



Aiding Young Scientists



► Boys and girls who like science want to join Science Clubs of America.

One third of a million boys and girls already do belong to the 15,000 clubs affiliated with Science Clubs of America. Each club is sponsored by an adult who combines knowledge of science with a willingness to help young people.

Parents: you can help your son or daughter learn more about science.

Educators: you can give your students the benefit of national and state affiliation with thousands of other young scientists.

There is no charge for affiliation of a club.

Eighth Annual Search for Talent Now in Progress

About 16,000 high school seniors will enter the Eighth Annual Science Talent Search for the Westinghouse Science Scholarships this year.

From them the judges will choose 300 boys and girls for honorable mention and will recommend them to the colleges, universities and technical schools of their own choice.

Out of the 300 a total of 40 will be selected to attend the annual Science Talent Institute in Washington, D. C., March 3-7, 1949. They will be eligible for \$11,000 in Westinghouse Science Scholarships ranging in size from \$100 to \$2,800.

Students living in Alabama, Georgia, Illinois, Indiana, Iowa, Louisiana, Michigan, Minnesota, Montana, Pennsylvania, South Carolina, Tennessee, Virginia and Wisconsin will be entering a state Science Talent Search at the same time they enter the Eighth Annual Science Talent Search for the Westinghouse Science Scholarships.

Through a cooperative arrangement with Academies of Science and colleges in the above states all boys and girls who enter the national will be competing in the state Science Talent Search at the same time and are thus assured of a double chance of winning scholarships and other assistance for further education in science.

Complete details of how to enter the national and state Science Talent Searches are available from Science Clubs of America.

30 States Are Cooperating With Work of SCA

A total of 30 states work with Science Clubs of America to increase opportunities for youth to practice in science.

Academies of Science, colleges, universities, newspapers, museums and other organizations in these states work closely with SCA to give boys and girls a chance to meet together, become acquainted with the scientists of the state and to visit places of scientific interest in their area.

Cooperating states are putting an increasing amount of time and energy into giving

boys and girls first hand acquaintance with the science of their state and an appreciation of the opportunities for them as developing scientists.

Meetings, conferences, trips, conventions, congresses, fairs, are held. Many states have radio programs, speakers bureaus and publications for the clubs.

All sponsors in affiliated clubs are kept informed of all cooperative arrangements and thus can coordinate national and state functions into the planning of their own club program.

New 1949 Edition of SCA Sponsor Handbook Is Ready

The 100-page SCA Sponsor Handbook, full of time-saving helps and right-at-your-fingertip information, has been completely revised and is now ready to make your science club program and activities the best ever.

Packed into its pages is information on:

HOW TO ORGANIZE YOUR SCIENCE CLUB—this step-by-step outline of how to start a club is a gold mine for the new sponsor and a treasury of ideas for the experienced one.

ACTIVITIES FOR YOUR SCIENCE CLUB—individual and group plans gleaned from the experiences of thousands of clubs.

PROJECTS YOUR SCIENCE CLUB CAN UNDERTAKE—a compilation of 1,000 projects done by science club members is invaluable as a check list.

CO-PROJECTS FOR YOUR CLUB—real jobs in science your members can do with well-known scientific organizations.

HOW TO GET CLUB PUBLICITY—how to let the public know what your club is doing and thus get support for new plans.

AFFILIATED GROUPS IN VARIOUS STATES—lists organizations cooperating with SCA in 30 states.

SCIENCE SERVICE AIDS FOR SCIENCE CLUBS—the many services of this organization for the popularization of science are at your disposal.

HOW TO CONDUCT YOUR SCIENCE FAIR—how to plan a science fair for the smallest school or the largest city.

EIGHTH ANNUAL SCIENCE TALENT SEARCH—how to help the talented seniors to get scholarship assistance for further study of

science in a school of their choice.

RECOMMENDED BOOKS FOR SCIENCE CLUBS—a reading list or a check list for adding to your club or school library contains hundreds of titles of standard or new books in science.

