

Rules and Regulations

THE SIXTEENTH 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 the continental United States, excluding U. S. possessions, who is expected by the certifying school official to complete college entrance qualifications before October 1, 1957, 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 3, 1956.

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, 1956.

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 March 7 to March 11, 1957, 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 the 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 16th ANNUAL *Science Talent Search*[®]



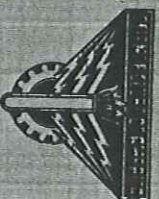
SCIENCE CLUBS OF AMERICA
Administered By Science Service
1719 N STREET N. W. ★ WASHINGTON 6, D. C.

THE WINNERS
AND HONORABLE MENTIONS

IN

THE 16th ANNUAL

Science Talent Search®



SCIENCE CLUBS OF AMERICA
Administered By Science Service
1719 N STREET N. W. * WASHINGTON 6, D. C.

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 4500 contestants in the first fifteen years have come many millions of dollars in scholarships from colleges and universities throughout the nation, sample grants to the Westinghouse Science Scholarships that have allowed those who were invited and came to Washington.

With approval from the educational world and with the winners of the first fifteen Science Talent Searches making creditable records in colleges, universities and professional positions, 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 for 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 fifteen 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 basis, is proud of administering the annual Science Talent Search. From the newspapers, editors and school districts of America there has been enthusiastic cooperation in this annual activity that means so much to high school students interested in science. The Science Talent Search is a continuing opportunity and responsibility of the more than 14,000 science clubs and one-third of a million members affiliated with Science Clubs of America.

ABOUT THE WASHINGTON TRIP WINNERS

Three hundred boys and girls, who are believed to have unusual potential scientific ability, have been selected from the 1957 senior classes of the United States secondary schools and have been awarded honors in the Sixteenth Annual Science Talent Search.

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 March 7 through March 11, 1957, to attend the Science Talent Institute. Here one boy or girl will be awarded the \$2,000 Westinghouse Grand Scholarship. Other scholars will be given the total of \$11,000, with ranges from \$100 to \$2,000. They will be awarded at the discretion of the judges.

The trip winners are 14 to 18 years of age and come from 37 states in 21 states. They were picked by the judges from among 20,145 contestants of whom 3,122 completed their reports by making a science outline examination, obtaining recommendations and writing a report on "My Scientific Project." Examination requests were received from every state.

Of the 40 Sixteenth Annual Science Talent Search winners, 50% ranked first, second, or third in their respective 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 21% of the entries this year.

Washington Trip Winners

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

ARIZONA

Phoenix Brand, Warren Louis 16 Phoenix Camelback H.S. 2435 E. Fairmont St.
CALIFORNIA

San Francisco Rauscher, Warren Carleton 17 Abraham Lincoln H.S. 121 Morningside Dr. 27
COLORADO

Greeley Ehn, Dennis Clifford 17 College H.S. Route 1, Ault
GEORGIA

Atlanta Hollingshead, Dorothy Anita 17 Murphy H.S. 2705 Boulevard Dr., S.E. 17
ILLINOIS

Arlington Heights Hanor, Jeffrey Sydney 17 Arlington Heights Township H.S. 729 S. Highland Ave.
CHARLESTON
Decatur
Evansville
Stokle

*Knaayan, Susan Kathleen 17 Charleston Community Unit H.S. 938 Sixth St.
Chantrel, George Edward, Jr. 17 Decatur H.S. 1069 W. Prairie St.
Curry, John Lamar 17 Evansville Township H.S. 618 Lincoln St.
Pollock, Edward Jay 16 Niles Township H.S. 8555 N. Lawndale Ave.

INDIANA

Bloomington Cuffey, Roger James 17 University H.S. 522 Eastside Dr.
Indianapolis Ekenberry, Eric Franklin 17 Broad Ripple H.S. 5903 Gladden Dr. 20
South Bend Nordgren, Brett Marcus 17 Central H.S. 1048 Goodland Ave. 28

KANSAS

Neodesha *Beach, Rochelle Ruth 17 Neodesha H.S. 916 Illinois St.

MASSACHUSETTS

Weston Phillips, Charles Thomas 16 Weston H.S. Tabor Hill Rd., RFD, S. Lincoln
MICHIGAN

Lansing Luehrs, Dean Carl 17 Everett H.S. 914 S. Dexter Dr.

MISSOURI

Neosho Adams, David Bachrach 17 Neosho H.S. 324 S. Valley St.

MONTANA

Missoula Silver, Jack Howard 14 Missoula County H.S. 621 Stephens Ave.

