

Your sons, your daughters, the deep concern of . . .

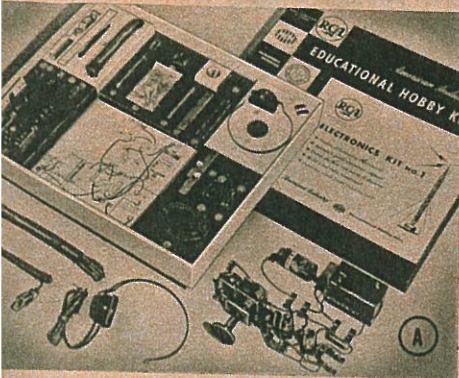
INDUSTRIAL AMERICA . . .



The inquisitive minds of American youngsters are the foundations upon which the future of the nation is being built. To question "Why?", to inquire "How?" are the opening wedges into the mysteries of science. Man's progress in adapting the materials put at his disposal to his ultimate advantage can be measured in the number of "Why?" and "How?" questions which HAVE been answered.

Now, for the first time, the genius and know-how of American industrial greats are projected directly into the grade school age group. This is a movement to provide the means whereby

youth may better understand today's complex civilization and thus become the skilled technicians and informed consumers of tomorrow. The five sets pictured on this page are produced by industrial concerns whose names have become household by-words. Prepared under the guidance of the Encyclopedia Britannica and incorporating the demonstration and display techniques developed by the Museum of Science and Industry, each set stimulates young minds by providing real operating models and easily understood explanatory booklets. The opportunity to see, at first hand, "what makes it work" inspires boys and girls to develop talents for lifetime careers and useful hobbies.



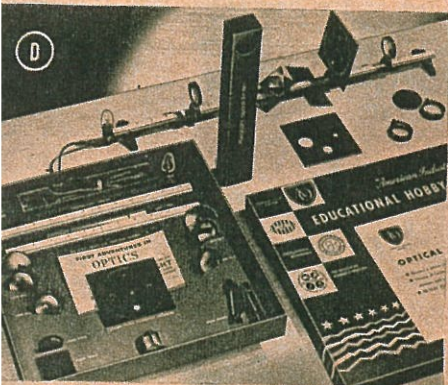
A 4-50 ELECTRONICS KIT \$29.95
(11 yrs. up)—All the parts to make a workable 2-tube radio are included in this set. The fascinating book, "The Story of Radio—How it works, What it means", was written to be understood by young minds and reduces the problem of building a radio to its most elemental concepts. Complete with material for performing dozens of additional electronic experiments. Made by Radio Corporation of America (RCA). Ship. wt. 6 lbs.



B 4-47 ROCK DETECTIVE KIT \$14.95
(8 yrs. up)—Geology, the study and classification of age-old rocks, was a neglected science for centuries but is now rapidly growing in importance. This extensive set presents a collection of 24 rock and mineral samples, geologist's hammer, pick, magnifying glass, notebook, gummed labels, identification charts and book on rock collecting. Made by Gemological Institute of America. Ship. wt. 9 lbs.



C 4-43 WEATHER KIT \$24.95
(10 yrs. up)—Weather-consciousness begins at an early age with questions about thunder, rain, snow, and wind. With this new set, youngsters not only learn how weather factors are measured and judged, but also what makes the recording instruments work. Included in the set are materials to make a real barometer, cloud speed and direction indicator, hygrometer, maximum-minimum thermometer, compass, wind direction and velocity indicator, rain gauge, and cloud chart. Included is an excellent book explaining how to observe and forecast weather. Made by Taylor Instrument Company. Ship. wt. 9 lbs.



D 4-42 OPTICAL KIT \$22.50
(0 yrs. up)—The mystery of magnification easily understood by a youngster working with well-conceived optical set. With it, you can make 4 types of telescopes, 2 microscopes and a periscope, in addition to any fascinating light experiments. Complete with lenses, mirrors, prisms, color filters, optical bench and light source. The illustrated book explains how light rays are reflected and bent through the use of the materials included so as to produce magnified images. Made by American Optical Company. Ship. wt. 6 lbs.



