

GENERAL SCIENCE

Scientists of the Future

Winners of Twelfth Annual Science Talent Search now announced. Nine girls and 31 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 Twelfth Annual Science Talent Search. The winners—nine girls and 31 boys—have been invited to Washington for a five-day all-expenses-paid visit Feb. 26 through March 2.

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.

The 40 tripwinners, 15 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.

Entrants, representing every state in the Union, totaled 14,260, of whom 2,264 completed the stiff science aptitude examination, submitted recommendations and scholarship records, and wrote a report on "My Scientific Project."

At the end of the winners' five-day stay, Feb. 26 through March 2, 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.

Represent 20 States

Chosen without regard to geographic distribution, the 40 trip-winners come from 32 cities in 20 states. All of the states represented have had at least one winner in previous Searches. States represented by winners since 1942 total 40.

Two high schools in the United States have produced more than one winner this year. Erasmus Hall High School of Brooklyn, N. Y., will send one boy and one girl. Two girls have been invited from Hunter College High School, New York.

Twenty-one of the winners this year come from schools that have never before placed winners in the annual Science Talent Search. The other 19 are adding new laurels to schools already honored by having produced winners in the past. Each school

producing a winner receives a bronze and walnut plaque for its trophy collection.

The honor of having produced another this year to bring their 12-year total to 16 winners goes to Forest Hills (N. Y.) High School. Only two other schools in the U. S. can tie or surpass this record.

Three Brooklyn, N. Y., High Schools have upped their total of winners during the 12 years of the Science Talent Search thus: Abraham Lincoln High School, 8; Brooklyn Technical High School, 7; Midwood High School, 6.

These two schools have produced five winners each in the past 12 years: Evanston, Ill., Township High School, which also has the honor of being the only school to have placed two as winners of Westinghouse Grand Science Scholarships, and The Phillips Exeter Academy, Exeter, N. H.

These three schools have produced four winners each in the past 12 years: North Phoenix High School, Phoenix, Ariz., Erasmus Hall High School, Brooklyn, N. Y., and William Howard Taft High School, New York.

Hunter College High School, New York, has had three winners over the past 12 years and the following schools have had two winners each: Pasadena (Calif.) City College High School; The Hotchkiss School, Lakeville, Conn.; University High School, Bloomington, Ind.; William Chrisman High School, Independence, Mo.; Scarsdale (N. Y.) High School; Tottenville High School, Staten Island, N. Y., and Central High School, Tulsa, Okla.

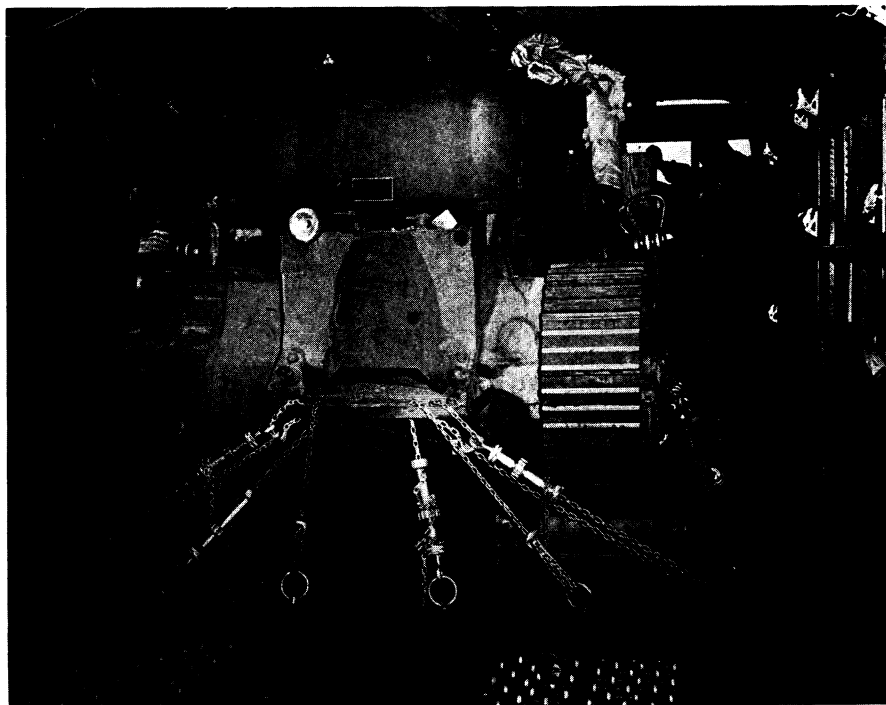
A brother of this year's winner from Tottenville High School was also a winner from the same school in 1948.

Most of the winners live at home and attend their local or nearby public, parochial or private secondary schools. Two attend private schools in other states.

Interests Are Varied

More than 52% of the Science Talent Search trip winners rank first, second or third in their graduating classes, which range in size from 42 to 1,002 students. Exactly 70% of the winners' fathers and 60% of their mothers attended college. A number have parents who were born or educated abroad. Three-fourths of the winners claim no scientists among their relatives, the other 10 have one or more scientists among their close or distant relatives.

