

# books OF THE WEEK

**ESCA APPLIED TO FREE MOLECULES**—K. Siegbahn and others—Am. Elsevier Pub. Co., 1970, 200 p., diagrams, \$15. An account of Electron Spectroscopy for Chemical Analysis with emphasis on gases, explores the possibilities of using X-radiation to excite electron spectra of core and molecular levels of gases and vapors in the pressure region below 1 torr.

**EVOLUTION AND DESIGN IN THE PLANT KINGDOM**—C. L. Duddington—Crowell, 1970, 259 p., 35 plates, drawings, \$7.95. Studies the design of plants from the points of view of structure, hydraulics, photosynthesis, reproduction, pollination, dispersal, survival, adaptation and partnership.

**THE GEOLOGY OF ACADIA NATIONAL PARK**—Carleton A. Chapman—Chatham Press (Viking Press), 1970, 128 p., photographs, diagrams, maps, \$6.95; paper, \$2.95. Tells the story of the geologic upheavals and glacial erosion which formed the bolders and ocean cliffs of the Maine coastal region.

**HOLOGRAPHY: State of the Art Review 1970**—Thomas Kallard, Ed.—Optosonic Press, 1970, 229 p., illus., paper, \$15. Describes in detail 60 relevant new patents, bibliography contains more than 1,000 entries, and an overview of achievements and aims in holography in 1970, by Dennis Gabor, is included.

**HYDROLOGICAL FORECASTING: Proceedings of the WMO/Unesco Symposium, 1967**—J. Smagorinsky and others—WMO, TP.122 (Unipub), 1969, 325 p., diagrams, maps, paper, \$21. Attention was focused on aspects of regional importance and the principal theme was the forecasting of rainfall floods, especially for short time-intervals.

**MATERIALS SCIENCE AND ENGINEERING IN THE UNITED STATES**—Rustum Roy, Ed.—Pa. State Univ. Press, 1970, 177 p., illus., \$9.50. Assessment and evaluation of the development of materials research and engineering over the past decade, the interaction of university, industry and federal project funding; and future trends in US, Britain and France.

**THE MECHANISMS OF PERCEPTION**—Jean Piaget, transl. from French by G. N. Seagram—Basic Bks., 1969, 384 p., diagrams, \$12.50. Represents a synthesis of Piaget's pioneering studies on the development of perception which he has conducted over the past quarter-century—primary illusions and effects of concentration, perceptual activities, and structures of perception and of intelligence.

**MINERALS YEARBOOK 1968, Vol. III: Area Reports: Domestic**—Bureau of Mines Staff—GPO, 1970, 838 p., diagrams, \$5. Chapters cover each of the 50 states, the U.S. island possessions in the Pacific and the Caribbean, Puerto Rico and the Canal Zone. Includes statistical summary chapter.

*Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.*

## How To Argue and Win

Here is a clear, simply written basic guide to logical thinking, that shows how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only how but also why people resist facing the truth.



**ART OF ARGUMENT**—by Giles St. Aubyn \$4.95, plus 25c handling. 10-Day Money Back Guar. EMERSON BOOKS, Inc., Dept. 673-S 251 West 19 Street, New York, N.Y. 10011

## AUTHORS WANTED BY NEW YORK PUBLISHER

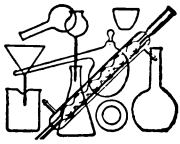
Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free Booklet write Vantage Press, Dept. T8, 120 W. 31 St., New York 10001.

### EMPLOYMENT OPPORTUNITIES

Looking for a good position? You can find the right one among leading firms advertising in the **LOS ANGELES HERALD-EXAMINER'S NATIONAL-WIDE HELP WANTED EDITION.** Send for FREE COPY out June 7th. Leading firms throughout the country will be represented. WRITE L.A. HERALD EXAMINER Classified Mail Division, Dept. 10 P.O. Box 2416, Terminal Annex Los Angeles, California 90054.

## IS THERE A CHEMIST IN THE HOUSE???

Only \$4.00 Plus \$1.00 p.p. Will bring 49 "PLUS" individual, assorted, items of standard quality laboratory apparatus: glassware, porcelain, rubber, plastic, etc., etc. Value? 2 to 3 times our offer. None dangerous. No junk. Surprise items. Pyrex Advanced Student Assort. @ \$10 plus \$2 p.p. Scientific & Lab. Projects 61-L Reade St. N.Y. 7, N.Y.



**HARRY ROSS**

## Share the Thrills of Exploring Outer Space!



All DYNASCOPES, including this superb RV-6, 6-inch available on easy terms! Now it's easy to join the thousands of serious amateurs who have discovered the excitement of exploring our mysterious universe. Your enjoyment begins right from the start, yet the challenges and rewards go on for years! And it's a hobby that can be shared at modest cost.

Choose from a Full Range Of DYNASCOPES® 4" Starting at \$49.95 Picking a telescope to fit your needs and your pocketbook is simple when you select a DYNASCOPE — the same instruments used by more than 150 schools, colleges and observatories. Prices begin as low as \$49.95, and your satisfaction is guaranteed by a full-refund warranty.

**FASCINATING GUIDE YOURS FREE!** Read these valuable facts before buying any telescope. Mail coupon or postcard for your complimentary copy of this helpful guide.

