

# Rules and Regulations

THE FOURTEENTH 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, 1954, 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 6, 1954.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N. W., Washington 6, D. C., not later than midnight, Monday, December 27, 1954.

## 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 February 24-28, 1955, 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 FOURTEENTH 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





## 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 3900 contestants in the first thirteen years have come many millions 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 thirteen 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 fourteen 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 FOURTEENTH ANNUAL SCIENCE TALENT SEARCH WASHINGTON TRIP WINNERS

Three hundred boys and girls; who are believed to have unusual potential scientific ability, have been selected from the 1955 senior classes of the United States secondary schools and have been awarded honors in the Fourteenth Annual Science Talent Search.

Eight girls and 32 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 24 through February 28, 1955, 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.

The trip winners are 15 to 18 years of age and come from 32 cities in 17 states. They were picked by the judges from among 16,033 contestants of whom 2,575 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.

Of the 40 Fourteenth Annual Science Talent Search winners, 45% 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 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

### CALIFORNIA

Claremont	Fleishhacker, David	17	Webb School of California	2600 Pacific Ave.
Del Paso				San Francisco
Heights	Havey, James Halbert, Jr.	17	Grant Union H.S.	c/o Lt. Col. J.H. Havey, Otis A.F.B., Mass.
San Francisco	Briggs, Thomas Stafford	16	Abraham Lincoln H.S.	845 Corbett Ave. 14

### COLORADO

Denver	Aandahl, Vaughan Allan	17	East H.S.	2916 Birch St. 7
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### CONNECTICUT

Bridgeport	*Hartley, Alice Katherine	17	Bassick H.S.	17 Chester Rd., Easton
Fairfield	Buccino, Robert Anthony	17	Fairfield College Prep.	229 Placid Ave., Stratford
	Foster, Edward John	16	Fairfield College Prep.	71 Wooster St., Bethel

### ILLINOIS

Evanston	Reed, Jack Donald	16	Evanston Township H.S.	330 Wesley Ave.
	Sommerfield, Martin David	17	Evanston Township H.S.	2531 W. Coyle Ave. Chicago 45
Greenville	*Tate, Patricia Ann	17	Greenville H.S.	113 Sunset Point
Rockford	Potter, James Emerson	17	W. Rockford Senior H.S.	2824 Huffman Blvd.
Urbana	Webb, Stephen Richard	16	University H.S.	812 W. Delaware St.

### INDIANA

South Bend	Fassnacht, Robert Earl	18	Central Junior-Senior H.S.	1933 Inglewood Pl. 16
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### KANSAS

Kansas City	Wilson, Daniel Hughes	17	Sumner H.S.	3443 N. 27th St. 4
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### MASSACHUSETTS

Newtonville	Kalnajs, Agris Janis	17	Newton H.S.	333 Cabot St. 60
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### MISSISSIPPI

Jackson	Penney, David Emory	17	Central H.S.	425 Meadow Moss Rd.
University	MacDonald, John Lauchlin	16	University H.S.	Box 181, Univ. of Miss.

### NEBRASKA

Omaha	*Tollman, Janet	17	Benson H.S.	2031 N. 55th St. 4
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### NEW JERSEY

Audubon	Eichman, Charles Jetter	17	Audubon H.S.	429 Kings Highway West 6
Princeton	Nergaard, David Karl	18	Princeton H.S.	11 Rolling Mead
Trenton	Webster, Norman Adelbert, III	17	Trenton Central H.S.	1040 Chambers St. 10

### NEW YORK

Brooklyn	*Harman, Mary Ella	16	Erasmus Hall H.S.	1803 Beverly Rd. 26
	Levine, Stephen Samuel	17	Erasmus Hall H.S.	271 Parkside Ave. 26
	Bachrach, David	16	James Madison H.S.	3602 Avenue L 10
	Rosen, Michael Ira	16	Midwood H.S.	4630 Flatlands Ave. 34
Canastota	*Myers, Carol Elnora	16	Canastota Central H.S.	R.D.#3
Forest Hills	*Fishman, Roberta Jane	16	Forest Hills H.S.	63-61 99th St. 75
	Fried, Michael Martin	15	Forest Hills H.S.	144-16 Jewel Ave., Flushing 67



New Rochelle Kripke, Bernard Robert 15 New Rochelle H.S. 95 Valley Rd.  
 New York Barth, Rolf Frederick 17 La Salle Academy 33-55 75th St., Jackson Hts. 72  
 Hoffman, Roald 17 Stuyvesant H.S. 52-05 39th Rd., Woodside 77

#### NORTH CAROLINA

Wilmington Vaughan, Maurice Hamilton, Jr. 17 New Hanover H.S. Rt. 2, Box 50-A

#### OHIO

Fremont Shilling, A. Gary 17 W.W. Ross H.S. 1209 Birchard St.  
 Youngstown Williams, Lawrence Ernest 17 East H.S. 1728 Shehy St. 8

#### PENNSYLVANIA

Allentown Greenleaf, Frederick Paul 17 Allentown H.S. 1724 Congress St.

