

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.

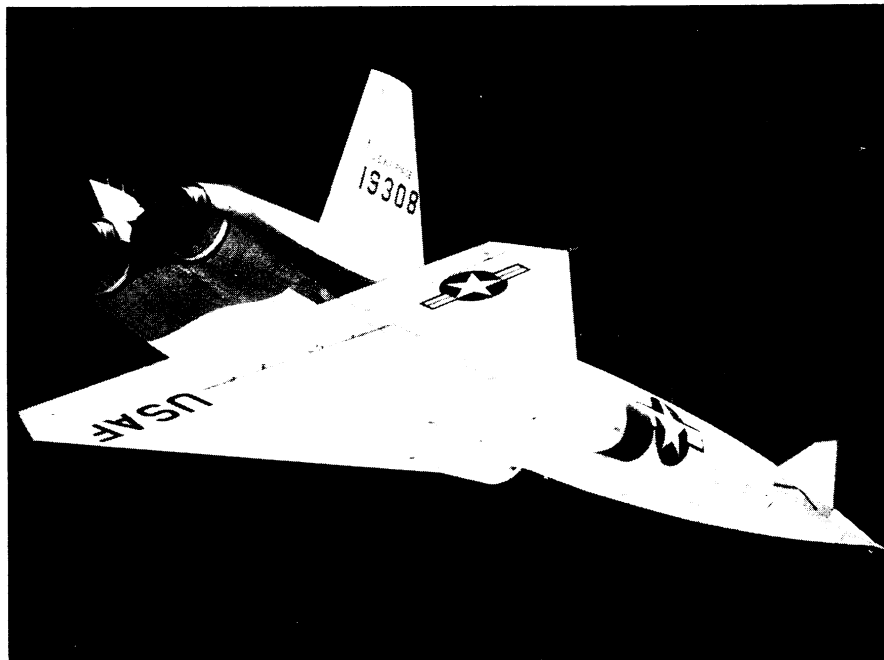
The honor of being all-time top-producer of winners goes to Forest Hills (N.Y.) High School. Their 16-year total is 21 winners.

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, Wisc.

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.

plan to become physicists. Eight hope to be chemists, six aspire to careers in medicine and five plan to be engineers—electrical and aeronautical. Two each plan careers in astronomy, bacteriology, and biochemistry. Their number also includes a geologist, botanist, mineralogist, biologist, zoologist, and teacher of science and mathematics. All expect to do research.

Honorable Mentions Awarded

In addition to the 40 trip-winners, who will attend the Science Talent Institute in Washington, an Honorable Mentions list of 260 in the Sixteenth Annual Science Talent Search will be announced Feb. 13. 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, 31 states and the District of Columbia are conducting state Science Talent Searches concurrently with the national competition. Thirteen of them have produced winners this year. In these 32 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, Nebraska, New Hampshire, New Mexico, North Carolina, Oklahoma, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, West Virginia and Wisconsin.

Sponsorship of Search

The Westinghouse Educational Foundation, supported by the Westinghouse Electric Corporation, provides the awards and makes the Science Talent Search financially possible as a contribution to the advancement of science in America.

The Annual Science Talent Search is conducted by Science Clubs of America, administered by SCIENCE SERVICE. Science Clubs of America is the international organization for science groups in schools and out. Today more than 16,000 clubs are affiliated here and abroad, with a membership of more than one third of a million young people.

Judges of the Science Talent Search are Dr. Harold A. Edgerton of New York City, Dr. Stuart Henderson Britt of Chicago, and Dr. Rex E. Buxton, of Washington, D. C. Drs. Edgerton and Britt design the Science Aptitude Examination each year for the Science Talent Search.

