

GENERAL SCIENCE

# Name Top Young Scientists

The 40 winners of the 17th Annual Science Talent Search have been selected from among the thousands entering this annual competition to find the research scientists of tomorrow.

► THE 40 MOST PROMISING research scientists in America's high schools have been selected in the 17th 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. 27 through March 3.

They will participate in the Science Talent Institute and compete for \$34,250 in Westinghouse Science Scholarships and Awards in the finals of the Science Talent Search conducted by SCIENCE SERVICE.

The 40 trip winners, 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. Contestants, representing 47 states and the District of Columbia, completed the difficult science aptitude examination, submitted recommendations and scholarship records, and wrote a report on "My Scientific Project."

During the past 17 years 249,955 high school seniors have entered the Search. Of this number only 48,098 have been able to complete all the requirements. This year, of the 25,039 examinations sent to 3,298 high school educators, only 4,050 students cleared all the hurdles to qualify for the Search.

Of these, 1,074 scored high enough on the aptitude test to be named Candidates. The 40 winners and 260 honorable mentions, the latter to be announced shortly, were then chosen from the Candidate group.

On March 3 at the end of the Science Talent Institute the judges will make the awards. Five winners will be selected to receive one of the following: \$7,500, \$6,000, \$5,000, \$4,000, \$3,000 in four-year Westinghouse Science Scholarships. A total of \$8,750 in Westinghouse Science Awards will be given at the discretion of the judges to the other 35 winners.

## National Representation

Chosen without regard to geographic distribution, the 40 trip winners come from 35 cities in 19 states and the District of Columbia. States represented by winners since the beginning of the Search in 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.

A check shows that 32 of the students are in the top five percent of their graduating classes and 20 of them rank first, second or third. Classes range in size from 29 to 1,243 seniors. Exactly 70% of the winners' fathers and 50% of their mothers attended college. Of the winners, 23 claim no scien-

tists among their relatives; the others have one or more scientists in their families.

Contrary to a frequent notion about scientists, these talented young people do not confine their interest and enthusiasm to science. While most of them spend much of their spare time in activities such as science clubs and individual science hobbies they also enjoy such varied interests as photography, music, sports, reading and creative writing. Most of them belong to extra-curricular, social and educational organizations and more than half of them have held office in these clubs. Five of them have been finalists in the National Science Fair.

Each of the 40 already has chosen the line of study he wishes to pursue. Fourteen plan to become physicists. Six hope to be engineers; five are headed for careers in biochemistry and five in mathematics. Chemistry is the final choice for three and two hope to be physicians. One each is planning to be an astronomer, biologist, psychiatrist, zoologist. One refuses to commit himself further than to say he will be a scientist. All expect to do research in their respective fields.

Only two high schools in the U. S. have produced more than one winner this year. Jamaica (N.Y.) High School and Newton High School of Newtonville, Mass., will each send two boys to the Science Talent Institute.

## Schools Win New Laurels

Among the 40 a total of 25 come from schools that have never before placed a winner in the Science Talent Search. The other 15 are adding 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.

With a 17-year total of 19 winners, Bronx High School of Science in New York City leads previously honored schools who have additional winners this year. Only one school, with a total of 21, has had a larger roster of winners.

In the 17 years of the Search Erasmus Hall High School, Brooklyn, N. Y., has produced 11 winners. Newton High School, Newtonville, Mass., and Kenmore (N.Y.) Senior High School are each credited with five winners. The following have had four winners each: University High School, Bloomington, Ind., Phillips Academy, Andover, Mass., and Columbus High School, Marshfield, Wis. Three winners have been produced over the years by Lyons Township High School, La Grange, Ill., and Central High School, Omaha, Nebr.

The following schools now have a record of two winners for the 17 years of the Search: El Cerrito (Calif.) High School, Tamalpais High School, Mill Valley, Calif., Anacostia High School, Washington, D. C., Ithaca (N.Y.) High School, and Overbrook High School, Philadelphia, Pa.

## "Honorable Mention" List

In addition to the 40 trip winners, who will attend the Science Talent Institute in Washington, an Honorable Mentions list of 260 in this year's Search will be announced. These high ranking contestants will be recommended to colleges and universities for their aptitude in science. All 300 will receive offers of scholarships from many in-

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stitutions of higher education seeking students with talent in science.

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.

### Search Sponsors

The Westinghouse Educational Foundation, supported by the Westinghouse Electric Corporation, provides the scholarships and 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 17,000 clubs are affiliated here and abroad, with a membership of almost a half million young people.

### Science Fair in May

The other annual event, conducted by Science Clubs of America, is the National Science Fair which will be held in Flint, Mich., May 7 through 10, 1958. Twenty-three of the Science Talent Search Candidates this year have been finalists in recent National Science Fairs.

SCIENCE SERVICE is the non-profit institution for the popularization of science, with the trustees nominated by the National Academy of Sciences, National Research Council and the American Association for the Advancement of Science, the E. W. Scripps Estate and the journalistic profession.

Judges of the Science Talent Search, who selected the winners, are Dr. Harold A. Edgerton, vice president of Richardson, Bellows, Henry & Co., New York; Dr. Stuart Henderson Britt of Northwestern University, Evanston, Ill.; and Dr. Rex E. Buxton, psychiatrist of Washington, D. C. Drs. Edgerton and Britt design the Science Aptitude Examination each year for the Science Talent Search.

Students and teachers not familiar already with the year 'round program of Science Clubs of America and the two annual events for young scientists—the Science Talent Search and the National Science Fair—are invited to write to SCA, 1719 N St., N.W., Washington 6. D. C.