FREE AND LOW COST MATERIALS FOR SCIENCE CLUBS—over 300 companies offer free and low cost materials to supplement club laboratory or library.

WHERE SCIENCE CLUBS ARE LOCATED—a tabulation of the distribution of affiliated clubs in the United States, possessions and foreign countries.

One copy of the SCA Sponsor Handbook is sent free of charge to the sponsor of each affiliated club. (Price to others: \$1.00.)

Activities and Programs Of Affiliated Clubs

HARDINBURG, KY.—The B. U. G. S. Club of Hardinsburg High School has taken over the care of the plant life of the school yard. They water the plants during the summer, bring in those that need winter protection and replant them in the spring.

APPLETON, WIS.—The 12 to 15 year olds in the Junior Scientists Club of McKinley Junior High School have started a school museum where they display what they col-



FUN WITH PLASTICS—Birthday parties are more fun when there is no fear of damage caused by breaking or spilling. Here the tablecloth is plastic coated, the children eat from plastic dishes and play with plastic toys. Even the birthday cake is decorated with tiny candles set in plastic candle holders.

lect in their study of chemistry, radio, electricity, minerals and insects.

BAY VILLAGE, OHIO—The Bay Science Club has its own nature trail with trail markers and identification boards made of masonite.

NEWTOWN SQUARE, PA.—Hamsters and white mice are raised by the Atomettes of Ellis College for experimental purposes. They have a science museum and a nature trail they have laid out on the campus.

MIDDLETOWN, MD.—Since most of the Beaker Breakers at Middletown High School are girls they have chosen to experiment with textiles, drugs and cosmetics. A lighting survey they conducted convinced the community something should be done to provide better lighting in the school building.

MIAMI BEACH, FLA.—The Curiosity Club of Normandy School erected a bird feeding station, established a school garden and put on a chemical magic show before the student body. On weekly field trips they have visited an airfield, shipyard, bakery, dairy, candy factory, fruit packers, gas works, veterinarian, newspaper plant and a farm.

ALEXANDRIA, VA.—At St. Stephens Boys School the 32 members of the Explorers Society planned and constructed a lily pond for the school. They raise fish, mice and pigeons but are interested too in nuclear physics, electricity and radio.

PROSSER, WASH.—The 10 boys in the Sigma Delta Science Club of Prosser Senior High School held an All-Hi Revue and earned over \$400.00 for a science exhibit.

BATON ROUGE, LA.—A question box between students and club members is conducted by the Biology Club of Baton Rouge High School. To further their biological studies they have received animals from Louisiana State University and plants from local garden clubs.

RACINE, WIS.—Outside their club room window the six members of the Science Club of William Horlick High School have their own bee hive. They watch the bees at work through the glass panel walls of the hive and sell the honey to pay for incidental expenses of their other work.

DES MOINES, IOWA—No one can wear the monogram of the General Science Club of Amos Hiatt Junior High School until he has won a certain number of points by completing science projects. Stars are added to the monogram for additional points won.

HOLYOKE, MASS.—All the movies in the Holyoke High School are run by certified operators who have been trained by the Science Club.

BALTIMORE, Md.—The Chemistry Club of Patterson Park High School is composed of 23 members chosen for high proficiency in that subject. Prevention of accidents is a hobby with the club and their record is clear in spite of the difficult experiments they perform. They have visited local plants making sulfuric acid, oxygen, porcelain and refining ores.

FRESNO, CALIF.—The eight girls in the

Camera Club of San Joaquin High School supply most of the prints for their school paper and year book and make their own Christmas cards photographically.

SYRACUSE, N. Y.—The Grant Science Club of Grant Junior High School has had a Science Fair annually for the past five years. Members advance in rank from third to second to first class and are then entitled to wear the SCA felt emblem. If they earn more than 224 points they may become expert, master and finally (with 1,000 points) member of MIDUX honor society and are awarded the SCA silver emblem. The club has its own news sheet.

SHARON HILL, PA.—The Bi-Phy-Chem Club of Sharon Hill High School is 14 years old. They have just finished a 16 minute 8 mm. motion picture of the activities of their club for one year.

