

THE AMERICAN BASIC SCIENCE CLUB



A Science Course Designed with the FUTURE in Mind...

Low Cost SCIENCE LAB

Now over 110 fascinating projects with

SOUND ELECTRICITY HEAT ELECTRONICS LIGHT ATOMIC ENERGY

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

Three Tube Short Wave (80 Meter) and Standard Broadcast Receiver. Sensitive Regenerative Circuit uses regular 115 volt AC. Complete with Head Set.

DC POWER SUPPLY

Power Transformer, Vacuum Tube Rectifier and 20-20 mfd. Capacitor Filter Circuit. Converts home AC to the DC required for Electronic Circuits.

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 lamp. "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 Ripple Tank.

TELESCOPE

A mounted astronomical Telescope. High quality ground Lenses enable 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 Lenses, Substage Light and Polarizer. Adaptable for photomicrography in connection with Photo Lab.

SPECTROSCOPE

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

ATOMIC RADIATION EXPM.

A variety of projects using Spinthariscopes and sensitive Electroscopes. Radioactive sources included are Uranium Ore and Radium.

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. Fluorescent Ink, Crayon and Tracer Powder are 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**

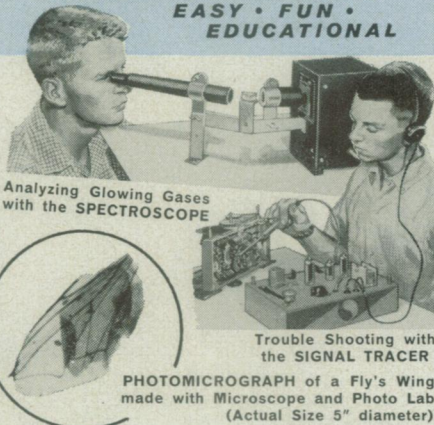


SwRI ADMINISTRATION BUILDING

and are a **REAL SCIENCE COURSE**

The 8 manuals are expertly written, clearly illustrated, excitingly different.

NO EXPERIENCE NECESSARY
You can complete every project and **GAIN A VALUABLE SCIENCE BACKGROUND** that will **ENRICH YOUR LIFE** and could **SHAPE YOUR FUTURE!**
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)

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

SEND ONLY **\$2⁰⁰**

PAY ONLY **\$3⁴⁵** WITH COUPON

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!

A VALUABLE SCIENCE LAB

Containing Parts by **RCA, MALLORY, G.E., PYRAMID, STACKPOLE, TRIM** and other reliable manufacturers.

Retail value of parts alone is over **FIFTY DOLLARS.**

FOR SAFETY!

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

MEMBERS ARE ENTHUSIASTIC!

Congratulations on the organization of these kits. They are the best investment I've made in a long time.

James A. Carlson
137 Marose Drive
Pittsburgh, Pa.

Designing and offering this complete laboratory to the public at such a low price is a notable service to our society.
R. M. Helms, Professor of Physics
East Carolina College, Greenville, N. C.



FREE! These 6 Auxiliary Textbooks

AMERICAN BASIC SCIENCE CLUB, Inc., San Antonio, Texas

AMERICAN BASIC SCIENCE CLUB DEPT. SN-11
501 E. Crockett, San Antonio 6, Texas

Start sending me A.B.S.C.'s "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 the 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, full payment, Postage Paid, for all 8 kits. I may cancel any time and get full refund on unshipped kits.

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