#### TENNESSEE

Nashville Marshall, Winston Stanley 18 Isaac Litton H.S. 1403 Hemlock Ave. 6

#### WEST VIRGINIA

Charleston Stone, John William 17 Stonewall Jackson H.S. 815 Maple Rd. 2  
 So. Charleston \*Hawkins, Carol Irene 17 So. Charleston H.S. 315 Forest Circle 3

#### WISCONSIN

Appleton Harriman, John Edward 18 Appleton Senior H.S. 411 N. Clark St.  
 Marshfield \*Hable, Kathleen Anne 18 Columbus H.S. Loyal

### FOURTEENTH 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 Fourteenth 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 Fourteenth 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. Steuart 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 Fourteenth Annual Science Talent Search, 37.5% of the boys and 42% 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. Among the 260 who won Honorable Mention, 223 belong to science clubs most of which 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

Birmingham \*Wheeler, Evelyn Adelaide 16 Ensley H.S. 1124 N. 17th St. 4  
 Streetman, Kibbee Dean 17 West End H.S. 813 12th St., S.W. 11  
 Mobile \*Swafford, Lida Inge 17 Murphy H.S. 63 Silverwood St.

#### ARIZONA

Phoenix Allen, Grant Frihoff 17 North Phoenix H.S. 373 E. Palm Lane  
 \*Johnson, Phyllis Anne 17 North Phoenix H.S. 506 E. Maryland St.  
 Jurca, Joseph Adam 17 North Phoenix H.S. 72 E. Columbus Ave.  
 Lange, Robert Victor 17 North Phoenix H.S. 1525 E. Pinchot Ave.  
 Moores, Eldridge Morton 16 North Phoenix H.S. 526 E. Tuckey Lane  
 \*Piowaty, Ellen Ruth 17 North Phoenix H.S. 2953 N. Evergreen St.  
 \*Switzer, Sarah Margaret 18 North Phoenix H.S. 1313 E. Highland Ave.  
 Anderson, William Charles 17 West Phoenix H.S. 2221 N. Laurel Ave.  
 \*Doro, Diane Susan 16 West Phoenix H.S. 717 W. Windsor St.  
 Kelley, John Paul 16 West Phoenix H.S. 330 W. Maryland Ave.  
 Sasai, Haruo Robert 17 West Phoenix H.S. 7000 N. Wilder Lane  
 Turnquist, David Victor 16 West Phoenix H.S. 2723 W. Rancho Dr.  
 Sedona \*Lange, Gretchen 17 Verde Valley School 4910 E. Cooper St., Tucson  
 Tucson Malmberg, James Ernest 17 Tucson Senior H.S. 2228 E. Seventh St.  
 Sommerfield, Richard Ralph 17 Tucson Senior H.S. 2031 E. Copper St.

#### ARKANSAS

Fayetteville Arnold, Richard Cheney 16 Fayetteville Senior H.S. Route 6  
 Little Rock \*Giles, Cynthia Carolyn 16 Little Rock Central H.S. 5 Monroe Dr.

#### CALIFORNIA

Belmont Bartlett, Robert Neil 16 Carlmont H.S. 732 Knoll Dr., San Carlos  
 Beverly Hills Lewyn, Lanny Louis 17 Beverly Hills H.S. 1475 S. Reeves St., Los Angeles 35  
 El Cerrito Linson, Lewis Martell 16 El Cerrito H.S. 266 Grizzly Peak Blvd., Berkeley 8  
 Gustine Lincoln, Neil Robert 17 Gustine Union H.S. 245 Second St.  
 Hollister Jackson, Martin Allan 17 San Benito County H.S. Pinnacles Nat. Monument, Paicines  
 Hollywood Roelof, Edmond Charles 17 Hollywood H.S. 1478 N. Kings Rd.  
 Los Angeles Milder, David Michael 16 Los Angeles H.S. 5121 Edgewood Pl. 19  
 Morgan, David 17 John Marshall H.S. 4747 Ambrose St., Hollywood 27  
 Young, Stephen Jacob 16 Woodrow Wilson H.S. 1422 N. Helen Dr. 67  
 Mill Valley Wright, John Marlin 18 Tamalpais H.S. 136 Marguerite Ave.  
 Palo Alto Kreps, Rodney Emerson 16 Palo Alto Senior H.S. 2335 Waverly St.  
 Pleasant Hill Hesse, Robert Henry 17 Pleasant Hill H.S. 514 Masefield Dr., Concord  
 Redondo Eiserling, Frederic Allen 16 Redondo Union H.S. 5210 Vander Hill Rd., Torrance  
 Beach Eberhardt, David James 15 Point Loma H.S. 3744 Poe St. 7  
 San Diego Ishikawa, Robert Nobuo 17 San Jose H.S. 535 N. 5th St. 12  
 San Jose Kelley, Charles Kenneth 16 Santa Rosa H.S. 3791 Wallace Rd.  
 Santa Rosa Elmore, Lawrence Whitney 17 Analy Union H.S. 6146 Grav. Highway North  
 Sebastopol Lango, John Wesley 17 Verdugo Hills H.S. 10412 Wilsey Ave.  
 Tujunga