NEBRASKA

Omaha *Anderson, Sonia Ruth 17 Technical H.S. 6107 S. 18 St. 7

NEW JERSEY

Newark Ullrich, Felix Thomas, Jr. 17 Barringer H.S. 6 Myrtle Ave. 7

NEW YORK

Bayside Adler, Stephen Louis 17 Bayside H.S. 36-12 Corporal Kennedy St., Bayside, New York 61
Brooklyn *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
*Gorenk, Kullikl Kay 17 Forest Hills H.S. 36-11 165 St., Flushing 58
Albro, Phillip William 17 Geneva H.S. 13 Linwood Ave.

Forest Hills *Margolis, Merry A. 16 New Rochelle H.S. 128 Trenor Dr.
Geneva
New Rochelle

Rochester
St. Albans
White Plains

Goldstein, Robert Edward 16 Monroe H.S. 1160 Monroe Ave. 20
Landman, Maurice Alan 16 Andrew Jackson H.S. 185-06 Murrdock Ave. 12
Ryan, Philip Meade 17 Archbishop Stephen H.S. 15 Tunstall Rd., Scarsdale

OHIO

Archbold
Tipp City
Westerville

*Schlatter, Violette Elizabeth-Emma 17 Archbold H.S. R.R. 1
Nieman, George Carroll 18 Tippecanoe H.S. R.R. 2
Deamer, David Wilson, Jr. 17 Westerville H.S. 167 N. State St.

OKLAHOMA

Tulsa

Gilmartin, Michael Cooper 16 Central H.S. 4959 E. 26th Pl. 14

OREGON

Grants Pass
Salem

Baldersee, Willis Willard, Jr. 17 Grants Pass H.S. 737 N.W. Kinney St.
*Simila, Marjorie Kay 18 North Salem H.S. 1334 Marion St.

PENNSYLVANIA

Pittsburgh

Burnham, David Charles 17 Mt. Lebanon H.S. 475 Morrison Dr. 16

TEXAS

Austin

Reichert, John Douglas 18 Stephen F. Austin H.S. 2803 Bonnie Rd. 3

WEST VIRGINIA

Charleston

Greenlee, Donald Ray 17 Stonewall Jackson H.S. 1218 Garvin Ave. 2

WISCONSIN

Marshfield

Adler, Robert William 17 Columbus H.S. 309 Magee St.

ABOUT THE 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 Sixteenth 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 Sixteenth 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. Stewart H. Britz, 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 Sixteenth Annual Science Talent Search, 76% of the boys and 91% of the girls rank in the upper 5% 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. Among the 260 who won Honorable Mention, 213 belong to science clubs of which 102 are affiliated with 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 55 girls and 205 boys.

Honorable Mentions

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

ALABAMA

Eddins, Dwight Lyman 17 Decatur H.S. 1420 7th Ave., S.E.
*Bryant, Joan 17 S.R. Butler H.S. 800 Cedar Ave.

ARIZONA

*Horwitz, Ann Selma 17 North Phoenix H.S. 382 E. Whittan Ave.
*Proctor, Sharon Jade 18 North Phoenix H.S. 1330 E. Coronado Rd.
White, Maurice Allen 17 Phoenix South Mountain H.S. 35 W. Southgate St.
Gardner, Horace B. 17 West Phoenix H.S. 1632 N. 11th Ave.

ARKANSAS

*Roberts, Elwanda Jo 18 Trumann H.S. 716 Speedway

CALIFORNIA

Bakersfield
Berkeley
Claremont
Coronado
Glendale
Lincoln
Los Gatos

Baum, Jerry David 17 Bakersfield H.S. 2324 First St.
Ackers, Gary Keith 17 Berkeley H.S. 1128 Francisco St. 2
Li, Wei-I 17 Berkeley H.S. 901 The Arlington 7
Patrick, John D. 16 Webb School of California 711 55th St., Des Moines, Iowa
Heath, James Michael 17 Coronado H.S. 309 First St. 18
Elconin, Theodore Henry 16 Herbert Hoover H.S. 410 Brockmont Dr. 2
Lynch, Harvey Lee 17 Lincoln Union H.S. 747 Millford St. 3
Brown, Evan Lloyd 17 Lincoln Union H.S. 1391 5th St.
Green, Michael Anthony 17 Los Gatos Union H.S. 15965 Orange Blossom St.
Warner, Michael Richard 17 Los Gatos Union H.S. Star Route, Chemeneta

Mill Valley
Palo Alto
Pleasant Hill
San Francisco
San Jose
Santa Barbara
Santa Rosa
Vacaville

