

15¢

\$5.50 A YEAR

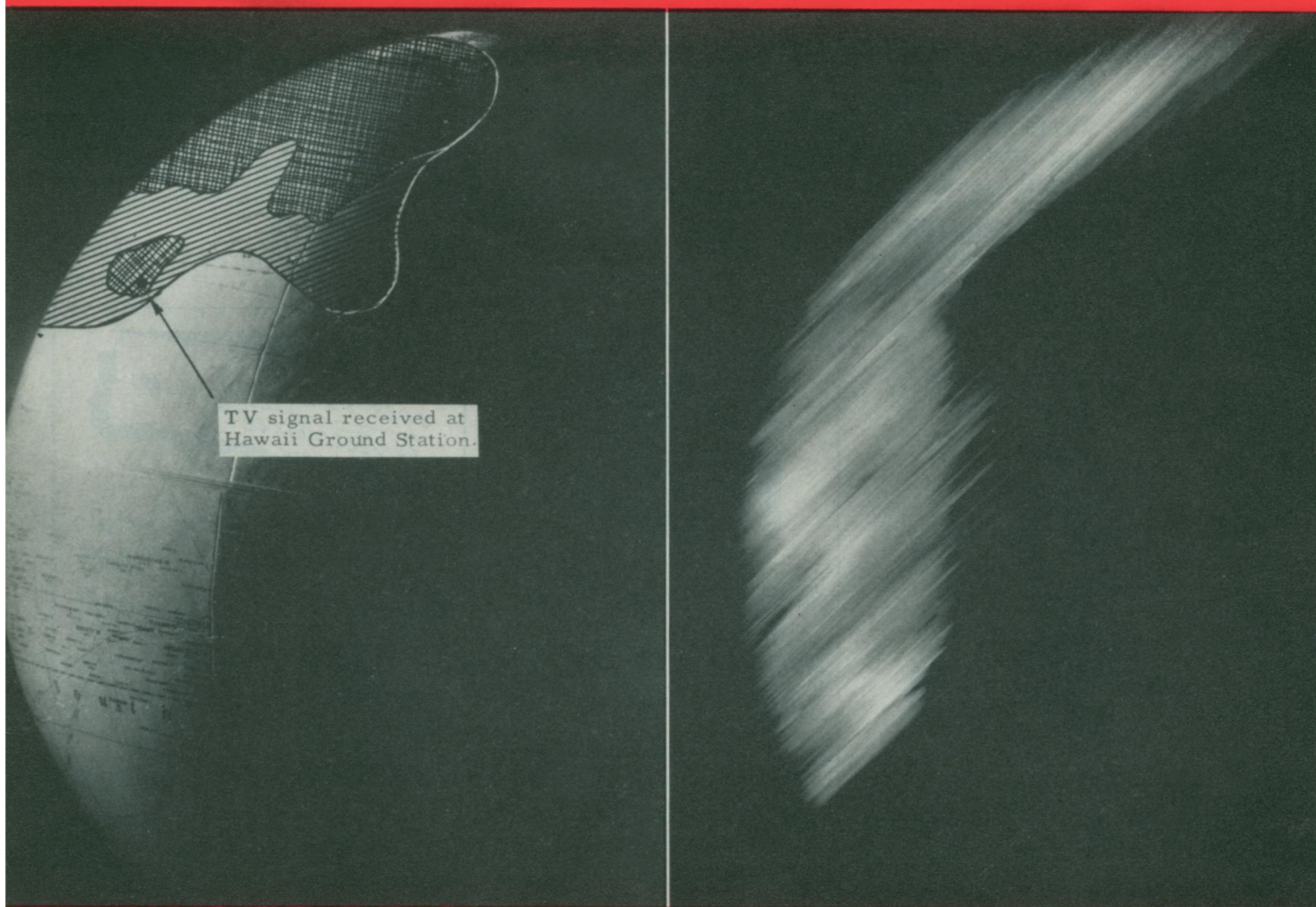
October 10, 1959

VOL. 76 NO. 15 PAGES 225-248

SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



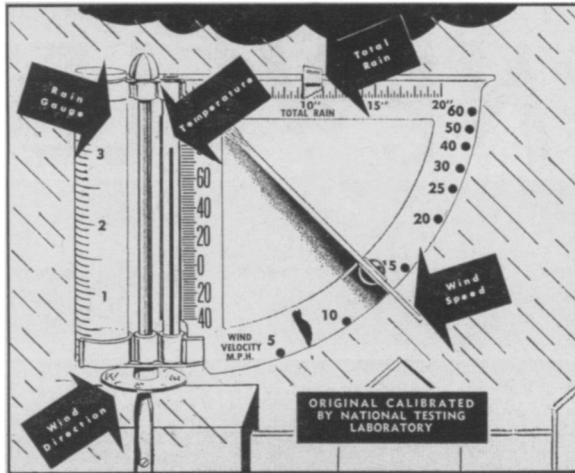
A Long View

See Page 229

A SCIENCE SERVICE PUBLICATION

Portable Weather Station

This all plastic unit tells wind speed, wind direction, temperature, rainfall, and total rain . . . Easily mounted on clothesline, fence, porch, outside window or garage. A complete, pocket-sized weather station . . .