#### CONNECTICUT

Bridgeport \*Lucas, Jean Marian 17 Bassick H.S. 46 Monroe St. 5  
 Fairfield \*Adenstedt, Gudrun Luise 16 Roger Ludlowe H.S. 1244 Redding Rd.  
 New Milford Hunsicker, Lawrence Gheen 16 Canterbury School 1 Ridge Acres, Darien  
 Rockville Cohen, Harry Bruce 16 Rockville H.S. 55 Prospect St.  
 Wethersfield Mosher, Bruce William 18 Wethersfield H.S. 103 Coleman Rd. 9



# DISTRICT OF COLUMBIA

Washington Levitt, Edward Issac 17 Anacostia H.S. 3534 Pope St., S.E. 20  
Platnik, Stanley R. 17 Roosevelt H.S. 8514 Tahona Dr., Silver Spring, Md.  
Shear, David Ben 17 Sidwell Friends School 5203 Battery Lane, Bethesda 14, Md.  
Myers, Gardiner Hubbard 16 Western H.S. 3011 45th St., N.W. 16

# FLORIDA

Miami Beach Brown, Joel Edward 17 Miami Beach H.S. 4747 Alton Rd. 40  
Pensacola Tyra, Thomas Donald, Jr. 17 Pensacola H.S. Quarters 21, NAS

# ILLINOIS

Arlington Heights \*Lindskoog, Janice Arlene 17 Arlington Hts. Twp. H.S. 700 S. Ioka St., Mt. Prospect  
Bushnell \*Lay, Patricia Ann 17 Bushnell-Prairie City H.S. 752 N. Dean St.  
Chicago Heights Dudley, Richard Mansfield 16 Bloom Twp. H.S. 926 Sterling Ave., Flossmoor  
Dundee Weber, Waldemar Carl 17 Dundee Community H.S. Box 215, Algonquin  
Edwardsville \*Cliff, May Murphy 16 Edwardsville H.S. 315 State St.  
Evanston Mitchell, James Lowry 17 Evanston Twp. H.S. 2703 Lincolnwood St.  
Freeport Cardinal, Samuel James 17 Aquin H.S. 940 S. Float St.  
Granite City Schroeder, Charles Fairman 17 Granite City H.S. 1534 Johnson Rd.  
Hinsdale Johns, William Hardy 17 Hinsdale Twp. H.S. 719 S. Park Ave.  
Rock Island Ballegeer, Donald Joseph 17 Alleman H.S. RR #2, Box 640, East Moline  
Reese, John Francis 17 Alleman H.S. 2200 24th St.

# INDIANA

Bloomington \*van Wagtendonk, Anne Marie 16 University H.S. Moores Pike  
Connersville \*Smith, Janet Elizabeth 17 Connersville Senior H.S. 530 W. 20th St.  
Marion \*McKeever, Onda Jane 17 Marion H.S. 303 N. Washington St.  
Muncie Lawvere, Francis William, Jr. 17 Central H.S. 911 W. Jackson St.  
South Bend \*MacIvor, Nancy Joan 17 John Adams H.S. 1317 E. Wayne St., S. 15

# IOWA

Ames Wardle, Ronald William 18 Ames Senior H.S. 1108 Murray Dr.  
Dubuque \*Mayers, Rosemary Catherine 17 St. Joseph Academy 1765 Madison St.  
Johnston Jarvis, Mark William 17 Johnston Cons. H.S. Route 1, Des Moines 11

# KENTUCKY

Glasgow White, Emery Hardin, Jr. 17 Glasgow H.S. 215 Windsor Ave.  
Millersburg Gaines, William Congrave 17 Millersburg Military Institute 232 Sycamore St., Lexington

# MAINE

Rumford Eldridge, David Colby 17 Stephens H.S. 3 Clachan Pl.  
Waterville Warner, Jack Ronald 17 Waterville Senior H.S. 132 Silver St.

