

GENERAL SCIENCE

Scientists of Tomorrow

Nine girls and 31 boys are picked as winners in the annual Science Talent Search. They will come to Washington to compete for \$11,000 in scholarships.

► THE 40 MOST PROMISING young scientists in America's high schools have just been selected in the Sixteenth Annual Science Talent Search. The winners, nine girls and 31 boys, have been invited to Washington for a five-day, all-expenses-paid visit March 7-11.

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, 14 to 18 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. Contestants, representing every state in the Union and the District of Columbia, totaled 20,145, of whom 3,122 completed the stiff science aptitude examination, submitted recommendations, and scholarship records, and wrote a report on "My Scientific Project."

In the past 16 years 224,916 high school seniors have taken the Science Talent Search aptitude test. Of this number only 44,048 have been able to complete all the requirements of the Search. This year, of the 20,145 examinations sent to 2,860 high school teachers, only 3,122 students cleared all the hurdles.

On March 11 at the end of the Science Talent Institute 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.

Chosen without regard to geographic distribution, the 40 trip-winners come from 37 cities in 21 states. States represented by winners since 1942 now total 43.

Diversified Backgrounds

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

Of the Science Talent Search trip-winners, 50% rank first, second or third in their graduating classes, which range in size from 20 to 1,145 students. Exactly 70% of the winners' fathers and 55% of their mothers

attended college. Of the winners, 19 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.

School Records

Only one high school in the United States has produced more than one winner this year. Erasmus Hall High School, Brooklyn, N.Y., will send one boy and one girl to bring their 16-year winner total to 10.

Seventeen of the winners this year come from schools that have never before placed a winner in the annual Science Talent

Search. The other 23 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 for the school's collection.

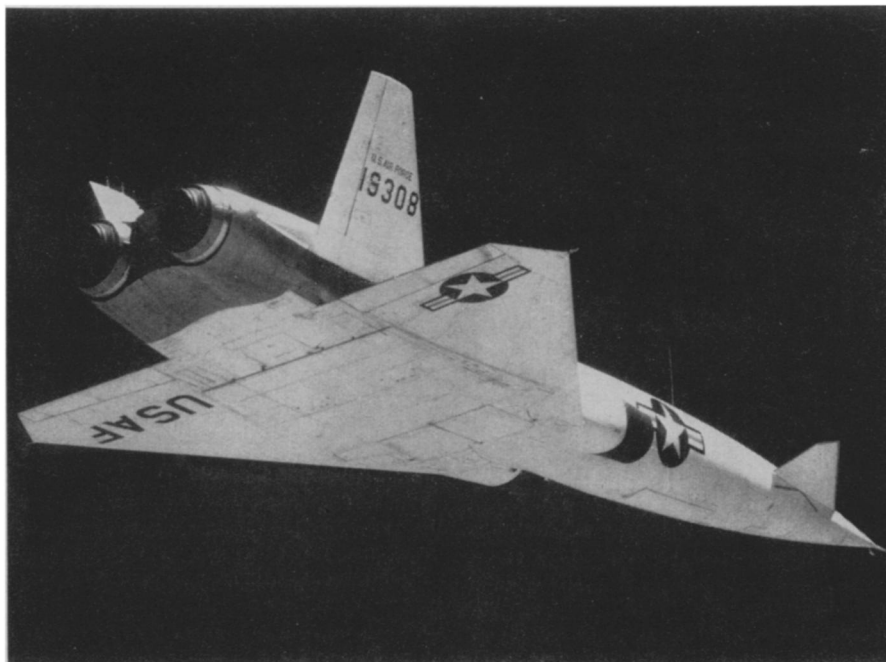
The honor of being all-time top-producer of winners goes to Forest Hills (N.Y.) High School. Their 16-year total is 21 winners.

The 16-year production of winners stands at 12 for Midwood High School, Brooklyn, N.Y.; at 11 for Evanston (Ill.) Township High School; at seven for New Rochelle (N.Y.) High School and at four for Central High School, Tulsa, Okla.

The following schools have produced three winners each in the 16 years of the Search: Arlington Heights (Ill.) Township High School; University High School, Bloomington, Ill.; Central High School, South Bend, Ind.; Barringer High School, Newark, N. J.; Monroe High School, Rochester, N. Y.; Andrew Jackson High School, St. Albans, N. Y.; North Salem High School, Salem, Oreg.; Mt. Lebanon High School, Pittsburgh, Pa.; and Columbus High School, Marshfield, Wis.

With their winners this year these schools now have the distinction of having produced two winners in the 16 years of the Search: Abraham Lincoln High School, San Francisco, Calif.; Niles Township High School, Skokie, Ill.; Weston (Mass.) High School; Geneva (N. Y.) High School; Archbishop Stepinac High School, White Plains, N. Y.; Austin (Texas) High School; and Stonewall Jackson High School, Charleston, W. Va.

All of the top 40 already have chosen the lines of study they wish to pursue. Nine



TEST VEHICLE—The X-10, an unmanned test vehicle for the Air Force SM-64 Navaho intercontinental strategic guided missile weapon system program, is shown in one of its first released photographs. The X-10 has been successfully flown at high supersonic speeds in a series of tests carried out to prove the missile's aerodynamic design, as well as its guidance and control systems.