UNUSUAL BARGAINS

## SHOPPING MART

GIANT FREE **CATALOG!** 

A selection of products available by mail for readers of SCIENCE NEWS 148 - PAGES BY MAIL All merchandise sold on a money-back guarantee. Order direct by Stock No. Send check or M.O.

YOUR MUSIC IN DAZZLING ACTION with





Dramatic Breakthrough In Audio-Visual Enjoyment

In Audio-Visual Enjoyment
Adds a spectacular new dimension to
the world of music and entertainment.
Now you can actually see your favorite musical selection translated into
fantastic patterns of beautiful color—each individual note creating its own
unique, twisting, radiating shape... each shape dancing and syriling in perfect time with the music. Science, art and electronics
combined with dramatic results, Attaches in seconds to your radio, tape recorder, hi-fi or steree with two alligator clips. Can be used on small screens,
large walls, stages and whole auditoriums. Loads of fun! Wonderful for
parties! Practical, too! Unlimited special effects for bands, dances, clubs,
sales meetings, trade shows—put zip into classroom or private music instruction
and appreciation. Available in Cabinet Model, Tube Unit. 8" and 12" sets or
build your own Music vision" with our low-cost Do-lit-Yourself Kit—all you'll
need is a light source. If you don't have one, the versatile Edmund 35mm 500
Watt Projector is a terrific bargain. Order by stock numbers listed below.
Money-back guarantee. Complete information in use catalog. Send 25c in coin
for fully illustrated, 16-page Booklet No. 9096Q "Introduction to Music Vision"."

Stock No. 71,0090 \$22.50 Ppd.

8" DO-11-79 URSELF KIT Stock No. 71,009 \$22.50 Ppd.
8" SET (Metiondizer, color wheel, apertures)—Stock No. 71,003 \$45.00 Ppd.
12" SET (same as above w/larger Motiondizer)—Stock No. 71,032 \$37.50 Ppd.
WALNUT VENEERED CABINET MODEL—Stock No. 85,181 \$99.55 FOB
500 Watt 35mm PROJECTOR (for above sets)—Stock No. 71,057Q \$24.50 Ppd. Patent Pending.



"FISH" WITH A MAGNET

"FISH" WITH A MAGNET
Go treasure hunting on the bottom!
Great Idea! Fascinating fun and
sometimes tremendously profitable!
Tie a line to this powerful, but
lightweight Magnet—drop it overboard in bay, river, lake or ocean.
Troll along the bottom — your
"treasure" haul can be outboard
motors, anchors, fishing tackle—
all kinds of metal valuables. Specially designed horseshoe-shaped
with 3½" sq. gripping surface.
Tremendous lifting power — over
150 lbs. on land, much more under
water,

Water.
NO. 71.134Q—
75 LB. PULL \$ 6.50 PPD.
NO. 71.135Q—
150 LB. PULL \$12.50 PPD.



MAGIC JUMPING DISCS

MAGIC JUMPING DISCS
Put one of these quarter-sized crazy buttons down and stand back, In a matter of seconds it'll jump almost 6 feet high, Just like magic ... but it's really scientific. Actually, the warmth of your hand holding these metal discs makes the trick. After palming a disc, place it on any cool surface and in moments it'll take-off. Loads of fun for kids of all ages. Package of welve only \$2.
Stock No. P-41,150Q \$2.00 Ppd. Set of 100
Stock No. P-41,180Q \$12.00 Ppd.



NEW WORKING MODEL DIGITAL COMPUTER

DIGITAL COMPUTER
Solve problems, teach logic, play
games with miniature version of
giant electronic brain! Adds, subtracts, multiplies, shifts, complements, carries, memorizes, Colore
plastic parts easily assembled. 12"
x 3½" x 4½" incl. step-by-step
passembly diagrams, 32-p. instruction book covering operation, computer language programming probtems & 15 experiments.
Stock No. 70.683Q....\$5.98 Ppd.

BIG. NEW DIGICOMP III.