# MARYLAND

Gambrills Greenlee, Halford Robert, III 16 Arundel H.S. 4322 O'Kane Ct., Ft. Meade, Md.  
Garrett Park Murphy, Frederick Vernon, Jr. 16 Georgetown Prep. 3714 Williams Lane, Chevy Chase  
Hyattsville \*Gager, Jane Conoley 17 Northwestern H.S. 4006 Queensbury Rd.  
Silver Spring Kantor, Berl Pascal 16 Montgomery Blair H.S. 2806 Woodstock Ave.  
Wilson, Robert Marion 17 Montgomery Blair H.S. 10210 Menlo Ave.

# MASSACHUSETTS

Andover Kohler, Robert Eugene, Jr. 17 Phillips Academy 619 W. Park Lane, Kohler, Wis.  
Brookline Woolf, Michael Andrew 17 Brookline H.S. 88 Williston Rd. 46  
Holden \*Thomas, Cynthia 17 Wachusett Regional H.S. 104 Woodland Rd.  
Kingston \*Beane, Georgia Elaine 16 Kingston H.S. Elm St., RFD #82  
Watertown Buchanan, Stephen Ayers 17 Watertown Senior H.S. 75 Common St. 72  
Winthrop Cohen, Edward Arnold 17 Winthrop H.S. 151 Shore Dr. 52

# MICHIGAN

Bloomfield Hills Carlin, Alan Philip 17 Cranbrook School 211 Willimsbury Rd., Birmingham  
Grand Rapids Brockmeier, Richard Taber 17 Godwin Heights H.S. 134 Canterbury St., S.W.  
\*Peereboom, Ruth Anne 16 Mt. Mercy Academy 1900 Fruitwood Dr., N.W. 4  
Kalamazoo Erickson, Jon David 17 Central H.S. 221 N. Berkley St. 50  
Petoskey Hull, Jerry Wayne 17 Petoskey H.S. Walloon Lake

# MINNESOTA

Crookston Buus, Robert George 17 Central H.S. 345 S. Broadway  
Minneapolis Gaustad, John Eldon 16 Roosevelt H.S. 3656 36th Ave. S. 6  
St. Paul Kettleson, John Benton 17 Central H.S. 2025 Randolph St. 5

# MISSISSIPPI

Jackson Simpson, Wilburn Dwain 17 Central H.S. 242 Woodie Dr. 4  
West Point Dill, Andrew Robert 17 West Point H.S. Route 2

# MISSOURI

Maplewood Berner, Charles Allen 17 Maplewood-Richmond Heights Senior H.S.  
7230 W. Park Ave., Richmond Heights 17  
Springfield Laabs, Herman Frederick, Jr. 17 Central Senior H.S. 1107 E. Normal St.  
University City Schneider, Richard Sanford 16 University City Senior H.S. 409 Midvale St. 5

# MONTANA

Billings Calvert, Wynne 17 Billings H.S. 1210 N. 30th St.  
Choteau \*Bueling, Janis Marilyn 17 Choteau H.S. Fairfield  
Great Falls Hiltz, Victor Lowell 17 Great Falls H.S. 2925 Central Ave.  
Missoula Ford, Frederick Eddy 17 Missoula County H.S. 402 E. Beckwith St.

# NEBRASKA

Omaha Novak, Jan Karel 16 Benson H.S. 2408 N. 50th St. 4

# NEW JERSEY

Jersey City Brauer, Lee David 17 Wm. L. Dickinson H.S. 117 Booraem Ave. 7  
Millburn Newhouse, Alan Russell 16 Millburn H.S. 8 Kilmer Dr., Short Hills  
New Brunswick \*Stauber, Amy Ann 16 New Brunswick Senior H.S. RR #1, Box 267, S. Randolph-ville Rd., New Market  
Passaic Curott, David Richard 17 Pope Plus XII Diocesan H.S. 86 Passaic Ave.  
Springfield Cubblison, Dennis Forster 17 Jonathan Dayton Regional H.S. 39 Browning Ave. Short Hills  
Dietz, Richard Darby 17 Jonathan Dayton Regional H.S. 1099 Sunny View Rd. Mountainside  
\*Taylor, Diane Elizabeth 17 Jonathan Dayton Regional H.S. 974 Mountain Ave. Berkeley Hts.

Trenton Tart, Charles Theodore 17 Hamilton H.S. 1051 Lalor St. 10

# NEW MEXICO

Roswell Kelly, Michael Allison 18 Roswell H.S. 1311 N. Pennsylvania Ave.

