

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.

WOODEN SOLID PUZZLES



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

Fascinating new see-through model computer actually solves problems, teaches computer fundamentals. Adds, subtracts, multiplies, shifts, complements, carries, memorizes, counts, compares, sequences. Attractively colored rigid plastic parts easily assembled. 12" x 3 1/2" x 4 3/4". Incl. step-by-step assembly diagrams, 32-page instruction book covering operation, computer language (binary system) programming, problems and 15 experiments.

Stock No. 70,683Q.....\$5.98 Ppd.
Detailed Programming Booklet For Experiments
Stock No. 9080Q.....(50 Pages).....\$1.00 Ppd.

IT'S HERE—

BIG, NEW DIGICOMP III

If you think DIGICOMP I was something—wait 'til you use DIGICOMP III! Loads of fun! Terrific challenge! Actually works like electronic digital computer but needs no power. Adds, subtracts, multiplies, divides, memorizes. 1st mechanical computer w/auto. switch action. 1st model designed for programming. Speed reduced by factor of million to 1—you can see what's happening. Demonstrates new math, computer techniques.



Stock No. 70,946Q.....(Intro. price).....\$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. Trawl 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.

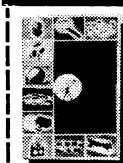


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ideas OF THE WEEK

An editorial service to readers; more information on items can be secured from the manufacturers. Prices are sometimes changed without notice.

Electric glue gun

Housewife, handyman or hobbyist will find this electric, thermostatically controlled gun for gluing or caulking easy to handle. Seven inches long and weighing only eight ounces, the gun uses solid slugs of nontoxic glue or white caulking which are fed into the tool by thumb pressure and melted for use.

Price: \$7.95
United Shoe Machinery Corp.
221 Oley St.
Reading, Pa. 19601

Voltage tester

Made with a retractable probe and coil, this compact voltage tester fits into a shirt pocket. The unit has an illuminated readout for voltage levels, AC or DC, and emits a distinct buzz from 25 to 800 cycles.

Price: \$9.50
Amprobe Instrument
630 Merrick Rd.
Lynbrook, N.Y. 11563

Fuel shut-off for boats

The fuel supply can be quickly and conveniently turned off at the helm in an emergency or normal shutdown by this remote control system. Easily installed, the unit, which comes with a 5-foot cable, is connected to the shut-off valve at the fuel tank and its T-handle mounted on the dash. A pull of the handle shuts off the gasoline. Longer cables are available at additional cost.

Price: \$26.55
Morse Controls, Inc.
Hudson, Ohio 44236

Extreme temperature tape

Designed for applications where control of environmental conditions is not feasible, this digital magnetic computer tape should find use in computers in aviation and aerospace. The tape which is 1/2-inch wide performs in temperature ranges from minus 55 degrees to plus (see p. 246)

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.

A BREATH OF AIR. 16mm, color, sound, 22 min. Demonstrates that cigarette smoking is "the greatest single preventable cause of death today." Shows a middle-aged victim of emphysema, a disease wherein inhaled cigarette smoke leads to a breakdown of the lung's ability to absorb oxygen, and how the disease limits his physical ability today. Audience: teenagers. Free loan from local sections of the American Cancer Society.

DIAMANT. 16mm, color, sound 13 min. Shows the construction and functioning of the rocket Diamant which served to launch the French satellite at Hammaguir. Audience: general. Free loan with \$3 handling charge from Society for French American Cultural Services and Educational Air, 972 Fifth Avenue, New York, N.Y. 10021.

THE GUAYMAN STORY. 16mm, color, sound, 27 min. A visit to the NASA tracking station at Guaymas, Mexico, and a study of the relationship between the community and the space facility. Audience: high school, adult. Free loan from NASA field libraries, or NASA Headquarters, Code FAD-2, Washington, D.C. 20546.

HEALTH ON WHEELS. 16mm, b&w, sound, 14 min. Depicts the basic principles applied in mobile multiphasic chronic disease screening. Pre-screening organization, screening techniques, types of educational approaches, reporting systems, and follow-up are all discussed. Audience: professional personnel and lay audiences interested in health. Purchase \$95 from International Film Bureau, 322 S. Michigan Ave., Chicago, Ill. 60604 (Sponsored by the Oklahoma State Department of Health).

PEOPLE ARE DIFFERENT AND ALIKE. 16mm, color or b&w, sound, 11 min. By showing many kinds of people who, despite their seeming differences, are engaged in similar activities and have similar reactions, the film makes vividly clear that human beings are basically similar the world over. Audience: Grades 4-6. Purchase and rental information from Coronet Films, 65 E. South Water Street, Chicago, Ill. 60601.

TOTEMS. 16mm, color, sound, 14 min. Totems originated on America's Northwest Coast from Seattle through British Columbia and southeastern Alaska. Film explores the origin and meaning of totems, how they were made and now being made, and their past and present uses. Audience: upper elementary, high school, college, and adult. Purchase \$150 from Northern Films, Box 98, Main Office Station, Seattle 11, Wash.

WAVES ACROSS THE PACIFIC. 16mm, color, sound, 32 min. Account of a 3-month scientific expedition which follows the 10,000-mile journey of ocean waves across the Pacific, from generation in an Antarctic storm to attenuation in Alaska. Demonstrates methods used for wave study, and includes stop-motion and slow-motion photography of waves. Audience: high school, college. Purchase \$260 from McGraw-Hill Films, 330 West 42nd St., New York, N.Y. 10036.

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