

The Weekly Newsmagazine of Science

SCIENCE NEWS

December 5, 1992
Vol. 142, No. 23
Pages 385-400



Touch-and-Talk Maps

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Assortment of 250 luminous stars that glow in the dark on ceiling or wall. Your students will enjoy receiving these "star" gifts that will light up a room with the beauty of glowing stars and have fun with astronomy. Easy to apply decals glow after exposure to light. Comes with star chart and instructions to recreate the Big Dipper, Milky Way and the heavens. **SG9521 Pkg. of 250 \$4.50**

Every Detail Of Your Eye Enlarged.

Check contact lenses and inspect your own eye with our unique close-up eye inspection mirror. Our precision radius mirror with front surface coating allows you to inspect your own eye by simply holding the mirror approximately 2 inches in front of your eye. Ideal for contact lens wearers or to inspect for irritant alien particles. Mirror is 2 inches in diameter with front surface aluminized coating. **SG39.152 \$9.95**

Have You Ever Seen The Inside Of Your Eye?

Eyescopes is an optical device for looking at the inside of your eye. It's a specially designed diffuser incorporating a parabolic mirror and lens light. Safe and easy to use. A 52 page booklet included, describes the various features inside the normal eye; how the iris works, kinds of floaters and fixed objects, how to inspect contacts. **SG33.538 \$29.95**

Fun And Intriguing! You'll Play For Hours With These Colorful Magnetic Magic Marbles.

Build a mountain or odd geometric patterns with these fascinating, high impact plastic marbles. Each marble has both a negative and positive pole. A challenge to your imagination. Fun for youngsters, adults, too! 20 marbles per package. **SG34.968 (Package of 20) @ \$3.95 Ea. (5 Packages or more) @ \$3.70 Ea. (10 Packages or more) @ \$3.20 Ea.**

Hear The Softest Whisper At 100 Yards Using Our Bionic Ear With Its Parabolic Booster.

You'll now be able to listen to thousands of sounds that are too low to be heard with the human ear with this portable listening device, designed for professional security. Excellent for bird watching, security, law enforcement, hunting and for the hearing impaired. The Bionic Ear has an omnidirectional microphone that amplifies sounds from all directions with the dominant sounds coming from the direction that the unit is pointed in. It contains an automatic safety shut-off circuit for testing ultra loud incoming sounds that may be harmful to your hearing. Complete with headphones and a Parabolic Booster, making the unit even more powerful and directional, enabling it to pinpoint the direction that sounds are coming from. Weighs 1.2 lbs., powered with a 9V battery (not included). **SG33.595 \$135**

The Vortex, More Than A Money Bank!

Performs spinning tricks and huge maneuvers. Drop a coin onto the launching spin. The Vortex unit in a circular motion. This creates an immense amount of speed causing the coin to spin around and around until it finally drops to the bottom storage area. **The longest continuous rolling so far is 33 hours, 16 minutes!** Challenge your skills, spin the coin back up the tunnel or spin it upside down, plus more. Made of tough polypropylene. Instructions included. **SG37.832 \$18.50**

Perform Experiments With Equilateral Prisms Discovered by Sir Isaac Newton.

Prism discovery optics have three equal 60° angles, ideal for classroom demonstrations. Turn sunshine into rainbows, bend light, even make a periscope. You can perform Newton's basic dispersion of white light into the spectrum experiments. All made of optical glass. Face size is 25mm. **50mm, SG31.861 \$5.35 100mm, SG31.796 \$6.85 75mm, SG31.797 \$5.75 150mm, SG31.799 \$9.25**

"700 Science Experiments For Everyone" — An Exciting Book For Science Fair Projects.

A brand new, up-to-date edition of the best known science experiment book in the world. Compiled by science instructors under the auspices of UNESCO in Paris. 251 pages, featuring optical projection, electricity, chemistry, astronomy, magnetism, geology, physiology and more. Describes experiments with easy-to-follow instructions, diagrams. **SG9301 \$13.95**

Newton's Third Law Of Motion Demonstrated With The Five-Ball Swinging-Wonder.

It's hard to put down once you start playing with it. Swing one of the nickel plated balls and watch the one on the opposite side swing back. Consists of 5 balls suspended by monofilament to the wood frame. **SG33.739 \$22.95**

Add Power To Your Model Boat With A Submersible Motor And Propeller.

Add power to boat models or any floating toy by simply attaching this submersible Mabuchi motor directly to the bottom with suction cup or glue. Powered by one "AA" battery (not incl.). Internal motor turns a small 2 blade propeller, adjustable rudder. Measures 4 1/4" x 1 1/4". **SG39.289 \$5.00**

Build This Authentic Deadly German U-Boat. It's Motorized To Actually Run And Dive!

Authentic 1/150th scale model of the German Type VIII submarine is motorized to run and dive. Assembling this kit will teach the basic engineering principles of submarine operation and buoyancy. Parts are molded in realistic battle colors, only glue and common hobby craft tools are required. Powered by 3 "C" cells (not incl.). Finished model is approx. 16 inches long. **SG38.412 \$22.95**

This Pocket Accelerometer Actually Measures The Speed You're Going, Even On A Roller Coaster.