Kelly, Aidan Anthony 16 Tamalpais H.S. 531 Midvale Way
Rein, Alan Robert 15 Tamalpais H.S. 721 Alto Vista Rd.
Schultz, Theodore Paul 16 Palo Alto Sr. H.S. 386 Creekside Dr.
Shaw, Lawrence Noble 17 Pleasant Hill H.S. 295 Keas Circle, Walnut Creek
Hsia, Yu Kun 15 Galileo H.S. 4854 Pacific Ave. 11
Nason, Robert Dohrmann 17 Lowell H.S. 168 25th Ave. 21
Eschstruth, Paul Taylor 17 San Jose H.S. 243 S. 18th St. 27
Robertson, James Covert 17 Santa Barbara H.S. 777 Las Palmas Dr.
*Harrington, Margaret Ann 17 Santa Rosa H.S. 920 Humboldt St.
Thiele, Alan George 17 Vacaville Union H.S. 686 Lovers Lane

COLORADO

Boulder
Pueblo

Matheson, Robert John 17 Boulder H.S. 650 11th St.
McKinnis, Ray Allen 16 Boulder H.S. 1080 13th St.
Brown, James Thompson, Jr. 17 Central H.S. 322 Cleveland St.

CONNECTICUT

Greenwich

Williamson, Alexander Mansfield 17 Brunswick School North St.

DISTRICT OF COLUMBIA

Washington

*Rade, Joanne Watt 17 Sidwell Friends School 3229 Reservoir Rd., N.W. 7
Jones, Robert Hanson 17 Woodrow Wilson H.S. 3067 Ordway St., N.W. 8
Rubinowitz, Martin Joseph 17 Woodrow Wilson H.S. 3506 Livingston St.
Shepley, Lawrence Charles 17 Woodrow Wilson H.S. 3914 Ingomar St., N.W. 15

FLORIDA

Gainesville

*Combs, Carol Andrea 17 P.K. Yonge Laboratory School 1501 N.W. 16th Ave.

GEORGIA

Atlanta

*Farris, Janet Gail 16 Brown H.S. 963 Westmont Rd., S.W. 10

Decatur *Humphrey, Binnie Elizabeth 17 Brown H.S. 1697 S. Alvarado Ter., S.W. 10
Hale, James Vincent Murphy 16 Decatur H.S. 98 Clarendon Ave., Avondale Estates

Thomaston Dyer, George Richard 16 Robert E. Lee Institute Route #5
IDAHO

Coeur d'Alene Boothe, Gary Frank 17 Coeur d'Alene H.S. 1143 N. 14th St.

ILLINOIS

Arlington Watson, Howard Lee, Jr. 18 Arlington Heights Twp. H.S. 603 E. Euclid St.

Heights Carruthers, George, Jr. 17 Englewood H.S. 7627 Champlain Ave. 19

Chicago Schurman, David Jay 16 Lake View H.S. 648 Waveland Ave. 13

Cicero Ehrlich, Richard David 17 Senn H.S. 4017 N. Clarendon Ave. 13

DeKalb Freiberg, Robert Jerry 17 J. Sterling Morton H.S. 1826 Wisconsin Ave., Berwyn

Des Plaines Loveland, Walter David 17 J. Sterling Morton H.S. 6744 W. 19th St. Berwyn

Evanston Plapp, Bryce Vernon 17 DeKalb H.S. 1115 W. Lincoln Hwy.

La Grange Burmeister, Edwin David 17 Maine Twp. H.S. 205 Gillick St., Park Ridge

Mendon Warne, Thomas Martin 17 Maine Twp. H.S. 1106 S. Greenwood Ave., Park Ridge

Skokie Carhart, Richard Alan 17 Evanston Twp. H.S. 3021 Hartwell St.

Springfield Smith, Thomas Buckley 17 Evanston Twp. H.S. 2433 Lawndale Ave.

Winnetka Swigert, Charles Justin 17 Evanston Twp. H.S. 811 Monticello Pl.

Culver Herche, Lynn Roger 17 Lyons Twp. H.S. 1305 W. 41st St.

INDIANA Thompson, Frederick James 17 Culver Military Academy 215 Rust Ave., Big Rapids, Mich.

Evansville *Farley, Margaret Aileen 16 Benjamin Bosse H.S. 117 S. Boeile Rd. 14

Fort Wayne Snider, Philip Arnold 16 Elmhurst H.S. 2703 Willow Oaks Dr. 6

Indianapolis Cox, Milton Dart 18 Arsenal Technical H.S. 528 N. Oxford St. 1

Marionville Couch, Wallace Elliott 17 Martinsville H.S. 60 Edgewood Ave.

North Zinsmeister, Nelson Lee 18 Chester H.S. R.R. #3

Manchester Ware, Robert Xavier 17 Richmond H.S. 116 S. 22nd St.

Richmond IOWA

Cedar Falls *Wilson, Nancy Elizabeth 17 Cedar Falls Sr. H.S. 1203 W. 23rd St.

Charles City Jones, Clyde Ray 17 Charles City H.S. 204 Kelly St.

Orange City Ruby, Warren Avery, Jr. 18 Mason City H.S. 639 7th St. N.E.