AMAZING DRY COPIER—\$29,95
Copies half-tones, all colors, even
book pages. No liquids, chemicals
or sprays needed. 2 easy steps
make sharp black-on-white permanent copies up to 8"x10" in a
minute. Automatic timer eliminates guess work. Perfect for
home, school, office, clubs, assoe,
etc.—1000's of uses. Does practically everything machines costing 100's of dollars can do. Made
in USA under 3M Co. license—
really amazing bargain. Weightceally amazing bargain. Weightceally amazing bargain. See 15"

"Yei" 15" 15" 16" Handsome, tough brown
case. Paper avail, separately.
Stock No. 80,117Q \_\_\_\_\_\_ \$29,95

Plus \$2 postage & handling
8"x10" PAPER—(33 Sheets)
Stock No. 80,118Q \_\_\_\_\_\_ \$3.25 AMAZING DRY COPIER-\$29.95



WOODEN SOLID PUZZLES
Here's a fascinating assortment of
12 different puzzles to provide
hours of pleasure and stimulate
ability to think and reason. Animals and geometric forms. Take
them apart and reassemble them.
Lots of fun for the whole familyyoung and old. Will test skill, patience and ability to solve problems. Order yours now.
Stock No. 70,2050.......\$4.00 Ppd.



3" ASTRONOMICAL TELESCOPE

3" ASTRONOMICAL TELESCOPE
See the stars, moon, phases of
Venus, planets close up. 60 to 180
power. Aluminized and overcated
3" diametre f/10 primary mirror,
centilated cell. Equatorial mount
with locks on both axes. Equipped
with 60x 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.
4½" REFLECTOR TELESCOPE
Stock No. 85,050Q \$34.50 FOB
6" REFLECTOR TELESCOPE
Stock No. 85,066Q \$199.50 FOB

## SCIENCE FAIR **HEADQUARTERS!**



GIANT WEATHER BALLOONS
"Balls of tun" for kids, traffic
stoppers for stores, terrific for amateur meteorologists. Create a
neighborhood sensation. Great
backyard fun. Exciting beach attraction. Amateur meteorologists
use to measure cloud heights, wind
speed. and temp. Made of heavy
duty neoprene. Inflate with vacuum
cleaner or auto air hose: or locally
available helium for high rise
Stock No. 60.558Q. 8". \$2.00 Ppd. Stock No. 60.568Q. 8'\_\_\$2.00 Ppd. Stock No. 60.632Q.16' \$7.00 Ppd.



NEW! TOP QUALITY LOW-COST GYRO!

Walks on a string, splins on a pen-cil point, even keeps its balance when tilted. Special turning equip-ment makes this one of the best spinning gyroscopes we've seen—up to 5 minutes. Loads of fun. All kinds of tricks. Create optical il-lusions, psychedelic patterns, even stroboscopic effects w/special at-tachable color discs. Separate ad-justable housing dramatically dem-onstrates gyro-compass. . re-markable energy of gyro action. Fully illustrated 16-page instruc-tion booklet shows you how, tells you why. Perfect gift—great for classrooms.

ock No. 71,136Q



NOW! WATER CLIMBS

UP HILL

Amaze your friends—loads of fun
—perfect for Science Fair. Water
actually flows up side of glass &
siphons freely into other container. To stop flow—cut with scissors
—watch it snap back. Secret's in
special additive with long molecular structure—req. only ½ tsp. to
glass. Friction reducing additive
has all kinds of industrial, agricultural, experimental uses—a
pinch even makes gold fish slide
thru water faster. 3 oz. can enough
for 84 pints of water. Instr.
Stock No. 41,086Q....\$2.00 Ppd.