Record accelerations of roller coasters and other rides or faster than the dashboard of your car and measure centripetal acceleration as you go around corners. The face of the accelerometer is calibrated in units of "G" so you can read the acceleration directly from the unit. Durable plastic, equipped with locking mechanism to hold given acceleration unit until it can be recorded. **SG39.834 \$16.70**

Flash Rocks.

Strike them together and see amazing flashes inside the rocks. The source of light is a miniature "lightning flash" that occurs in the quartz material within the rocks. It's nature's Piezo effect. **SG37.474 \$7.95**

Go Fishing With This Mighty Magnet.

Lift up to 200 lbs. Fun to use around docks and bridges. A must for a boat, it helps retrieve metal objects that fall overboard. You'll be amazed at what you pull up. Weighs 2 lbs., measures 4 1/2" x 3 1/4". Made with a Poly-Vinyl Chloride coating to resist corrosion and chipping. **SG71.135 \$33.95**

Build Your Own Motorized Walking Robot.

A Capsula discovery toy can be an exciting introduction to robot technology and engineering. You'll be able to build a slow-motion robot and, at your command, watch it move forward or backward in perfect calibrated balance. **It almost becomes alive!** Contains complete instructions and 38 interlocking parts. **SAVE! Reg. \$27.95 SG39.858 SPECIAL \$23.95**

Check the Water Quality In Your Area With A Complete Water Quality Testing Kit.

For teaching or learning the basics of water quality. Kit includes detailed instruction manuals plus the necessary materials for 10 tests for detection of chlorine, removal of taste, odor, color and turbidity with activated charcoal. **SG38.815 \$29.95**

Explore The Arena Of Lens Making With Edible Optics™

Cast both converging and diverging lenses out of gelatin. The method of apparent thickness is used to determine the refractive index of gelatin. A Spherometer is provided to measure the curvature of gelatin lenses. Kit included 4 petri dishes, 4 watch glasses, 1 plastic tube, 3 packages of gelatin, 1 spherometer and instruction manual. **SG39.827 \$27.50**

Precision Gyroscope Performs Gravity Defying Feats, Rotates Up To 3 Minutes.

Demonstrates "gyroscopic inertia" or rigidity in space as first recorded by Sir Isaac Newton in the 17th century. An object rotating about a fixed axis holds its position with respect to inertial space, no matter how the spinning object's support is moved about. Gyro-controlled guidance and navigation systems are used in ships, planes, missiles and space craft and used in mapping/survey work, oil drilling and motion-picture production. With laser gyros and advanced control mechanisms, gyroscopic principles promise to be an important part of tomorrow's technology. **SG52.063 \$7.99**

Radiometer...A Space Age Sphere.

It's fascinating to watch the delicate vanes within this 5" precision-made sphere spin faster and faster illustrating the basic principle of solar heating. When light strikes the vanes it transfers heat, and the vanes begin to move. Works from direct sunlight or artificial light. An attractive conversation piece. **SG60.082 \$6.95**

Our Lowest Price Compact Laser Pointer. It's Lightweight, Measures Less Than 5".

NEW! Ideal for lecturers, educators, instructors, other professionals. It projects a brilliant red laser dot to focus attention to slide presentations, charts, business and sales meetings at distances up to 300 feet. This compact pen style class IIIa laser pointer is crafted of the finest materials and built to the highest industrial standards. 1 1/2 hours continuous battery life, uses 2 "AAA" batteries incl. Weighs less than 2 oz. Rated output 3mW at 670nm. Carries 3 year manufacturers limited warranty. **SG52.117 Price Breakthrough! ONLY \$89**

Motors By The Bag For Hobbyists, Modelmakers.

Our inexpensive motors can make wheels go round, propellers turn. Unlimited applications. Have fun by adding motion to your science fair projects, demonstrations and experiments with this special buy of 20. 1" motors with 3/8" long shafts. **20, 1" Motors SG1304 \$14.95**

Powerful Miniature Motor Runs At 9500 RPM Yet It's Only Barely Thicker Than A Pencil.

This permanent magnet motor powered by only one 1.5V "AA" battery (not incl.) can turn its shaft at 9500 RPM, current with no load 90mA. Complete with a miniature propeller that provides many applications for the imaginative model maker. Measures 3/4" L x 1/2" dia. shaft dia. 0.059" x 0.35" long. Battery holder attaches directly to motor. Overall length 2 7/8". **SG39.281 \$3.50**

Miniature Water Pump For Photo Darkrooms, Science Fairs, Water Displays.

This tiny pump can pump a pint per minute with a 12" high flow. Ideal for temperature control and circulation. **SG50.345 \$7.50**

Metric Triple Balance Ohaus Scale With Single Pan Balance.