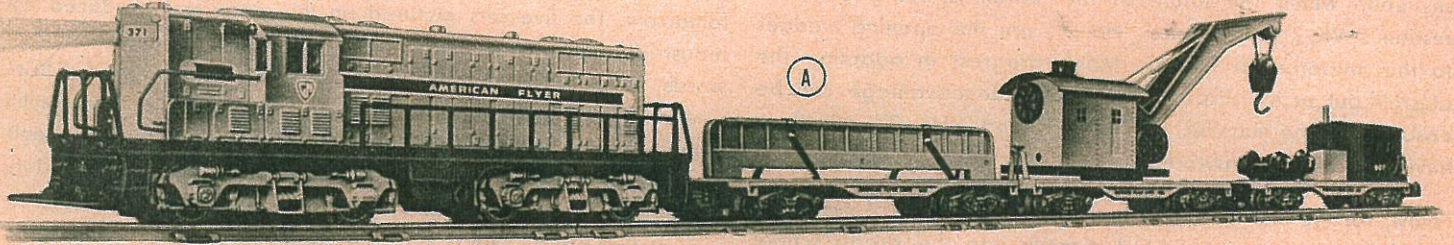
E 4-46 MEDICAL TRAINING KIT \$19.95
(8 yrs. up)—The outstanding feature of this unique kit is "X-Ray Eddie", an inflatable plastic anatomical model, showing digestive, circulatory, respiratory and skeletal systems. First aid materials and instructions as well as experimental materials for tests on seeing, hearing, touch, taste, smell, heartbeat and lung capacity are covered in one of the two books included. A separate book on diet and nutrition introduces youngsters to the importance of balanced meals. Made by Bauer and Black (Curity). Ship. wt. 5 lbs.

SEND FOR THE SPECIAL
MARKLIN TRAIN CATALOGUE

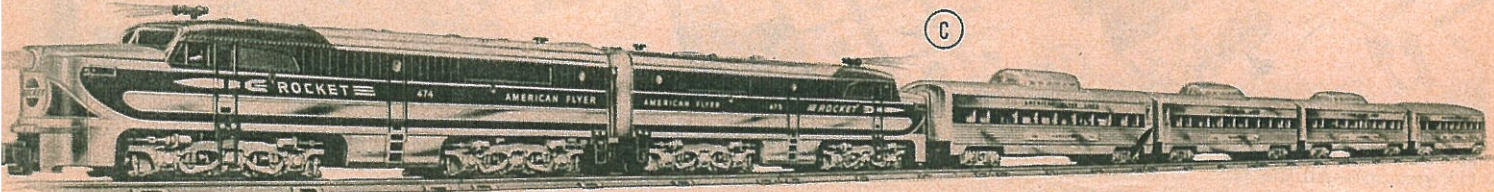


GILBERT *American Flyer* TRAINS

SCALE MODEL DESIGN . . . REALISTIC 2 RAIL TRACK



The AMERICAN FLYER Catalog will be mailed to you upon request.



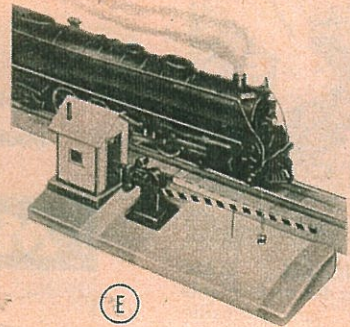
A 20-245 SWITCHER WORK TRAIN (K5417T) . . . \$29.95
 With knuckle couplers and 50 watt transformer. 19 pieces—36" long—120" of running track. This rugged diesel work train is all set to troubleshoot a mainline accident. Consists of Diesel loco with head and rear lights, Girder Car, Wrecker Car and Crane plus the Boom Car, with carrying wheels. Includes 12 pieces of track, car uncoupler, lock-on track terminal and instruction manual. Ship. wt. 15 lbs.

B 20-241 "THE MOUNTAINEER" (K5423T) Ship. wt. 15 lbs. . . . \$37.50
 With choo-choo sound, smoke, knuckle couplers, pull-mor and 50 watt transformer. 42 pieces—64" long—140" of running track. The powerful 4-6-2 "Pacific" steam locomotive with headlight and its red glowing smoke, heading a long 6 car freight drag consisting of Tender, Box Car, Oil tank car, Hopper car, Refrigerator car, Gondola and illuminated Caboose. Included are 14 pieces of track, uncoupler, track locks and lock-on terminal plus instructions.

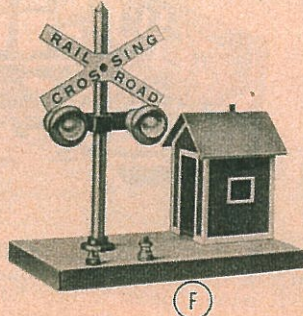
C 20-239 "THE SILVER ROCKET" (K5364W) . . . \$64.95
 With air chime whistle, headlight and front and rear knuckle couplers. 45 pieces—78" long—180" of running track. One of the finest electric trains ever made. All starting, stopping and reversing of the powerful two motored diesel engine are done by remote control. Set includes three illuminated streamlined Vista Dome cars and an illuminated lounge and observation car all in satin silver finish. Also 18 pieces of track, track locks, one track terminal, electric uncoupler and instructions. Transformer not included. See item D. Ship. wt. 18 lbs.