# NEW YORK

Albany Friedman, Melvin 17 Philip Schuyler Senior H.S. 391 S. Pearl St. 2  
Batavia Hunt, William Edward, Jr. 17 Junior-Senior H.S. 8 Walker Pl.  
Bayside Oston, Steven Gordon 17 Bayside H.S. 35-19 200th St. 61  
\*Seifer, Frayda Joan 15 Bayside H.S. 50-44 230th St. 64  
\*Freitag, Judith Karen 16 Bay Ridge H.S. 348 6th Ave. 15  
Musher, Daniel Michael 16 Brooklyn Tech. H.S. 59 W. 71st St., New York 23  
Shimansky, Sheldon Morton 17 Brooklyn Tech. H.S. 1820 Quentin Rd. 29  
Varljen, Thomas Cosmos 17 Brooklyn Tech. H.S. 41 Jefferson St. 6  
Weinman, Robert William 16 Brooklyn Tech. H.S. 643 Montgomery St. 25  
\*Beris, Joan 16 Erasmus Hall H.S. 906 Montgomery St. 13  
Bolker, Ethan David 16 Erasmus Hall H.S. 264 Westminster Rd. 18  
Chase, Melvyn Harris 16 Erasmus Hall H.S. 1119 Foster Ave. 30



Chick, William Louis 16 Erasmus Hall H.S. 420 Ave. F 18  
 \*Cohen, Myrna 17 Erasmus Hall H.S. 836 Montgomery St. 13  
 Feldman, Martin David 15 Erasmus Hall H.S. 393 Parkside Ave. 26  
 Green, Michael Enoch 16 Erasmus Hall H.S. 225 Eastern Parkway 38  
 Kramer, Gordon 17 Erasmus Hall H.S. 1319 Newkirk Ave. 30  
 Levine, Joel Irwin 16 Erasmus Hall H.S. 27 Argyle Rd. 18  
 Rodney, Joel Morris 17 Erasmus Hall H.S. 170 Fenimore St. 25  
 Rudloe, Harry Jack 17 Erasmus Hall H.S. 91 Woodruff Ave. 26  
 \*Scheck, Judith Madelyn 17 Erasmus Hall H.S. 67 St. Paul's Pl. 26  
 Handel, David 16 Thomas Jefferson H.S. 2818 Foster Ave. 10  
 Lieberman, Abraham Nathan 16 Thomas Jefferson H.S. 505 Hopkinson Ave. 12  
 Peluso, Frank Anthony 17 Lafayette H.S. 432 Kings Highway 23  
 Becker, Stanley David 16 Abraham Lincoln H.S. 1070 Ocean View Ave. 35  
 Thaler, Alvin Isaac 16 Abraham Lincoln H.S. 851 Ave. Z 35  
 D'Atri, Joseph Eugene 16 James Madison H.S. 1821 Madison Pl. 29  
 Heitner, Paul Lee 16 James Madison H.S. 1489 E. 29th St. 29  
 Steinman, Charles Robert 16 James Madison H.S. 1754 E. 17th St. 29  
 Beroff, Howard 17 Midwood H.S. 767 E. 9th St. 30  
 Cederbaum, Stephen David 17 Midwood H.S. 969 E. 9th St. 30  
 Friedland, Edward Israel 17 Midwood H.S. 144 Beaumont St. 35  
 Lang, Philip Charles 16 Midwood H.S. 920 E. 23rd St. 10  
 Lieberman, Peter 17 Midwood H.S. 2610 Glenwood Rd. 10  
 Lurie, Michael Jay 16 Midwood H.S. 714 E. 9th St. 30  
 Mirsky, Harold Stanley 16 Midwood H.S. 3320 Ave. H 10  
 \*Stone, Diana Lois 17 Midwood H.S. 1039 E. 10th St. 30  
 Trachtman, Paul Konrad 17 Midwood H.S. 3113 Ave. D 27  
 Engelsohn, Harold Seymour 16 S.J. Tilden H.S. 519 E. 48th St. 3

Croton-on-Hudson  
 Elmhurst  
 Colloms, Michael David 16 Croton-Harmon H.S. Park Trail, Croton  
 \*Bennett, Marian 16 Newtown H.S. 62-02 79th St. 79  
 Smith, Wade Kilgore 17 Newtown H.S. 35-64 89th St., Jackson Hts. 72  
 Holmes, Lewis Meredith 16 Fairport Central H.S. 37 West St.  
 Fairport  
 Far Rockaway  
 Goldman, Robert 17 Far Rockaway H.S. 1322 Dickens St. 91  
 Newman, James Martin 17 Far Rockaway H.S. 1115 Neilson St. 91  
 Forest Hills  
 Brunschwig, Michael Gustave 16 Forest Hills H.S. 117-14 Union Turnpike, Kew Gardens 15