Perry Van Etten, Robert Roger 17 Orange City Public H.S. 203 W. 1st St.

Dills, Keith Warren 18 Perry Public H.S. R.F.D., Bouton

KANSAS

Hodge, John Laurent 17 Sumner H.S. 339 Greeley Ave. 1

*Kneebone, Billie Marie 17 Neodesha H.S. 1316 N. 7th St.

Bridson, William Ernest 17 Wichita H.S. East 1410 S. Hydraulic St. 16

Salser, Winston Albert 17 Wichita H.S. East 516 N. Estelle St. 6

KENTUCKY

Cadden, James Joseph 17 St. Xavier H.S. 1288 Cherokee Rd. 4

Ringo, David Leer, III 16 Beechwood H.S. Box 348, Route #4, Erlanger

Beltsville Beltsville
Bethesda Bethesda
Hyattsville Hyattsville
Silver Spring Silver Spring
Towson Towson

MASSACHUSETTS

Blackmon, James Bertram, Jr. 18 Phillips Academy 1815 Club Rd. Charlotte, N.C.

Ottoson, John Henry 17 Arlington Sr. H.S. 370 Grey St. 74

Stein, Martin Herbert 16 Brookline H.S. 15 Heath St. 46

Dubois, Denis Robert 18 Mattapan H.S. 16 Garrison Rd., Belmont 78

*Hutchinson, Dorothy M. 17 Mattapan H.S. 36 Minnesota Ave., Somerville 45

Jackson, David Lawrence 17 Groton H.S. Pleasant St.

*Verner, Michael Charles 17 Hingham H.S. 41 Samoset Ave., Kennerma

*Dummer, Nancy Lee 17 Natick H.S. 20 Florence St.

Larson, Ralph Irving, Jr. 17 Natick H.S. 33 Longfellow Rd.

*Lamborghini, Janet Edith 17 Plymouth H.S. 204 Court St.

*Poole, Rosemary Allerton 17 Peters H.S. East Main St.

Coffey, John Joseph 16 Watertown H.S. 45 Union St. 72

MICHIGAN

*Robinette, Rosalie Ann 17 Catholic Central H.S. Route #1

Bartels, Richard Harold 18 Ann Arbor H.S. 1214 Red Oak Rd.

Wilde, Peter Hart 16 Ann Arbor H.S. 2675 Geddes Ave.

Leshner, Theodore 17 University School 2730 Heather Way

Phillips, Arnold Gilbert 17 Mumford H.S. 18914 Stoepel St. 21

Deloria, Dennis Jerome 17 Holy Name H.S. Route #1

*Ward, Mary Julia 17 Muskegon St. H.S. 3092 Lakeshore Dr.

Ray, Richard Lee 17 Napoleon Rural Agricultural School 9612 Cadz Rd.

MINNESOTA

*Nelson, Alice Marguerite 16 Ivanhoe Public School Arco

Milgram, Richard James 17 North H.S. 1204 Upton Ave., N. 11

Campbell, Richard Dana 17 University H.S. 153 Orin Ave., S.E. 14

Emmett, John Lester, Jr. 17 Rochester Sr. H.S. 617 Ninth Ave., S.W.

Jones, Tobin Harry 17 Rochester Sr. H.S. 819 Fourth St., S.W.

Schipansky, Kenneth Myron 17 Alexander Ramsey H.S. 614 Price Ave. 17

Benning, Lionel Conrad, Jr. 17 Cotter H.S. 962 Gilmore St.

MISSISSIPPI

Penton, James Robert 17 Columbia H.S. 101 W. Dale St.

MISSOURI

*Gager, Ava Louise 17 Joplin Sr. H.S. 3701 E. Seventh St.

Yukon, Stanford P. 17 Pembroke Country Day School 600 W. Meyer Blvd. 13

*Burgess, Janis Lynne 16 Nevada H.S. R.R. #1

MONTANA

Cane, William Bernard 17 Great Falls H.S. 520 Fifth Avenue South

*Orr, Sandra Lee 17 Park County H.S. 311 S. Fifth St.

Peterson, Richard Warren 17 Park County H.S. 615 W. Lewis St.

Yale, Irl Keith 17 Park County H.S. 126 S. 8th St.

NEBRASKA

Anderson, David Arnold 17 Gothenburg H.S. Route #2

Bauer, William Robert 17 McCook Sr. H.S. 902 W. 4th St.

Prewett, Omer Edward 17 Benson H.S. 3527 N. 55th St. 4

*Shad, Patricia Ann 18 Benson H.S. 2009 N. 50th St. 4

NEW JERSEY

Bridgeton Wilson, Gustavus Edwin, Jr. 17 Bridgeton H.S. 71 Cedar St.
New Brunswick Lippincott, Ezra Parvin, Jr. 17 New Brunswick H.S. Lansing Pl.
Princeton Young, Frank Hood 17 Princeton H.S. 38 Hawthorne Ave.

