

GENERAL SCIENCE

Scientists of Tomorrow

Nine girls and 31 boys have been invited for an all-expense trip to Washington to compete in the finals for scholarships totaling \$11,000.

► THE forty most promising young scientists in America's high schools have just been selected in the ninth annual Science Talent Search. The winners—nine girls (including two of a set of triplets instead of a pair of twins) and 31 boys—have been invited to Washington for a five-day all-expenses-paid visit March 2 through March 6.

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 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. Entrants, representing every state in the Union, totaled 13,585, of whom, 2,245 completed the stiff science aptitude examination, submitted recommendations and scholarship records and wrote an essay on "My Scientific Project."

At the end of the winners' five-day stay in Washington, March 2 through March 6, 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 they may continue their training in science or engineering.

Chosen without regard to geographic distribution, the 40 trip-winners come from 25 localities in 15 states. All of the states represented have had winners in previous Searches. The total of states represented by winners since 1942 is 38.

Six high schools in the United States have produced more than one winner this year. Leading is Stuyvesant High School in New York City with four boys invited; Abraham Lincoln High School in Brooklyn will send three boys. Kenmore (N. Y.) High School, the Bronx High School of Science in New York City and Brooklyn Technical High School of Brooklyn will each send two boys. One boy and one girl have been invited from the High School of Music and Art in New York City.

Twenty-three of the winners this year

come from schools that have never before placed winners in the annual Science Talent Search. The other 17 among this year's winners are adding new laurels to schools already honored by having produced winners in the past.

Of the 360 winners (40 per year) named in the first nine Science Talent Searches, 15 have come from the Bronx High School of Science and 13 from Stuyvesant High School. Forest Hills (N. Y.) High School has sent 11 winners in previous contests, and six have come from Abraham Lincoln High School. Brooklyn Technical High School has produced five and Midwood High School in Brooklyn has had four winners up to now. The following schools have had two winners each in the past nine years: Huntington (N. Y.) High School, Springfield (Oreg.) High School and North Phoenix High School in Phoenix, Ariz.

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

Over half (55%) of the Science Talent Search trip winners rank first, second or third in their graduating classes, which range in size from 17 to 504 students. Approximately 57% of the winners' fathers and 35% of their mothers attended colleges. A number have parents who were born or educated abroad and some of the winners themselves are of foreign birth. Relatively few, only 11, claim scientists in the family.

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 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.

Many of the top 40 have already chosen the lines of study and research they wish to pursue. Physics attracts 14, while four intend to study chemistry. Others plan careers in mathematics, astronomy, ichthyology, engineering, geology, genetics, medicine, biology, biochemistry, ornithology, botany, bacteriology, electronics, parasitology, entomology and histopathology. All plan research in their respective fields.

Most of the 320 winners in the eight Science Talent Searches held since 1942 are



BEDDGELERT METEORITE—The 1½ pound meteorite which fell through the roof of the Prince Lewellyn Hotel, Beddgelert, Carnarvonshire, on September 21, 1949, is shown above. Only large meteorites survive the passage through our atmosphere and reach the earth, and there are only between 1300 and 1400 instances of these known throughout the world, only eleven meteorites recorded as having fallen in Britain. The photograph shows how much of the thin black crust has been broken off, probably on impact with the roof of the hotel or the rocks above.

undergraduate or graduate students in colleges or universities where they are preparing themselves for scientific careers. A total of 152 now have undergraduate degrees, 23 have master's degrees and four are Ph.D.'s. Eight are M.D.'s. A total of 51 are now employed full-time in science jobs in industry or professions, or are on university teaching or research staffs. None of the 320 previous winners is more than 26 years old.

Honorable Mentions Named

Honorable Mentions in the Ninth Annual Science Talent Search have been named. Girls number 57 of the 260 outstanding seniors in the list, and 203 are boys; the division was determined by the ratio of girls to boys who participated in the competition.

The 260 young people to whom Honorable Mention listing was given reside in 156 communities, located in 35 states and the District of Columbia.

All 300 (40 winners; 260 honorable mentions) selected for honors will be recommended as candidates for matriculation to scholarship-awarding colleges and universities.

In the eight preceding Science Talent Searches, most of the students named in the Honorable Mentions list have been offered scholarships, and many of those named this year will qualify for valuable scholarships and other financial aid in the colleges, universities and technical schools of their choice. The judges found all 300 winners to be students of outstanding ability.

Students in the Honorable Mentions list invariably rank high in their high school graduating classes: 43% of the boys and 60% of the girls stood first or second among their classmates. All the boys and girls have studied some science and/or mathematics for three years or more in high school.

