

Rules and Regulations

THE ELEVENTH ANNUAL SCIENCE TALENT SEARCH CONDUCTED BY
SCIENCE CLUBS OF AMERICA, FOR THE WESTINGHOUSE SCIENCE SCHOLARSHIPS

ELIGIBILITY

Any boy or girl who is in his last year in an accredited secondary school (public, private, parochial) in continental United States, who is expected by the certifying school official to complete college entrance qualifications before October 1, 1952, and who has not competed in any previous Science Talent Search is eligible to enter this competition.

Age—There are no age limits in this competition.

Science Clubs of America—It is not necessary to be a member of Science Clubs of America to enter this competition, although creative activity in a science club will aid a contestant's record.

REQUIREMENTS

Each completed entry in the Science Talent Search must consist of these three:

1. A completed science aptitude examination, certified by student and teacher.
2. A personal data blank and secondary school record, filled out by the teachers and principal.
3. A report of about 1,000 words on "My Scientific Project," by the student. It should tell what the contestant is doing or plans to do in science in the way of experimentation or other research activity. It should be original, creative and interpretative in character.

Science Talent Search science aptitude examinations and personal data—secondary school record blanks are furnished free of charge to any school official who requests them and who pledges to administer them in accordance with instructions.

Each contestant must take the Science Talent Search examination administered in his school on or after Monday, December 10, 1951.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N.W., Washington 6, D. C., not later than midnight, Thursday, December 27, 1951.

AWARDS

Forty contestants with highest talent as judged by a judging committee on the basis of Science Talent Search examination, scholastic and personal records, reports and any other information assembled by the judges, will be awarded invitations to the Science Talent Institute and all-expense trips (transportation, hotel and other arranged expenses paid) to the place the Institute is to be held, and return. It is planned to hold the Science Talent Institute Feb. 28-March 3, 1952, at Washington, D. C., unless in the judgment of Science Service it should be held elsewhere or at another time. All contestants invited to the Science Talent Institute will receive the Gold Emblem of Science Clubs of America.

One contestant coming to the Science Talent Institute will be selected by a board of judges to receive a four-year Westinghouse Grand Science Scholarship of \$2,800 (\$700 per year). An alternate will be named.

Another contestant coming to the Science Talent Institute will be selected by a board of judges to receive a four-year Westinghouse Grand Science Scholarship of \$2,000 (\$500 per year). An alternate will be named.

Eight additional contestants coming to the Science Talent Institute will be selected by a board of judges to receive four-year Westinghouse Scholarships of \$400 each (\$100 per year). Three alternates will be named.

Additional Westinghouse Scholarship awards totaling \$3,000 will be awarded at the discretion of the judges.

Honorable mentions will be awarded.

Committees of judges designated by Science Service will judge the contest, and the decision of these judges shall be final in all cases.

Conditions of Scholarships

Each scholarship may be applied toward a course in science or engineering at a degree-granting institution of higher education selected by the winner and approved by a Scholarship Committee named by Science Service. Science and engineering courses that may be pursued are those encompassed in the fields of activity of the National Academy of Sciences and the National Research Council.

Should any winner be unable for any reason to enter upon the use of a scholarship, the highest ranking alternate named by the judges shall become entitled to receive it under the same conditions as applicable to the original winner and the original winner shall thereupon have no further rights in the scholarship.

The use of a scholarship shall begin within a year of date of award.

One-half of each year's scholarship will be paid at the time of entering upon each year's college work and one-half at the middle of each collegiate year, but payments may be accelerated at the discretion of the Scholarship Committee.

In the event that the holder withdraws from collegiate work, or if continued use of the scholarship award is disapproved by the Scholarship Committee upon report from the college that progress is deemed unsatisfactory to the college, the right of the scholarship holder to receive any further payments shall be forthwith terminated.

The approval or disapproval and decision of the Scholarship Committee shall in all its respects be final.

THE WINNERS AND HONORABLE MENTIONS IN THE ELEVENTH ANNUAL SCIENCE TALENT SEARCH

SCIENCE CLUBS OF AMERICA

SCA
1719 N STREET NW • WASHINGTON 6 DC

DEDICATED TO THE DEVELOPMENT OF SCIENCE TALENT
ADMINISTERED BY SCIENCE SERVICE the Institution for
the Popularization of Science WATSON DAVIS, DIRECTOR



FILE COPY

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THE ANNUAL SCIENCE TALENT SEARCH

Never before has the world had greater need of the investigative turn of mind, the inquiring attitude and the love of fact that is exemplified in scientific research.

Science is important in defense of our freedom and the preservation of our way of life.

The Science Talent Search has succeeded far beyond our hopes. To the top 300 contestants in each of the first ten years there have come many thousands of dollars in scholarships from colleges and universities throughout the nation, supplementing the Westinghouse Science Scholarships distributed among those who were invited and came to Washington.

With approval from the educational world and with the winners of the first ten Science Talent Searches making creditable records in colleges and universities, this attempt at picking those with research ability in science has become an institution and a tradition. Those selected in such rigorous competition have a great responsibility.

In a real sense the annual Science Talent Search is more than a scholarship contest. It is a major step toward making scientific talent available in important tasks in our civilization.

The participation of a great industrial organization in the financing of the annual Science Talent Search is a notable contribution to the advancement of science in America. This activity can be considered a support of "pure research" of importance equal to the fundamental researches in the Westinghouse Research Laboratories. Science and education are grateful for the financial support of the first eleven Science Talent Searches by the Westinghouse Educational Foundation, an organization endowed by the Westinghouse Electric Corporation for the promotion of education and science.

Science Service, engaged in the interpretation and popularization of science on a broad front, is proud of administering, through Science Clubs of America, the annual Science Talent Search. From the newspapers, educators and scientists of America there has been enthusiastic cooperation in this annual activity that means so much to high school seniors interested in science. The Science Talent Search is a continuing opportunity and responsibility of the more than 15,000 science clubs and one-third of a million members affiliated with Science Clubs of America.

THE ELEVENTH ANNUAL SCIENCE TALENT SEARCH

Three hundred boys and girls, who are believed to have unusual potential scientific ability, have been selected from the 1952 senior classes of United States secondary schools and have been awarded honors in the Eleventh Annual Science Talent Search.

