

SCIENCE FAIR HEADQUARTERS

CRYSTAL-GROWING KIT

Do a crystallography project illustrated with large beautiful crystals you grow yourself. Kit includes the book "Crystals and Crystal Growing" and a generous supply of the chemicals you need to grow large display crystals of potassium aluminum sulfate (clear), potassium chromium sulfate (purple), potassium sodium tartrate (clear), nickel sulfate hexahydrate (blue-green) or heptahydrate (green), potassium ferricyanide (red), and copper acetate (blue-green).
Stock No. 70,336Q-----\$9.50 Ppd.



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12 Different puzzles that will stimulate your ability to think and reason. Here is a fascinating assortment of wood puzzles that will provide hours of pleasure. Twelve different puzzles, animals, and geometric forms to take apart and reassemble, give a chance for all the family, young and old, to test skill, patience and, best of all, to stimulate ability to think and reason.
Stock No. 70,205Q-----\$3.50 Ppd.



GIANT WEATHER BALLOONS

Create a neighborhood sensation. Great backyard fun. Exciting beach attraction. Blow up with vacuum cleaner or auto air hose. Filled with helium (available locally) use balloons high in the sky to attract crowds, advertise store sales, announce fair openings, etc. Amateur meteorologists use balloons to measure cloud height, wind speed, temperature, pressure, humidity at various heights. Photographers can utilize for low-cost aerial photos. Heavy duty neoprene.
Stock No. 60,568Q-----8' Diam-----\$2.00 Ppd.
Stock No. 60,632Q-----16' Diam-----\$7.00 Ppd.



NEW WORKING MODEL DIGITAL COMPUTER

Actual Miniature Version of Giant Electronic Brains

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Stock No. 70,683Q-----\$5.98 Ppd.
Detailed Programming Booklet For Experiments
Stock No. 9080Q-----(\$5 Pages)-----\$1.00 Ppd.



IT'S HERE—

BIG, NEW DIGICOMP III

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Stock No. 70,946Q-----(\$16.00 Ppd.)



BUILD YOUR OWN ATOMIC ENERGY LAB

Create cosmic ray showers in the cloud chamber—see atoms explode with the spintharoscope—check ionization and radioactivity of every day materials. These are just a few of the fascinating projects possible with this amazing 43 part kit. Contains everything needed to construct your personal atomic energy laboratory. Absolutely safe. Includes atomic cloud chamber, projector, illuminator, electroscope, spintharoscope, 22 page instruction booklet with suggested experiments. Ideal gift to stimulate students' scientific interest.
Stock No. 70,899Q-----\$8.75 Ppd.



"FISH" WITH A WAR SURPLUS MAGNET

Go Treasure Hunting on the Bottom

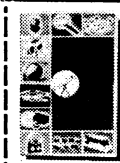
Great idea! Fascinating fun and sometimes tremendously profitable! Tie a line to our 5-lb. Magnet—drop it overboard in bay, lake, river or ocean. Troll it along the bottom—your "treasure" haul can be outboard motors, anchors, fishing tackle, all kinds of metal valuables. 5-lb. Magnet is war surplus—Alnico V Type. Govt. cost \$50. Lifts over 150 lbs. on land—much greater weights under water.
Stock No. 70,571Q—5lb. Magnet-----\$12.50 Ppd.
Stock No. 70,570Q—3 1/2-lb. size-----\$ 8.75 Ppd.



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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.

BLACK SWALLOWTAIL BUTTERFLY. (part of series of 5 films) 8mm, color, sound, 3 1/2 min. When the fifth instar caterpillar reaches its maximum size, it begins to prepare for pupation. The caterpillar stops feeding, wanders about aimlessly for about 12 hours, and then finds a suitable spot to pupate. Audience: high school, college. Purchase \$13 for 8mm Standard or \$14 for 8mm Super from Modern Learning Aids, 1212 Avenue of the Americas, New York, N.Y. 10036.