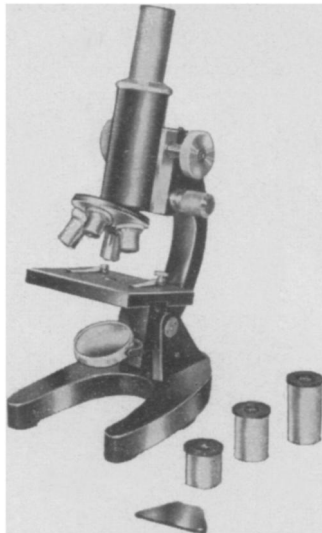
\$4.98

FREE-FALL CATALOG

Write for free new catalog, listing analog computers, dinosauri, fossils, scientific kits and books.

900X "MICROBE HUNTER"

- The only Microscope in its class featuring GRADE A optics!
- Power Range 25X, 50X, 75X, 100X, 150X, 200X, 300X, 400X, 600X, 800X
- Full Range Fine Adjustment
- Safety Stop on Coarse Adjustment

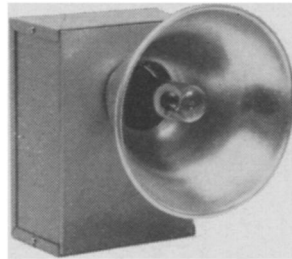


This instrument—made to our rigid design specifications—has wide usage in schools, laboratories and law enforcement agencies. All of the most needed features have been incorporated to meet the requirements for diversified microstudies. Highly recommended for serious hobbyist desiring exceptional quality at modest cost. Power range from 25X to 900X in 12 possible combinations. Gearing rack and pinion coarse focusing. Micro-motion fine focusing of full range—12 complete revolutions. Safety stop prevents over rise. 30mm dual surface (plano/concave) mirror. Fixed square stage, 70mm X 80mm. Rotating 5-hole, disc diaphragm. Three Huygenian eyepieces of 5X, 10X and 15X. Four achromatic objectives of 5X, 10X, 40X and 60X. Oversize base insures stability and protects objectives. Body tilts through 60°—perfectly balanced at any angle. Complete with upright, wooden carrying case.

F-338—List \$69.95 Net \$39.95
(Add \$1.00 for postage and handling)

IT FLASH

FREEZES MOTION!



Exciting experiences in research and photography are possible with the new Geniac® STROBOSCOPE.

Designed to flash a brilliant neon light at precisely controlled speeds from one flash per second to 250 f.p.s. The STROBOSCOPE actually makes motion freeze before your eyes when its flicker frequency equals that of the vibrating object.

Used together with fast film and fast lenses, the Geniac® STROBOSCOPE creates multiple images on one film, and thus is useful in ballistics studies.

Essential for the research lab, photographic amateur, school or serviceman who wants to discover the causes of erratic vibration or to measure frequency accurately. The STROBOSCOPE can also be used in the laboratory through a microscope to observe moving cilia, vacuoles, etc.

Versatile, exciting, low-priced and accurate, the Geniac® STROBOSCOPE is available in kit form and assembled, complete with instructions and experiment manual.

Kit \$19.95
Assembled \$24.95
(Add 80¢ for postage & handling; in New York City, add 3% NYC sales tax)

COSMOTRON

- **MINIATURE ATOM SMASHER**
- **PRODUCES 75,000 VOLTS**
- **ABSOLUTELY SAFE**



In no sense of the word a toy or a gadget. The COSMOTRON is a scientific instrument capable of producing 75,000 volts—makes sparks up to 2" long—yet is absolutely safe because the current is infinitesimal. The science teacher—science lover—or hobbyist can perform experiments to astound students—friends—family. Makes smoke disappear—defy gravity—turns propellers at a distance—transforms atomic energy into light—makes artificial lightning—smashes atoms—demonstrates ionic space ship drive—and many other experiments. Constructed of the finest materials. Will do exactly—for instruction purposes—what generators that cost 3 to 10 times more will do. The perfect device to teach the secrets of atomic physics and electricity. Will hold an audience spellbound as it performs trick after amazing trick. Includes an experiment kit and illustrated experiment manual. Manual explains the "how" and "why." You will invent many new experiments of your own. A fine research tool that will give years of beneficial service to the institution or individual who owns one. In kit form or assembled.