20-221 TRANSFORMER (18B) . . . \$26.50
 Output up to 175 Watts, 115 volts. Ship. wt 14 lbs.
20-219 TRANSFORMER (30B) . . . \$34.95
 Output up to 300 Watts, 115 volts. Ship. wt. 15 lbs.



E 20-156 CROSSING GATE WITH BELL (#600) . . . \$7.95
 Automatic sound and action plus red light when train approaches grade crossing. 8 7/8 x 2 7/8" wide. Ship. wt. 2 lbs.



F 20-238 BELL DANGER SIGNAL (#759) . . . \$4.95
 Approaching train causes bell to sound and red light to flash on and off. 5 x 2 7/8" wide. Ship. wt. 2 lbs.

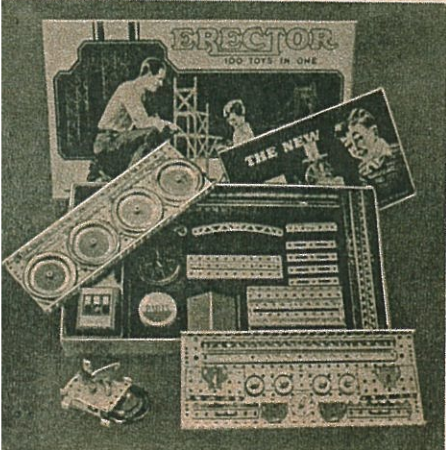


G 20-234 AUTOMATIC TALKING STATION (#799) Wt. 9 lbs. . . \$19.95
 Stop your train in front of the 16 1/4 x 8 3/4 x 8 3/4" station by pressing the remote control button and you hear sounds right from the station interior—hissing steam, piston chugs, trainmasters voice, etc. When sounds cease, train automatically resumes trip.

New York, Philadelphia, Chicago and all points West!
Who-o-o Who-o-o
Hiss-s-s-s
American Flyer through train!
All Aboard!
Chug-Chug

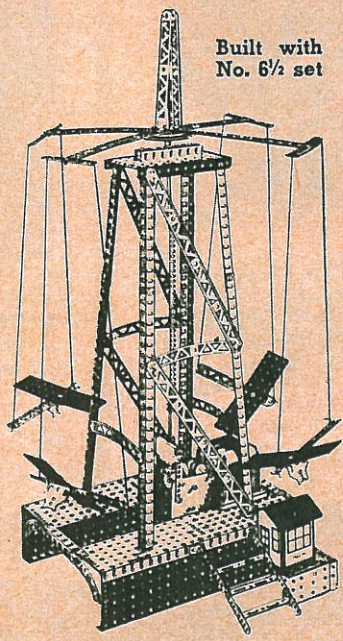
...and GILBERT TOYS

ERECTOR

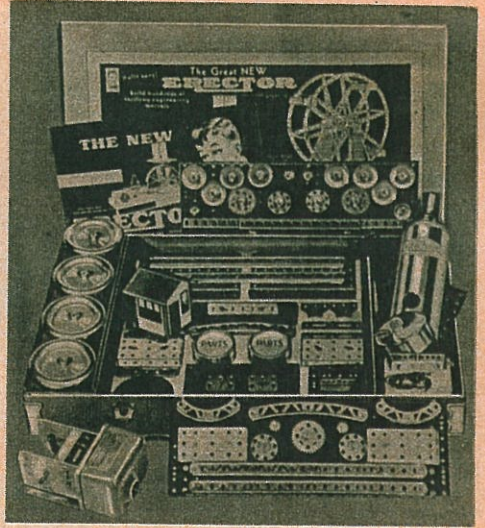


(A)

A 4-31 ERECTOR—THE MOTORIZED SET
 (No. 4½) Ship. wt. 8 lbs. \$7.95
 Two tiers of parts provide ample girders, plates, wheels, etc., to build such models as Windmill, Jig Saw, small Airplane Ride, Autogiro, Trip Hammer, Walking Beam Engine, Stamp Mill, Railroad Bridge and scores of others. Mechanical spring-wind motor enables ERECTOR trucks to run under own power—no wires, no batteries. Also operates hoist, Crane, Ferris Wheel and other models.