Designed to discover and develop scientific ability among high school seniors, the Science Talent Search is conducted annually for the Westinghouse Science Scholarships by Science Clubs of America, administered by Science Service, 1719 N St., N.W., Washington 6, D.C.

Nine girls and 31 boys (proportion determined by ratio of boys and girls entering the contest) are being invited to Washington, D.C., for an all-expense trip February 28 through March 3, 1952, to attend the Science Talent Institute. Here one boy or girl will be awarded the \$2,800 Westinghouse Grand Science Scholarship. Other scholarships, bringing the total to \$11,000, will range from \$100 to \$2,000. They will be awarded at the discretion of the judges.

WASHINGTON TRIP WINNERS

* indicates girls
H.S. indicates High School

HOME ADDRESS follows name of school
AGE of winner follows name

ARIZONA

Phoenix *Eddings, Charlotte Ann 16 North Phoenix H.S. 44 W. Georgia Ave.
Tucson Bideaux, Richard August 16 Tucson Senior H.S. 2521 E. 8th St.

CALIFORNIA

Los Angeles Messinger, Paul Hilton 18 Susan Miller Dorsey H.S. 5423 Harcourt Ave. 43
Epstein, Eugene Ethan 17 Hollywood H.S. 1914 N. Curson Ave. 46
Riverside Richards, Paul Linford 17 Riverside Polytechnic H.S. 4455 Fifth St.

CONNECTICUT

Greenwich Finch, Hardy Rundell, III 17 Greenwich H.S. 11 Lockwood Lane, Riverside

DISTRICT OF COLUMBIA

Washington Hooker, William Weston 17 Anacostia H.S. 3385 Highview Terrace, S.E. 20

GEORGIA

Atlanta Griswold, Ralph Edward 17 Northside H.S. 4791 Powers Ferry Road, N.W.

ILLINOIS

Edwardsville Dietrich, Charles William 17 Edwardsville H.S. 1011 Minnesota Ave.
Evanston Muench, Karl Hugo 17 Evanston Township H.S. 519 Greenwood St.
Skokie Klevay, Leslie Michael, Jr. 17 Niles Township H.S. 8109 Laramie Ave.
Urbana Potthoff, Robert Edward 15 University H.S. 608 Delaware St.

INDIANA

Bloomington Noyes, Russell, Jr. 17 University H.S. 831 S. High St.
Connersville *Dawson, Mary Ann 17 Connersville Senior H.S. 2147 Virginia Ave.

MASSACHUSETTS

Andover Luhrmann, George William, Jr. 17 Phillips Academy
Blue Anchor Road, Cedar Brook, N.J.
Springfield Hobbie, Russell Klyver 17 Technical H.S. 82 Mapledell St. 9

MONTANA

Livingston *Allen, Patricia Joan 17 Park County H.S. Box 517

NEBRASKA

Omaha Blanchard, Byron Elbert 16 Central H.S. 5514 Marcy St. 6
Papadakis, Emmanuel Philippos 17 Central H.S. 2774 Burt St. 2

NEW JERSEY

New Brunswick Hartmann, Harry Rodney 17 New Brunswick H.S. 15 Lawrence St., Milltown
Princeton Braden, Robert Taylor 18 Princeton H.S. Littlebrook Road

NEW YORK

Brooklyn Lieberman, Philip 17 Abraham Lincoln H.S. 2816 Cortland St. 24
*Shimansky, Judith Martha 16 James Madison H.S. 1656 E. 12th St. 29
Berne, Joel Edward 17 Midwood H.S. 860 E. 15th St. 30
Far Rockaway Colman, Robert Wolf 16 Far Rockaway H.S. 309 Beach 143 St., Neponsit
Forest Hills *Laufer, Wilma Phyllis 17 Forest Hills H.S. 92-10 68th Ave.
Weiss, Bernard 15 Forest Hills H.S. 65-44 110th St. 75
Mount Vernon *Beck, Alice Eve 17 A. B. Davis H.S. 346 Egmont Ave.

New Rochelle Forman, Paul Frederick 17 New Rochelle H.S. 106 Petersville Rd.
 Mitchell, Dana D. 18 New Rochelle H.S. 99 Hill St.
 New York Dolen, Richard 16 Bronx H.S. of Science 1710 Montgomery Ave. 53
 Raudsep, Ilmar 18 Stuyvesant H.S. 1125 Wyatt St. 60
 *Schmir, Louise 16 Taft H.S. 1755 Weeks Ave. 57
 Oceanside Seaman, John Robert 15 Oceanside H.S. 99 Park Ave., Baldwin
 Poughkeepsie *Boat, Mary Barbara 18 Poughkeepsie H. S. 5 Mitchell Ave.
 Rochester McLeod, Donald Wingrove 16 John Marshall H.S. 1549 Ridge Road West 13
 Goldstein, David Arthur 17 Monroe H.S. 51 Argyle St. 7
 Schenectady Armstrong, John Allan 17 Mont Pleasant H.S. 1121 Willett St. 3
 Smith, David Young 17 Mont Pleasant H.S. 970 State St. 7

VIRGINIA

Norfolk *Harrell, Ruth Flinn 18 Maury H.S. 6411 Powhatan Ave.

The trip winners are 15 to 18 years of age and come from 30 cities in 12 states and the District of Columbia. They were picked by the judges from among 14,886 contestants of whom 2,114 completed their entries by taking a science aptitude examination, obtaining recommendations and writing a report on "My Scientific Project." Entries were received from every state.

About 63% of the 40 Eleventh Annual Science Talent Search winners ranked first, second, or third in their graduating classes. Most of the winners are members of science clubs and many of them are club presidents, or other officers. Most of their clubs are affiliated with Science Clubs of America.

Girls accounted for 22% of the entries this year, in comparison with 25% last year.

ELEVENTH ANNUAL SCIENCE TALENT SEARCH HONORABLE MENTIONS

In addition to the 40 chosen to come to Washington, 260 students have such promise that the judges recommended that they be awarded Honorable Mention in the Eleventh Annual Science Talent Search and their ranking be brought to public attention and, particularly, that colleges and universities be informed.