NEW MEXICO

Albuquerque *Schuyler, Trudie Lou 17 Valley H.S. 2111 Broadway, N.E.
Artesia Fletcher, Wayne Royce 17 Artesia H.S. Box 572
Los Alamos McCracken, Kim Ian 17 Los Alamos H.S. 2246 34th St.

NEW YORK

Belmore Clough, Charles Albert 17 Wellington C. Mephram H.S. 6 Windsor Pl.,
Brooklyn Epiph, Joseph Edward 18 Brooklyn Technical H.S. 22-17 Himrod St.,
Feller, Edward Jay 16 Erasmus Hall H.S. 259 Montgomery St. 25
Mayer, Paula Louise 15 Erasmus Hall H.S. 25 Parade Pl. 26
Sebow, George Michael 17 Erasmus Hall H.S. 11 Midwood St. 25
Sommers, Jay Richard 17 Erasmus Hall H.S. 49 Clarkson Ave. 26
Tolchin, Rima Fay 15 Erasmus Hall H.S. 1911 Albemarle Rd. 26
*Stoman, Judith Zeida 16 Lafayette H.S. 1588 Independence Ave. 28
Borack, Eugene 16 Abraham Lincoln H.S. 1461 E. 8th St. 30
Hameroff, Nathan Morris 16 Abraham Lincoln H.S. 1807 E. 4th St. 23
Rosenberg, Eugene Barry 16 Abraham Lincoln H.S. 242 Coleridge St. 35
Berek, Peter 16 Midwood H.S. 1301 Ave. K 30
Johnson, Robert Henry 16 Midwood H.S. 1524 Ocean Ave. 30
Schiff, Lewis Barry 16 Midwood H.S. 1215 Ave. N 30
*Schneider, Judith Carol 16 Midwood H.S. 1823 Ave. O 30
Stone, Alan William 16 Midwood H.S. 1737 E. 21st St. 29
La Barbera, Raymond J. 17 St. Francis Preparatory School 174 Elkton St. 8
*Jacobs, Susan Ilya 17 Samuel J. Tilden H.S. 729 E. 49th St. 3
Shults, Addison Lamont 17 Bethlehem Central Sr. H.S. 11 S. Helderberg
Pkwy., Slingerlands
Elmhurst *Stutzky, Marian 16 Newtown H.S. 32-23 88th St. Jackson Hts. 69
Far Rockaway Weiss, Stanley E. 17 Far Rockaway H.S. 183 Beach 126th St. Belle Harbor 94
Forest Hills *Rui, Anita Gail 16 Forest Hills H.S. 67-123 Burns St. 75
*Schuber, Eleanor Sheila 16 Forest Hills H.S. 108-16 66th Ave. 75
Yao, Kung 18 Forest Hills H.S. 138-09 76th Ave., Flushing 67
Thompson, Paul DeVries 17 Freeport H.S. 123 Porterfield Pl.
*Schmitt, Geraldine Anne 18 Kenmore St. H.S. 41 Byron Ave. 23
Seward, Thomas Philip, III 17 Malverne H.S. 58 Stuart Ave.
*Leeant, Judith May 17 New Rochelle H.S. 65 Elizabeth Rd.
Moffett, Peter Voland 17 New Rochelle H.S. 25 Hanford Ave.
Strauss, Peter Lester 16 New Rochelle H.S. 68 Perth Ave.
Faltz, Leonard M. 16 Bronx H.S. of Science 1685 Morris Ave. 57
*Lord, Allison Jane 16 Bronx H.S. of Science 340 Riverside Dr. 25
Martino, Stefan 17 Bronx H.S. of Science 505 E. 14th St. 9
Miller, Ralph Eli 15 Bronx H.S. of Science 600 W. 111th St. 25
Milione, Eugene Frank 17 Bronx H.S. of Science 1125 Bryant Ave. 59
*Newman, Gabrielle Carol 15 Bronx H.S. of Science 1 Metropolitan Oval 62
Polgrant, Robert Vincent, Jr. 16 James Monroe H.S. 1455 Harrod Ave. 72
Greenseld, David Zanzev 16 Ramaz H.S. 1207 President St., Brooklyn 25
*Simo, Constance Maria 17 Julia Richman H.S. 23-83 25th St., Long Island
City 5

