

AMERICA'S GREATEST VALUES IN SCIENCE LABS AND COURSES!

Now! Space Age Science for Everyone AMAZING KIT-A-MONTH CLUB You get ALL the following in nine monthly kits!

A CLUB FOR EVERYONE

No experience necessary. Everyone can enjoy the easy-to-use equipment and exciting learn-by-doing projects. ABCS Club members are of all ages and backgrounds - from professional engineers to young teenagers.

ENRICH YOUR LIFE

Leisure hours will have more meaning. You will acquire a broad science background and new interests that you will enjoy for the rest of your life.

FUN FOR THE WHOLE FAMILY
This program offers such a variety of activities that every member of the family can find a field of interest. In many homes, working with the kits is a family affair enjoyed by all.

INVALUABLE FOR STUDENTS
Makes school science fascinating and easy. Gives students a real head start. The kits are a valuable source of ideas and equipment for school projects.

NO SPECIAL TOOLS REQUIRED
All you need are a screwdriver and pliers. You get an electric soldering iron FREE with your second kit.

DEVELOPED BY TOP SCIENTISTS
The ABCS Club program is a real science course developed with world famous Southwest Research Institute—a non-profit public service organization, nationally recognized as the center of scientific research in the Southwest.

EQUIPMENT IS GOOD QUALITY
These kits are not toys. They consist of standard components by Centralab, General Electric, Strobeline, Leviton, Precision Tube, Cinch-Jones, Mallory, Lancaster Lens, General Instrument, Trim, RCA, Stackpole, Eastman Kodak and other reliable manufacturers.

MONTHLY CLUB BULLETIN
The \$1 membership fee covers a year's subscription to the ABCS Club Bulletin which carries news of interest to members, plus ideas submitted by members for additional projects with the kits.

MEMBERS ARE ENTHUSIASTIC
Over 50,000 members have successfully used and enjoyed these kits. All the projects are proven and practical.

"Every kit is very complete in explanation, illustrations, materials, hardware and extras. This is what I like."
F. Batorick, Manhall, Pa.

"I have enjoyed every kit. I wish I could give them to all my students."
Allen T. Ayers, Physics Dept., Jamestown High School, Jamestown, New York.

"I am continually impressed with how well the kits are planned. Congratulations on your good work."

Geo. D. Snell, Senior Staff Scientist, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine.

"I have immensely enjoyed every minute with the kits, and eagerly await the postman every month."
Fred Carter, Sanford, Florida.

"When I started your program I knew little about any of the topics that you presented. I now am repairing radios and photography is my main hobby."
Bruce Russell, Denver, Colo.

"It is incredible that we can obtain so much material for such a price. The manuals alone are of great value."

Sister M. Maris, PHJC, St. Augustine High School, Chicago, Illinois.

"I am an electronics student in the Air Force. We have not covered anything in school that your kits have not covered."
John G. Dill, Keesler Air Force Base, Biloxi, Miss.

"I have been working with the kits with my wife... because it's more fun. Your program is great."
Paul Snyder, Air Travel Service, Detroit City Airport.

"Hard-to-get equipment at a great price. Thanks to your kits I am enjoying new fields of science."
J. Allemong, White Springs, Illinois.

ELECTRICAL LAB

All the equipment for basic electrical experiments with Wheatstone Bridge (measures resistance), Magnetizer and De-magnetizer, Thermocouple, Mystery Shock Box, Continuity Tester, Extinction Voltmeter, Solenoid Coin Toss, Electromagnetic Relay, Neon Lamp, Galvanometer, Induction Coil, Resistors, Chemicals and Electrodes for Plating and Electrolysis. FOR SAFETY a step-down isolation Transformer provides required current.



RADIO LAB AND COURSE

YOU BUILD A SHORTWAVE AND BROADCAST RADIO. 3-tube regenerative circuit. Uses 115V AC. CARBON MICROPHONE with AUDIO AMPLIFIER, RADIO TRANSMITTER for code or voice, RIFLE TANK WAVE GENERATOR with variable frequency. Invaluable in the understanding of wave theory. CODE PRACTICE OSCILLATOR with manual. "Steps to a Ham License." All you need to pass the FCC Ham License Exam.