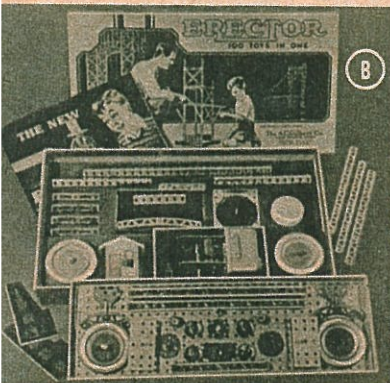


Built with No. 6½ set



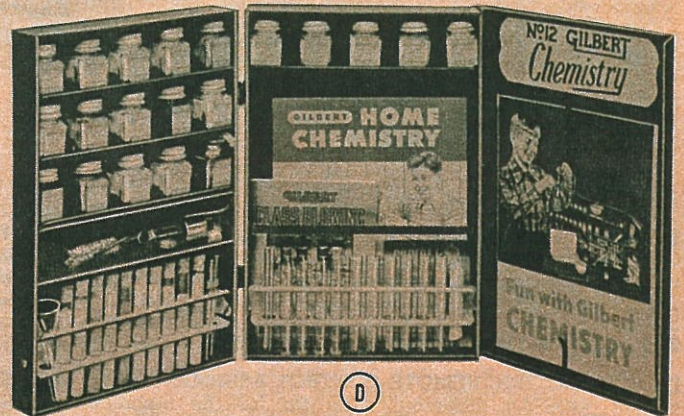
(C)

C 19-20 ERECTOR—THE ALL-ELECTRIC SET BUILDS FERRIS WHEEL (No. 8½).....\$24.50
 Nearly 16 POUNDS of Girders, Gears, Pinions, Plates, Wheels and other ERECTOR parts make up this massive set, complete with sturdy hinged-cover cabinet. In addition to a 4-speed forward-and-reverse gearing in Electric Engine, you'll find a string of electric lights to illuminate finished models PLUS an electro-magnet. With this set you can make such exciting models as a Magnet Crane, oil drilling rig, ferris wheel, Portable Derrick, Airplane Beacon, Cantilever Bridge and scores of others. Set has flex-o-matic magic coupling to transmit motor power in twists and loops. Ship. wt. 18 lbs.



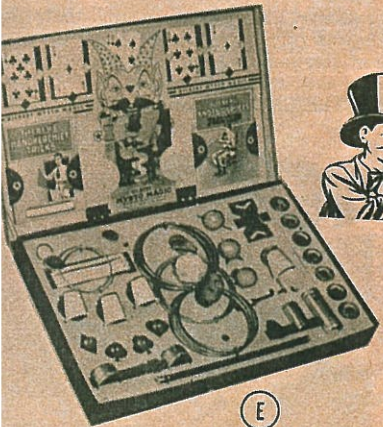
(B)

B 19-65 ERECTOR SET (No. 6½)\$13.95
 For sheer fun there has never been anything to equal Erector sets! Step-by-step you build exciting models, like Lift Bridge, airplane ride, windmill pump and HUNDREDS of others! Set includes powerful electric motor and more than 350 parts. Set has flex-o-matic magic coupling to transmit motor power in twists and loops. Hinged chest measures 18" long, 10" wide, 3" high. Ship. wt. 10 lbs.



(D)

D 19-24 GILBERT CHEMISTRY SET (No. 12) Ship. wt. 11 lbs. \$9.95
 Four shelves of chemicals, two steel racks of test tubes and apparatus, plus ample equipment and three booklets. Experiments total 379. Apparatus includes alcohol lamp, professional type stirring rods, funnel, etc. Besides 84-page CHEMISTRY book, another book tells about experiments which can be done with everyday materials. A third booklet describes 80 experiments in the fascinating field of glass blowing. Steel cabinet is 9½ x 13¾ x 3¼" deep.



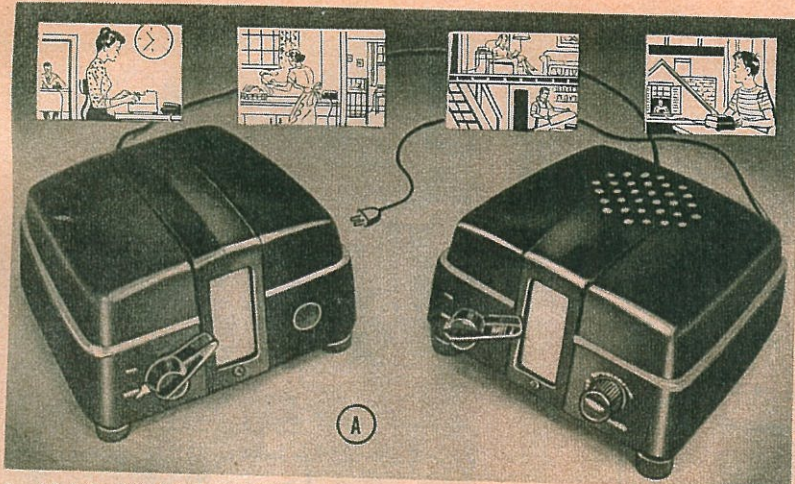
(E)

