

GENERAL SCIENCE

Scientists of the Future

Eight girls and 32 boys are selected as winners in annual national Science Talent Search. They will meet in 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 Fifteenth Annual Science Talent Search.

The winners, eight girls and 32 boys, have been invited to Washington for a five-day all-expenses-paid Science Talent Search visit March 1 through March 5.

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 tripwinners, 15 to 19 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 20,828, of whom 3,375 completed the stiff science aptitude examination, submitted recommendations and scholarship records, and wrote a report on "My Scientific Project."

On March 5, at the end of the Science Talent Institute, judges will award the scholarships. One boy or girl will receive the \$2,800 Westinghouse Grand Science Scholarship (\$700 per year for four years). 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.

Many Areas Represented

Chosen without regard to geographic distribution, the 40 tripwinners come from 36 cities in 21 states and District of Columbia. States represented by winners since 1942 now total 43.

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

Of the Science Talent Search tripwinners, 55% rank first, second or third in their graduating classes, which range in size from 23 to 1,200 students.

Exactly 72.5% of the winners' fathers and 60% of their mothers attended college. A number have parents who were born or educated abroad. Of the winners, 21 claim no scientists among their relatives; the oth-

ers 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.

All of the top 40 already have chosen the lines of study they wish to pursue. Fourteen plan to become physicists, with half in nuclear physics; eight want to be engineers, and five aspire to careers in biology. Three want to be mathematicians and two each are headed for majors in psychiatry and biochemistry.

One each plans to be a chemist, astro-physicist, pathologist, physician, paleontologist, and archaeologist. All expect to do research in their respective fields.

New Schools Represented

Twenty-four of the winners this year come from schools that have never before placed a winner in the annual Science Talent Search. The other 16 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.

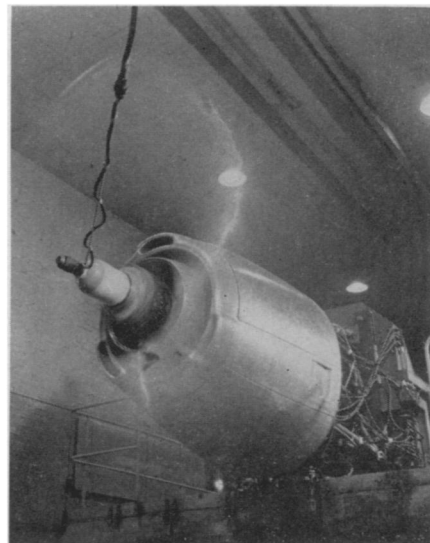
Only one high school in the United States has produced more than one winner this year. Midwood High School, Brooklyn, N. Y., will send one boy and one girl to bring their 15-year winner total to 11.

The honor of being all-time top-producer of winners goes to Forest Hills (N.Y.) High School. Their 15-year total is 20 winners. Only the Bronx High School of Science and Stuyvesant High School in New York come near this record and neither placed a winner this year.

Two schools have upped their total of winners to a total of six, Eugene (Ore.) High School and the Phillips Exeter Academy, Exeter, N. H.

University High School, Urbana, Ill., Woodrow Wilson High School in Washington, D. C., and Kenmore (N.Y.) High School have brought their total to four for the 15 years, Tucson (Ariz.) High School, Newton High School, Newtonville, Mass., and Central High School, Tulsa, Okla., have produced three each for the same period.

The following schools have been able to



SUPERCHARGED TURBOPROP—
The Bristol BE 25 supercharged turboprop, power unit for later versions of the 100-passenger Bristol Britannia airliner, is shown on the test bed. Its manufacturers state it will give a constant power of 4,000 horsepower from sea level up to 20,000 feet.

place two winners each since the Search began in 1942: Northside High School, Atlanta, Ga., Central Jr.-Sr. High School, South Bend, Ind., James Madison High School, Brooklyn, N. Y., Appleton (Wis.) High School and Columbus High School, Marshfield, Wis.

Honorable Mentions

In addition to the 40 tripwinners, who will attend the Science Talent Institute in Washington, an Honorable Mentions list of 260 in the Fifteenth Annual Science Talent Search will be announced later.

These high ranking contestants will be recommended to colleges and universities for their aptitude in science. They will receive offers of scholarships from many institutions of higher education seeking students with talent in science.

State Science Talent Searches

Through an arrangement with Science Clubs of America, 29 states and the District of Columbia are conducting state Science Talent Searches concurrently with the national competition. Fifteen of them have produced winners this year.

In these 30 areas, all entries in the national Science Talent Search will be turned over to state judging committees. From their entries they will choose state winners and award scholarships to various colleges and universities within the state.

Cooperating states are: Alabama, Arkansas, Connecticut, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Maine, Maryland, Massachusetts, Michigan, Minnesota, Montana, New Hampshire,