All boys and girls awarded Honorable Mention, as well as the Washington trip winners of the Eleventh Annual Science Talent Search, are considered so outstanding that any institution of higher learning would be justified in considering their abilities carefully.

Dr. Harold A. Edgerton, who, with Dr. Stuart H. Britt, developed and carried out the selection technique, declares that "all of the Honorable Mentions as well as the trip winners, represent a group of high school seniors of outstanding ability whose high school records indicate that they are top-notch producers. Their activities and interests reflect an active interest in some field of science."

Of the Honorable Mentions in the Eleventh Annual Science Talent Search, 39% of the boys and 53% of the girls were first, second or third in their high school classes. All of the boys and girls have studied science and/or mathematics for four years or more in high school. All have participated in a wide variety of extra-curricular activities and hobbies. Among the 260 who won Honorable Mention, 78 belong to Science Clubs of America. The proportion of boys and girls in this list is determined by the ratio of boys and girls entering the contest. Listed are 57 girls and 203 boys.

HONORABLE MENTIONS

* indicates girls
 H.S. indicates High School
 HOME ADDRESS follows name of school
 AGE of winner follows name

ARIZONA

Florence Truman, William St. Clair 17 Florence Union H.S. Box 795, Florence
 Phoenix Cook, Charles James 18 North Phoenix H.S. 2214 N. 9th St.
 Thomas, Herschell Stephens 17 North Phoenix H.S. 534 W. Cypress St.
 Tucson Ballantyne, Joseph Merrill 17 Tucson Senior H.S. 621 N. Norris Ave.
 Jones, Charles Earl, Jr. 17 Tucson Senior H.S. 431 S. Alvernon Way, Apt. 96
 *Meads, Elizabeth Jane 18 Tucson Senior H.S. 5681 E. 21st St.

ARKANSAS

N. Little Rock *Rayburn, Helen Marina 17 N. Little Rock H.S. 2501 Ark-Mo Highway

CALIFORNIA

Anderson Coker, Earl Howard 17 Anderson Union H.S. Box 160, Cottonwood
 Bakersfield Hall, Harold Robert 17 Bakersfield H.S. 128 Decatur St., Oildale
 Hughes, Gene Raymond 16 Bakersfield H.S. 8929 Rosedale Highway
 McCuen, Peter Allen 16 Bakersfield H.S. 2920 20th St.
 Berkeley Humphrey, William Edwin 17 Berkeley H.S. 2343 Spaulding Ave. 3
 McMorris, John Allen 16 Berkeley H.S. 229 MacArthur Blvd., Oakland 10
 Tarski, Jan Andrew 17 Berkeley H.S. 1001 Cragmont Ave. 8
 Coronado Moss, Larry Edwin 17 Coronado H.S. 776 F Ave. 18
 Escondido Hutchinson, Walter Harold 17 Escondido Union H.S. 759 W. 6th Ave.
 Fresno Mead, Carver Andress 17 Fresno H.S. 2921 Van Ness Blvd.
 Glendale Imus, Henry Oscar, Jr. 17 Glendale H.S. 3180 Vista Del Mar 8
 Hahne, Gerhard Ernest 17 Herbert Hoover H.S. 817 Alma St. 2
 Stockham, Terry Lee 17 Herbert Hoover H.S. 336 W. Colorado St. 4
 Hollister *Harris, Martha Louise 16 San Benito County H.S. Cienega Star Route
 La Jolla *Baer, Marjorie Ruth 17 The Bishop's School 369 Mesa Way
 Los Angeles Wann, Ronald Dean 17 Susan Miller Dorsey H.S. 2746 Alsace Ave. 16
 Albright, Norman Webster 17 Eagle Rock H.S. 6167 Ruby Place 42
 Orbach, Raymond Lee 17 Fairfax H.S. 732 N. Sycamore Ave. 38
 Tansey, David 17 Los Angeles H.S. 6118 Del Valle Drive 48
 Borchard, Rudolph Albert 16 Loyola H.S. 2267 Allesandro St. 39
 Modesto Kraut, Edgar Alvin 17 Theodore Roosevelt H.S. 831 N. Bonnie Beach Place 33
 Caputi, Arthur 16 Modesto H.S. 511 Vine St.
 Crawford, Richard Davis 17 Modesto H.S. 502 Auburn St.
 *Morrison, Diane Marie 17 Modesto H.S. 1405 11th St.
 Oakland Lawton, Richard Graham 17 Technical H.S. 6120 Hillegass Ave. 9
 Ontario Parmerter, Robert Reid 16 Chaffey Union H.S. 472 E. Foothill Blvd., Fontana
 Paso Robles Bower, Gerald Shelton 16 Paso Robles Union H.S. 502 4th St.
 Sacramento Purves, William Kirkwood, Jr. 17 C.K. McClatchy Sr. H.S. 2800 14th St. 18
 San Diego Hale, Frank Edward, Jr. 17 Point Loma H.S. 4005 Santa Cruz Ave. 7
 San Francisco Fong, Paul 18 Lowell H.S. 1555 Jackson St. 9
 Hutchins, John Byers 16 Lowell H.S. 600 Main St., Sausalito
 Tujunga Linstrom, Loren Ross 17 Verdugo Hills H.S. 3156 El Caminito St., La Crescenta

COLORADO

Denver Hall, John Lewis 17 South H.S. 1171 S. University St. 10
 Englewood Gaze, Ralph Harrison 16 Englewood H.S. 4437 S. Broadway
 Windsor Hall, William Joseph 17 Windsor H.S. Route 1, Box 95, Windsor

CONNECTICUT

Greenwich Wagner, Andrew James 17 Greenwich H.S. 10 Ridge St.
 Milford *Creighton, Jacqueline Kathleen 17 Luralton Hall 460 Housatonic Dr., Devon
 *Fitzgerald, Mary Ellen 17 Luralton Hall 110 Columbia Blvd., Waterbury 30
 *Higgins, Anne Mary 17 Luralton Hall 235 Plains Rd.