Kit Form \$14.95
Assembled \$19.95

$$\frac{1.008^{3.1} \times \sqrt[3]{63 \times 4000}}{6 \times \sqrt[5]{260000} \times 42^{-1.82}} = 0.2495$$

A 66-inch Slide-rule for your pocket, \$19.95



Slide Rule Open

The GENIAC® Calculator carries 60-inch spiral scales yet measures only ten inches fully extended and six inches when closed. Four to five figure accuracy can be relied on. It is indispensable to the scientist, research worker and student. Administrative staff and business men will find it of tremendous value for a host of estimating and checking calculations.

The GENIAC® Slide Rule solves multiplication, division, percentage calculation and gives 5 place logarithms.

You may use it for 30 days and if you are not satisfied repack and mail it back.

What our users say:

"It does all you claim—four or five figure accuracy without eye-strain or magnifiers. Half an hour's study is ample for its use."

A.E.H.
"I use the GENIAC Calculator for all my slide rule work and need the extra digit which normal slide rules cannot give. I had to get one of my customers a GENIAC Slide Rule last month, after using mine in his office." E. & G. H. Textile Manufacturers.



Slide Rule Closed

OLIVER GARFIELD CO., Inc. DEPT. SL-109-B, 108 East 16th St., New York 3, N. Y.

Please send me the following:

900X "Microbe Hunter" F338 @ \$39.95 (plus \$1.00 for postage)..... WEATHER STATION @ \$4.98 (ppd.).....
STROBOSCOPE: Assembled @ \$24.95 (plus 80c postage)..... Kit \$19.95 (plus 80c postage)..... FREE CATALOG.....
GENIAC Slide Rule @ \$19.95..... COSMOTRON: Assembled @ \$19.95..... Kit Form \$14.95.....

NAME.....
STREET..... CITY..... STATE.....

Just
Published

Written from the perspective of modern theory...

STEROIDS

by **LOUIS F. FIESER**

Sheldon Emery Professor of Organic Chemistry, Harvard University

and **MARY FIESER**

Research Fellow in Chemistry, Harvard University

THIS BOOK replaces the well respected *Natural Products Related to Phenanthrene*, 3rd edition (1949). It is a completely revised account of the whole expansive field written from the perspective of modern theory. Organization of the material of each chapter into a series of related topics unifies the discussion of the early history and the ensuing developments.

THE AUTHORS have achieved a condensation and clarification of a voluminous and intricate literature that will both satisfy the expert and appeal to the student. Their personalization of the steroid story produces a vitality rare in a scientific monograph. The book is eminently readable.

THE COVERAGE is to about February-March, 1959. Thanks to the courtesy of authors in supplying advance copies of papers in press, some still more recent literature is reviewed.

THE COOPERATION of a number of steroid chemists in reviewing copies of the manuscript has contributed greatly to correction and improvement of the book in advance of publication.

CHAPTER TITLES

- | | |
|---|--------------------------------|
| 1 Orienting Survey | 11 Sterols |
| 2 Investigation of Cholesterol | 12 Methylsterols |
| 3 Structures of the Bile Acids and of Cholesterol | 13 Biosynthesis of Cholesterol |
| 4 Vitamin D | 14 Bile Acids and Alcohols |
| 5 Physical Methods of Characterization | 15 Estrogens |
| 6 Oxidation | 16 Androgens |
| 7 Enes and Ols | 17 Progestogens |
| 8 Ketones | 18 Homo and Nor Steroids |
| 9 Displacements and Rearrangements | 19 Adrenocortical Hormones |
| 10 Stereochemical Correlations and Conventions | 20 Cardiac-Active Principles |
| | 21 Sapogenins |
| | 22 Alkaloids |

Examine It Free for 10 Days MAIL THIS COUPON TODAY

REINHOLD PUBLISHING CORPORATION
DEPT. M-561, 430 Park Avenue, New York 22, N. Y.

Send me a copy of STEROIDS for 10 days' Free Examination.

Total purchase price enclosed.

Bill me.