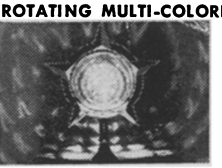


Criterion Manufacturing Co. 331 Church St., Hartford, Conn. 06101 © TM Registered U.S. Pat. Office

CRITERION MANUFACTURING CO., Dept. NL-60 331 Church St., Hartford, Conn. 06101 Please send your free Telescope Guide.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

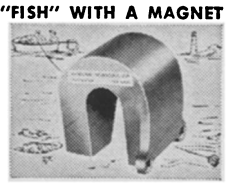
## KEEP PACE WITH SPACE AGE! SEE MOON SHOTS—LANDINGS, SPACE FLIGHTS, CLOSE-UP! AMAZING SCIENCE BUYS for FUN, STUDY or PROFIT



**ROTATING MULTI-COLORED LIGHT**  
Dazzling colors stream endlessly from constantly rotating light. Faceted, transparent globe has lowered drum inside with red, green, blue & yellow stars. Bulb heat rotates drum which projects flickering star points on walls, ceilings, etc. while individual globe facets present constantly changing array of brilliant colors. 9 3/4" star—approx. 12" high on bell-shaped base. Surprisingly light. Easily placed on table. TV, fireplace—even top of Christmas tree or other display. Stock No. 71.000Q \$6.00 Ppd.

See moon shots, orbits—stars, phases of Venus, planets close up, 60 to 180 power. Aluminized and overcoated 3" diameter f/10 primary mirror, ventilated cell. Equatorial mount with locks on both axes. Equipped with 6x eyepiece and mounted Barlow lens. 3x finder telescope, hardwood tripod. Included FREE: "STAR CHART"; 272-page "HANDBOOK OF HEAVENS"; "HOW TO USE YOUR TELESCOPE."  
Stock No. 85.050Q \$ 29.95 Ppd.  
Stock No. 85.105Q \$ 94.50 FOB  
Stock No. 85.086Q \$239.50 FOB

Go treasure hunting on the bottom! Fascinating fun & sometimes profitable! Tie a line to our 5-lb. Magnet—drop it overboard in bay, river, lake or ocean. Trawl it along, bottom—your "treasure" haul can be outboard motors, anchors, other metal valuables. 5-lb. Magnet is war surplus—Alnico V Type—Gor't cost \$50. Lifts over 150 lbs. Stock No. 70.571Q \$14.00 Ppd.  
3 1/2-lb. MAGNET Stock No. 70.570Q \$8.75 Ppd.



**3" ASTRONOMICAL TELESCOPE**  
See moon shots, orbits—stars, phases of Venus, planets close up, 60 to 180 power. Aluminized and overcoated 3" diameter f/10 primary mirror, ventilated cell. Equatorial mount with locks on both axes. Equipped with 6x eyepiece and mounted Barlow lens. 3x finder telescope, hardwood tripod. Included FREE: "STAR CHART"; 272-page "HANDBOOK OF HEAVENS"; "HOW TO USE YOUR TELESCOPE."  
Stock No. 85.050Q \$ 29.95 Ppd.  
Stock No. 85.105Q \$ 94.50 FOB  
Stock No. 85.086Q \$239.50 FOB

For the first time—have the fun & enjoyment of a gyro without bother of constant string winding & pulling. 5" diam. flying-saucer shaped. Spins on its edge, unslid-down, on your head, hanging from a string, drives rocket car, races around ring... you'll be amazed at its performance. Even flipping switch to off is an experience—speeds up to a blur... for almost 3 min. without power. Terrific accessories incl. rocket car, pedestal, 9" diam. orbit ring, ring pedestal, cap. chain, loop, instruct. Operates on 2 regular "C" batt. (not incl.). Stock No. 71.161Q \$8.00 Ppd.

**BATTERY POWERED GYROSCOPE**  
For the first time—have the fun & enjoyment of a gyro without bother of constant string winding & pulling. 5" diam. flying-saucer shaped. Spins on its edge, unslid-down, on your head, hanging from a string, drives rocket car, races around ring... you'll be amazed at its performance. Even flipping switch to off is an experience—speeds up to a blur... for almost 3 min. without power. Terrific accessories incl. rocket car, pedestal, 9" diam. orbit ring, ring pedestal, cap. chain, loop, instruct. Operates on 2 regular "C" batt. (not incl.). Stock No. 71.161Q \$8.00 Ppd.



### MAIL COUPON FOR GIANT FREE CATALOG

**148 Pages! More than 4,000 UNUSUAL BARGAINS!**  
Enormous variety of telescopes, microscopes, binoculars, magnets, magnifiers, photo components, lenses, prisms, optical instruments, parts, Science Fair kits, projects, and accessories. Write for Free Catalog "Q." Edmund Scientific Co., 300 Edscorp Building, Barrington, New Jersey 08007.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

### AMAZING "TRICK" PHOTOGRAPHY KIT

Now any amateur can produce all kinds of weird, wild, way-out photo effects. No special knowledge or equipment required. Unique kit enables you to turn friends into monsters, show house with water to 2nd floor, make psychedelic slides, kaleidoscopic photos, impressionistic photo-art—unlimited possibilities. Complete instructions includes all accessories needed. Stock No. 71.229Q \$10.50 Ppd.



ORDER BY STOCK NUMBER • SEND CHECK OR MONEY ORDER • MONEY-BACK GUARANTEE  
**EDMUND SCIENTIFIC CO. 300 EDSCORP BUILDING BARRINGTON, NEW JERSEY 08007**