*Franzetti, Judith Carol 17 St. Catharine Academy 1036 E. 224th St. 66
Struber, Samuel 16 Stuyvesant H.S. 5995 Shore Pkwy., Brooklyn 36
Pitt, Joel Henry 16 Tait H.S. 1511 Sheridan Ave. 57
*Noring, Christina May 17 Pine Plains Central School R.D. #2
Kaplan, Samuel David 17 Port Jervis H.S. 26 Ferguson Ave.
*Ricciardi, Barbara Ann 16 Port Jervis H.S. R.F.D. #2
Brown, Mark Alan 17 Potsdam Central School 28 Main St.
Harte, John 17 Scarsdale H.S. 45 Lawrence Rd.
*Greene, Blanche Irene 17 Mont Pleasant H.S. 1833 Nott St. 9

Sea Cliff

Kaufman, Wallace V. 17 Sea Cliff H.S. 57 12th Ave.
Schwarz, Allan James 18 Sea Cliff H.S. 3 Lafayette Pl.
Benjamin, John Stanwood 17 Skaneateles Central School Kane Ave.
Dienstbier, Richard Adolph 17 Amherst Central H.S. 114 Garden Court,
Snyder Eggersville 26

Springleville

Carlstrom, David Lynn 17 Griffith Institute & Central School 136 E. Main St.
Gentner, Donald Richard 17 Griffith Institute & Central School W. Main St.
Kreiner, Philip Colman 17 Griffith Institute & Central School Rt. #39,
Sardinia

Staten Island

*Hicks, Nancy Ellen 16 Notre Dame Academy 37 Belfast Ave. 6
Raymonds, John Warren 17 Thomas R. Proctor H.S. 924 Elizabeth St. 3
Mallis, George Isaac 17 Woodmere Academy 400 W. Broadway, Cedarhurst

Utica

NORTH CAROLINA

Woodmere

Walker, Grayson Howard 18 Hayesville H.S. Box 132

Hayesville

NORTH DAKOTA

Minot

Castleman, Cordell Vance 17 Minot Sr. H.S. 114 Seventh St., N.W.

Dayton

OHIO

Neville, Richard Eugene 17 Wilbur Wright H.S. 514 Darnell Dr. 3
Marcus, Allan Harvey 17 Lorain H.S. 1059 Allison Ave.
*Pycraft, Jane Elizabeth 17 Lorain H.S. 624 Oberlin Ave.
Linhart, Robert Merle 18 Louisville H.S. R.D. #4
Lettler, Martin Francis 17 Middletown H.S. 2307 Arlington Ave.
Oswald, Richard Karl 17 Pandora-Gilboa H.S. R.F.D. #1, Leipsic
Zare, Richard Neil 17 University School 4327 Slusby Rd., Cleveland 18
*Hane, Alyce Ann 17 Sidney H.S. R.R. #4
Pillott, Herschel Stanley 16 Uhrichsville H.S. 1023 Maple Ave.
Deever, David Livingstone 17 Westerville H.S. 124 W. Home St.
Holsington, Charles William, Jr. 18 Westerville H.S. 4980 Central College
St. 3

Youngstown

Kutsko, Michael James 17 Austintown-Fitch H.S. 230 S. Main St. 9

Ada

OKLAHOMA

Archer, Vernon Shelby 17 Ada H.S. 430 E. 7th St.
Mantooth, James Edward 18 Lindsay H.S. Rt. #4
Leslie, Lee Alan 17 Midwest City Sr. H.S. 210 E. Myrtle Dr.
Thompson, Richard Claude 17 Midwest City Sr. H.S. 100 E. Lilac Lane,
Oklahoma City 10
Pitts, David Eugene 17 Classen H.S. 1315 N.W. 21st St. 6
Phillips, Claude Raymond, Jr. 16 Ponca City Sr. H.S. 813 S. 6th St.
Leonard, Ernest Clifton 17 Will Rogers H.S. 3319 E. 22nd St. 14
Wallace, John R. 18 Will Rogers H.S. 1707 S. Florence St.

Oklahoma City

OREGON

*McMains, Dianne Marie 17 Corvallis H.S. 1545 N. 12th St.
Barton, David Madison 18 McMinnville H.S. Rt. #3, Box 352
Davis, Neil Milton 18 The Dalles H.S. 1407 E. 11th St.

Corvallis

PENNSYLVANIA

*Cockery, Lois Roslyn 17 Allentown H.S. R.F.D. #1, Center Valley
Faust, Henry Joseph, Jr. 17 Allentown H.S. 821 N. Glenwood St.
Hoffman, Donald Brooks, Jr. 17 Allentown H.S. 2812 Livingston St.
*Romanowski, Ann 16 Allentown H.S. 1309 N. Van Buren St.
Ioup, George Elias 17 Altoona Sr. H.S. 2801 Columbia Dr.
Warner, Sturges Raymond 16 Jersey Shore Area Joint H.S. Linden
Telford, John William 17 Minersville H.S. 147 Lewis St.
Landis, Maurice Weidner, Jr. 17 Manheim Twp. H.S. 109 W. Roseville Rd.,
Lancaster