3-44 GILBERT MYSTO MAGIC SET (No. 5A) Ship. wt. 6 lbs. \$9.95
 Ingenious, mystifying tricks from all parts of the globe—and you can master them in just a few hours of fascinating practice. Includes Acrobatic Wedding Ring, Multiplying Billiard Balls, Passe Passe Coin trick, Vanishing Rabbit, Magic Keys and many, many others. Also, mustache-tee make up kit and magic show poster, plus THREE magic books. 20x13x2½".

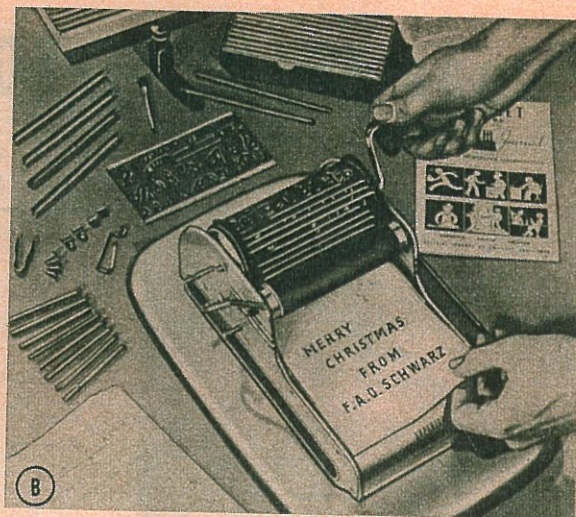


(F)

F 5-21 GILBERT MICROSCOPE SET (No. 20) Ship. wt. 8 lbs. \$18.95
 Shows nature's hidden colors tremendously enlarged. Magnifies specimens 120, 200 and 450 times their actual size. Turret mechanism permits quick magnification changes. Polaroid device brings out brilliant colors in specimens. Racks and drawers contain complete laboratory with dissecting equipment, sub-stage light, chemicals, etc. Set is 14 x 20" when opened.

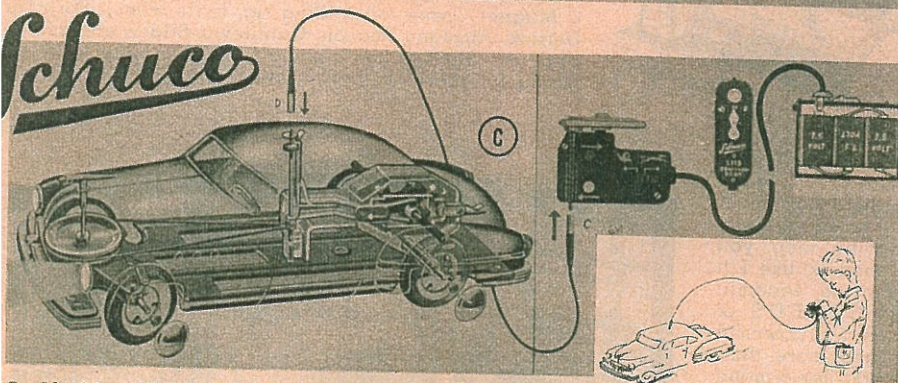


A 18-165 TWO-WAY INTERCOM \$29.95
 The uses of this new intercommunication system are many. By pressing a button, children can speak with "the chief", "a scout", or any other character in their game. Its practical uses are a boon to the lady of the house. Hooked up to playroom, nursery, or basement, this "electronic baby sitter" enables her to supervise by ear the play of the little ones. Can be heard anywhere in an average room. Calls can originate at either of the two bakelite stations. Volume controlled Master Station switch has "Talk", "Listen" and "Open" positions. Children respond to a call over the intercom—the thrill of speaking to "headquarters" is too much to resist. Simply plug into socket of house current (AC or DC 110 volts). Will operate up to 250 feet with additional wire. 50 feet of wire included. Ship. wt. 6 lbs.