New Haven *Sullivan, Sheila Jane 17 Lauralton Hall 29 Westwood Rd., New Haven 15
 Mermin, Nathaniel David 16 Hillhouse H.S. 39 Birch Drive 15
 Post, Jerrold Martin 18 Hillhouse H.S. 110 Hemlock Rd. 15

FLORIDA

Tampa Beach, Robert Raphael 17 Hillsborough H.S. 324 Rio Vista Court 4

GEORGIA

Atlanta *Gaissert, June Elaine 17 Brown H.S. 880 Westmont Rd., S.W.
 Macon Brubaker, Leonard Hathaway 17 Lanier Sr. H.S. 259 Belvedere Dr.
 Clark, Gilliam, Jr. 17 Lanier Sr. H.S. 174 Parkwood Ave.

IDAHO

Montpelier Clark, Glenn Willett 16 Montpelier H.S. Georgetown

ILLINOIS

Arlington Hgts. *Jung, Erica Elinore 17 Arlington Heights Township H.S. 710 N. Ridge Ave.
 Chicago Anderson, Walter Ivar 17 Calumet H.S. 9233 S. Green St. 20
 Cicero Herout, Richard Charles 17 J. Sterling Morton H.S.
 1638 S. Harvey Ave., Berwyn
 Des Plaines Bjorken, James Daniel 17 Maine Township H.S. 705 S. Delphia Ave., Pk.Ridge
 E. St. Louis *Ortgier, Dolores Ruth 18 E. St. Louis Sr. H.S. 514 N. 27th St.
 Evanston DeCamp, Richard Edwin 17 Evanston Township H.S. 1226 Harvard Terrace
 Granite City Deatherage, Leslie Everett 17 Granite Senior H.S. Route 1 Box 1014, G. City
 La Grange Ryba, Earle Richard 17 Lyons Township H.S. 12312 S. 74th Ave., Palos Hgts.
 Monmouth Frisbie, Ralph Jay 17 Monmouth H.S. 212 S. 10th St.
 Pontiac Wallingford, Clarence Robert 17 Pontiac Township H.S. 915 Bell Ave.
 Rock Island Hause, Arthur Dickson 17 Rock Island Senior H.S. 1620 21st St.
 Vandalia Lauritzen, Peter Owen 16 Rock Island Senior H.S. 830 43rd St.
 Hill, Henry David 18 Vandalia Community H.S. R.F.D. 1, Vandalia
 Vandalia Hill, Henry David 18 Vandalia Community H.S. R.F.D. 2, Fillmore

INDIANA

Culver Cox, Joseph Robert 17 Culver Military Academy Darlington
 Starbuck, William Haynes 17 Culver Military Academy
 504 East Race Street, Portland
 Evansville Eykamp, George Richard 17 Benjamin Bosse H.S. 1101 Bonnie View Drive 14
 Hopkins, Mark Robert 17 Benjamin Bosse H.S. 2813 E. Gum St. 14
 Fort Wayne *McFarlin, Arlene Marie 18 Central Catholic H.S. 2525 Lynn Ave. 3
 Marion Shields, James Edwin 17 Marion H.S. 503 W. 6th St.
 Nappanee Metzler, Robert Eldredge 17 Nappanee H.S. Route 2 Nappanee
 S. Whitley Fleck, George Morrison 17 South Whitley H.S. 211 Poplar St.

IOWA

Charles City Winkelman, Ronald John 17 Charles City H.S. 97 1/2 North Main St.
 Dubuque *Doherty, Barbara Rose 17 St. Joseph Academy 2707 Elm St.
 Iowa City Berg, Howard Curtis 17 University H.S. 528 N. Dubuque St.
 Waterloo Mast, Robert Frederick 17 West H.S. 403 Sunset Road

KANSAS

Merriam Short, James Maurice 17 Shawnee-Mission H.S.
 5144 Clark Drive, Kansas City 3

KENTUCKY

Millersburg Layson, Billy Mac 17 Millersburg Military Institute Main St.

MAINE

Augusta Barker, Daniel Stephen 17 Cony H.S. Jefferson Camp, North Whitefield
 Portland Tuttle, William Charles 18 Deering H.S. 19 Kenneth St. 5

MASSACHUSETTS

Cambridge Winterson, George Frederick 15 Matignon H.S. 27 York Rd., Winchester

Newton *Moriarty, Sheila Kathleen 17 Presentation H.S. 49 Pembroke St. 58
 *Moynihan, Julieanne Marie 16 Presentation H.S.

Newtonville Rotenberg, Michael Jon 16 Newton H.S. 20 Wachusett Rd., Chestnut Hill 67
 Plymouth *Griffith, Marilyn 17 Plymouth H.S. Wareham St., South Carver
 Roxbury *McPhall, Ann Mary 17 H.S. of Practical Arts 23 Follen St., Boston
 Swansea Jackson, Oliver Howard, III 17 Joseph Case H.S. 312 Pearse Road
 Watertown McEwen, Robert Barlow 17 Joseph Case H.S. 544 Milford Road
 *Mathews, Micheline Mary 17 Mt. Trinity Academy
 59 Fayerweather St., Cambridge 38

MICHIGAN

Detroit Gerber, Carl Joseph 17 St. Theresa H.S. 9769 Petoskey St. 4
 Flint Carrell, Sanford Goodwin 17 Flint Central H.S. 1222 Cleveland Ave. 3
 Hamtramck Rarogiewicz, Lucian Walter 17 Hamtramck H.S. 2688 Whalen St. 12
 Lansing Hodges, Ronald William 17 J.W. Sexton H.S. 1123 Theodore St. 15
 Mt. Clemens Whipple, Kenneth, Jr. 17 Mount Clemens H.S. 620 Esplanade Drive

MINNESOTA

Cloquet Johnson, Robert Clarence 17 Cloquet H.S. 442 18th St.
 Hinckley *Reinhold, Barbara Florence 18 Hinckley H.S.
 Ivanhoe Lietz, Dennis Eugene 17 Ivanhoe Public School
 St. Paul Cotton, Lawrence Robert 18 Harding H.S. 1005 Wilson Ave. 6
 South St. Paul Roiseland, Donald Scott 17 South St. Paul H.S. 123 5th Ave., South
 Winona Bauer, James Bruce 17 Winona Senior H.S. 4115 7th St.
 Mathot, Eugene Frederick 17 Winona Senior H.S. 628 W. 7th St.