## GIANT FREE CATALOG 148 Pages! More than 4,000 UNUSUAL BARGAINS! Packed with huge

Packed with huge selection of telescopes, microscopes, binoculars, magnets, magnites, magnites,

ing,	Barrington,	N.J.	08007.
Name			
Addı	ress		
City			
State	0	Zip	

ORDER BY STOCK NUMBER . SEND CHECK OR MONEY ORDER . MONEY-BACK GUARANTEE

EDMUND SCIENTIFIC CO. 300 EDSCORP BUILDING

180/science news/vol. 95/22 february 1969

## **MS** 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.

DEEP BAY TESTING BORINGS. 16mm, color, sound, 29 min. A step-by-step history of underwater test borings to depths over 900 feet in 22 locations to determine the feasibility of an aqueduct tunnel in solid rock under New York harbor. Geological aspects and the operations and movements of three drilling platforms highlight drilling methods. Audience: engineering, universities, contractors, government. Free loan information from Film Library, Raymond International Inc., Two Pennsylvania Plaza, New York, N.Y. 10001.

GROOVING FOR SAFETY. 16mm, color, sound, 12 min. Skid accidents reportedly kill about 10,000 people every year, and injure another 300,000. The majority of these crashes happen in wet weather when visibility is limited and longer stopping distances are needed. The most perilous skid of all is caused by tire hydroplaning, a phenomenon first identified by studies which showed that as the moving tire contacts and displaces water on a road, hydrodynamic pressures build up a wedge of fluid at the point of contact between tire and pavement. As the vehicle speed increases, the wedge becomes sufficient to keep the tires from contacting the road. Film illustrates a new technique currently being employed to prevent tire hydroplaning, by putting narrow grooves in highways to provide an escape route for the water and improving tire traction. Audience: high school, university, general. Free loan from Ayer Public Relations, 1271 Avenue of the Americas, New York, N. Y. 10020.

NEVER ALONE—M-1469-X. 16mm, b&w, sound, 18 min. Portrays some of the ways in which chaplains in institutions for the mentally retarded work with other disciplines to meet the needs of the patients. Shows the chaplain at Parsons State Hospital and Training Center, the work which he does, the varied skills of the staff with which he works, and the interdisciplinary teamwork necessary for treatment, training and research. Audience: hospital staffs, professional organizations interested in mental retardation, church groups, schools, colleges, adult groups. Free loan National Medical Audio Visual Center (Annex), Chamblee, Ga. 30005, Attention: Film 3 Distribution. Distribution.

NOW IS THE TIME. 16mm, b&w, sound, 36 min. A warning that there is no longer time for white establishment equivocation, no more time for calls for patience, no more legal landlord loopholes. The black American is ready to move, militantly if he must, to first-class citizenship. Film reflects the dangerous mood of many Americans. Audience: high school, adults. Purchase \$200 from Carousel Films, 1501 Broadway, New York, N.Y. 10036.

ONCE UPON A TIME THERE WAS A DOT. 16mm, color, sound, 8 min. An animated film which traces the evolution of mechanical technology in which a dot becomes a circle, a wheel, and finally evolves into relatively complex machinery such as an airplane, Audience: school, college, adult. Purchase \$135 or rental \$12.50 from McGraw-Hill Films, Dept. DF, 330 W. 42nd St., New York, N.Y. 10036.

SNAILS: BACKYARD SCIENCE. 16mm, color or b&w, sound, 11 min. By looking closely at a common backyard snail, we discover for ourselves many interesting things about it. It moves slowly and will not harm us. It lives in damp and shady places. The snail has two pairs of stalks on its head with eyes at the ends of the longer pair. It has a shelf that protects its soft, most body from drying out. Audience: elementary. Purchase color \$120 or b&w \$60 from Film Associates. 11559 Santa Monica Blvd., Los Angeles, Calif. 90025.

VD—NAME YOUR CONTACTS. 16mm, color or b&w, sound, 22 min. Over 1,200 new cases of VD occur each day in the United States. Although a majority of victims are in the 20-24 age bracket, an alarming increase is occurring in the teen-age group. Presented are seven cases of people with veneral disease being convinced by public health authorities of the necessity to name in confidence their contacts. Only in this way, the victims learn, can they help to stop the spread of infection and give those infected a sure chance for a cure before irreparable damage takes place. Film soft pedals fear and moralizing. Audience: high school, college. Purchase color \$260 or b&w \$130 from Coronet Films, 65 East S. Water St., Chicago, Ill. 60601.