STROBE LIGHT

A Neon Lamp that flashes at intervals you can synchronize with the speed of rotating or vibrating objects in order to "freeze" their motion to permit close study and checking frequencies and RPM. Flashes are timed by a variable frequency oscillator with a range of 20 to 600 cycles per second.



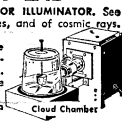
RADIO SERVICING TOOLS

SIGNAL TRACER. A valuable trouble shooting tool which permits you to "listen in" as you probe through a faulty circuit until you find the trouble spot. CONTINUITY TESTER. Pinpoints open circuits and test voltages. The use of both pieces fully described in accompanying manual. "Simplified Radio and TV Servicing."



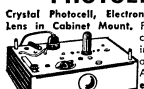
ATOMIC ENERGY LAB

ATOMIC CLOUD CHAMBER WITH PROJECTOR ILLUMINATOR. See the vapor trails of alpha and beta particles, and of cosmic rays. SPINTHARISCOPES. Shows exploding atoms. ELECTROSCOPE—metal housed with Scale and Magnifying Viewer. Measures background radiation and tests sample sources. SAFE RADIOACTIVE MATERIALS. Alpha Source in handy container and Uranium Ore. Full instructions and explanations open up the fascinating field of nuclear physics.



PHOTOELECTRIC RELAY

Crystal PhotoCell, Electronic Amplifier, Relay, large Condensing Lens in Cabinet Mount. Features automatic on-off or holding circuit operation. Sensitivity Control. Plug-in. Outlet for controlled circuit. Use for alarms, counters, etc. Operates on 115V AC. A basic unit for many exciting experiments.



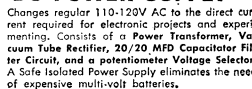
ANALOG COMPUTER

Electronic Computer multiplies, divides, calculates powers, roots. Set up the problem on the scales of two potentiometers and find the answer on the scale of third potentiometer as indicated by a sensitive meter. Instruction Manual covers computer theory and practical use. Over 150 sample problems and answers demonstrate use with fractions, trigonometry, logarithms, physics formulas, ballistics, etc.



DC POWER SUPPLY

Changes regular 110-120V AC to the direct current required for electronic projects and experiments. Consists of a Power Transformer, Vacuum Tube Rectifier, 20/20 MFD Capacitor Filter Circuit, and a potentiometer Voltage Selector. A Safe Isolated Power Supply eliminates the need of expensive multi-volt batteries.



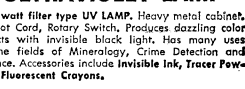
SPECTROSCOPE

Analyze spectra of glowing gases. See and identify the Fraunhofer Lines. A quality instrument featuring an easy-to-read built-in scale and a powerful condensing system for a bright spectrum. Equipment includes Alcohol Burner and a 2 Watt Neon Spectral Lamp. Full instructions cover theory and use.



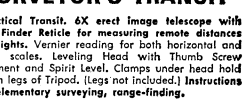
ULTRAVIOLET LAMP

140 watt filter type UV LAMP. Heavy metal cabinet, 6 Foot Cord, Rotary Switch. Produces dazzling color effects with invisible black light. Has many uses in the fields of Mineralogy, Crime Detection and Science. Accessories include Invisible Ink, Tracer Powder, Fluorescent Crayons.



SURVEYOR'S TRANSIT

A practical Transit. 6X erect image telescope with Range Finder. Range Finder for measuring remote distances and heights. Vernier reading for both horizontal and vertical scales. Leveling Head with Thumb Screw Adjustment and Spirit Level. Clamps under head hold wooden legs of Tripod. (Legs not included.) Instructions cover elementary surveying, range-finding.



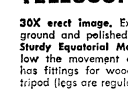
LIGHT AND OPTICS LAB

Exciting optical projects for the study of light. Equipment includes: five Precision Lenses, Prism, Polarizing Filters, Diffraction Grating, Mirror, Telescoping Tubing, Lens Mounts, Tube Holders and Brackets. All the parts and instructions to build a Camera Obscura, Camera Lucida, Polariscope, and many other optical devices.