MISSOURI

Jackson O'Connor, Rodney Jay 17 Jackson H.S. 511 Hope St.
 Lebanon O'Dell, Stanley E. 17 Lebanon H.S. 145 Pearl St.
 St. Louis Hutton, Robert Alan 17 Christian Brothers H.S. 5663 Bartmer Ave. 12
 Cook, William Henry 17 Normandy H.S. 14 Bellerive Acres 21
 Malison, Robert Francis 17 Normandy H.S. 5308 Bermuda St. 21

MONTANA

Butte Scott, Donald Lawrence 17 Butte H.S. 221 N. Clark Ave.
 Great Falls Bailey, James Judson 17 Great Falls H.S. 21 26th St., South
 Livingston Cowan, Gary Lawrence 17 Park County H.S. 825 W. Callender St.
 *Johnston, Joanne Marie 17 Park County H.S. 111 S. 6th St.
 *Keto, Bertha Amelia 17 Park County H.S. 128 S. Yellowstone St.
 Missoula Browman, Andrew Arnold 16 Missoula County H.S. 664 S. 6th St., East
 Shelby Wilcox, Walter Jerome 17 Shelby H.S. Box 453, Shelby

NEBRASKA

Holbrook Wilson, Neal Ernest 16 Holbrook H.S.
 Lincoln Allington, Robert William 16 Northeast H.S. 1125 Idylwild 3
 Pawnee City Hoffman, Jerome Allan 16 Pawnee City H.S.

NEW HAMPSHIRE

Keene *Cohen, Margolia Neidra 17 Keene H.S. 16 Wheelock St.
 Nashua Kudzma, Thomas George 17 Nashua H.S. 31 Grand Ave.
 Wilton Blackmer, John Reed 17 High Mowing School
 42 Quincy St., Cambridge 38, Mass.

NEW JERSEY

Garfield *Youhas, Mary Anna Annunciata 15 Garfield H.S. 5 Semel Ave.
 Morristown Many, Francis Vincent 17 Morristown H.S. R.F.D. Old Mill Road, Chester
 New Brunswick LeGoff, Eugene 17 New Brunswick H.S. Box 335, Milltown
 Rutherford Mann, William Carlton 17 Rutherford H.S. 129 Mortimer Ave.
 Teaneck Dunne, Gilbert Michael, Jr. 17 Teaneck H.S. 288 Beech St.
 Gille, John Charles 17 Teaneck H.S. 200 Griggs Ave.

NEW MEXICO

Santa Fe Daybell, Melvin Drew 16 Santa Fe H.S. Box 11, Tesuque

NEW YORK

Albany *Siegal, Ellen Jane 17 Milne School 111 S. Pine Ave. 8
Bellmore Alexander, Peter 16 Wellington C. Mephram H.S. 397 Frankel Blvd., Merrick
Brooklyn Fox, Martin Leon 16 Boys H.S. 1546 St. Johns Place 13
Baym, Gordon Alan 16 Brooklyn Technical H.S. 375 Lincoln Place 17
Goldberger, Harvey Lawrence 17 Brooklyn Technical H.S.
2991 Brighton 13 St. 35

Platzman, Philip Moss 16 Brooklyn Technical H.S. 1611 56th St. 4
Trust, Martin 17 Brooklyn Technical H.S. 81 Grafton St. 12
Turin, Michael A. 17 Brooklyn Technical H.S. 982 E. 28th St. 10
*Barr, Sarah Hope 16 Erasmus Hall H.S. 669 E. 2nd St. 18
Davidoff, Robert Alan 17 Erasmus Hall H.S. 201 Linden Blvd. 26
*Reif, Liana 17 Erasmus Hall H.S. 1092 President St. 25
Schwartz, Elias 16 Erasmus Hall H.S. 4111 Church Ave. 3
Fagin, Gerald David 15 Lafayette H.S. 2036 Cropsey Ave. 14
Vincow, Gershon 16 Abraham Lincoln H.S. 3030 Brighton 12 St. 35
Goodman, Warren Harvey 16 Abraham Lincoln H.S. 125 Corbin Place 35
Kirschner, Marvin Abraham 16 Abraham Lincoln H.S. 2872 W. 33rd St. 24
Kessner, Norman Seymour 17 James Madison H.S. 2361 Coney Island Ave. 23
Anderson, Robert Eric 17 Midwood H.S. 1309 E. 4th St. 30
Levien, Roger Eli 16 Midwood H.S. 1442 E. 18th St. 30
Nathanson, Donald Lawrence 15 Midwood H.S. 1110 Ocean Ave. 30
*Eisenberg, Marcia Julie 16 S. J. Tilden H.S. 1088 Lenox Road 12
Goldenberg, Jerry 17 S. J. Tilden H.S. 9024 Avenue A 36
Kammin, Edwin Richard 16 S. J. Tilden H.S. 720 E. 48th St. 3
Urdang, Elliott Burt 16 S. J. Tilden H.S. 854 Utica Ave. 3
Vasilion, Peter 16 South Park H.S. 25 Seneca Parkside 10
Minckler, Gates Markham III 17 Canandaigua Academy R.D. 2
Corning Magee, Edgar Eugene, Jr. 17 Northside H.S. 140 W. Pulteney St.
Croton-on-Hudson

*Gode-von Aesch, Anna Hanna 17 Croton-Harmon H.S. Finney Farm
Dunkirk *Korzeniewski, Frances Agnes Michalena 16 Dunkirk H.S.
R.F.D. 2, Franklin Ave.

Elmhurst Perlman, David Eric 17 Newtown H.S. 90-31 Whitney Ave. 73
Endicott Granger, Edward Maurice 17 Union-Endicott H.S. 104 Mechanic Ave.
Far Rockaway Lowitt, Saul 17 Far Rockaway H.S. 175 Beach 68 St., Arverne
Schuster, David Israel 16 Far Rockaway H.S. 1223 Beach 27 St.
Forest Hills Ettinger, Philip Owen 15 Forest Hills H.S.