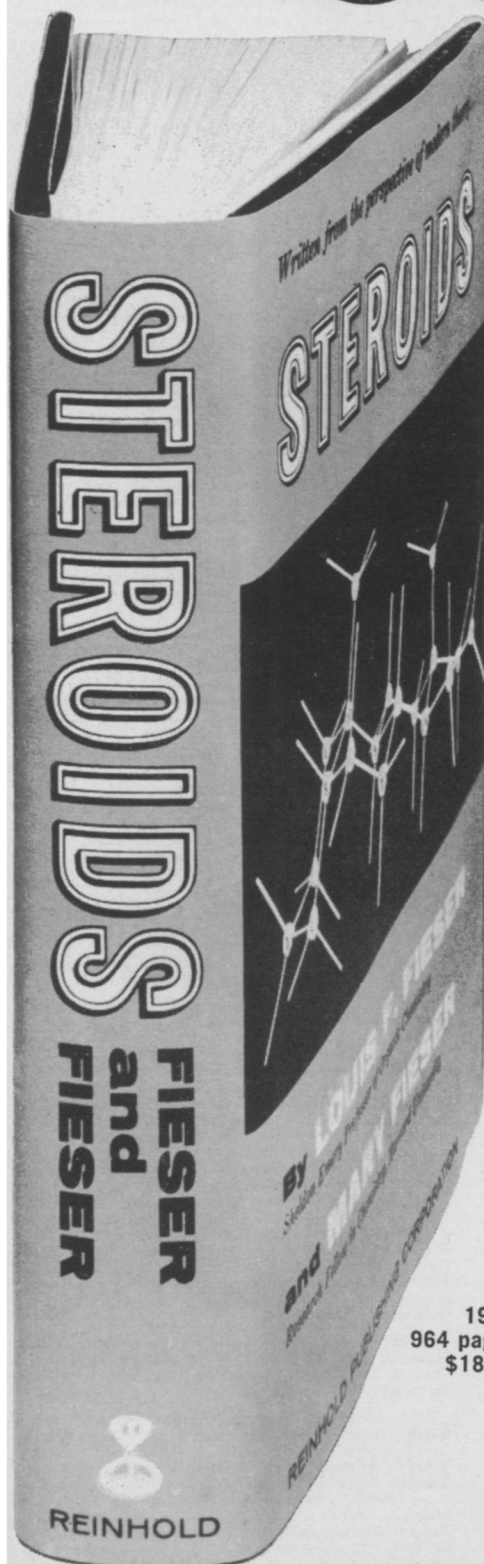
Bill company.

NAME _____

ADDRESS _____

CITY & ZONE _____ STATE _____

SAVE MONEY! Enclose \$18.00 with order and Reinhold pays all shipping costs. Same return privilege. Please add 3% sales tax on N. Y. C. orders. DO NOT ENCLOSE CASH!

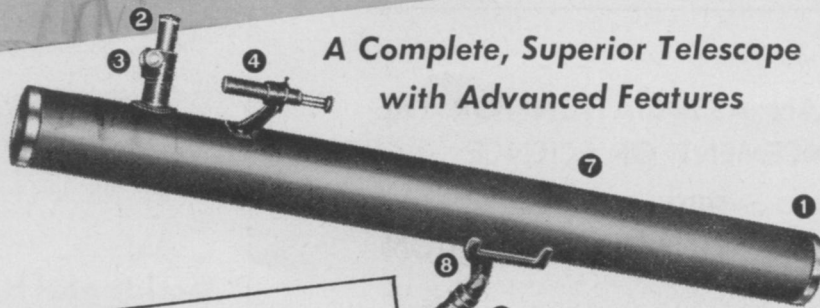


1959
964 pages
\$18.00

Why the 4-inch DYNASCOPE Reflector

Reg. U.S. Pat. Off.

is now used and approved by over 40 colleges and professional institutions



A Complete, Superior Telescope with Advanced Features

Compare These Advances:

- 1) 4-INCH PARABOLIC PYREX MIRROR — aluminized and overlaid with zircon quartz for maximum life!
- 2) 3 ACHROMATIC EYEPIECES — 18-mm. Huygens, 9-mm. Ramsden, 7-mm. Ramsden—providing 65X, 130X and 167X!
- 3) RACK & PINION focusing!
- 4) 4-POWER Achromatic FINDER SCOPE With Cross Hairs
- 5) NEW IMPROVED MOUNT—fine equatorial with free moving polar axis, Adjustable for Altazimuth, too.
- 6) SIMPLE LATITUDE ADJUSTMENT—making your instrument usable anywhere in the world.
- 7) ALL-BAKELITE TUBE, brass-trimmed!
- 8) CLAMPS ON BOTH AXES—adjust instantly and permit smooth setting of either axis.
- 9) 33" hardwood folding TRIPOD!

A SCIENTIFIC INSTRUMENT OF HIGH CALIBER AT LOW COST!