B 19-23 ACE PRINTING PRESS \$10.95
 (8 yrs. up)—It's fun to print up your own "programs" for shows, or "menus" if you're playing restaurant. You can make up circulars too! Many uses for this 15" hand-operated rotary metal press, using rubber type, paper, cards, ink. Print surface 7 x 5". Wt. 7 lbs.

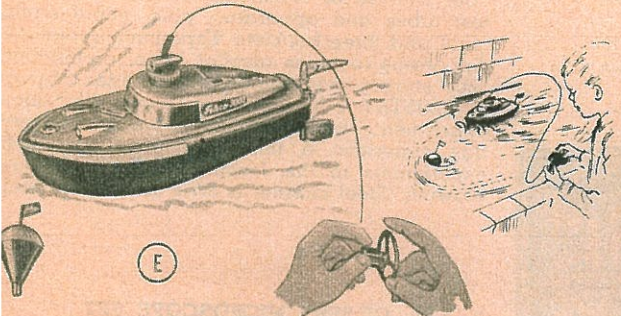
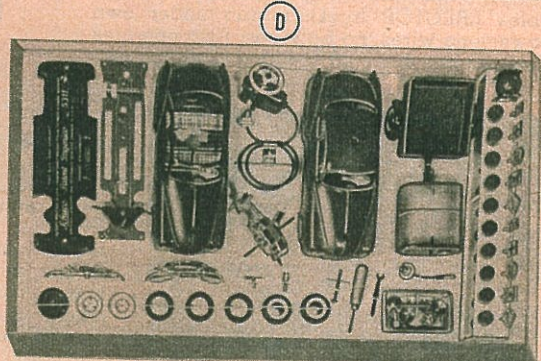
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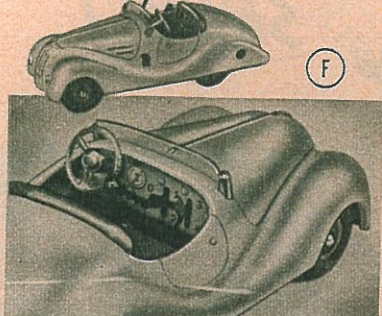
C 18-166 ELECTRO-INGENICO CAR Ship. wt. 4 lbs. \$16.00
 Completely assembled sedan, 8 1/2". Similar to car described in detail in set below, except it has simplified manual control for forward and reverse (no switch for different speeds). Has 2 beam headlights. All ready for operating. Batteries not included.
2-10 SET OF THREE STANDARD BATTERIES for above.45

D 18-3 ELECTRIC REMOTE CONTROL ASSEMBLY AUTO SET \$22.50
 (8 yrs. up)—An ingenious auto set for the technically inclined youngster. It contains all the parts to add to the already completed metal body to make an electrically operated sedan or sports

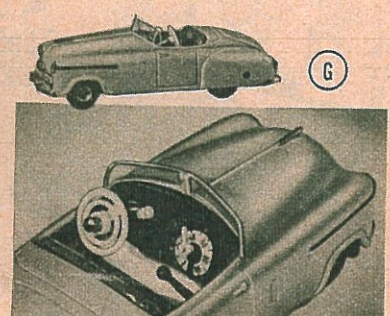
roadster. Current is supplied from batteries to car through a flexible 55" cable. The control unit, held in hand above car, is the means by which the 3 forward and reverse speeds are controlled, also direction in which car will travel, straight or in curves. Batteries can also be carried in trailer attached to car giving wider range of travel. All the nuts, bolts, wheels, rims, bumpers, etc. are included with wrench, screw driver for tools. In addition, there is a full set of traffic signals for laying out a roadway on which to practice the art of driving. Also, suggestions for playing games while operating the car. Batteries not included. Ship. wt. 6 lbs.
2-1 SET OF TWO STANDARD BATTERIES for above.30



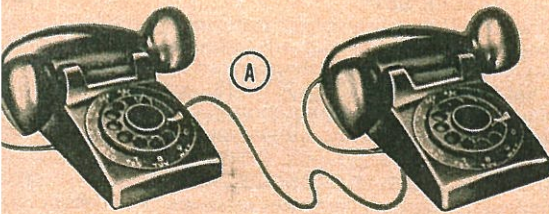
2-391 SCHUCO TELESTEERING BOAT \$3.00
 (4 yrs. up)—A most ingenious toy boat that offers varied and interesting play possibilities at lakes, pools or even in the bathtub. The 7" red and silver plastic speed boat with powerful rust-proof wind-up engine may be steered with a miniature wheel held about 2' above the boat and connected to the boat by a wire. For free running the rudder may be set in any desirable position. Has Stop and starting device. Removable deck for cleaning and lubricating the motor. Ship. wt. 1 lb.