62-17 Cromwell Crescent, Rego Park 74

*Feinstein, Judith 16 Forest Hills H.S. 102-46 63rd Ave.
Gray, Philip D. 17 Forest Hills H.S. 78-15 138th St., Flushing 67
*Katzman, Marcia Harriet 17 Forest Hills H.S. 94-09 68th Ave. 75
Morrison, Albert Jaynes 17 Forest Hills H.S. 660 W. 180th St. New York 33
Moss, Laurence Ira 16 Forest Hills H.S. 110-48 70th Ave. 75
Pinson, Elliot Neil 16 Forest Hills H.S. 67-70 Yellowstone Blvd. 75
Sibner, Robert Jules 16 Forest Hills H.S. 68-38 Yellowstone Blvd. 75
*Teitler, Ann Eleanor 16 Forest Hills H.S. 119-02 83rd Ave., Kew Gardens 15
Winton, Joel Jacob 16 Forest Hills H.S. 138-14 78th Drive, Flushing
Young, Arnold Irwin 16 Forest Hills H.S. 69-56 136th St., Flushing 67
*Wakeman, Susan Shaw 17 Garden City H.S. 166 Roxbury Road

Garden City Goodman, Henry Maurice 17 Glen Cove H.S. 46 Landing Road
Glen Cove Roberts, Richard William 17 Kenmore Senior H.S. 65 Harrison Ave. 23
Kenmore *Blye, Rosalie 16 Wm. Cullen Bryant H.S. 35-35 75th St., Jackson Heights 72
Long Island City Stasheff, James Dillon 16 A. B. Davis H.S. 111 Beekman Ave.
Mt. Vernon Marshall, Stephen 16 A. B. Davis H.S. 20 Lexington Ave.

New Rochelle *Fried, Ruth Gertrude 17 New Rochelle H.S. 2 Elizabeth Road
Weinstein, Iram Jason 15 New Rochelle H.S. 70 French Ridge
New York Abeles, Ernest Dennis 16 Bronx H.S. of Science 452 Ft. Washington Ave. 33
Blaufox, Morton Donald 17 Bronx H.S. of Science 1439 East Ave. 62
Brandt, Peter Wolfgang 17 Bronx H.S. of Science 65 Wadsworth Terrace 33

*Fried, Suzanne Lois 16 Bronx H.S. of Science 570 Ft. Washington Ave. 33
Gottschalk, Bernard 17 Bronx H.S. of Science 186 Pinehurst Ave. 33
Miller, Irving Franklin 17 Bronx H.S. of Science 1780 Bryant Ave. 60
*Schwack, Judith 16 Bronx H.S. of Science 1117 Manor Ave. 72
*Smith, Nora 16 Bronx H.S. of Science 5016 12th Ave. 19
Strassberg, Daniel David 16 Bronx H.S. of Science

80 Van Cortlandt Park South 63

Milstein, Noah Topaz 17 H.S. of Music and Art 99-22 64th Ave., Rego Park
*Solow, Harriette Rima 16 H.S. of Music and Art 526 E. 51st St., Brooklyn 3
Verter, Herbert Sigmund 16 James Monroe H.S. 1562 Vyse Ave. 60
Berman, Simeon Moses 16 Ramaz H.S. 790 Westminster Rd., Brooklyn 30
Bernstein, Bernard Robert 17 Stuyvesant H.S. 163 Scholes St., Brooklyn 6
Bernstein, Harris 17 Stuyvesant H.S. 275 E. 94th St., Brooklyn 12
Feinleib, Manning 16 Stuyvesant H.S. 9202 Avenue A, Brooklyn 36
Glaser, Edward Robert 17 Stuyvesant H.S. 273 Schaeffer St., Brooklyn 27
Goldman, Michael Paul 15 Stuyvesant H.S.

112-13 178th St., St. Albans 12

Goldstein, Elliot 17 Stuyvesant H.S. 1092 Winthrop St., Brooklyn 12
Krutchkoff, Richard Gerald 17 Stuyvesant H.S. 49 Maujer St., Brooklyn 6
Levine, Paul Hersh 16 Stuyvesant H.S. 43-08 41st St., Long Island City 4
Martin, Robert Gene 16 Stuyvesant H.S. 30-49 36th St., Long Island City 3
*Beckhardt, Carol Edith 16 William Howard Taft H.S. 1818 Andrews Ave. 53
Wohl, Martin Herman 16 William Howard Taft H.S. 1515 Grand Concourse 52
Abella, Izzie David 17 Talmudical Academy 2521 Amsterdam Ave. 33
*Batt, Ellen Rae 17 Walton H.S. 780 Grand Concourse 51
*Holmes, Mary Louise 16 Walton H.S. 1220 Shakespeare Ave. 52

Port Jefferson Yannacone, Victor John, Jr. 15 Port Jefferson H.S. 39 Baker St., Patchogue
Rockville Centre

Collette, Bruce Baden 17 South Side H.S. 14 Willets Court
Roslyn Heights Garth, John Campbell 17 Roslyn H.S. 10 Summit Ave., East Williston
St. Albans Segedy, John Joseph, Jr. 16 Andrew Jackson H.S. 111-01 204th St., Hollis 7
Salem Wirkki, Tuure Ilmari 17 Washington Academy R.F.D., Shushan
Snyder *Braunlich, Clare Ann 15 Amherst Central H.S.

49 Canterbury Court, Eggertsville 21

Syracuse Marquisee, Joseph Alfred 18 William Nottingham H.S. 738 Allen St., 10

OHIO

Archbold *Scales, Sally Ann 17 Archbold-German Township H.S. 605 N. Defiance St.
Canton Huff, Robert William, Jr. 17 McKinley H.S. 133 20th St., N.E. 4
Cincinnati Schapker, Richard Lee 17 St. Xavier H.S. 2197 Shasta Place 11
Logan Church, John Phillips 17 Logan H.S. 180 North St.