There's an excellent reason why the 4-inch DYNASCOPE Reflector is now the instrument used, approved and recommended by more and more schools, colleges, planetariums and professional astronomers. It is the remarkable scientific and engineering balance built into this complete telescope — at an incredibly low price! If you were to purchase the parts and assemble them yourself, you would spend much more than the unheard of low price of this precision instrument. And in building your own telescope you could never hope to attain the accuracy and co-ordination of parts that have been engineered into the Dynascope.

The 4-inch parabolic mirror produces exquisite definition of all the bright planets and is fully capable of splitting close double stars. (Note: the 4-inch mirror gathers $\frac{1}{3}$ more light than a $3\frac{1}{2}$ -inch mirror!) Finished to exacting specifications and guaranteed to perform to the Dawes' limit of resolution for its size! A 4-inch parabolic mirror of such quality has only been obtainable in the highest-priced instruments up to now!

Manufactured and Sold Only By
The Criterion Manufacturing Co.
Manufacturers of Quality Optical Instruments

Dept. SND-48, 331 Church St., Hartford 1, Connecticut.
Telephone: Chapel 7-1696 • Cable Address: CRICO

PROOF OF SUPERIORITY

(On Request — we will send a list of noted institutions now using the 4" DYNASCOPE)

TESTIMONIALS:

From An Observer

On clear "good-seeing" nights my Dynascope easily reveals the Alpine Valley and the Straight Wall on the Moon, as well as three peaks in the floor of the Plato ring plain. It will split the star Mizar into its major components clearly. It will separate Saturn's rings and show six bands on the face of Jupiter. Also it will project a two-foot diameter disk of the sun showing sunspots in vivid detail . . . as an Englishman might express it, "Dynascope optics are a little bit of all right."
—VICTOR W. KILLICK, in charge of Astronomical Observatory, Sacramento Junior College, Calif.

Many Years of Experience

. . . I have had many years of experience in astronomy, and as junior leader here in Atlanta I always recommend Dynascope.
—LEONARD B. ABBEY, Jr., Decatur, Ga.

Cannot Be Equaled

I still don't see how you can produce a parabolic mirror of this focal ratio at the price . . . Epsilon Lyra was quite easy . . . on the 130 power ocular. I was more than pleased when it resolved this double double as four tiny, sharp, brilliant gems . . . with the diffraction rings concentric and sharp.

. . . For the price you ask, I do not believe that it can be equaled in any way. The oculars are excellent, and the entire instrument shows careful workmanship. How you do it is beyond me. —G. N. JOHNSTONE, Albuquerque, N.M.

FOR ONLY
\$49⁹⁵

F.O.B. Hartford, Conn.
Shipping Weight 16 lbs.
Express Charges Collect



\$79.95

F.O.B.
HARTFORD,
CONN.

Criterion Manufacturing Company

Dept. SND-48, 331 Church St., Hartford 1, Conn.

- Enclosed find payment of \$49.95. Please ship me promptly, subject to your money back guarantee, 4-inch DYNASCOPE Telescope with 9 advanced features.
- Enclosed find payment of \$79.95. Send me at once subject to money back guarantee 4" model K-A Electric Dynascope with all its new features.
- Send me FREE Illustrated Literature on the NEW 6", 8", 10", 12", 16" Custom-Made DYNASCOPE Telescopes.

Name.....

Address.....

City..... State.....

Select Gift Items at Real MONEY SAVING PRICES!

A PROUD POSSESSION FOR A LIMITED FEW!

Ancient Roman Silver Coin CUFF LINKS

Authenticated to be 1500-2000 Years Old

For the select few on your gift list who appreciate originals . . . give them these fabulous Ancient Roman Silver Cuff Links. Each pair carries the portraits of famed Roman Emperors or Empresses . . . specially finished so that the portraits are highlighted and the backgrounds have an oxidized finish . . . each pair carefully matched and mounted on sterling silver cuff link backs. Each set in flannel drawstring pouch together with a description of the coins.



\$10.95

ppd. (6 pairs for \$60)

"Decorate with History!" Centuries-Old, English Hand Penned PARCHMENT DOCUMENTS



\$9.95

(3 for \$27)

Authentic old scrolls and documents of real sheepskin parchment, dated from the 1600's to the early 1800's. Some with elaborate initials, others with fine steel engraved ornaments. Many have red wax seals on one side of fold, others carry early revenue stamps. They're leases, deeds, mortgages, wills and marriage contracts. All are in old-fashioned English . . . plainly legible. Dimensions approximately 18x24" to 25x33". For framing accessories and baskets for display under glass table tops. Especially suited for lamp shades.

The Sportsman Binocular FLASK!

