, fish, ocean currents and islands.

HIDDEN AMERICA—Roland Wells Robbins and Evan Jones—*Knopf*, 272 p., illus., \$5. Story of an amateur archaeologist who became a specialist in discovering American landmarks and digging for buried artifacts of the past.

INSIDE THE U. S. PATENT OFFICE: The Story of the Men, the Laws, and the Procedures of the American Patent System—Harry Kursh—*Norton*, 171 p., illus., \$3.95. Useful information for the inventor.

MODERN ASPECTS OF THE GEOLOGY OF NEW YORK CITY AND ENVIRONS—Kurt E. Lowe, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol 80, Art. 4, 123 p., illus., paper, \$2.50. Series of conference papers.

NEBRASKA SYMPOSIUM ON MOTIVATION, 1959—T. C. Schneirla and others, Marshall R. Jones, Ed.—*Univ. of Neb. Press*, 243 p., \$4.25, paper, \$3. Research papers and comments, indexed.

MIRACLE in MATHEMATICS

Now comes a new and completely different kind of self-teaching math "course" — one that yields truly amazing results!

"The author assumes no previous acquaintance with mathematics . . . He advances the reader to some mathematical notions of 'college' level . . . The near-miracle is accomplished by patient, carefully-phrased exposition and by building the discussion step-by-step . . . The book is intended for study without the aid of a teacher."—*New Technical Books* (of the New York Public Library).

If you have despaired of ever "licking" mathematics, if lack of mathematical knowledge is holding you back, if you have tried other methods and found they simply did nothing for you, then perhaps you would wish to try the remarkable Colerus method. It is guaranteed to satisfy your expectations, or full purchase price refunded. Not a tutored math course that stands you anywhere from \$150. to \$300., but a self-instruction manual that costs a mere \$3.95—if you decide to keep it.

MATHEMATICS FOR EVERYMAN
by Egmont Colerus
\$3.95 Postfree • 10-Day Money-Back Guarantee
EMERSON BOOKS, Inc., Dept. 832-L
251 West 19 Street, New York 11

ON THE FACE OF THE EARTH—Marion Gill MacNeil—*Walck, H. Z.*, 72 p., illus. by Robert P. MacNeil, \$2.75. Describes for younger readers the beginnings of life on earth and how man developed. Bibliography included.

OTUS: The Story of a Screech Owl—Robert M. McClung—*Morrow*, 48 p., illus. by Lloyd Sandford, \$2.50. Informative nature story for beginning readers.

PEOPLE AND PLACES—Margaret Mead—*World Pub. Co.*, 318 p., illus. by W. T. Mars and Jan Fairservis, photographs, \$4.95. Authoritative and beautifully presented introduction to anthropology for the teenager. Includes bibliography.

PETE AND REPETE: The National Park Bears—Ace Powell—*Glacier Nat. Park*, 12 plates, paper, \$1. Portfolio of appealing bear cub sketches, illustrating National Park rules.

PETROLOGY: Condensed and Simplified—Gurdon Montague Butler—*Univ. of Ariz. Press*, 32 p. paper, 50¢. Acquaints students with the skill of identifying rocks by the use of a hand lens only.

THE PHYSIOLOGY AND TREATMENT OF PEPTIC ULCER—J. Garrott Allen, Ed.—*Univ. of Chicago Press*, 236 p., illus., \$7.50. Contains analysis of how the stomach works and summary of established principles of diagnosis and treatment.

THE PREHISTORY OF SOUTHERN AFRICA—J. Desmond Clark—*Penguin Bks.*, 341 p., illus., paper, \$1.50. The story of the beginnings of man, including the latest discoveries about the origins and cultural history of primitive man in southern Africa.

PRINCIPLES OF NUTRITION—Eva D. Wilson, Katherine H. Fisher and Mary E. Fuqua—*Wiley*, 483 p., illus., \$5.95. Textbook discussing the basic elements of nutrition.

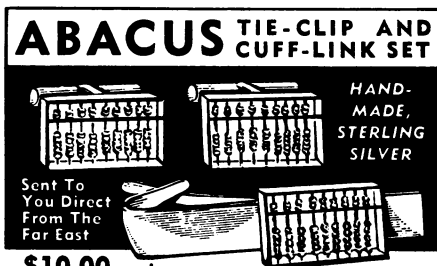
PSYCHOTHERAPY WITH CHILDREN: The Living Relationship—Clark E. Moustakas—*Harper*, 324 p., \$5. Psychotherapist discusses the conditions for establishing significant relationships between therapist and the gifted, the handicapped, the frustrated and the normal child.