The classic weighing instrument, provides accurate weights year after year. Rugged construction, weigh anything—liquids, solids, powders. Three tared, notched beams (100-550, 10-100, 0-10 grams) have center readings, sliding poises. 610 gram cap. Stainless 6" platform 18x6x6". **SG71.695 \$93. Acc. Wt. Set, expands scale to 2.610 cap. incl. 1-500 and 2-1,000 gr. wts. SG41.766 \$24.95**

Why Does This Amazing Space Pet or Cell Always Spin In A Counter Clockwise Direction?

Originally called "Celts" because their curious properties were first discovered by archaeologists studying prehistoric axes and aztec called Celts. These rocks had a preferred direction of rotation. Spin the space pet the other way and it will stop, rock up and down on the long axis, and then reverse its spin. Hint: the round edge is an ellipsoid, with its axis aligned at an angle of 5° to 10° from the main axis of the stone. Angular momentum is conserved, but it doesn't look it. Made of injection molded acrylic. Size: 3 7/8" x 3/4" x 1/2". **SG38.912 \$5.95**

Digital Thermometer Shows BOTH Indoor AND Outdoor Temperature, Memory For Day's High AND Low!

Now, you'll know at a glance, with large, easy-to-read LED readout numbers, both the outside and inside temperature. Thermometer also records high and low readings. F° or C° selectable —40°F to +122°F. 7x3 1/2" x 1 1/4". Easy to mount. Uses 2 "AA" batteries (not incl.). Complete with 10' probe sensor cord. **Reg. \$46 on sale SG38.038 \$30**

Make Your Own Wild Tornado.

Our Tornado Tube assembly allows you to demonstrate the wild vortex phenomenon of a natural tornado. All you need are two 1 liter or 16 oz. plastic soda bottles and ordinary tap water. Instructions and explanation of scientific principles included. **PACK of 2 tubes SG37.592 \$3.95**

Edmund's Famous Jumping Quarters Leap 3 Feet Into The Air!

Full of fun and surprises. Simply click the jumping disc between your fingers, rub for a second, lay it on any smooth surface — and POP! It leaps into the air 3 feet high. Friends won't be able to resist tinkering with them. **How does it work?** The nickel and stainless steel discs work on the principle of thermodynamics. Heat (rubbing the discs) makes metal expand, a cool surface makes it contract. **12 jumping Quarters SG42.999 \$4.25**

Can You Tell Which Ball Is A Happy Bouncer, And Which Ball Is Not?

Two seemingly identical black spheres with marked differences in their physical properties. They have the same density, mass, color and appearance, yet when dropped to the floor one jumps while the other is motionless. Marvelous thought provoking for discrepant event science. Fact sheet on physical and chemical properties plus experiments for classroom use included. **SG39.129 \$3.25/Pair; 10 or more pairs \$2.75**

Our Amazing Happy Bird Never Stops Drinking!

Fascinating to watch. Simply duck the bird's head into a glass of water to begin happy birds bobbing motion. Then the bird takes over, continuously dipping into the water for a drink. **SG60.778 \$3.95**

This Clever Gadget Will Tell You How High You Are

Whether you're driving cross country or hiking in the mountains, this Altimeter will tell you how high you are. Shows elevation from sea level to 15,000 feet. Can be mounted to dashboard with self sticking tape (incl.) or has pre-drilled screw holes. Also has built-in barometer. **SG34.544 \$39.95**

The Handboiler, An Amazing Demonstration Of Physics

Watch the liquid contained within the glass chambers appear to "boil" from the warmth of your hand that increases the vapor pressure within the chambers. The warmer your hand, the better it works in this unusual demonstration of physics. **SG37.299 \$3.95**

The Vanishing Leprechaun...Will Anyone Ever Solve This Mystery?

A fascinating illusion. We found it at a math teachers seminar. A 3x7" card with 15 leprechauns. With a slight-of-hand one leprechaun will vanish. Your friends will be mystified. **Which one vanishes? Where did he go? When he comes back, where has he been?** One of our most popular best-sellers! **SG37.473 \$6.50**

Deal An Optical Illusion Next Time You Play Poker, Blackjack Or Gin Rummy.

Visual illusion cards are a great conversation piece for your card games. Contains 52 different visual illusions and instructions. Examples: Illusions in color, color reversal, ambiguous figures, size and figure distortion. Card Size: 3 1/4" x 2 1/4" W. Two card deck styles available. **Deck A Deck B**

Great AM Radio Reception With Select-A-Tenna. Listen To Station WOR N.Y. When In Boston.

This new antenna will bring in those weak, distant AM radio signals loud and clear. You'll now get excellent reception on all AM stations. Select-A-Tenna turns your AM radio into a powerful receiver. Used in Alaska to pull in stations from continental U.S. Employs mutually inductive coupling. Mini-jack and plug. 10 3/4" dia. **SG72.147 \$59.95**

Add Spectacular Color To Your Home With A Rainbow Light Display.

Our equilateral prism mounted in an attractive high tech positioning base catches the sunlight from your window and projects the ever-changing rainbow patterns over your walls, ceiling and floor. It's almost like being inside a multifaceted diamond. Glass equilateral prism is 2" (50mm) long with 1" (25mm) faces. Black plastic mount is 3" x 1 1/2" x 1 1/2". **SG38.400 \$7.50**

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