Holds 2 Half-Pints of Your Favorite Beverage

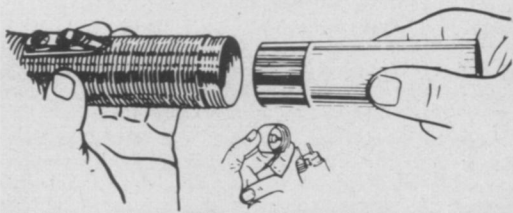


\$3.50

ppd.

(6 for \$19.50)

Looking like a pair of 7 x 50 binoculars, The Sportsman is actually a double-barreled flask, each designed to hold a full half-pint of Scotch, Rye, Bourbon, Gin, etc. At football or baseball games, at the races or traveling, friends are sure to ask to use your "binoculars." Molded of break-resistant Polystyrene free from any taste or odor and will not taint or discolor any liquid. Screw-on, leak-proof caps. Complete with adjustable strap. Gift boxed.



Designed for Jet Aircraft & Missiles—
NOW, for the First Time Anywhere—Available to YOU!

famous SONOTONE Rechargeable FLASHLIGHT BATTERY

Forget about buying flashlight batteries . . . almost forever! This revolutionary new cartridge slips into any standard flashlight using two "D" size batteries end-to-end . . . carries its own RECHARGEABLE AC outlet overnight to fully recharge. The secret lies in the miniature sealed adaptations of the sintered-plate, nickel-cadmium vented batteries now used in missiles and jet aircraft. Leakproof—shockproof—will outlast hundreds and hundreds of ordinary batteries.

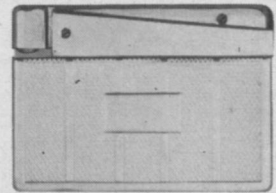
\$7.95
ppd.

The Amazing "Classic" Design TANK CIGARETTE LIGHTER with Patented Fuel Injection!

- Holds 6 Months' Fuel Supply
- No Cotton in Chamber
- No Wick
- No Leaky Chamber
- Fire Proof Burner
- Foolproof Operation
- Chrome Nickel Finish

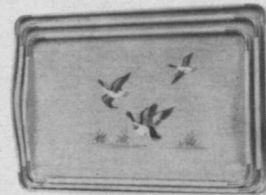
Imagine—a scintillating, jewel-like classic design lighter with absolutely nothing to go wrong! Like a well made car, fuel carried in the tank is inducted into the carburetor before it is ignited. Utilizes ANY ignitable fuel from cheap benzine to even your favorite brandy! Lifetime Burner consists of a central metal stem with glass fibres grouped around it. A really unique, fascinating and practical gift.

\$7.95
ppd.
(6 for \$45)



Matched Trio of Hand Painted OAK SERVING TRAYS

No illustration can adequately depict the glowing colors of the "mallards in flight" scene hand painted against natural color beautifully grained, lined genuine oak. Here's a perfect example of the unique art of the orient combined with practicality. The 3 trays are specially treated to be alcohol and stain resistant, each nesting in the other for easy storage. Sides are 3/4" high with tapered ends forming handy-carry grips. Corners are highly polished chrome. Largest tray is 19 1/2" x 14"—smallest is 17" x 11 1/4". Trays sure to bring "Ohs and Ahs" from gathered guest when used to serve canapes, cocktails and like tid-bits.



Nest of 3 trays
\$9.95
ppd.
6 complete sets
\$56.70



Completely hand made! TEAKWOOD and BRASS ICE BUCKET with Tongs and 3 TEAKWOOD BOWLS

A man's ice bucket, made of heavy teakwood with shiny brass handle, bands and trim. You know that teak is one of the hardest, toughest woods known . . . traditionally used to build and furnish ships and yachts. The beautifully grained, heavy wood is set off by well-made brass brightwork—a design that conveys an atmosphere of sportsmanship and quality. Teakwood lid has brass handle. Fully glass wool insulated cover and bucket with aluminum liner—sanitary and easy to clean. Holds 2 quarts. Complete with handsome teak-and-brass ice tongs and 3 teakwood snack bowls, for chips, pretzels and nuts, that nest in one another and store inside bucket. A gift of rare good taste!

\$12.95
ppd.

Makes an ideal gift for business friends! Priced at \$11.90 for 12 . . . \$10.50 for 100.

An Exotic Offering From The Orient "LIVE" BUTTERFLY & BAMBOO COASTER SET

A symphony of natural beauty and oriental craftsmanship. Decorative Holder and 6 Coasters completely hand-made of select pieces of highly polished genuine bamboo. Base of each coaster contains a richly hued, attractive "live" butterfly perfectly laminated between two pieces of glass. Roughest usage, in water or out, will not harm the gorgeous "live" butterflies.