QUALITY CONTROL METHODS AND MANAGEMENT: Fourth Annual Symposium Transactions—Am. Soc. for Quality Control—*ASQC-Philadelphia Section*, 77 p., illus., paper, \$2.

ROCKETRY THROUGH THE AGES—Donald Cox and Michael Stoiko—*Winston*, 41 p., illus. by W. A. Kocher, \$2.95. Historical highlights of rocketry, from 1232 to 1959, presented simply for young readers.

(Continued on page 294)

ABACUS TIE-CLIP AND CUFF-LINK SET



HAND-MADE, STERLING SILVER

Sent To You Direct From The Far East

\$10.00 ppd

Each bead moves in this authentic Chinese Abacus. Actually makes complicated calculations. Hand made in satin finished sterling silver. Cuff links have swivel back—tie clip has alligator catch. Magnificent example of Chinese artistry. Air mailed to you direct from Hong Kong. Allow 2½ weeks for delivery. Cuff links or tie clip ordered separately, \$5.50 each. The set, \$10.00. Send check or money order. Satisfaction guaranteed!

Write for FREE Catalog of 1001 "Finds"
DAMAR'S, 75J Damar Bldg., Elizabeth, N. J.

The Battery That's Used in Guided Missiles Now Released as Government Surplus

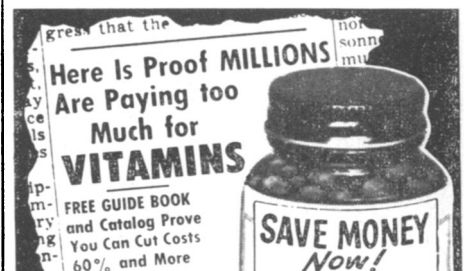
For Photography, Aircraft, Models, Searchlights, Radios, etc. \$1.95 ea. Postpaid. Sintered-plate Nickel-Cadmium alkaline storage batteries designed for "NIK-E" Missile and now surplus due to design change. A lifetime battery with no known limit of service (over 5000 recharges on test without loss of capacity). Other features: Virtually indestructible, compact & lightweight, withstands heavy shock and vibration. Flat voltage curve during discharge retains charge year or more, high discharge rate up to 50 amps. for this cell, no corrosive fumes to harm clothing or equipment, spill-proof construction, discharge in any position, indefinite storage without deterioration, operates in temperatures —60°F to +200°F. Each cell is approx. 6 ampere hour capacity. Nominal voltage per cell is 1.2 volts. (A 6 V. battery requires 5 cells.) Cell size 6" H. x 2" W. x ¼" T. Wt. 6 oz. ea. Uses Potassium-Hydroxide (30%) electrolyte. Negligible loss during lifetime service. Add only distilled water once a year. A fraction of Government cost.

Used Test Cells \$1.95 ea. Postpaid
Brand New Cells 2.95 ea. Postpaid
24 V. Battery (20 cells) \$40.00
In metal case Used \$40.00 New \$60.00
All cells guaranteed to your satisfaction or money refunded (less postage).

Plastic battery cases may have slight cracks—repaired easily with household cement or you may add 25¢ to price of each to insure uncracked cases.

ESSE RADIO COMPANY, Dept. O-10
42 W. South St. Indianapolis 25, Indiana

Here Is Proof MILLIONS Are Paying too Much for VITAMINS

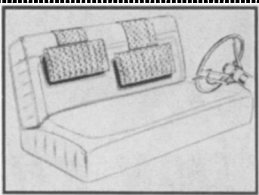


FREE GUIDE BOOK and Catalog Prove You Can Cut Costs 60% and More

SAVE MONEY Now!

VITAMIN USERS! STOP BUYING BLINDLY!

100 capsules Vitamin A (25,000 units) not \$1.75, but only 75¢. 100 tablets Vitamin C (250 mg.) not \$2.00, but only 85¢. 100 capsules Vitamin E (100 Int'l Units) not \$4.65, but now reduced to only \$2.50. These are examples of over 150 FRESHLY-PACKED Guaranteed-potency vitamins and health aids, available at savings of 60% and more! Send for FREE catalog and Vitamin Guide Book today! **VITAMIN-QUOTA**, Dept. T-734, 880 Broadway, New York 3, N.Y., or Dept. T-734, 1125 S. Crenshaw Blvd., Los Angeles 19, Calif.