OKLAHOMA

Oklahoma City Davis, Don Ray 17 Capitol Hill H.S. 1631 S.E. 29th St. 9
Tulsa Rey, Charles Albert 17 Classen Senior H.S. 3028 N.W. 12th St. 7
Fretwell, Lyman Jefferson 17 Central H.S. 1433 S. Carson St. 14

OREGON

Gresham Midford, Thomas Arthur 17 Gresham Union H.S. Route 1, Box 857, Gresham
Klamath Falls Oliver, John Preston 17 Klamath H.S. Lakeshore Drive
Roseburg Housley, Robert Melvin 17 Roseburg Senior H.S. 1140 Union Ave.
Salem Perlich, Donald Ramon 17 Salem Senior H.S. 1540 S. Liberty St.
White, Richard Harold 17 Salem Senior H.S. 645 Gaines St.

PENNSYLVANIA

Allentown *Hebelka, Elizabeth 17 Allentown H.S. 745 N. 30th St.
Merkley, Frederick William 17 Parkland H.S. 108 E. Park Ave., Neffs
Oberly, Raymon Paul 17 Parkland H.S. Route 1, Allentown
Altoona *Brauch, Eleonore Bertha Hedwig 16 Altoona Senior H.S. 1600 Bell Ave.
*Fasick, Sylvia 17 Altoona Senior H.S. 2421 W. Chestnut Ave.
Ray, Frederic Duane 17 Altoona Senior H.S. Box 119A, R.D. 3, Altoona
Clarks Summit Schneider, Clayton Joseph, Jr. 17 Clarks Summit-Abington H.S.
312 E. Grove St., Clarks Green

Lebanon	McCarty, Richard	17	Lebanon H.S.	2308 Church St.	
Philadelphia	*Smith, Margaret Jean	17	Hallahan Catholic Girls' H.S.	2237 N. 5th St.	33
	*McLaughlin, Jeanne Marie	18	Little Flower Catholic H.S. for Girls	3465 Frankford Ave.	34
	Downing, John Lawrence	17	Northeast Catholic H.S.	1629 Creston St.	24
	*Gorski, Louise Jane	17	West Philadelphia Catholic Girls' H.S.	553 N. Creighton St.	31
Uniontown	Juras, Stanley Michael	16	South Union Township H.S.	67 Eggleston St.	
RHODE ISLAND					
Apponaug	Wedlock, Bruce Daniels	17	James T. Lockwood H.S.	154 Natick Ave., Warwick	
SOUTH DAKOTA					
Lead	Row, Horace Clark	17	Lead H.S.	131 Galena St.	
TENNESSEE					
Knoxville	Moser, Charles Arthur	17	West H.S.	1735 Martin Mill Pike	15
TEXAS					
Monahans	Dodge, Billy Gene	17	Monahans H.S.	Box 165, Monahans	
Port Arthur	McDougald, William Hugh	17	Thomas Jefferson H.S.	5048 Fifth St.	
West Columbia	Blair, Ronald Senf	18	West Columbia H.S.	710 E. Brazos St.	
VIRGINIA					
Blacksburg	Moore, John Garber	15	Blacksburg H.S.	Box 383, Blacksburg	
Fishersville	*Davis, Carol Jean	17	Wilson Memorial H.S.	Oak Hill, Route 2, Waynesboro	
	*Womble, Ruth Virginia	17	Wilson Memorial H.S.	838 Greenville Ave., Staunton	
Hampton	Jones, Carleton Haddock, Jr.	17	Hampton H.S.	101 Harbor Drive	
WASHINGTON					
Bellevue	*Karasek, Donna Marie	17	Bellevue H.S.	6530 102nd Place, N.E., Kirkland	
Olympia	*Miller, Marilyn Ruth	17	Olympia H.S.	Route 11, Box 428, Olympia	
Snohomish	Hodge, Paul William	17	Snohomish H.S.	317 Avenue B	
WEST VIRGINIA					
Charleston	Massau, Jack Lee	17	Stonewall Jackson H.S.	Sissonville Star Route, Box 89	
Morgantown	*Anderson, Louise Eleanor	17	Morgantown H.S.	720 Ridgeway Ave.	
WISCONSIN					
La Crosse	*Hardiman, Audrey Anne	17	Aquinas H.S.	1404 Market St.	
Marshfield	Schommer, Lambert Joseph	17	Columbus H.S.	R.R. 3, Box 77, Marshfield	
Racine	Kamin, George John	18	William Horlick H.S.	510 English St.	
Shorewood	Werthamer, Nathan Richard	17	Shorewood H.S.	2100 E. Edgewood Ave., Milwaukee 11	

THE BEST WAY TO KEEP INFORMED ON THE SCIENCE TALENT SEARCH IS TO BELONG TO SCIENCE CLUBS OF AMERICA

Science Clubs of America is composed of boys and girls with a hobby or career interest in science. Membership in Science Clubs of America is open to any science club (formed or about to be formed) without charge.

Each club must have an adult to act as sponsor. This person may be a science teacher, professional scientist, parent, or other adult interested in science and youth. A 64-page SCA SPONSOR HANDBOOK is sent free of charge to each sponsor for use in guiding the club.

Sponsors of clubs may receive an SCA SPONSOR HANDBOOK at no cost by sending this information to SCA: name of sponsor, position, street, city, zone and state.

STATE SCIENCE TALENT SEARCHES

Since 1946 State Science Talent Searches have been held concurrently with the national competition by special arrangement with Science Clubs of America. The organizations sponsoring State Science Talent Searches in 1952 follow with the director of each indicated.