Complete Set

\$5.95

(6 Sets \$32.70)

Extra Large, Sensitive Remington Cast Aluminum WEATHER VANE



(Any 6—
\$56.88 Ppd.)

Adds a distinctive note of beauty to every home. Precision engineered from strong cast, non-rusting aluminum. Has full 21" classic arrow with your choice of three dimensional ornaments. Wind direction indicators N-E-S-W are all three-dimensional. Exclusive Universal Mount provides for sturdy permanent attachment of vane to any shape roof in a jiffy. All vanes finished in gleaming black. Height of vanes vary from 27 3/4" to 30". When ordering, specify ornament desired () Cock o' the Walk. () Prancing Horse. () Flying Goose. () Coach and Four. () Pointing Dog.

\$9.98

Now—An Umbrella You Can Carry In Your Brief Case

"THE RAINMAN"

MEN'S FOLDING UMBRELLA

Folds down to 15"—compact enough to fit into the average briefcase. Opens up with a "snap" into a full, man-sized 22" diameter umbrella with 10 sturdy, flexible ribs—nickel plated for rust resistance and long life. Black acetate material guaranteed not to fade or shrink; lifetime plastic handle with matching carrying case.

\$6.95
ppd.

"Reign Princess" LADIES FOLDING UMBRELLA

13 3/4" closed—opens to 18 1/2" diameter. 10 nickel plated ribs. In red rayon with red lifetime plastic handle and matching carrying case.

\$4.95
ppd.

MATCHING SET

MAN'S BLACK, WOMAN'S RED. BOTH—\$10.50

IMPORTANT: Send check or money order. If COD, fees extra. Money Back Guarantee.

SCOTT-MITCHELL HOUSE, INC. Dept. CP-1010,
415 S. Broadway, Yonkers, N. Y.



The **AMERICAN BASIC SCIENCE CLUB** offers this

Exciting New Hobby for Everyone

Low Cost **SCIENCE LABORATORY**
Over 100 Fascinating Projects with



**COMPLETE LABORATORY COMES IN 8 KITS . . . ONE A MONTH
SUPPLIES ALL THE EQUIPMENT FOR ALL THE FOLLOWING:**

ELECTRICAL EXPERIMENTS

Educational fun with Electro-Magnets, Transformer, Galvanometer, Rheostat, Relay, Voltmeter, Wheatstone Bridge, and other electric equipment.

RADIO RECEIVER

A sensitive three tube Regenerative Radio that has its own DC power supply. Plugs into regular 115 volt AC outlet. Complete with Head Set.

SPECTROSCOPE

Fascinating optical instrument used to identify and analyze substances by observing the spectrum of their flame. Spectrum charts are included.

PHOTOELECTRIC EYE

Photoelectric Cell, Exciter lamp — and Electronic Relay. Everything you need to control motors, bells, alarms, and do other light beam experiments.

MICROPHONE

A sensitive carbon-button microphone that greatly amplifies unsuspected noise. Also adaptable for use with your radio transmitter.

ELECTRONIC EXPERIMENTS

Explore functions of vacuum tubes and other electronic components. Build an Electronic Switch—Amplifier, and other experimental circuits.

CODE PRACTICE SET

Signal Oscillator, Key and Flasher . . . the complete outfit to learn to receive and transmit the Morse Code . . . the first step to a Ham License.

STROBE LIGHT

A variable pulse neon light. "Freezes" motion of rapidly vibrating or rotating objects for close study and checking frequencies, RPM.

BROADCAST TRANSMITTER

Sends clear transmissions of both code and voice to nearby radios. Can be used with your microphone, record player, or code oscillator.

RADIO SERVICE EQUIPMENT

All the parts to build your own Radio Signal Tracer and a Probe Light Continuity Tester. Both pieces are invaluable in radio servicing.

SOUND EXPERIMENTS

Laboratory demonstration of sound waves, resonance and pitch. Includes Variable Frequency Oscillator, Sonometer and Loud Speaker.

TELESCOPE

A mounted astronomical Telescope. High quality ground lens enables you to examine details of the moon's surface and distant objects.

PHOTOGRAPHY LAB

Complete dark room equipment: Printer—Enlarger—Electronic Timer — Safe Light — Developing Trays and supply of paper and chemicals.

SLIDE PROJECTOR

Takes 16mm and 35mm slides, sharp focusing, convection cooled. G.E. Projection Lamp included. Also adaptable as a Projection Microscope.

MICROSCOPE

High and low power, precision ground lens, Substage Light and Polarizer. Adaptable for photomicrography in connection with Photo Lab.