Glass, Martin David 17 Forest Hills H.S. 101 82nd Rd., Kew Gardens 15  
 \*Goldwasser, Lillian 17 Forest Hills H.S. 105-17 63rd Dr. 75  
 \*Kaplan, Ellen Willa 16 Forest Hills H.S. 144-25 69th Rd., Flushing 67  
 Reich, David Loren 16 Forest Hills H.S. 144-27 69th Rd., Flushing 67  
 Roemer, Peter Anthony 16 Forest Hills H.S. 102-32 65th Ave. 75  
 Schuker, Stephen Alan 15 Forest Hills H.S. 108-16 66th Ave. 75  
 Young, Stuart Harris 16 Forest Hills H.S. 65-61 Saunders St. 79  
 Wyndrum, Ralph William, Jr. 17 Garden City H.S. 198 Wellington Rd.  
 Garden City  
 Henrietta  
 Ithaca  
 Kenmore  
 Hoskins, Hartley 16 Rush-Henrietta Central H.S. Pinnacle Rd., Pittsford  
 McCarthy, Stephen Graham 17 Ithaca H.S. 212 Kelvin Pl.  
 Buck, John Oliver 16 Kenmore Senior H.S. 75 S. Irving Terrace 23  
 Reinagel, Frederick Gerard 16 Kenmore Senior H.S. 194 Westgate Rd. 17

Long Island  
 City  
 Mineola  
 New Paltz  
 New Rochelle  
 \*Tenzel, Joan Louise 16 Wm. C. Bryant H.S. 39-64 46th St. 4  
 Irwin, John Martin 17 Mineola H.S. 214 Linden Rd.  
 Cotton, Robert McMurry 17 New Paltz Central H.S. 47 Church St.  
 Friedheim, Martin Brown 17 New Rochelle H.S. 125 Argyle Ave.  
 Rosenthal, Donald 17 New Rochelle H.S. 66 Lakeside Dr.  
 Steindler, David Jacob 17 New Rochelle H.S. 41 Disbrow Circle  
 Eisenstein, Bob Irwin 15 Bronx H.S. of Science 1361 College Ave. 56  
 \*Grodowitz, Elaine 16 Bronx H.S. of Science 3070 Hull Ave. 67  
 \*Jones, Carole 17 Bronx H.S. of Science 1150 Grand Concourse 56  
 \*Jones, Thelma 17 Bronx H.S. of Science 1150 Grand Concourse 56  
 Richer, Ira 16 Bronx H.S. of Science 3965 Sedgewick Ave. 63  
 \*Schwartz, Devora Ruth 15 Bronx H.S. of Science 15 E. Mosholow Pkwy. N. 67  
 \*Sanfilippo, Nancy Joan 17 Evander Childs H.S. 91 E. 208th St. 67  
 Berk, Paul David 16 Stuyvesant H.S. 461 Brooklyn Ave., Brooklyn 25  
 Berliner, Norman Wolf 16 Stuyvesant H.S. 139-16 233rd St., Laurelton 22  
 Hakner, Richard 17 Stuyvesant H.S. 523 Flushing Ave., Brooklyn 5

Nyack  
 Oceanside  
 Richmond  
 Hill  
 Rochester  
 Schenectady  
 Snyder  
 Springville  
 Staten Island  
 Syracuse  
 Tarrytown  
 West  
 Hempstead

Krauss, Alfred Nathaniel 15 Stuyvesant H.S. 401 Schenectady Ave., Brooklyn 13  
 Slovin, Alvin Jay 17 Stuyvesant H.S. 507 Pennsylvania Ave., Brooklyn 7  
 Staum, Richard 16 Stuyvesant H.S. 195 Stanton St. 2  
 Zvengrowski, Peter Daniel 15 Stuyvesant H.S. 650 Adele Ave. 67  
 Franco, Victor 17 W.H. Taft H.S. 232 E. 169th St. 56  
 Denker, Stephen Paul 17 Nyack Junior-Senior H.S. 284 Piermont Ave.  
 \*Tesar, Jenny Elizabeth 17 Oceanside Senior H.S. 25 Latimer Ct., Rockville

Eisen, Bruce Melvyn 16 Richmond Hill H.S. 143-25 84th Dr., Jamaica 35  
 Foster, Neal Robert 17 Monroe H.S. 1600 South Ave. 20  
 Henry, George Reading 16 Mont Pleasant H.S. 1497 Regent St. 9  
 Werner, Harry Bryan 17 Amherst Central H.S. 171 Lamark Dr. 21  
 Ganschow, Roger Elmer 17 Griffith Inst. & Central School 269 Mill St.  
 Fanelli, Robert Vincent 16 New Dorp H.S. 1327 Richmond Rd. 4  
 Wirth, Thomas Henry 17 William Nottingham H.S. 108 Euclid Terr, 10  
 \*Smith, Judith Ann 17 Marymount School 38 Sargent Rd., Scarsdale

\*Levy, Deborah Isabell 17 West Hempstead Jr.-Sr. H.S. 283 Patton Pl.