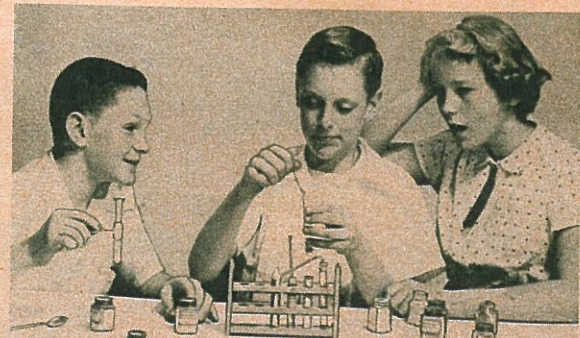
F 2-392 SCHUCO EXAMICO GEAR-SHIFT CAR \$3.50
 (4 yrs. up) — A wind-up car that has four forward gears, 1 reverse gear and neutral gear, a clutch, handbrake, effective car steering by means of an actual steering wheel. 5 1/2" overall. Rubber-tired wheels. Ship. wt. 2 lbs.



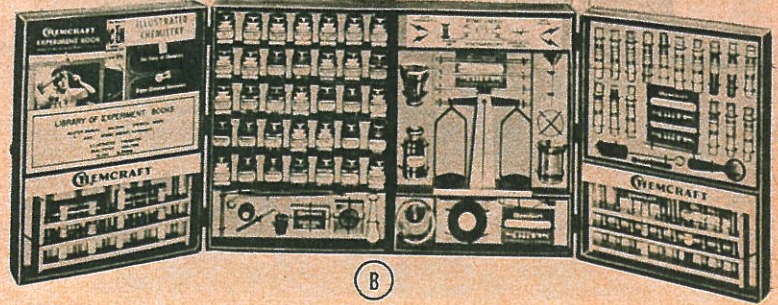
G 2-145 WONDER CAR \$6.50
 A mechanical marvel! This rubber tired 7 1/2" all metal sport convertible has operating features such as hand brake, horn, and shifting lever. The shifting lever located on steering post has positions for reverse, neutral and 3 forward speeds. Speedometer registers various speeds. Car contains 2 spring motors, one for horn, the other for running. Wt. 2 lbs.



4-35 ZIMPHONE Ship. wt. 3 lbs. \$6.00
 Two-way telephone conversations are fun. Each streamlined instrument, 8½" long, fits onto a dial-table-base-cradle. Made of black plastic and has built-in buzzers and electromagnetic phones to assure good performance. With wire extensions, it's possible to operate phones 200 feet apart. 50 feet wire and 2 batteries included.

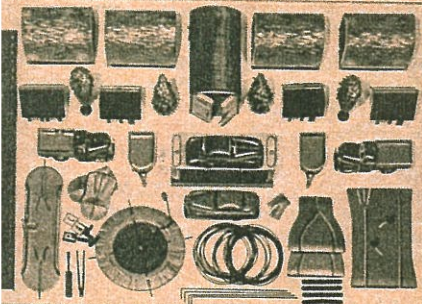
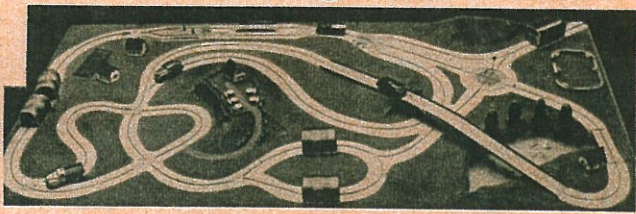
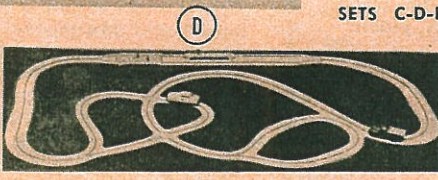
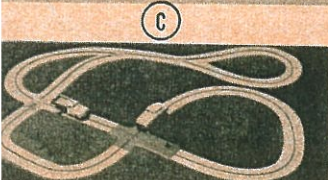


ADVANCED CHEMCRAFT SETS (10 yrs. up)—Presenting series of Atomic Energy experiments, with atomic energy apparatus and material and the Chemcraft Spinhariscope (shows an atom splitting), a real sample of uranium ore, manual "The Store of Atomic Energy". Additional equipment for many interesting experiments, balances, blow chimes, (for use in Glass Blowing) as well as manuals. Contained in wood lab cabinets with metal shelves.



