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SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Emory University

Emory's First Chimp

See Page 311

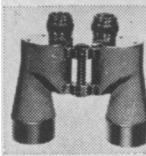
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Big savings! Brand new! Crystal-clear viewing—7 power. Every optical element is coated. An excellent night glass—the size recommended for satellite viewing. Individual eye focus. Exit pupil 7mm. Approx. field at 1,000 yds. is 376 ft. Carrying Case included. American 7x 50's normally cost \$274.50. Our war surplus price saves you real money.

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70,004-Q	6"	1 1/4"	11.95 Ppd.
70,005-Q	8"	1 3/8"	19.50 Ppd.
70,006-Q	10"	1 3/4"	30.75 f.o.b.
70,007-Q	12 1/2"	2 1/8"	59.95 Barrington

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Faithful Time Afloat or Ashore
Handsome metal case in either brass or chrome. Highly corrosion resistant for use on shipboard or home. Finely made, unusually high quality. 8-day clock has familiar 1 to 12 dial—also marked with 24-hour system of timekeeping and traditional watch periods from Evening (or First) Watch through Second Dog Watch. Chimes nautical half-hour intervals from 1 to 8 bells. (can be turned off). Thermometer at bottom of dial. Wt. 6 lbs.
Stock No. 70,781-Q Brass **\$60.00 Ppd.**
Stock No. 70,782-Q Chrome **\$60.00 Ppd.**

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Science Treasure Chest—Extra-powerful magnets, polarizing filters, compass, one-way-mirror film, prism, diffraction grating and lots of other items for hundreds of thrilling experiments, plus a Ten-Lens Kit for making telescopes, microscopes, etc. Full instructions included.
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Stock No. 40,752-Q **.95¢ Ppd.**

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Ever ripen tomatoes by magnetism—paint pictures using magnet as a brush and iron filings as paint!
Surprising new ideas and uses for the bewildering forces of magnetism are continually discovered. Here, in one low-cost kit, you can learn and experiment with varied materials that obsoleted Magnetite—the natural magnetic ore. Terrific assortment includes ferrites, ceramics, flexible rubber, alnico in every shape imaginable—up to 20 lbs. pull. Sizes range from 3/4" x 7/16" to 3" x 3" x 1/32". Incl.: alnico w/handle, U-shaped alnico, three—2 sided ceramic, flexible strip, alnico bar, ceramic, alnico disc w/center hole, 2 lg. alnico cyl. sm. alnico cyl. flex. sheet, 2 baby alnico bar, 3 channel-type pole pieces for sm. ceramic magnets, bar magnet keeper, 2 disc magnet keepers, compl. info. and inst.
Stock No. 70,780-Q **\$5.00 Postpaid**

EXPLORE THE WORLD OF "OP ART" Fascinating New Experimenters' MOIRE PATTERN KITS

Fantastic Visual Effects! Limitless Applications
Now! Experiment with the amazing new tool of tomorrow. Basis of "OP ART"—latest rage sweeping the country in art, fashion, packaging industries. 1,000's of uses for hobbyists, photographers, designers, lab and home experimenters. Fun! Profitable! Unlimited potential. Here's your complete instruction kit developed by Dr. Gerald Oster, Brooklyn Poly. Inst. Contains 8 basic patterns on both clear acetate lantern slide size 3 3/4" x 4" (.020 thick) and .012" thick white Kromekote paper 3 3/4" x 4 1/2" (coated one side): two piece 3 3/4" x 4" 150-dot screen on film, copy Dr. Oster's book, "The Science of Moire Patterns", an authoritative introduction to the fascinating world of moire.
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NOW AVAILABLE IN FULL COLOR

Wait 'til you see the fantastic rainbow of color—all 8 patterns above in full transparent colors, red, yellow and blue, plus black (total 40). Compl. instructions.
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Stock No. 70,790-Q **\$6.00 Ppd.**

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8 new patterns above in red, yellow and blue; plus black (total 40) with inst. by Dr. Oster.
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NEW JUMBO 20" x 25" MOIRE PATTERNS

Excellent for displays and signs. Write for details. MOIRE PATTERN ACCESSORY KIT. For additional experiments. Incl. metallic balloon, calcite, two kinds of diffracting gratings, one-way mirror foil, polarizing materials, Ronchi rulings, assortment of lenses.
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Terrific Buy! American Model! OPAQUE PROJECTOR

Projects illustrations up to 3" x 3 3/4" and enlarges them to 35" x 30" if screen is 6 1/2 ft. from projector, larger pictures if screen is further away. No film or negatives needed. Projects charts, diagrams, pictures, photos, lettering in full color or black-and-white. Operates on 115 volts A.C. current . . . 6-ft. extension cord and plug included. Operates on 60 watt bulb; not included. Size 12" x 8" x 4 1/2" wide. Weight 1 lb. 2 ozs. Plastic case.
Stock No. 70,199-Q **\$7.95 Postpaid**
Opaque Projector with Kaleidoscope Attachment. Same unit as above, but provides endless additional projects with everchanging kaleidoscope patterns.
Stock No. 70,714-Q **\$10.00 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. Size 12" x 8" x 4 1/2" wide. Weight 1 lb. 2 ozs. Plastic case.
Stock No. 70,571-Q—5-lb. Magnet. **\$12.50 Postpaid**
Stock No. 70,570-Q—3 1/2-lb. size. **\$8.75 Postpaid**
Stock No. 85-152-Q—15 1/4-lb. size lifts 350 lbs. **\$33.60 FOB**