#### OHIO

Canfield  
 Lorain  
 Parma  
 Shaker  
 Heights  
 Toledo  
 Uhrichsville

Sopkovich, Nicholas Joseph 17 Canfield H.S. Raccoon Rd., RD #2  
 Asik, Joseph Richard 17 Lorain H.S. 2214 E. 34th St.  
 Larsen, Arthur Bertel Louis 17 Parma Senior H.S. 6086 State Rd. 29

\*Deutsch, Elizabeth Joan 17 Shaker Heights H.S. 3361 Colwyn Rd. 20  
 Wille, Herbert Louis, Jr. 18 DeVilbiss H.S. 2944 Manchester St. 6  
 Roth, Donald Lee 17 Uhrichsville H.S. 511 N. Main St.

#### OKLAHOMA

Guthrie  
 Okmulgee

Petty, James Sibley 17 Guthrie H.S. 521 E. Logan St.  
 Mann, John Russell 17 Okmulgee H.S. 502 E. 15th St.

#### OREGON

Baker  
 Gresham  
 Portland  
 Taft

Kirklin, George Lincoln 17 Baker Senior H.S. 2970 3rd St.  
 Buisman, Ben Allan 17 Gresham Union H.S. 1961 S.E. 162nd St., Portland 16  
 Lee, James Bernard 17 Central Catholic H.S. 2019 N.E. 72nd Ave. 13  
 Dodd, George Gilmore 17 Taft H.S. Box 156, Oceanlake

#### PENNSYLVANIA

Allentown  
 Bristol  
 Lansdale  
 McKeesport  
 Moylan  
 Neffsville  
 New Castle  
 Northampton  
 Orefield

Toffer, Hans 18 Allentown H.S. 514 Park St.  
 Silber, Howard A. 16 Manumit School 1633 Ft. Dupont St., S.E., Washington, D.C.  
 \*Criswell, Joan Elizabeth 17 Lansdale Joint H.S. 822 Chestnut St.  
 Hicks, John Merrill 17 St. Peter's H.S. 1136 Margray St., Pittsburgh 7  
 \*Robinson, Barbara Janet 18 Notre Dame H.S. 820 Chestnut St., Collindale  
 Roth, John Reece 17 Manheim Twp. H.S. 404 N. George St., Millersville  
 Burns, Rowland Edward 18 New Castle Senior H.S. 102 Northview Ave.  
 Hvazda, Melvyn Charles 17 Northampton Area Joint H.S. 1914 Lincoln Ave.  
 Lichtenwalner, Byron Dale 17 Parkland H.S. Trexlertown  
 Roth, Daniel Willoughby 17 Parkland H.S. Box 143, R #1, Copley  
 Ziegler, Ronald Norman 17 Parkland H.S. 3205 Highland St., Allentown  
 Philadelphia  
 \*Brokars, Carol Alicia 16 W. Philadelphia Catholic Girls H.S. 636 Marlyn Rd. 31.  
 \*Carr, Monica Sylvia 17 W. Philadelphia Catholic Girls H.S. 29 West Mount Kirk Ave., Norristown, RD #1

Pittsburgh  
 Westtown

\*Armitage, Valerie McIntyre 17 West View H.S. 129 Hillands Pl. 9  
 Houghton, David Drew 16 Westtown School N. Orange St., Media

#### SOUTH CAROLINA

Simpsonville

Johnson, Jo Harold 17 Simpsonville H.S. Box 327

#### SOUTH DAKOTA

Sioux Falls

Hurwitz, Charles Elliot 17 Washington H.S. 2100 S. Main Ave.



