

## GENERAL SCIENCE

# Scientists of the Future

**Winners of Thirteenth Annual Science Talent Search announced. Eight girls and 32 boys will come to Washington to compete in the finals for scholarships totaling \$11,000.**

► THE 40 most promising young scientists in America's high schools have just been selected in the Thirteenth Annual Science Talent Search. The winners—eight girls and 32 boys—have been invited to Washington for a five-day all-expenses-paid visit Feb. 25 through March 1.

They will participate in the Science Talent Institute and compete for \$11,000 in Westinghouse Science Scholarships in the finals of the Science Talent Search conducted by Science Clubs of America, administered by SCIENCE SERVICE.

## Nation-Wide Competition

The 40 trip winners, 15 to 17 years of age, were chosen by a panel of judges after a nation-wide competition in which top-ranking seniors in all the public, parochial and private schools in the continental United States were invited to participate.

Entrants, representing every state in the Union and the District of Columbia, totaled 16,344, of whom 2,409 completed the stiff science aptitude examination (see p. 74), submitted recommendations and scholarship records, and wrote a report on "My Scientific Project."

At the end of the winners' five-day stay, Feb. 25 through March 1, the judges will award the scholarships. One boy or girl will receive the \$2,800 Westinghouse Grand Science Scholarship (\$700 per year for four years). The runner-up will receive a \$2,000 Westinghouse Science Scholarship.

Westinghouse Science Scholarships, ranging in size from \$100 to \$400 and bringing the total to \$11,000, will be awarded at the discretion of the judges to the rest of the winners.

The scholarships may be used at any college, university or technical school of the winners' choice so that they may continue their training in science or engineering.

## Many Areas Represented

Chosen without regard to geographic distribution, the 40 trip winners come from 32 cities in 18 states and the District of Columbia. Two of the states represented, Kentucky and Mississippi, never have had a winner in a previous Search. States represented by winners since 1942 now total 42.

Four high schools in the United States have produced more than one winner this year. Evanston (Ill.) Township High School will send two girls and one boy. Erasmus Hall High School and Midwood High School, both of Brooklyn, N. Y., will send one boy and one girl each. Two boys will

come from the Bronx High School of Science in New York City.

Fifteen of the winners this year come from schools that have never before placed winners in the annual Science Talent Search. The other 25 added new laurels to schools already honored in the past by having produced winners. Each school having a winner receives a bronze and walnut plaque to add to the school's trophy collection.

The honor of being all-time top-producer of winners goes to the Bronx High School of Science in New York City. Their 13-year total is 18 winners. Close behind is Forest Hills (N. Y.) High School with 17 winners—a total that only one other school in the USA can match.

Evanston (Ill.) Township High School, the only school in the country to produce two previous winners of Westinghouse Grand Science Scholarships, adds three winners this year to bring to eight its total for the 13-year period.

Three Brooklyn (N. Y.) schools have upped their total of winners. Brooklyn Technical High School to eight; Midwood High School to eight; and Erasmus Hall High School to six.

Five winners each have been produced in the past 13 years by: North Phoenix (Ariz.) High School and New Brunswick (N. J.) High School.

## Diversified Backgrounds

Three winners have been named from Springfield (Ore.) High School. Two each have come from Webb School of California, Claremont, Calif.; Woodrow Wilson High School, Washington, D. C.; Rochester (Minn.) Senior High School; Benjamin Bosse High School, Evansville, Ind.; Nyack (N. Y.) High School; Monroe High School, Rochester, N. Y.; Troy (N. Y.); High School; Classen High School, Oklahoma City, Okla.; Salem (Ore.) Senior High School; Lebanon (Pa.) High School; South Charleston (W. Va.) High School.

All of the winners live at home and attend their local or nearby public, parochial or private secondary schools.

More than 58% of the Science Talent Search trip winners rank first, second or third in their graduating classes, which range in size from 29 to 1,040 students. Exactly 55% of the winners' fathers and 40% of their mothers attended college. A number have parents who were born or educated abroad. Two-thirds of the winners claim no scientists among their relatives, the others have one or more scientists among their close or distant relatives.

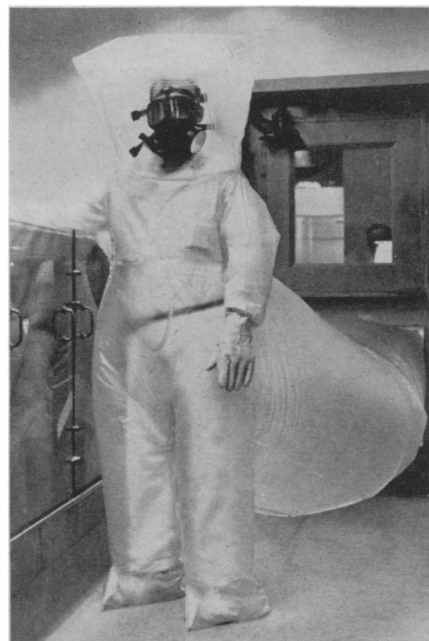
Contrary to a frequent conception about scientists, the winners are not interested in science only. While most of them spend much of their spare time in science pursuits such as science clubs and individual hobbies of a scientific nature, all of them have participated in varied extracurricular interests such as music, athletics, journalism and dramatics, and all belong to social and educational organizations outside their school work.

Many of the top 40 have already chosen the lines of study they wish to pursue. Physics and mathematics attract seven each, while six lean toward careers in engineering and four intend to study chemistry. Others plan careers in medicine, geology, astronomy, biochemistry, biology, archaeology, botany and scientific journalism.

## Previous Winners Succeed

Records show that 93% of those chosen in the first six years (1942-1947) of the Science Talent Search are now science trained. Most of these 240 have their bachelor's degree; 64 have a master's degree and 42 have a M.D., Ph.D. or D.Sc degree. Slightly over half of them have full time research jobs in industry, government or in universities and colleges. Sixteen are at present in military service.

Their scholastic accomplishments are vouched for by the fact that 75 are mem-



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