CONSERVATION FOR BEGINNERS. 16mm., b&w and color, sound, 11 min. In a classroom and on a farm, children are introduced to the importance of soil, plants, wildlife and water, and about ways of taking care of, or conserving, these natural resources so we can continue to use them. In class, we see children's experiments and exhibits. On the farm, the class sees examples of conservation in practice. Audience: primary, intermediate. Purchase \$60 for b&w or \$120 for color from Coronet Films, 65 E. South Water St., Chicago, Ill. 60601.

HANDLING LP-GAS EMERGENCIES. 16mm, color, sound, 24 min. Description of the physical properties of LP-Gas (liquid propane gas) and material on planning for emergencies. Demonstrates the tactics of vapor dispersal and control with hose streams, protection of containers during fires, and other emergency techniques. Audience: Fire department personnel, industrial personnel. Purchase \$175 from National Fire Protection Association, 60 Batterymarch St., Boston, Mass. 02110. (Also available is a supplement of forty 35mm color slides and instructor's manual covering the same material as the film, purchase \$16.)

LUNAS LANDING—HQa 173. 16mm, color, sound, 15 min. A documentary account of the Surveyor I mission to land on the moon and send back close-up photographs of the lunar terrain; shows the launching and the method by which the photographs were received. Audience: general. Free loan from NASA field libraries or NASA Headquarters Code FAD-2, Washington, D.C. 20546.

MEASURING UNITS: AN INTRODUCTION. 16mm, color, sound, 13 1/2 min. In animation, shows and explains all of the basic units of measurement, length, width, square and cubic. From the simple method of measurement of a string with a stick, it moves to area measurement and finally to cubic space measurement. Audience: primary. Purchase \$150 from Film Associates, 11559 Santa Monica Blvd., Los Angeles, Calif. 90025.

MEDICINE MEN OF AFRICA: PART II. 16mm, b&w, sound, 30 min. Dr. Stephen Block, an English psychiatrist, investigates the effectiveness of the practices of Nigerian medicine men, and finds that their mass psychotherapy is occasionally helpful. Scenes of several rituals used to induce trances are shown. Audience: senior high, college, adult. Purchase \$125 or rental \$5.40 from NET Film Service, Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

THE TOP-LOADING BALANCE. 16mm, color, sound, 21 min. Instructs the use of top-loading precision balances. Five basic weighing procedures are described in detail. Animation and simple schematic drawings explain balance theory and operation. Purchase \$145 or list of dealers who will supply film on free loan basis from Mettler Instrument Corporation, 20 Nassau St., Princeton, N.J. 08540.

TRIODE PLATE CHARACTERISTICS. Super-8 and regular 8mm, silent, color, film cartridge. Through animation, takes the viewer step-by-step through perhaps 40 different incremental measurements on a triode tube, which, when taken and plotted on coordinate paper, result in the Plate Characteristic Curves for that tube. Audience: trade, technical and vocational schools; high school, college, industrial and government training programs. Purchase \$17 for Super-8 or \$15 for regular 8mm from Animated Electronic Film Company, P. O. Box 2036, Eads Station, Arlington, Va. 22202.

LETTERS

to the editor

Credit to Mount Zion

Sir:

Your article entitled "Short Span Electric Brain Events Stay Unconscious" (SN: 12/30/67 P. 631) did a good job in getting across some difficult points from our neurophysiological analysis of conscious experience, but it made an understandable error in stating the work was done at the University of California Medical Center. Although my regular position is on the faculty at the U.C. Medical School in San Francisco, the work which you reported was and is being done in the Mount Zion Neurological Institute of Mount Zion Hospital in San Francisco. It is done there in collaboration with a group which includes not only myself and Dr. Bertram Feinstein, but also Dr. W. Watson Alberts, Dr. Grant Levin, and E. W. Wright Jr.; without all these and a few other participants such complex studies on the brain of awake human subjects would be impossible.

Benjamin Libet
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University of California

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