Yankton Myers, James Richard 17 Yankton H.S. RFD #2, Box 59

#### TENNESSEE

Harriman Meers, Benjamin Zemra 17 Harriman H.S. Oakdale  
Henderson Bishop, Hal Douglass 17 Chester County H.S. c/o Mrs. W.M. Barnes  
Knoxville McHarris, William Charles 17 Central H.S. R #12, Anderson Rd. 18  
Pitcher, William Franklin 17 Central H.S. 211 Doughty Ave., Fountain City 18  
Nashville Scott, Samuel Theodore, Jr. 17 West End H.S. 3613 Meadowbrook Ave. 5  
Rutledge Clark, Thomas Heim 15 Rutledge H.S. RFD #3

#### TEXAS

Austin Foyt, Arthur George, Jr. 17 S.F. Austin H.S. 1910 San Antonio St. 1  
Canyon Clark, Barry Gillespie 16 Canyon H.S. 2501 Seventh Ave.  
Dallas Humann, Walter Johann 17 Hillcrest H.S. 6327 Glendora St. 30  
Houston Batten, George Washington, Jr. 16 The Kinkaid School 1656 Milford St. 6  
Pampa Vicars, James Edwin 17 Pampa H.S. 608 Buckler Ave.  
Snyder \*Smith, Clare Dodson 18 Snyder H.S. 2308 32nd St.  
Ysleta Montgomery, Richard Carroll 17 Ysleta H.S. 8700 Highway 80, East

#### VIRGINIA

Arlington Gaiser, Frederick John 17 Washington-Lee H.S. Qts. 225, S. Area, Ft. Myer 8  
Pearlstein, Robert Milton 17 Washington-Lee H.S. 2604 N. Sycamore St. 7  
Newport News Garrick, Michael David 16 Newport News H.S. 2208 Crescent Dr., Hampton  
Norfolk Dunning, Robert Scott 17 Norview H.S. 242 Carolina Ave. 2  
Radford \*Hackman, Joanna 17 Radford H.S. 8 Monroe Terrace  
Salem \*Senter, Margaret Gene 17 Andrew Lewis H.S. 345 High St.

#### WASHINGTON

Bellevue Schurr, John Michael 17 Bellevue Senior H.S. 3700 W. Concord Way, Mercer Is.  
Olympia Petersen, Jon Earl 16 Olympia H.S. R #3, Box 200  
Seattle Keisler, Howard Jerome 18 Garfield H.S. 2308 Boyer Ave. 2  
\*White, Susan Helen 17 Garfield H.S. 224 10th St., N. 2  
Yakima McClure, William Owen 17 Yakima Senior H.S. 2105 Barge St.

#### WISCONSIN

Appleton Dimick, Robert Charles 17 Appleton Senior H.S. 514 N. Rankin St.  
Beloit McClure, Charles William 17 Memorial H.S. 1145 Vernon Ave.  
Kenosha \*Gemmell, Sandra Anne 18 Mary D. Bradford H.S. 5129 7th Ave.  
Madison \*Pochmann, Virginia Ruth 16 W. Senior H.S. 3930 Manitou Way 5  
Wauwatosa McFarland, Thomas Landis, Jr. 17 Wauwatosa H.S. 7723 Stickney Ave. 13

#### WYOMING

Riverton Anderson, Lowell Roy 17 Riverton H.S. Box 546, 514 N. 2nd St.

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Science Clubs of America  
1719 N St. N.W.  
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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 1955 follow with the director of each indicated.

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Arkansas: Arkansas Academy of Science

Dr. Herndon G. Dowling, Dept. of Zoology, University of Arkansas, Fayetteville

District of Columbia: Washington Academy of Sciences

Dr. A.T. McPherson, Associate Director, National Bureau of Standards, Washington 25

Georgia: Georgia Academy of Science

Mr. Eugene Sanders, Science Teacher, Henry Grady High School, 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.H. Horr, Dept. of Botany, University of Kansas, Lawrence

Maine: University of Maine

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

Massachusetts: American Academy of Arts and Sciences

Dr. Fletcher G. Watson, Assoc. Prof., Grad. School of Ed., Harvard University, Cambridge 38

Michigan: Michigan Academy of Sciences, Arts, and Letters

Prof. Jack C. Elliott, Asst. Prof., Botany and Plant Path., Michigan State College, East Lansing

Minnesota: Minnesota Academy of Science

Dr. Arthur F. Nelson, Prof. of Chemistry, State Teachers College, St. Cloud

Montana: Montana State College

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

New Hampshire:

Dr. Robert L. Bickle, Dept. of Entomology, University of New Hampshire, Durham

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

Oklahoma: Oklahoma Science Service

Dr. Horace H. Bliss, Assoc. 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. Smiley, Chm., Dept. of Astronomy, Brown University, Providence 12

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

Mr. Kenneth E. Howard, Instructor 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: University of Vermont

Dr. Charles Ernest Braun, Head, Dept. of Chemistry, University of Vermont, Burlington

Virginia: Virginia Academy of Science

Dr. Harold H. Garretson, Prof. of Chemistry, Lynchburg College, Lynchburg

West Virginia: West Virginia Academy of Science

Miss Myrtle M. Miller, Science Teacher, Fairmont Senior High School, Fairmont

Wisconsin: Wisconsin Academy of Sciences, Arts, and Letters

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\* \* \*

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.