Science News Letter, February 9, 1957

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Washington Trip Winners

HOME ADDRESS follows name of school

			ARIZONA
<i>Phoenix</i>	Brand, Warren Louis 16	Phoenix Camelback H.S.	2435 E. Fairmont St.
			CALIFORNIA
<i>San Francisco</i>	Rauscher, Warren Carleton 17	Abraham Lincoln H.S.	121 Morningside Dr. 27
			COLORADO
<i>Greeley</i>	Ehn, Dennis Clifford 17	College H.S.	Route 1, Ault
			GEORGIA
<i>Atlanta</i>	*Hollingshead, Dorothy Anita 17	Murphy H.S.	2705 Boulevard Dr., S.E. 17
			ILLINOIS
<i>Arlington Heights</i>	Hanor, Jeffrey Sydney 17	Arlington Heights Township H.S.	729 S. Highland Ave.
<i>Charleston</i>	*Iknayan, Susan Kathleen 17	Charleston Community Unit H.S.	938 Sixth St.
<i>Decatur</i>	Chanot, George Edward, Jr. 17	Decatur H.S.	1069 W. Prairie St.
<i>Evanston</i>	Curry, John Lamar 17	Evanston Township H.S.	618 Lincoln St.
<i>Skokie</i>	Pollock, Edward Jay 16	Niles Township H.S.	8555 N. Lawndale Ave.
			INDIANA
<i>Bloomington</i>	Cuffey, Roger James 17	University H.S.	522 Eastside Dr.
<i>Indianapolis</i>	Eikenberry, Eric Franklin 17	Broad Ripple H.S.	5903 Gladden Dr. 20
<i>South Bend</i>	Nordgren, Brett Marcus 17	Central H.S.	1048 Goodland Ave. 28
			KANSAS
<i>Neodesha</i>	*Beach, Rochelle Ruth 17	Neodesha H.S.	916 Illinois St.
			MASSACHUSETTS
<i>Weston</i>	Phillips, Charles Thomas 16	Weston H.S.	Tabor Hill Rd., RFD, S. Lincoln
			MICHIGAN
<i>Lansing</i>	Luehrs, Dean Carl 17	Everett H.S.	914 S. Dexter Dr.
			MISSOURI
<i>Neosho</i>	Adams, David Bachrach 17	Neosho H.S.	324 S. Valley St.
			MONTANA
<i>Missoula</i>	Silver, Jack Howard 14	Missoula County H.S.	621 Stephens Ave.
			NEBRASKA
<i>Omaha</i>	*Anderson, Sonia Ruth 17	Technical H.S.	6107 S. 18 St. 7
			NEW JERSEY
<i>Newark</i>	Ullrich, Felix Thomas, Jr. 17	Barringer H.S.	6 Myrtle Ave. 7
			NEW YORK
<i>Bayside</i>	Adler, Stephen Louis 17	Bayside H.S.	36-12 Cpl. Kennedy St., 61
<i>Brooklyn</i>	*Michael, Sandra Lee 16	Erasmus Hall H.S.	403 E. 4 St. 18
	Shapiro, Howard Maurice 15	Erasmus Hall H.S.	220 E. 19 St. 26
	Glogower, Jonathan David 15	Midwood H.S.	774 E. 35 St. 10
	Gorman, Richard 16	Samuel J. Tilden H.S.	5310 Clarendon Rd. 3
<i>Forest Hills</i>	*Sprenk, Kullikki Kay 17	Forest Hills H.S.	36-11 165 St., Flushing 58
<i>Geneva</i>	Albro, Phillip William 17	Geneva H.S.	13 Linwood Ave.
<i>New Rochelle</i>	*Margolish, Merry A. 16	New Rochelle H.S.	128 Trenor Dr.
<i>Rochester</i>	Goldstein, Robert Edward 16	Monroe H.S.	1160 Monroe Ave. 20
<i>St. Albans</i>	Landman, Maurice Alan 16	Andrew Jackson H.S.	185-06 Murdock Ave. 12
<i>White Plains</i>	Ryan, Philip Meade 17	Archbishop Stepinac H.S.	15 Tunstall Rd., Scarsdale
			OHIO
<i>Archbold</i>	*Schlatter, Violette Elizabeth-Emma 17	Archbold H.S.	R.R. 1
<i>Tipp City</i>	Nieman, George Carroll 18	Tippecanoe H.S.	R.R. 2
<i>Westerville</i>	Deamer, David Wilson, Jr. 17	Westerville H.S.	167 N. State St.
			OKLAHOMA
<i>Tulsa</i>	Gilmartin, Michael Cooper 16	Central H.S.	4959 E. 26th Pl. 14
			OREGON
<i>Grants Pass</i>	Balderree, Willis Willard, Jr. 17	Grants Pass H.S.	737 N.W. Kinney St.
<i>Salem</i>	*Simila, Marjorie Kay 18	North Salem H.S.	1334 Marion St.
			PENNSYLVANIA
<i>Pittsburgh</i>	Burnham, David Charles 17	Mt. Lebanon H.S.	475 Morrison Dr. 16
			TEXAS
<i>Austin</i>	Reichert, John Douglas 18	Stephen F. Austin H.S.	2803 Bonnie Rd. 3
			WEST VIRGINIA
<i>Charleston</i>	Greenlee, Donald Ray 17	Stonewall Jackson H.S.	1218 Garvin Ave. 2
			WISCONSIN
<i>Marshfield</i>	Adler, Robert William 17	Columbus H.S.	309 Magee St.