47 Over 500 experiments. 20¼ x 13¾". Wt. 7 lbs. \$7.50
THOUT Atomic Manual, Spinhariscope, Glass Blowing.
48 Over 600 experiments. 31½ x 13¾". Wt. 10 lbs. \$12.50
49 Over 700 experiments. 48 x 13¾". Wt. 15 lbs. \$17.95
216 (Illus.) 878 experiments. 56 x 16" Wt. 22 lbs. Exp. \$29.95

BUILT-UP MODELS OF SETS C-D-E



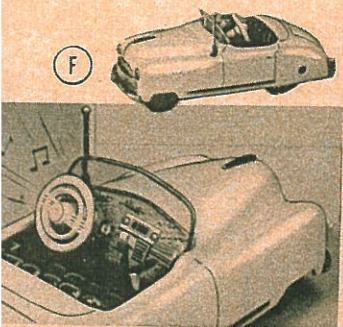
SCHUCO WIRE ROAD TRAFFIC SETS (Imported) These sets offer manifold play possibilities in letting the wind-up cars, equipped with a special device, run along the novel, flexible line of guide wire track regardless of design pattern. Many different layouts can be created according to plans, imagination, and the size set used.

D 2-48 WIRE ROAD TRAFFIC SET. \$12.00 (6 yrs. up)—Equipped with 25' of flexible guide wire track, 2 special wind-up cars, and featuring a stop and go station which stops one car until the second one approaching from opposite direction releases stopped vehicle and they both continue along track in opposite directions. Cross-overs and switches, etc. Ship. wt. 3 lbs.

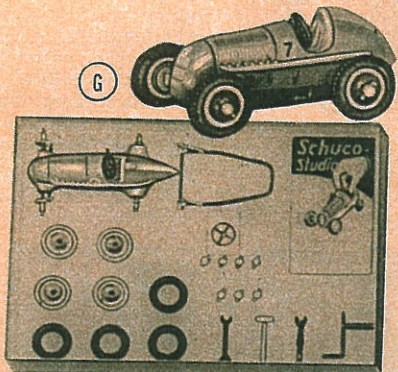
C 2-3 WIRE ROAD TRAFFIC SET. \$7.50 (4 yrs. up)—Consists of 18' of flexible guide wire track, 2 special 4" wind-up cars, 1 starting platform with cross over, 4 switches and an automatic crossing. Ship. wt. 3 lbs.

E 18-8 WIRE ROAD TRAFFIC SET. \$30.00 (8 yrs. up)—Our most elaborate set consisting of about 50' of flexible wire road track, 2 special 4" wind-up trucks with trailers, 2 passenger cars, 4 tunnels, a garage, bridge, stop and go station, switches, crossovers, etc., plus 4 small plastic houses and 4 artificial trees. Ship. wt. 11 lbs.

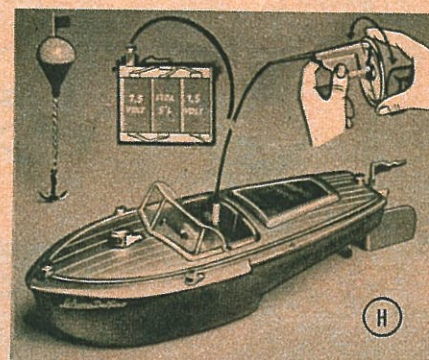
4-20 WIRE ROAD TRAFFIC SET. \$14.00 Operates on same layout as above but has trucks which operate on batteries. Batteries not included. Ship. wt. 3 lbs.
2-304 Set of 4 batteries for above.40



2-394 RADIO MUSIC CAR. \$8.00 (4 yrs. up)—This 6" roadster has rubber tired wheels and is powered by an excellent wind-up motor. It features the "musical radio". Pressing a button of the simulated radio on the dashboard and a concealed Swiss music box plays a clear, melodious tune. For better "reception" raise the telescopic antenna. Wt. 2 lbs.



G 18-130 STUDIO CAR. \$5.00 (4 yrs. up)—A well designed, well built all metal 5½" racing car that goes far and fast on a single winding. Can be wound by crank handle or by friction. Its special features are its interchangeable wheels, detachable tires, steerability, and cut away differential for functional inspection. Tools included. Wt. 2 lbs.



H 18-144 ELECTRIC NAVICO-BOAT Wt. 3 lbs. \$14.95
 With remote control steering features. Its red 9½" plastic hull with removable silver plastic deck contains an electric ball-bearing motor enclosed in water-tight cover. Can be operated by separate battery box with forward and reverse switch or by batteries contained in hull with hand-operated steering wheel on 38" wire remote controlling direction of boat. Batteries and two red and yellow buoys with anchors included.

