

Rules and Regulations

THE THIRTEENTH 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 7, 1953.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N. W., Washington 6, D. C., not later than midnight, Sunday, December 27, 1953.

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 25-March 1, 1954, 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.

FILE COPY

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

SCIENCE CLUBS OF AMERICA

SOA
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 WINNERS
AND HONORABLE MENTIONS
IN THE THIRTEENTH ANNUAL
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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 3600 contestants in the first twelve 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 twelve 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 thirteen 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 THIRTEENTH 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 1954 senior classes of the United States secondary schools and have been awarded honors in the Thirteenth 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 25 through March 1, 1954, 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 17 years of age and come from 32 cities in 18 states and the District of Columbia. They were picked by the judges from among 16,344 contestants of whom 2,409 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 58% of the 40 Thirteenth 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 20% 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 *Lee, Susan Huderle 16 North Phoenix H.S. 830 E. Sierra Vista

CALIFORNIA

Bakersfield Egger, Maurice David 17 Bakersfield H.S. 319 Oleander Ave.
Claremont Muffler, Leroy John Patrick 16 Webb School of California 353 W. 7th St.

CONNECTICUT

Fairfield Izzarelli, Anthony William 17 Fairfield College Prep. 315 Burritt Ave., Stratford
Westport Wolk, Coleman Peter 17 Staples H.S. 221 Danbury Rd., Wilton

DISTRICT OF COLUMBIA

Washington *Kreek, Mary Jeanne 16 Woodrow Wilson H.S. 4636 Verplanck Pl., N.W. 16

ILLINOIS

Evanston *Gansz, Carol Jean 17 Evanston Township H.S. 2508 Cowper Ave.
*Rountree, Janet Caryl 16 Evanston Township H.S. 929 Hinman Ave.
Ward, Harold Nathaniel 17 Evanston Township H.S. 1124 Noyes St.

INDIANA

Evansville Scherer, Kirby Vaughn, Jr. 17 Benjamin Bosse H.S. 1113 E. Gum St. 13

KENTUCKY

Middletown Hayward, Gary Gillette 17 Eastern H.S. 3932 Nanz Ave., Louisville 7

MARYLAND

Baltimore Schmidt, Victor Adolf 17 Milford Mill H.S. 3507 Mayfair Rd. 7
Bethesda Haight, Alan Frederic 17 Bethesda-Chevy Chase H.S. 5618 Glenwood Rd. 14

MINNESOTA

Minneapolis Scanlon, Edward Patrick 17 DeLaSalle H.S. 2901 27th Ave., S. 6
Rochester Stroebel, Charles Frederick 17 Rochester Senior H.S. 725 Ninth St., S.W.

MISSISSIPPI

Greenwood Cooper, William Samuel, Jr. 17 Greenwood H.S. 203 Peel St.

NEW HAMPSHIRE

Dover Dade, Everett Clarence 16 Dover H.S. 27 Sixth St.

NEW JERSEY

New Brunswick Rodden, Robert James 17 New Brunswick H.S. S. Boyd Hwy., Colonial Gardens, New Brunswick
Nutley French, Bevan Meredith 16 Nutley H.S. 98 Alexander Ave. 10

NEW YORK

Brooklyn Brumer, Armand 15 Boys H.S. 6521 20th Ave. 4
Phillips, William 16 Brooklyn Technical H.S. 863 E. 28th St. 10
*Burlant, Marguerite 16 Erasmus Hall H.S. 376 E. 8th St. 18
Levy, Richard Jay 16 Erasmus Hall H.S. 608 E. 7th St. 18
Bumby, Richard Thomas 16 Midwood H.S. 1974 New York Ave. 10
*Landisman, Laurel Sydney 17 Midwood H.S. 358 Parkside Ave. 26