Through an arrangement with Science Clubs of America, 16 areas are conducting state Science Talent Searches concurrently with the national competition. In these 16 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 areas are: District of Columbia, Georgia, Illinois, Indiana, Iowa, Louisiana, Minnesota, Montana, New England (all six states included) Pennsylvania, South Dakota, Tennessee, Texas, 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

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STS Winners Are Selected

		ARIZONA
<i>Phoenix</i>	McKinney, Alice 16	North Phoenix H. S.
		CALIFORNIA
<i>Beverly Hills</i>	Rosen, Victor Joseph, Jr. 16	Beverly Hills H. S.
<i>Pasadena</i>	Fuchs, Ronald 18	John Muir College H. S.
		CONNECTICUT
<i>Seymour</i>	Tift, William Grant 17	Seymour H. S.
		IDAHO
<i>Kellogg</i>	Elliott, Noel Penney 18	Kellogg H. S.
		INDIANA
<i>Gary</i>	Finegan, Joel Dean 18	Horace Mann H. S.
		MASSACHUSETTS
<i>Dorchester</i>	McPortland, Winifred 18	Mrs. Ryan Memorial H. S.
		NEW JERSEY
<i>Jersey City</i>	Krongelb, Sol 17	Henry Snyder H. S.
		NEW YORK
<i>Albany</i>	Beaver, William Thomas 17	The Albany Academy
<i>Brooklyn</i>	Rosler, Lawrence 15	Brooklyn Technical H. S.
	Wasserman, Edel 17	Brooklyn Technical H. S.
	Korenman, Stanley George 17	Abraham Lincoln H. S.
	Siegel, Jerome 16	Abraham Lincoln H. S.
	Zeidenberg, Phillip 17	Abraham Lincoln H. S.
	Lubell, David 17	Midwood H. S.
	Gordon, Malcolm Stephen 16	New Utrecht H. S.
	Steiner, Lisa Amelia 16	Forest Hills H. S.
<i>Forest Hills</i>	Markoff, Nicholas George 15	Huntington H. S.
<i>Huntington</i>	Warren, Alice Janet 16	Ithaca H. S.
<i>Ithaca</i>	Detenbeck, Robert Warren 16	Kenmore Senior H. S.
<i>Kenmore</i>	Malone, Dennis Philip 17	Kenmore Senior H. S.
	Feinberg, Gerald 16	Bronx H. S. of Science
<i>New York</i>	Glashow, Sheldon Lee 17	Bronx H. S. of Science
	Jackson, Cynthia Betty 17	H. S. of Music and Art
	Sternberg, Saul Herbert 16	H. S. of Music and Art
	Jackson, Patricia Alice 17	Hunter College H. S.
	Cohen, Paul J. 15	Stuyvesant H. S.
	Lubkin, Elihu 16	Stuyvesant H. S.
	Posner, Edward Charles 16	Stuyvesant H. S.
	Sussman, Alan 16	Stuyvesant H. S.
<i>Utica</i>	Taylor, Lenore Yvonne 17	Utica Free Academy
		OHIO
<i>Cincinnati</i>	Martin, Donn Robert 17	Mariemont H. S.
<i>Sylvania</i>	Rippon, John Willard 17	Burnham H. S.
		OREGON
<i>Portland</i>	Franchere, Julie Victoire 16	St. Helen's Hall
<i>Springfield</i>	Reeves, William John, Jr. 17	Springfield H. S.
		PENNSYLVANIA
<i>Philadelphia</i>	Wyeth, Cynthia Walton 16	Springfield Twp. H. S.
		RHODE ISLAND
<i>Woonsocket</i>	Wawzskiewicz, Edward John 16	Mt. Saint Charles Academy
		SOUTH DAKOTA
<i>Kimball</i>	Piskule, Donald Frank 18	Kimball Consolidated H. S.
		TENNESSEE
<i>Oak Ridge</i>	McCormick, Donald Bruce 17	Oak Ridge H. S.
		WASHINGTON
<i>Deming</i>	Gunter, William Dayle, Jr. 18	Mt. Baker H. S.

Electric Corporation, for the purpose of promoting education and science.

Science Clubs of America, administered by Science Service, is the international organization for science groups, in schools and out. Today more than 15,000 clubs are affiliated here and abroad, with a membership of more than one-third of a million young people.

Science Service is the non-profit institution for the popularization of science, with trustees nominated by the National Academy of Sciences, National Research Council and the American Association for the Advance-

ment of Science, the E. W. Scripps Estate and the journalistic profession.

The judges of the Science Talent Search are: Dr. Harlow Shapley, director of the Harvard College Observatory and president of Science Service; Dr. Harold A. Edgerton, vice president, Richardson, Bellows, Henry & Co., and Dr. Stuart Henderson Britt, director of personnel, McCann-Erickson, Inc., both psychologists of New York City; 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.