Contrary to a frequent conception of 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



"OPERATION TEST DROP"—In maneuvers simulating establishment of an "invasion airhead," Army engineers and Air Force troop carrier crews recently dropped 400 tons of construction vehicles in the first mass paradrop of heavy engineering equipment near Fort Bragg, N. C. Shown here is a 21,000-pound crawler tractor just before the drop.

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.

Many of the top 40 have already chosen the lines of study they wish to pursue. Physics attracts eight, while 11 lean toward careers in engineering, and four intend to study medicine. Others plan careers in geology, mathematics, chemistry, biology, entomology, paleontology, geochemistry, and zoology. All hope to do research in their respective fields.

260 Honorable Mentions

Well over half of the 440 winners in the first 11 Science Talent Searches held since 1942 now have undergraduate degrees. Masters' degrees have been earned by 64 and doctors' degrees (M.D., Ph.D., D.Sc.) have been granted to 40 of the 440. More than 85 are now employed full-time in science jobs in industry, government or professions, or are on university teaching or research staffs. None of the 440 previous winners is more than 30 years old.

In addition to the 40 trip-winners, who will attend the Science Talent Institute in Washington, an Honorable Mentions list of 260 in the Twelfth Annual Science Talent Search will be announced Feb. 5. These high ranking contestants will be recommended to colleges and universities for their aptitude in science.

If they are as fortunate as those previously included in the Honorable Mentions list, they will receive offers of scholarships from many institutions of higher education seeking students with talent in science.

Concurrent State Searches

Through an arrangement with Science Clubs of America, 25 states and the District of Columbia are conducting state Science Talent Searches concurrently with the national competition. Twelve of them have produced winners this year. In these 26 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, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Massachusetts, Michigan, Minnesota, Montana, New Hampshire, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Vermont, Virginia, West Virginia and Wisconsin.

The Annual Science Talent Search is conducted by Science Clubs of America, administered by SCIENCE SERVICE. Scholarships are provided and the Science Talent Search made financially possible by the Westinghouse Educational Foundation, an organization endowed by the Westinghouse Electric Corporation, for the purpose of promoting education and science.

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STS Winners Selected

* Indicates girls

H. S. indicates High School

ARIZONA

Phoenix *Spangehl, Karen Mateel 16 North Phoenix H. S.

CALIFORNIA

Los Angeles Brayton, Paul Richard 17 James A. Garfield H. S.

Pasadena Clark, Dennis Richard 18 University H. S.
Willis, John Steele 18 Pasadena City College H. S.

CONNECTICUT

Lakeville French, Thayer Carlton 17 The Hotchkiss School
Home: Sewickley, Pa.

GEORGIA

Atlanta *Wright, Nancy Eleanor 17 Joe E. Brown H. S.

Chamblee Menhinick, Edward Fulton 17 Chamblee H. S.

ILLINOIS

Evanston Tangora, Martin Charles 16 Evanston Township H. S.

Glen Ellyn Reynolds, John Charles 17 Glenbard Township H. S.

INDIANA

Bloomington *Hopf, Barbara Erika Gertrude 16 University H. S.

Valparaiso Swarner, David Reynolds 15 Valparaiso H. S.

MASSACHUSETTS

Weston Phillips, Edward Alan 15 Weston H. S.

MINNESOTA

Rochester Moffet, Alan Theodore 16 Rochester Senior H. S.

MISSOURI

Independence Larson, James Daniel 17 William Chrisman H. S.

NEW HAMPSHIRE

Exeter Mumford, David Bryant 15 The Phillips Exeter Academy
Home: Summerland Key, Fla.

NEW JERSEY

Cranford Isles, David Frederick 17 Cranford H. S.

Highland Park Sosin, David Elliott 17 Highland Park H. S.

NEW YORK

Brooklyn Monsky, Paul Henry 16 Brooklyn Technical H. S.

*Forman, Merle Regina 16 Erasmus Hall H. S.

Gross, Charles Gordon 16 Erasmus Hall H. S.

Rubinstein, Robert Leonard 15 Lafayette H. S.

Resnikoff, Howard Lenard 15 Abraham Lincoln H. S.

Shore, Robert Avery 16 Midwood H. S.

Pearlmutter, Arthur Edward 16 Forest Hills H. S.

Strax, Norman 17 Great Neck H. S.

*Duchane, Emma Marie 16 Hunter College H. S.

*Itokawa, Etsuyo 17 Hunter College H. S.

*Russ, Joanna Ruth 15 Wm. H. Taft H. S.

Cassidy, Harry Joseph 18 Painted Post H. S.

Harte, Kenneth Jeremy 17 Scarsdale H. S.

Lubin, Jonathan Darby 16 Tottenville H. S.

Pirone, Dominick Joseph 16 Archbishop Stepinac H. S.

OHIO

Mansfield *Kirtley, Mary Elizabeth 17 Mansfield Senior H. S.

OKLAHOMA

Tulsa Claytor, Richard Nelson 17 Central H. S.

OREGON

Portland Wolfe, Jack Albert 16 Franklin H. S.