

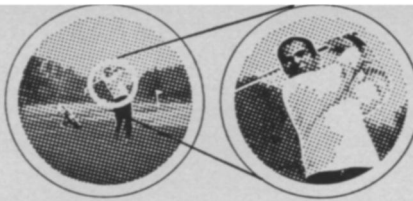
Given to Vertigo? Then use extreme caution when touching the "Go" button of this 12x to 40x

BATTERY POWERED

ZOOM TELESCOPE!

A TRIFLE EXAGGERATED? Perhaps. But one of our astronomer friends tells us that a zoom sweep at the Moon is equivalent to approaching it in a rocket at 20,000 mph! If you are earthbound, the BICKY PZ (Power Zoom) is incomparable for sports (take in all the action, and know the pitcher's favorite brand of chewing tobacco), hunting, travel and aspects of science and industry where crisp, controlled, close-up observation is required.

THE FACTS? The BICKY PZ has smooth 12x to 40x zoom at the touch of a button, with instant stop at any intermediate magnification. 40mm coated objective provides excellent light gain and visual field of 141 ft. at 1,000 yds. (at 12x). Powered by two penlight batteries, dustproof construction, sturdy, compact and light-weight (36 ozs.) with lockable panning head, chrome-baked enamel extendable table-top tripod and pistol grip which allows hand-held focusing even to highest magnification.



MOST AMAZING FACT? THE PRICE: not astronomical at all! Until now a power zoom instrument would cost at least \$200 and not go beyond 8x. We'll send you the BICKY PZ, complete, for \$49.95 in presentation box. Fully guaranteed for 1 year, of course, for material and workmanship.

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- Also include optional fitted vinyl carrying & accessory case. \$6.95

*Calif. res. add 5%. Refund in 10 days if not amazed and delighted.

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A noted publisher in Chicago reveals a remarkably effective method for building a working knowledge of over 2,000 powerful, expressive words quickly and easily.

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We need good words, says the publisher, to understand more clearly what we read and hear, to think with greater clarity and logic and to express ourselves more effectively when we speak or write. A good command of words instills confidence in our ability to speak convincingly and impress others with our knowledge and understanding.

To acquaint the readers of this paper with the easy-to-follow rules for developing a large vocabulary, the publishers have printed full details of their interesting self-training method in a new booklet, "Adventures in Vocabulary," which will be mailed free to anyone who requests it. No obligation. Send your name, address, and zip code to: Vocabulary Studies, 835 Diversey Parkway, Dept. 540-011, Chicago, Illinois 60614. A postcard will do. (ADV).

films OF THE WEEK

Listing is for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor.

BEAVERS AT WORK. 16mm, color, sound, 10 min. The life story of the beaver, emphasizing the structure of the beaver and how it utilizes its environment to gather food and construct a home. Audience: middle grades. Sale \$100 from International Film Bureau, 332 South Michigan Ave., Chicago, Ill. 60604.

THE BIG CHALLENGE—Hq. 170. 16mm color, sound, 28 min. Story of the planning and construction of the vehicle assembly building, crawler, mobile service structure, and the building and support facilities of the Kennedy Space Center. Audience: high school, adult. Free loan from NASA centers or information from NASA Headquarters, Code FAD-2, Washington, D. C. 20546.

THE DAY TOMORROW BEGAN. 16mm, color, sound 30 min. Historical film on the first sustained nuclear chain reaction. Tells the story of the building and testing of the first atomic pile and the work by Dr. Enrico Fermi and his team at the University of Chicago. Audience: general. Purchase \$90.82 from Geo. W. Colburn Laboratory, 164 Wacker Drive, Chicago, Ill. 60606, or free loan from AEC field libraries or Audio-Visual Branch, Division of Public Information, Atomic Energy Commission, Washington, D.C. 20545.

ELECTRIC POWER GENERATION IN SPACE—HQ 155. 16mm, color, sound, 26½ min. Describes the problems and methods of generating sufficient power for various needs in space; includes the solar cell, fuel cell, Rankine cycle, Braerton cycle, and other experimental systems. Audience: high school, college, adult. Free loan from NASA field libraries or information from NASA Headquarters, Code FAD-2, Washington, D.C. 20546.

METHOD FOR RAPID ELECTROPHORESIS—M-1015. Shows electrophoretic apparatus, explains the functions of its parts, demonstrates how to set up machine, and shows a typical "run." Audience: hospital technologists (trainees). Purchase from DuArt Film Laboratories, 245 West 55th St., New York, N.Y. 10019, or free loan from National Medical Audiovisual Center, Atlanta, Ga. 30333.

PEOPLE AND PARTICLES. 16mm, b&w, sound, 28 min. Documentary film of a physics laboratory that follows the life and labors of an experimental group working with wide-gap spark chambers at the Cambridge Electron Accelerator. Audience: high school and junior college. Not available for sale yet, but information regarding rental may be obtained from Modern Learning Aids, 1168 Commonwealth Ave., Boston, Mass. 02134. (Produced by Harvard Project Physics).

SYMMETRY: AN EXPERIMENT IN FILM MAKING. 16mm, color, sound, 10½ min. The subject of the film is two-dimensional symmetry. The visual imagery consists of semi-abstract figures displaying symmetries in controlled progression from simple to complex, from point groups to line groups and plane groups. No narration, only music. Audience: intended for college students not intending to become physicists, but has been shown successfully to a wide range of other groups. Rental \$12.50 or sale \$125 from Contemporary Films, 267 West 25th St., New York, N. Y. 10001.

SMOKING AND HEART DISEASE. 16mm, color, sound, 9½ min. An animated film discussing the relationship between smoking and heart disease. Audience: general. Rental or loan from local units of the American Heart Association.

SERPENTS OF THE CHINA SEA (HYDROPHIIDS). 16mm, color, sound, 19 min. General study of these serpents with a view to preparing anti-venum serum, including their principal morphological and anatomical characteristics, toxicity, and biochemistry of the venoms, and preparation of a fairly polyvalent serum. Audience: biologists, high school and college students. Loan (\$3 handling charge) from Society for French American Cultural Services and Educational Aid, 972 Fifth Ave., New York, N.Y. 10021.

UNDER THE NULLARBOR. 16mm, color, 28½ min. A journey to explore the limestone caves of the Nullarbor Plain in South Australia. Audience: general. Rent \$7.50 or purchase \$25 from Films Officer, Australian News and Information Bureau, 636 Fifth Ave., New York, N.Y. 10020, or in western states, Press and Information Officer, Australian Consulate-General, 350 Post St., San Francisco, Calif. 94108.