Churchville Hoff, Marclan Edward, Jr. 16 Churchville-Chill Central School 76 Stony Point Rd., Rochester 11
 Forest Hills Stillman, Richard Comstock 18 Forest Hills H.S. 72-39 139 St., Flushing 87
 New York Baum, Paul Frank 17 Bronx H.S. of Science 644 Riverside Dr. 31
 Sandy, Frank 17 Bronx H.S. of Science 336 E. 71 St. 21
 Nyack Davidson, Eric Harris 16 Nyack H.S. 7 Orchard Terr., Piermont
 Rochester *Merchant, Carolyn 17 Monroe H.S. 35 Cathaway Park 10
 Troy Carragan, William Dillard 16 Troy H.S. Tamarack Rd., R.D. 3

OKLAHOMA

Oklahoma Tech, Jack Laurence 17 Classen H.S. 1300 Linwood St. 6
 City

OREGON

Salem Crothers, Donald Morris 17 Salem Senior H.S. 210 N. 15th St.
 Springfield Simons, David Ralph 17 Springfield H.S. 749 West M St.

PENNSYLVANIA

Allentown *Oberly, Lorraine Theresa 17 Parkland H.S. Route 1
 Lebanon Seltzer, James Edward 17 Lebanon H.S. 53 E. Cumberland St.

TEXAS

Wichita Falls Cyprus, Joel Howard 17 Wichita Falls Senior H.S. 3406 Garfield St.

WASHINGTON

Kirkland Fiddler, Richard Walter 17 Lake Washington H.S. Route 2, Box 627-B

WEST VIRGINIA

South Berry, George Belmont, Jr. 17 South Charleston H.S. 4906 Kentucky Ave.
 Charleston

THIRTEENTH 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 Thirteenth 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 Thirteenth 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. 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 Thirteenth Annual Science Talent Search, 28% of the boys and 48% 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, 199 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 52 girls and 208 boys.

HONORABLE MENTIONS

* indicates girls
 H.S. indicates High School

HOME ADDRESS follows name of school
 AGE of winner follows name

ARIZONA

Mesa O'Barr, Gerald LeRoy 18 Mesa H.S. Rt. 3, Box 793
 Phoenix Citron, Benjamin Phillip 17 North Phoenix H.S. 5520 N. 16th St.
 Fried, Jerrold 16 North Phoenix H.S. 15 East Hoover Ave.
 Hoag, Peter Charles 16 North Phoenix H.S. 1501 East Echo Lane
 Lange, Gordon David 18 North Phoenix H.S. 1525 E. Pinchot Ave.
 McFarlane, Joe Robert 17 North Phoenix H.S. 1515 E. Missouri St.
 Mitchell, Robert Wyatt 17 West Phoenix H.S. 1618 W. Willetta St.
 Tucson Gaines, Edward Everett 17 Tucson Senior H.S. 4618 E. 17th St.

ARKANSAS

Fort Smith McLallen, Dewitt L., Jr. 16 Ft. Smith Senior H.S. 2423 Dodson St.

CALIFORNIA

Barstow Helliwell, Thomas McCaffree 17 Barstow Senior H.S. 224 N. Second St.
 Bellflower Wybrant, Paul Oscar 17 Bellflower H.S. 5939 Hersholt Ave.
 Claremont Aase, Jon Morton 17 Claremont H.S. 1409 Cuernavaca St.
 Glendale Gildea, Terry Leonard 17 Herbert Hoover H.S. 809 W. Dryden St. 2
 Lomita Myers, Donald Burton 17 Nathaniel Narbonne H.S. 1535 W. 213th St., Torrance
 Mill Valley *Zusi, Erika 17 Tamalpais H.S. 20 Cornelia Ave.
 Norwalk Ward, Charles Duane 18 Excelsior H.S. 12232 Orangethorpe St., Artesia
 Young, Peter Trimble 17 Excelsior H.S. 14328 Devlin Ave.
 Palo Alto Kennedy, James Miller, Jr. 17 Palo Alto Senior H.S. 435 Coleridge Ave.
 Riverside Dalton, Edward Kenneth 16 Polytechnic H.S. Wood Rd., Rt. 3, Box 255
 Santa Ana Biles, Phillip Herzog 16 Santa Ana Senior H.S. 2023 Greenleaf St.
 San Hertel, Robert Henry 17 San Bernardino H.S. 1274 1/2 Acacia Ave.
 Bernardino
 San Knudsen, Harold Knud 17 George Washington H.S. 542-48th Ave. 21
 Francisco Shain, Stephen Albert 16 George Washington H.S. 774-27th Ave. 21
 Santa Rosa *Perryman, Virginia Diane 17 Santa Rosa H.S. 4346 Raymonde Way
 So. Pasadena Couch, Harold Thompson 17 So. Pasadena H.S. 1595 Rubio Dr., San Marino 9