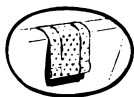


NEW! ORTHO CUSHION

Stays where you put it.

NOW—Watch television with ease and comfort—Ortho Cushion rests your head or back.
 Ride your auto in comfort, strain free—Ortho Cushion is a medically correct back support.
 Sit in your office seat, for hours and be relaxed—Ortho Cushion gives you support when and where you need it.
 Stay-in-beds have perfect back or head rest—Ortho Cushion stays where you put it whether you move or not.

Ortho Cushion is a foam Rubber cushion with a counterweighted backrest, has a non-slip grip, stays in place. Adjusts to any height or position. Stays put on chair, sofa, chaise. Everyone in the office should have it.



- Adjusts to any height or position
- Beautiful stain-resistant cover
- Latex foam sponge filler
- Allergy Free, sanitary, odorless
- Non-Slip sponge rubber back.

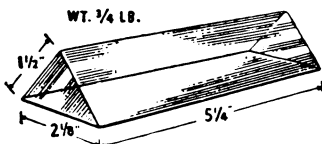
\$4.95

Post Paid



John Surrey, Ltd. 11 West 32nd St., Dept. SN-41, New York 1, N. Y.

PRISMS \$1.50



Made for U. S. govt. for tank periscopes. Fine optically ground, big precision prisms with silvered base. Terrific for all types of spectrographic work, in homemade telescopes & other optical systems for bending rays. Makes unusual paper weight (paint your name on it) or conversation piece for mantel. You'll find many other uses. **NEW! PERFECT!** Cost U. S. govt. \$25 ea. **NOW—\$1.50 ea. ppd. or 4 for \$5.00.** Same as above—1" long (no silver backing) \$1. ea. 5 for \$4. Postage paid on prepaid orders. Calif. res. add sales tax.

Volume Sales Co., War Assets Div., Dept. L1031
 3930 Sunset Blvd. Los Angeles 29, Calif.

MICRO-ADS

Equipment, supplies and services of special interest to scientists, science teachers and students, science-minded laymen and hobbyists. 25¢ per word, payable in advance. Closing date 3 weeks prior to publication (Saturday).

SNL, 1719 N St., N.W., Washington 6, D. C.

BIOLOGICAL STAINS

BIOLOGICAL STAINS FREE PRICE LIST. ESBE Laboratory Supplies, 450 Bloor St., W., Toronto, Ontario, Canada.

CHEMISTRY-BIOLOGY-ASTRONOMY

NEW 52 PAGE CATALOG OF CHEMICALS, Microscopes, Telescopes & lab equipment. Send 50¢ to: Winn Chemicals, Dept. 200, 124 West 23rd Street, New York 11.

Improve your chess with Lasker's CHESS STRATEGY!

This book taught Fine & Paul Keres; Capablanca called it "the finest in English." Teaches principles; you understand rather than memorize, openings, middle, end game. For beginners, experts, both. 2nd rev. ed. 280pp. \$1.50 & 10¢ postage to Dept. SNL, Dover Pub., 180 Varick, N. Y. 14. Moneyback guarantee.

Best Book Contest for 1959

\$1600 Cash Awards plus 40% return. All types of manuscripts invited. For Contest rules and details of famous publishing plan, write for free Brochure SN. Pageant Press, 101 Fifth Ave., N. Y. 3

Rechargeable Flashlight

The Light That Shines Bright—Forever.

USES NO BATTERIES



New flashlight casts a steady, brilliant light forever! To recharge simply remove cap and plug into AC outlet. Flashlight regains full power with never the need of a battery change. Compact, pocket size 4 1/2" by 2", made of high-impact plastic with a trouble-free unbreakable lens.

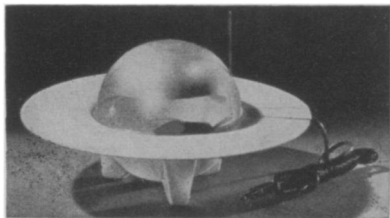
(formerly \$4.98)

Send only **\$2.98**

PLUG-IN OUTLET TO RECHARGE

DAMAR'S 75-J Damar Bldg., Elizabeth, N.J.

SCIENCE PROJECTS for Christmas Gifts!



Students, Parents, Educators, Psychologists Like CHICK-NIK See the ENTIRE HATCHING PROCESS

through the clear plastic windows of this exciting one-egg incubator. A thrilling lesson in natural history for children, an absorbing experience for adults. Offers a simple example of the complicated process of birth in an easy-to-understand manner.