Revolutionary Technological Breakthrough in LIVING UNDER WATER

Underwater Ant Nest Used to Dramatize Development
Sensational new development may be forerunner to underwater cities, the day man will live under the sea. Silicone Rubber Membrane enables ants (and other creatures) to live and breathe normally by obtaining life giving oxygen from water even though ant nest is submerged and sealed off completely from atmosphere. When ants consume oxygen in nest, pressure decreases below that of oxygen pressure in the water—allow oxygen from water (but not water) to pass through membrane. When carbon dioxide pressure increases inside nest it passes out through membrane. 3" x 5" membrane (.001" thickness) is bonded to dacron mat for mechanical strength and made exclusively, by hand craftsmen, for Edmund Scientific's experimental customers. Nest comes complete with sand, food, certificate to be returned for supply of ants. Complete instructions. Supply limited. Use your aquarium or order ours, listed below.
Stock No. 70,801-Q (Ant nest, membrane, instr.) **\$8.75 Ppd.**
2 1/2 GALLON PLASTIC AQUARIUM
Stock No. 90,014-Q **\$7.95 Ppd.**

BARGAINS GALORE! HOURS OF FUN! ONLY \$5 NEW POPULAR SCIENCE FUN CHEST

Here are Edmund's 9 top selling science toys and curiosities in one fascinating, low-cost package. Perfect gift item. Amuse and delight young and old for hours on end. Educational, too! Teach basic science principles in a wonderful new fun way. Incl.: Solar Radiometer—spins at 3,000 rpm. Albert the Bobbing Bird—runs continuously on thermal energy. Amazing Sealed Mercury Puzzle; Five 2-sided Ceramic Magnets; Big 3 1/2" Burning Glass in Zip-Lip Poly Bag; Magnetic Doggle & Spinning Ball—ball spins as dog approaches; Diffraction Grating Rainbow Viewer; **PIK-UP Ring** (with Edmund T.A.K.); Popular booklet, "Astronomy and You". All in die-cut storage box with complete instructions.
Stock No. 70,787-Q **\$5.00 Ppd.**

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Unparalleled Value
For the first time a 6-volt, light-weight nickel-cadmium battery in stainless steel, strap type casing, 4-amp hour capacity. Almost unlimited life—thousands of discharge-charge cycles with minute deterioration—charges fully in approx. 1 hr. with Edmund charger kit. Just a few drops of water per year provide full maintenance. Hundreds of uses for hobbyists, amateur photographers, campers, model builders, etc. Unequaled for rechargeable lanterns; cycle scooters, and boat lights; portable fluorescent and ultraviolet lights; electronic flash units. Battery requires minimum of electrolyte; is sealed to prevent loss; delivers nearly 100% of output at below freezing temperatures compared to 50% by lead-acid batteries. No corrosive fumes under any stage of recharge. Can't be damaged by accidental charge in reverse (but not recommended). Stud type terminals on top 1 1/2" apart, marked for polarity; 6-32 thread, nuts and lock washers. 6" x 2" x 4". Wt. approx. 2 lbs.
Stock No. 70,776-Q **\$15.00 Ppd.**
CHARGER KIT FOR 6-VOLT BATTERY. Charges in approx. 1 hr. Shuts off automatically, attaches to Stock No. 70,766 battery case. Includes transformer, ballast resistors, charger circuit board, mounting hardware, 8-ft. cord, plug switch, assembly instructions.
Stock No. 79,807-Q **\$8.00 Ppd.**
ONE 1.2 VOLT NICKEL-CADMIUM CELL
Stock No. 40,798-Q **\$3.95 Ppd.**

Solve Problems! Tell Fortunes! Play Games! 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.
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WAR SURPLUS ELECTRIC GENERATOR

Brand-new Signal Corps Generator for endless experiments, electrical uses, demonstrations. Generates up to 90 volts by turning crank! Use in high impedance relays. Charge ground and bring up night crawlers for fishing bait. Has 2 Alnico Magnets. Wt. 2 lbs. Cost Govt. \$15.
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Same type generator, mounted with light, as electricity demonstrator. Stock No. 50,365-Q **\$11.95 Ppd.**

Protect Glasses, Get Perfect Fit, Make Minor Repairs NEW EYEGGLASS WEARER'S KIT HAS EVERYTHING

For Home, Car, Office Work Areas
Here's a completely different gift—new, compact 10 item Kit of handy "solve-it-fix-it" items provides everything for comfort, protection, convenience. Get perfect fit, prevent breakage, loss, fogging; keep your glasses sparkling clean; make minor repairs on the spot! Incl. instr.; test charts, eye-care hints.
Stock No. 60,552-Q **\$5.00 Ppd.**

Order by Stock No.—Send Check or M. O. Shipment same day received—Satisfaction or money back.

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FOR THE MOST UNUSUAL PERSON ON YOUR CHRISTMAS LIST



Wouldn't he (or she) like a gift of twelve packages, one to arrive each month in 1966?

**Twelve Surprises
One each month
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IN EACH 1966 monthly gift package, there will be several objects of science to be handled, looked at, experimented with, and owned by you. Included will be sheets of explanation which give the interesting details of discovery, of development, of manufacture; and tell how to perform unusual experiments with the contents of the package.

Since late in 1940, packages like these have been going forward to members of the THINGS of science group. Glance over this list, then decide whether a membership, which brings monthly packages on subjects as widely varied as these, isn't just the thing for that most unusual person on your Christmas Gift list.

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member, you could hint to someone that you'd like it as a gift yourself.

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