- Arkansas: Arkansas Academy of Science
Dr. John A. Doughty, Institute of Science and Technology, University of Arkansas, Fayetteville
- **Connecticut
District of Columbia: Washington Academy of Sciences
Dr. Martin A. Mason, Dean, School of Engineering, The George Washington University, 205 Raymond St., Chevy Chase 15, Md.
- Georgia: Georgia Academy of Science
Mrs. Helen Camp Richardson, Science Teacher, Bass H.S., 1080 Euclid Ave., N.E., Atlanta
- Illinois: Illinois State Academy of Science
Dr. Frank H. Reed, State Geological Survey, Natural Resources Building, Urbana
- Indiana: Indiana Academy of Science
Mr. Ralph W. Lefler, Asst. Prof. of Physics and Education, Purdue University, Lafayette
- Iowa: Iowa Academy of Science
Dr. F. E. Brown, Professor of Chemistry, Iowa State College, Ames
- Kansas: Kansas Academy of Science
Dr. W. J. Baumgartner, Dept. of Zoology, University of Kansas (ret'd), 1209 Ohio St., Lawrence
- Louisiana: Louisiana Academy of Sciences
Dr. L. M. Harrison, Louisiana State University, Baton Rouge 3
- **Maine
- **Massachusetts
Michigan: Michigan Academy of Sciences, Arts, and Letters
Dr. C. N. McCarty, Department of Chemistry, Michigan State College, East Lansing
- Minnesota: Minnesota Academy of Science
Mr. O. A. Nelson, Asst. Principal, Wilson H.S., Albert & Lafond St., St. Paul 4
- Montana: Montana State College
Mr. Adrien L. Hess, Asst. Prof. of Mathematics, Montana State College, Bozeman
- **New Hampshire
- Pennsylvania: Pennsylvania Academy of Science
Mr. Vernon A. Zettler, Science Dept., Indiana State Teachers College, Indiana
- **Rhode Island
South Carolina: South Carolina Academy of Science
Mr. W. H. Ward, Dir., Extension Division, University of South Carolina, Columbia 1
- South Dakota: South Dakota Academy of Science
Dr. Elmer R. Johnson, Assoc. Prof. of Chemistry, South Dakota State College, Brookings
- Tennessee: Tennessee Academy of Science
Mr. James L. Major, Chemistry and Physics teacher, Clarksville H.S., Clarksville
- Texas: Texas Academy of Science
Mr. Wayne Taylor, Science Teacher, Denton H.S., Denton
- **Vermont
Virginia: Virginia Academy of Science
Dr. John E. Hocutt, Dean of Men, College of William and Mary, Williamsburg
- West Virginia: West Virginia Academy of Science
Dr. John C. Ludlum, Department of Geology, West Virginia University, Morgantown
- Wisconsin: Wisconsin Academy of Sciences, Arts, and Letters
Dr. S. F. Darling, Prof. of Chemistry, Lawrence College, Appleton

**New England (all six New England States included): New England Science Council
Dr. Fletcher G. Watson, Assoc. Prof., Graduate School of Education, Harvard University, Lawrence Hall, Kirkland St., Cambridge 38, Mass.

* * *

Those desiring information on or details of the results of State Science Talent Searches should send their inquiries to the Directors in the respective states. For a prompt reply, send a stamped, self-addressed envelope with your inquiry.

Rules and Regulations

THE ELEVENTH ANNUAL SCIENCE TALENT SEARCH CONDUCTED BY SCIENCE CLUBS OF AMERICA, FOR THE WESTINGHOUSE SCIENCE SCHOLARSHIPS

ELIGIBILITY

Any boy or girl who is in his last year in an accredited secondary school (public, private, parochial) in continental United States, who is expected by the certifying school official to complete college entrance qualifications before October 1, 1952, and who has not competed in any previous Science Talent Search is eligible to enter this competition.

Age—There are no age limits in this competition.

Science Clubs of America—It is not necessary to be a member of Science Clubs of America to enter this competition, although creative activity in a science club will aid a contestant's record.

REQUIREMENTS

Each completed entry in the Science Talent Search must consist of these three:

1. A completed science aptitude examination, certified by student and teacher.
2. A personal data blank and secondary school record, filled out by the teachers and principal.
3. A report of about 1,000 words on "My Scientific Project," by the student. It should tell what the contestant is doing or plans to do in science in the way of experimentation or other research activity. It should be original, creative and interpretative in character.

Science Talent Search science aptitude examinations and personal data—secondary school record blanks are furnished free of charge to any school official who requests them and who pledges to administer them in accordance with instructions.

Each contestant must take the Science Talent Search examination administered in his school on or after Monday, December 10, 1951.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N.W., Washington 6, D. C., not later than midnight, Thursday, December 27, 1951.

AWARDS

Forty contestants with highest talent as judged by a judging committee on the basis of Science Talent Search examination, scholastic and personal records, reports and any other information assembled by the judges, will be awarded invitations to the Science Talent Institute and all-expense trips (transportation, hotel and other arranged expenses paid) to the place the Institute is to be held, and return. It is planned to hold the Science Talent Institute Feb. 28-March 3, 1952, at Washington, D. C., unless in the judgment of Science Service it should be held elsewhere or at another time. All contestants invited to the Science Talent Institute will receive the Gold Emblem of Science Clubs of America.

One contestant coming to the Science Talent Institute will be selected by a board of judges to receive a four-year Westinghouse Grand Science Scholarship of \$2,800 (\$700 per year). An alternate will be named.

Another contestant coming to the Science Talent Institute will be selected by a board of judges to receive a four-year Westinghouse Grand Science Scholarship of \$2,000 (\$500 per year). An alternate will be named.

Eight additional contestants coming to the Science Talent Institute will be selected by a board of judges to receive four-year Westinghouse Scholarships of \$400 each (\$100 per year). Three alternates will be named.

Additional Westinghouse Scholarship awards totaling \$3,000 will be awarded at the discretion of the judges.

Honorable mentions will be awarded.

Committees of judges designated by Science Service will judge the contest, and the decision of these judges shall be final in all cases.

Conditions of Scholarships

Each scholarship may be applied toward a course in science or engineering at a degree-granting institution of higher education selected by the winner and approved by a Scholarship Committee named by Science Service. Science and engineering courses that may be pursued are those encompassed in the fields of activity of the National Academy of Sciences and the National Research Council.

Should any winner be unable for any reason to enter upon the use of a scholarship, the highest ranking alternate named by the judges shall become entitled to receive it under the same conditions as applicable to the original winner and the original winner shall thereupon have no further rights in the scholarship.

The use of a scholarship shall begin within a year of date of award.

One-half of each year's scholarship will be paid at the time of entering upon each year's college work and one-half at the middle of each collegiate year, but payments may be accelerated at the discretion of the Scholarship Committee.

In the event that the holder withdraws from collegiate work, or if continued use of the scholarship award is disapproved by the Scholarship Committee upon report from the college that progress is deemed unsatisfactory to the college, the right of the scholarship holder to receive any further payments shall be forthwith terminated.

The approval or disapproval and decision of the Scholarship Committee shall in all its respects be final.