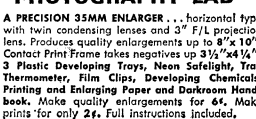
PHOTOMICROGRAPHY CAMERA

Photographs subjects mounted on microscope slides. Enlarges up to 100X. Takes clear, sharp pictures of specimens too small to be seen with the naked eye. A fully self-contained unit—no microscope required. Uses standard roll film, either 120 or 350, black and white or color. Make a photographic record of your projects with microscopic subjects.



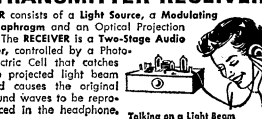
PHOTOGRAPHY LAB

A PRECISION 35MM ENLARGER... horizontal type with twin condensing lenses and 3" F/11 projection lens. Produces quality enlargements up to 8"x10". Contact Print Frame takes negatives up to 3 1/2"x4 1/4". 3 Plastic Developing Trays, Neon Safelight, Tray Thermometer, Film Clips, Developing Chemicals, Printing and Enlarging Paper and Darkroom Handbooks. Make quality enlargements for 6¢. Make prints for only 2¢. Full instructions included.



LIGHT TRANSMITTER-RECEIVER

THE TRANSMITTER consists of a Light Source, a Modulating Reflector Diaphragm and an Optical Projection System. THE RECEIVER is a Two-Stage Audio Amplifier, controlled by a Photoelectric Cell that catches the projected light beam and causes the original sound waves to be reproduced in the headphone.



WEATHER STATION

A REMOTE READING ANEMOMETER AND WIND VANE... Flashing Neon Lights on indoor indicator board show wind speed and direction. Operates on less than 1 cent per month. Safety Power Cord makes all connections safe. 100 ft. of Lead-in Wire. Plus—Air Tank Barometer with 4 ft. indicator column. Sling Psychrometer measures relative humidity. Rain Gauge measures rainfall to 1/100 inch. Also Cloud Chart, Weather Map and Forecasting Manual—a complete set-up for amateur meteorology.



You get ALL the equipment for ALL the above in nine monthly kits

SEND **\$1.00** TO ENROLL PAY **\$4.75** FOR EACH KIT THAT YOU RECEIVE

Take as few as you wish—or get all nine... it's up to you!

SOME QUESTIONS ANSWERED

Q. How is it possible? It seems incredible to be able to get all the equipment shown above in just nine kits—at only \$4.75 per kit!

A. The direct-to-you "no middleman" club plan is just part of the answer. The other key is ABCS Club's especially designed multi-use equipment. For example: the Microprojector quickly and easily converts into the Spectroscope, Photo Enlarger and Cloud Chamber Illuminator. Similarly, the Transit doubles as a Telescope Mount. Such multi-purpose design... plus club plan economy... makes possible this all-science program at a price everyone can afford.

Q. May members choose the order in which they receive their kits?

A. Yes. With the first kit members receive a list of the equipment and projects contained in each of the remaining eight kits. With this information they are able to choose the kit sequence that best suits their particular interest.

Q. Can members get their kits all at once instead of one-a-month?

A. Yes. At any time members can have the balance of their kits sent in one shipment. We recommend that you start on the kit-a-month plan because the monthly spacing will give you time to get the full measure of knowledge and enjoyment that each kit has to offer.



CHRISTMAS SUGGESTION: Try the first kit now... see how additional kits will make this the best Christmas ever!

NO OBLIGATION—NO RISK!

- ★ \$1.00 is the full cost of membership.
- ★ You take only as many kits as you wish.
- ★ Two weeks approval on each kit you take.
- ★ You may return any kit for full refund.

Send coupon today—get your first kit on its way!

■■■■■■ TRIAL MEMBERSHIP COUPON ■■■■■■

I wish to try the Kit-a-Month Program:

☐ I enclose \$1.00 to enroll and \$4.75 for the first kit postpaid.

☐ I enclose \$1.00 to enroll. Send first kit COD. I'll pay COD fee.

I understand if I am not satisfied with the first kit I may return it for a complete refund including the \$1.00 membership fee.

NAME _____

ADDRESS _____

CITY AND STATE _____ (PLEASE PRINT) ZIP CODE _____

AMERICAN BASIC SCIENCE CLUB, INC.

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