Allentown

Decker, Douglass Adron, Jr. 17 Parkland H.S. 116 S. Parkway Rd.,
Allentown

Altoona

Hamn, Russell Thomas 17 Parkland H.S. 4 Summit Rd., Schnecksville

Jersey Shore

Philadelphia 17 Myers, Geraldine Ann 17 John W. Hallahan Catholic Girls' H.S. 3143 N. Hemburger St. 32

Pittsburgh 17 Blain, Donald 17 Overbrook H.S. 4252 Parkside Ave. 4
Fager, Roger Edwin Stanton 17 Aspinwall H.S. Chapel Ridge Rd. R.D. #2 38
Freudenreich, Leo Benjamin 17 Aspinwall H.S. 21 Fifth St. 15
Uleman, James Stephen 17 Aspinwall H.S. 109 Virginia Ave. 15
Haigh, Robert Prince 17 Stroud Union H.S. 18 S. 8th St.

RHODE ISLAND

Wickford 17 Blease, Alfred D. 17 N. Kingstown H.S. Plum Point Shores, Saundertown

TENNESSEE

Memphis 17 Marguis, James Daniel 17 Treadwell H.S. 3680 Faxon Ave. 12
Nashville 17 Pack, Randall William 17 Isaac Litton H.S. 1330 Cardinal Dr. 6

TEXAS

Austin 17 Davis, Barbara Jean 17 S.F. Austin H.S. 1413 Larkwood Dr. 5
Houston 17 Chester, Arthur Noble 16 McCallum H.S. 302 W. 37th St.
Jenkins, Robert Wesley 18 Lamar H.S. 711 Bering Dr. 27
Smith, Todd Iversen 16 Lamar H.S. 1502 Augusta Dr. 19
Kermit 17 Powers, Judith Kay 17 Kermit H.S. 712 South Ave. C
Lubbock 17 Cannon, Don Lee 18 Monterey Sr. H.S. 3614 30th St.

UTAH

Provo 17 Andersen, Todd Gilbert 17 Brigham Young H.S. 510 N. 8th East

VIRGINIA

Arlington 17 Filiz, Harold Geiger 17 Wakefield H.S. 305 N. Kenmore St. 1
Clem, Joseph Kotouc 17 Washington-Lee H.S. 2400 N. Taylor St.
Buckingham 17 Charlton, Mary Virginia 18 Buckingham Central H.S. Box 95, Dillwyn
Front Royal 17 Bacon, Otis Blake 16 Warren County H.S. Box 981
Newport News 17 Lundquist, David Eugene 16 Newport News H.S. 3806 Spotswood Pl.,
Hampton

Richmond 17 Smith, Kathryn Page 17 Newport News H.S. 968 16th St.
Traylor, Rock Robertson 18 John Marshall H.S. 5 E. 42nd St. 24

WASHINGTON

Chewelah 17 Hartill, Donald LeRoy 17 Jenkins H.S. Rt. #2, Box 117
Ellensburg 17 Hartman, George Peder 17 Ellensburg Sr. H.S. 607 N. Ruby St.
Tacoma 17 Vernon, Carl Wayne 17 Franklin Pierce H.S. 911 E. 99th St. 44

WEST VIRGINIA

Charleston 17 Winter, John Edwin 17 Charleston H.S. Rt. #6, Box 200
Fairmont 17 Crawford, Margaret Eve 16 Stonewall Jackson H.S. 1107 Oakmont Rd. 4
Houshins, Ray Corbin 16 Stonewall Jackson H.S. 4001 Virginia Ave., S.E. 4
Meisel, David Dering 16 Fairmont Sr. H.S. 800 Eighth St.
Villinger, Frederic William 17 Fairmont Sr. H.S. 1216 McLane Dr.

WISCONSIN

Brillion 17 Fischer, Theodore Vernon 17 Brillion H.S. Rt. #2
Kenosha 17 Veder, John David 16 Mary D. Bradford H.S. 2818 63rd St.
Milwaukee 17 Koch, Edgar LeRoy 17 Pulaski H.S. 3425 S. 68th St. 19
Shorewood 17 Neuman, Michael Robert 17 Shorewood H.S. 119 W. Bergen Dr.,
Milwaukee 17

WYOMING

Cheyenne 17 Juenean, Robert Reade 17 Cheyenne Sr. H.S. 3618 Alexander Ave.
Jackson 17 Bucknham, Betty Jo Ann 17 Jackson-Wilson H.S. Box 512

STATE SCIENCE TALENT SEARCHES

All State Science Talent Searches are authorized by special arrangement with Science Clubs of America. 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 complete reply, send a stamped, self-addressed envelope with your inquiry.