SOUTH BEND, IND.—Noon hours at James Whitcomb Riley High School are enlivened by the free demonstrations put on by the Riley High Mad Scientists. Crowds gather when they demonstrate polarized light, radioactive disintegration, chemical indicators and phosphorescent and fluorescent materials.

ANDOVER, MASS.—The 35 boys in the Science Club at Phillips Academy have free access to the laboratories of their school four afternoons a week. Each member has a project of his own with mechanics and chemistry leading in popularity. The club owns two automobile and one airplane engine, all of which are torn down and reconstructed by the members.

SAN FRANCISCO, CALIF.—Aptos Junior High School is fortunate in having the Projectionist Club. Its 22 boys obtain and show all motion pictures and slides used in the school. They service and operate all projection equipment.

INDIANAPOLIS, IND.—For 18 years members of the Chemistry Club of Shortridge High School have been studying chemistry, visiting places of scientific interest and inviting prominent scientists to speak to them. Seven field trips were made last year in connection with a continuing project of "fingerprinting of Indiana glaciers."

OLTON, TEXAS—Six scientists from as many professions visited the Olton Science Club in Olton High School during the past year at the request of the 46 members. After giving lectures on the requirements and future possibilities of the professions they answered questions of the members.

CONVENT STATION, N. J.—The Tri Sci Club of 35 girls at St. Elizabeth Academy keeps up a lively and interesting business of preparing and exchanging specimens of all kinds with other schools.

LOS ANGELES, CALIF.—The R. V. Club of Washington High School has devised its own uniform of white shirt or blouse and black skirt or trousers with the SCA felt emblem prominently displayed. They wear their uniforms for science teas, Christmas Carolling and when they visit other clubs.

NEW YORK, N. Y.—The 35 boys and girls in the Audubon Club of public School 4

do most of their bird observations in city parks. They have their own nature room and school museum run by these 11 to 12 year olds.

MILWAUKEE, WIS.—The 20 boys who make up the membership of the Physics Club of Marquette University High School are weathermen. Their daily weather observations are used by the local station, are published in the local paper and are sent in to the U. S. Weather Bureau. So much interest has been generated in this project that radio stations, suburban areas and parents often request information from them and report data to them.

OKLAHOMA CITY, OKLA.—The seven Retort Tumblers of Capitol Hill High School are making and grinding lenses to get first hand information about their favorite subject, optics.

MILLBRAE, CALIF.—Eight 15 to 18 year olds got interested in nature study through scouting and have banded together in the Natural Science Club. Following any interest of any member they take hikes together to see for themselves plant and animal life in the surrounding mountains and forests and have visited a planetarium and observatory. Their treasures brought back are displayed in a library and exhibit room where members and non-members are welcome to browse at will.

OAK RIDGE, TENN.—The Seekers of Science at Oak Ridge High School like to collect galls, fossils and algae. They are all members of the Tennessee Junior Academy of Science.

FREEPORT, N. Y.—For 17 years students at Freeport High School have belonged to the Science Club. Last year the 25 members visited a ship propeller factory, power plant, village sewage disposal plant and invited lecturers on herpetology and heredity. While the majority lean toward physics and machinery in their interests there are small groups or individuals in almost every field of science.

STOCKTON, CALIF.—The 35 members of the Tom Edison Club of Edison High School go to every spot they can locally that is connected with their varied interests in science but when distances are too great they invite speakers to come to their meetings.

CLARKSBURG, W. VA.—A herbarium of the flowers of Harrison County has been started by the Science Club of Washington Irving High School. The small hot house they constructed themselves is now the home of many kinds of flowers.

CURTIS, NEB.—Every one of the 56 members of the UNSA Science Club of the University of Nebraska School of Agriculture has a project of his own. These range from crops and soils, livestock and poultry to first aid and chemistry.

For full details on how to belong to Science Clubs of America or how to engage in any of its activities write to: Science Clubs of America, 1719 N Street N. W., Washington 6, D. C.