Interesting! Educational! Scientific! Useful! Free "Egg Hatcher's Guidebook" with each order. UL approved. Plugs into any wall socket.

\$3.95 plus 25 cents postage and handling. Cash, check, m.o.

Map of Evolution

Mankind! Animals! Plants! The only map of its kind in the world. Three maps in one! In color. Special map stock. Full, wall size. A true mural map. Ideal classroom visual aid. Quick, easy, informative reference. A unique home, shop, office, school decorative attraction. Ten thousand million years from flaming planet to modern man. Map of Evolution, \$1.95; two for \$3.69.



DICK KENT, Trader
 P.O. Box 264, Camp Hill, Penna.

"World Wide Scientific Educational Specialists"

Books of the Week

(Continued from page 292)

SHOW ME THE WORLD OF ASTRONOMY—Julian May—*Pennington*, 62 p., illus. by W. Blackmun and L. Jorjorian. \$1.95. Short, simply written chapters introducing boys and girls to phenomena of astronomy.

SHOW ME THE WORLD OF MODERN AIRPLANES—Julian May—*Pennington*, 62 p., illus. by Robert Barker, \$1.95. Acquaints boys and girls with aeronautical terms.

THE SKY OBSERVER'S GUIDE: A Handbook for Amateur Astronomers—Newton Mayall, Margaret Mayall and Jerome Wyckoff—*Golden Press*, 125 p., illus. by John Polgreen, photographs, \$2.95. Packed with practical information on how to observe celestial objects, and offering many useful tables and maps.

SOLID STATE PHYSICS, Vol. 6, Part A: Preparation, Structure, Mechanical and Thermal Properties—K. Lark-Horowitz and Vivian A. Johnson, Eds.—*Academic*, 466 p., illus., \$11.80. Presentation of methods and principles for the advanced research worker as well as the graduate student and teacher.

THE SOVIET IMAGE OF FUTURE WAR—Raymond L. Garthoff, introd. by General James M. Gavin—*Public Affairs Press*, 137 p., \$3.25. Based on research of Soviet documents, author analyzes Russia's military thinking, planning and achievement.

THE STORYBOOK OF SCIENCE—Earl Schenck Miers—*Rand McNally*, 159 p., illus. by Jeanne Bendick, \$2.95. Shows science to be something which is part of the everyday world in which we live, in stories illustrating the eight fields of science. Intended for ages 9-11.

THERE'S ADVENTURE IN MARINE SCIENCE—Julian May—*Pop. Mechanics*, 160 p., illus. by Richard Potts, \$2.95. Fictionalized account of boys meeting a scientist engaged in the study of oceans.

THE TRUTH ABOUT DOGS—Leon F. Whitney—*Nelson*, 184 p., illus., \$3.50. Veterinarian discusses the fact that dogs of many breeds have changed for the worse, and what can be done to improve breeds.

TURN TO THE SEA—Athelstan Spilhaus—*Nat. Acad. of Sciences-Nat. Res. Council*, 50 p., illus., paper, \$1. Pamphlet conveying in non-technical terms a feeling for the importance and the excitement of studying the oceans.

THE UNITY OF THE UNIVERSE—D. W. Sciama—*Doubleday*, 228 p., photographs, diagrams by Joan Wedge, \$3.95. History of cosmology for the layman, showing man's evolving view of the universe, from ancient Greece to Mount Palomar.

WALT DISNEY'S PEOPLE AND PLACES—Jane Werner Watson and Staff of Walt Disney Studio—*Golden Press*, 176 p., illus., \$4.95. Takes young reader to Lapland, Scotland, Sardinia, Samoa, Japan, and other faraway lands.

WHAT IS CYBERNETICS—G. T. Guilbaud, transl. from French by Valerie MacKay—*Criterion Bks.*, 126 p. illus., \$3.50. Presents Cybernetics in terms the layman can understand, as essentially a new way of thinking about the organization of action.

tions and its related inter-governmental agencies
 YEARBOOK OF THE UNITED NATIONS, 1958—*Columbia Univ. Press* with United Nations, 610 p., illus., \$12.50. Fully indexed reference volume covering the work of the United Nations during 1958.

YOUNG SCIENTIST TAKES A WALK: Guide to Outdoor Observations—George Barr—*Whittlesey House*, 160 p., illus. by Jeanne Bendick, \$3. Invites the science-minded youngster to observe outdoors with compass, pencil and magnifying glass.