ATOMIC RADIATION EXPM.

Check radioactivity of ores and do radiation experiments with sensitive Electroscopes. Sample radioactive sources of Radium, Uranium included.

SPINTHARISCOPE

Gives you a blown up ringside view of the brilliant explosions of disintegrating radium atoms ejecting alpha particles at 11,000 miles per second.

ATOMIC CLOUD CHAMBER

See illuminated tracks of speeding nuclear particles emanating from radioactive Alpha source and mysterious cosmic rays from outer space.

ULTRAVIOLET LAMP

Produce dazzling color effects with invisible "black light". Used extensively for crime detection, mineralogy and science and industrial research. Fluorescent Tracer Chemical included.

HEAT EXPERIMENTS

Study the Molecular Theory of heat using 2 Thermometers, Thermostat, 3 foot Gas Thermometer and special Microscope arrangement that shows the effect of Molecular Movement.

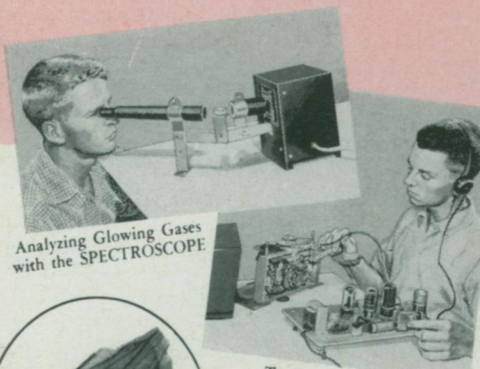
WEATHER STATION

Aneroid Barometer, Cup Anemometer that electronically measures wind speed. Sling Psychrometer, Humidity Gauge, Cloud Speed Indicator, Cloud Chart and Weather Map.

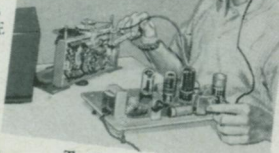
These kits were developed with famous **SOUTHWEST RESEARCH INSTITUTE** and are a **TRUE BASIC SCIENCE COURSE**

- The 8 instruction manuals are expertly written, clearly illustrated — exciting, interesting.
- **WITHOUT PREVIOUS EXPERIENCE** you can complete every project and gain a valuable, comprehensive science background.

EASY - FUN - EDUCATIONAL



Analyzing Glowing Gases with the **SPECTROSCOPE**



Trouble Shooting with the **SIGNAL TRACER**



PHOTOMICROGRAPH of a Fly's Wing made with Microscope and Photo Lab (Actual Size 5" diameter)

These 8 Kits Make Up a Valuable, Versatile Science Laboratory Containing Standard Parts by:
SYLVANIA, MALLORY, G. E., PYRAMID, STACKPOLE, TRIM AND OTHER RELIABLE MANUFACTURERS
Retail value of parts alone is over **FIFTY DOLLARS**

MEMBERS ARE ENTHUSIASTIC!

Designing and offering this complete laboratory to the public at such a low price is a notable service to our society.

Please accept my congratulations on the thoughtful study that must have gone into the planning of your Science Series.

W. B. Axtell, President
W. Va. Institute of Technology
Montgomery, W. Virginia

R. M. Helm
Professor of Physics
East Carolina College
Greenville, N. C.

FOR SAFETY!

Circuits are low voltage supplied by isolation transformer that comes with first kit.



FREE! These 6 Auxiliary Textbooks

ALL THE EQUIPMENT FOR ALL THE ABOVE—only \$29⁶⁰

SEND **\$2.00** WITH ONLY **COUPON**

PAY **\$3.45** FOR EACH KIT YOU RECEIVE (ONE A MONTH FOR 8 MONTHS)

FREE SOLDERING IRON with second Kit

Your Satisfaction or Your Money Back... AND you may cancel at any time without obligation.

These "no risk" assurances because we know you will be...

SURPRISED! AMAZED! DELIGHTED!

AMERICAN BASIC SCIENCE CLUB, Inc.
501 East Crockett, San Antonio 6, Texas

Start sending me A.B.S.C.'s "Home Science Lab" in eight kits, one each month. If not satisfied on inspection of first kit I may return it for immediate refund. (I choose plan checked.)

() I enclose \$2.00 and will pay \$3.45 plus COD postage on arrival of each kit. I may cancel unshipped kits at any time.

() I enclose \$29.60 as full payment. *Postage Paid.* for all 8 kits. I may cancel any time and get full refund on unshipped kits.

NAME.....

STREET.....

CITY.....

STATE.....

MAIL COUPON TODAY

AMERICAN BASIC SCIENCE CLUB, Inc. San Antonio, Texas