Alabama: Alabama Academy of Science

Dr. James L. Kautner, Prof. of Chemistry, University of Alabama, University

Arbitrage: Arkansas Academy of Science
Dr. Lee Paulington, Asst. Prof. of Bacteriology, University of Arkansas, Fayetteville

Connecticut: Connecticut Academy of Arts and Sciences
Dr. Daryl I. Brock, Asst. Prof. of Science Education, University of Connecticut, Storrs

District of Columbia: Washington Academy of Science
Dr. A.T. McDermott, Assistant Director, National Bureau of Standards, Washington 25

Florida: Florida Academy of Science
Dr. Robert D. MacCurdy, College of Education, University of Florida, Gainesville

Georgia: Georgia Academy of Science
Mrs. Helen Camp Richardson, 32 Parkside Circle, N.E., Atlanta

Illinois: Illinois State Academy of Science
Dr. G.L. Yale, State Geological Survey, Natural Resources Bldg., Urbana

Indiana: Indiana Academy of Science
Mr. Ralph W. Loftis, 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
Prof. Eikon K. Scheraga, Science Instructor, Fort Hays Kansas State College, Hays

Maine: University of Maine
Dr. George T. Davis, Asst. Prof. of Education, University of Maine, Orono

Maryland: Maryland Academy of Science
Dr. Thomas King, French Pratt Free Library Bldg., Baltimore 1

Massachusetts: Massachusetts Academy of Arts and Sciences
Dr. Lockhart B. Rogers, Asst. Prof. of Chemistry, Mass. Institute of Tech., Cambridge 39

Michigan: Michigan Academy of Science, Arts and Letters
Prof. Charles L. Scholten, Natural Sciences Bldg., Michigan State University, East Lansing

Minnesota: Minnesota Academy of Science
Dr. Arthur F. Meloy, Prof. of Chemistry, State Teachers College, St. Cloud

Montana: Montana State College
Dr. Adrien L. Hess, Asst. Prof. of Mathematics, Montana State College, Bozeman

Nebraska: Nebraska Academy of Science
Dr. James A. Rudolph, Asst. Prof. of Secondary Education, Univ. of Nebraska, Lincoln 8

New Hampshire: New Hampshire Academy of Science
Dr. W.M. Bayton, Physics Dept., Dartmouth College, Hanover

New Mexico: New Mexico Institute of Mining and Technology
Dr. John Hart, Prof. of Physics, New Mexico Institute of Mining and Technology, Socorro

North Carolina: North Carolina Academy of Science
Dr. John A. Yarbrough, Prof. of Biology, Meredith College, Raleigh

Ohio: Ohio Science Service
Dr. Horace H. Bitts, Asst. Prof. of Chemistry, University of Oklahoma, Norman

Pennsylvania: Pennsylvania Academy of Science
Dr. Robert B. Gordon, State Teachers College, West Chester

Rhode Island: Brown University
Dr. Charles H. Slaughter, Chem. Dept. of Astronomy, Brown University, Providence 12

South Carolina: South Carolina Academy of Science
Mr. W.H. Ward, Dr., Extension Director, University of South Carolina, Columbia 1

South Dakota: South Dakota State College
Mr. Kenneth E. Howard, Asst. Prof. of Chemistry, South Dakota State College, Brookings

Tennessee: Tennessee Academy of Science
Mr. James L. Major, Chemistry and Physics Teachers, Chattanooga H.S., Chattanooga

Texas: Texas Academy of Science
Mr. Wayne Taylor, Asst. Prof. of Education, Extension Div., University of Texas, Austin

Utah: Utah Academy of Science, Arts, and Letters
Dr. I.O. Hurdall, University of Utah, Salt Lake City 12

Vermont: University of Vermont
Dr. G. Chapman Crooks, Prof. of Chemistry, University of Vermont, Burlington

Virginia: Virginia Academy of Science
Dr. W.S. Miller, Chem. Div. of Sciences, Randolph-Macon College, Ashland

West Virginia: West Virginia Academy of Science
Dr. William D. Crenney, Asst. Prof. of Biology, Fairmont State College, Fairmont

Wisconsin: Wisconsin Academy of Science
Dr. Ray L. Christoff, Chem. Department of Biology, Carroll College, Wausau

Rules and Regulations

THE SIXTEENTH 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 the continental United States, excluding U. S. possessions, who is not competing in any previous Science Talent Search, is eligible to enter this competition.

Age—There are no age limits to 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, filed 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 imaginative 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 3, 1956.

All entries must reach the office of Science Clubs of America, 1719 N. Street, N.W., Washington 6, D. C., not later than midnight, Thursday, December 27, 1956.

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 March 7 to March 11, 1957, 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 (\$1700 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 the 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 college 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, 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 respects be final.