Science News Letter, February 1, 1958

### GENERAL SCIENCE

# Washington Trip Winners

HOME ADDRESS follows name of school

	ALABAMA	
<i>Montgomery</i>	Shepard, Kenneth Wayne 17	Sidney Lanier H.S. 3854 Maclamar Rd.
	ARIZONA	
<i>Tucson</i>	Jensen, Richard Joseph 16	Salpointe H.S. 5602 East Silver St.
	CALIFORNIA	
<i>Albany</i>	Kirk, Rodney Carlos 17	Albany H.S. 904 Evelyn St. 6
<i>El Cerrito</i>	Williams, Robley Cook, Jr. 17	El Cerrito H.S. 1 Arlington Ct., Berkeley 7
<i>Los Angeles</i>	Kukla, Andy 16	Fairfax H.S. 8409 Blackburn Ave. 48
<i>Mill Valley</i>	Nininger, Neil Logan 18	Tamalpais H.S. 24 Liberty St., Larkspur
	DISTRICT OF COLUMBIA	
<i>Washington</i>	Rice, Jerry Mercer 17	Anacostia H.S. 161 Chesapeake St., S.W. 24
	Devine, Paul Joseph, Jr. 17	Gonzaga H.S. 6157 12th St., N., Arlington 5, Va.
	FLORIDA	
<i>Miami Beach</i>	Pestcoe, Allan Emanuel 17	Miami Beach Senior H.S. 6375 Indian Creek Dr. 41
	ILLINOIS	
<i>Chicago</i>	Londak, Bernadette Genevieve 17	Mercy H.S. 7749 South Langley Ave. 19
<i>Dupo</i>	Dyroff, David Ray 17	Dupo Community H.S. Box 275
<i>Franklin Park</i>	Jerina, Donald Michael, 18	Leyden Community H.S. 2427 N. Clinton St., River Grove
<i>La Grange</i>	Gentle, Kenneth William 17	Lyons Township H.S. 843 Homestead Rd.
	INDIANA	
<i>Bloomington</i>	Martz, Eric 17	University H.S. 817 Atwater Ave.
	IOWA	
<i>Charles City</i>	Martens, Charles Paul 17	Charles City H.S. Route 4
	MARYLAND	
<i>Baltimore</i>	Gaidis, James Michael 17	Baltimore City College 1511 Carswell St. 18
	MASSACHUSETTS	
<i>Andover</i>	Weihofen, William Henry 17	Phillips Academy 908 Avenida Cielito, N.E., Albuquerque, N. Mex.
<i>Attleboro</i>	Thomae, Irving Herbert 17	Attleboro H.S. 123 Berwick Rd.
<i>Newtonville</i>	Beeuwkes, Reinier III 17	Newton H.S. 123 Sargent St., Newton 58
	Mitrovich, Dushan 18	Newton H.S. 105 Waban Hill Rd., Chestnut Hill 67
	MICHIGAN	
<i>Romeo</i>	Burns, Stephen Kent 17	Romeo H.S. 147 Church St.
	MONTANA	
<i>Choteau</i>	Malone, Jesse, Jr. 17	Choteau H.S. Route 2
	NEBRASKA	
<i>Omaha</i>	Kripke, Saul Aaron 17	Central H.S. 119 N. Happy Hollow Blvd. 32
	NEW JERSEY	
<i>Elizabeth</i>	Seaton, Robert Kirk 17	Thomas Jefferson H.S. 25 Scotland Rd. 3
<i>Teaneck</i>	Shelby, Jane 17	Teaneck H.S. 431 Claremont Ave.
	NEW YORK	
<i>Brooklyn</i>	Kapuler, Alan Mitchell 15	Erasmus Hall H.S. 47 E. 16 St. 26
	Halperin, Bertrand Israel 16	George W. Wingate H.S. 7 Balfour Pl. 25
<i>Ithaca</i>	Cantrell, Cyrus Duncan III 17	Ithaca H.S. 228 S. Geneva St.
<i>Jamaica</i>	Burger, Richard Melton 16	Jamaica H.S. 21-15 34 Ave., Long Island City 6
<i>Kenmore</i>	Wagreich, Philip Donald 16	Jamaica H.S. 67-47 182 St., Flushing 65
<i>New York</i>	Okun, Lawrence Merritt 17	Kenmore Senior H.S. 259 Hartford Ave. 23
	Kuzmack, Arnold Mark 16	Bronx H.S. of Science 37-22 95 St., Jackson Heights 72
<i>Yonkers</i>	Herschkopf, Sybil 17	Ramaz H.S. 638 W. 160 St. 32
	Rosner, Jonathan Lincoln 16	Roosevelt H.S. 300 Hollywood Ave., Tuckahoe 7
	OHIO	
<i>Vermilion</i>	Smith, Leslie Ewart 17	Vermilion H.S. 39 Huron Rd.
	OREGON	
<i>Corvallis</i>	Marshall, Ruth Ann 17	Corvallis Senior H.S. 302 N. 21st St.
	PENNSYLVANIA	
<i>Philadelphia</i>	Erlich, Elvera Rena 15	Overbrook H.S. 5648 Diamond St. 31
<i>Upper Darby</i>	Waldman, Lise Jo 16	Upper Darby Senior H.S. 625 South Ave., Secane
	WISCONSIN	
<i>Marshfield</i>	Karau, Jane Ruth 17	Columbus H.S. 510 W. 6th St.
	WYOMING	
<i>Cheyenne</i>	Wallace, Lynda Diane 17	Saint Mary H.S. 3421 Dover Rd.