COLORADO

Denver Evans, Warren Edward 17 West H.S. 4789 W. Tennessee St. 19

CONNECTICUT

Fairfield Farrington, Robert Leslie 17 Fairfield College Prep. 115 Merchant St., Bridgeport 4
 Krewson, Kenneth Thomas 17 Fairfield College Prep. 198 Fairfield Pl.
 Matyszewski, Stanley Eugene 16 Fairfield College Prep. 6786 Main St., Bridgeport

DISTRICT OF COLUMBIA

Washington *Humink, Jo Ann 17 Anacostia H.S. 829 Kenia St., S.E. 20

FLORIDA

Miami Kissel, Lawrence Arthur 16 Miami Senior H.S. 2421 N.W. 4th St. 35

GEORGIA

Atlanta *Sheirer, Jean Scott 17 William A. Bass H.S. 516 Clifton Rd. N.E.
 Rose, Carl Martin 17 Brown H.S. 1794 Willis Mill Rd. S.W.
 Waters, James Leon, Jr. 17 Brown H.S. 870 Gaston St. S.W.
 *Anderson, Sarah Ellen 17 Murphy H.S. 633 Gresham Ave. S.E.
 Wilson, Donald Elliott 17 Murphy H.S. 2162 Oakview Rd. S.E.
 Fortson, Edward Norval 17 North Fulton H.S. 5457 Roswell Rd.
 White, Homer Spence 17 Sylvan Hills H.S. 989 Deckner Ave. S.W.

ILLINOIS

Capron *Moorhead, Lynn Virginia 17 North Boone Consolidated H.S. Poplar Grove
 Champaign Abell, William Austin 18 Champaign Senior H.S. 905 S. McKinley Ave.
 Chicago Tooper, Robert Forrest 17 Calumet H.S. 8943 S. Bishop St. 20
 Boyd, James Hamilton 17 Steinmetz H.S. 1741 N. Oak Park Ave. 35
 Des Plaines Braum, Walter Charles 17 Maine Township H.S. 432 S. Clifton Ave., Park Ridge
 Merz, Richard Arnold 17 Maine Township H.S. 233 N. Northwest Hwy., Park Ridge
 Evanston Hofmann, Theodore Mitchell 17 Evanston Township H.S. 2120 Grant St.
 McNamara, William 17 Evanston Township H.S. 2814 Garriscan Ave.
 Muench, Laurence Walter 17 Evanston Township H.S. 519 Greenwood St.
 Smith, Clayton Sutherland 17 Evanston Township H.S. 2433 Lawndale St.
 *Kelly, Sharon Lyn 17 Jacksonville H.S. 860 Edgehill Rd.
 Jacksonville Richardson, David Eugene 16 Madison H.S. 1803 Rhodes St.
 Monticello Henebry, William Michael 17 Monticello H.S. 305 E. Bond St.

INDIANA

Connersville Joseph, Benson Lee 17 Connersville Senior H.S. RR #3
 Elkhart Blackwell, Frederick Wayne 16 Elkhart H.S. 515 Concord Ave.
 Evansville Eykamp, Robert William 17 Benjamin Bosse H.S. 1101 Bonnie View Dr.
 Fort Wayne Dick, Charles Edward 16 Central Catholic H.S. 3107 S. Harrison St. 6
 Stevenson, David Alan 17 Elmhurst H.S. R.R. 4, Winchester Rd. 8
 Indianapolis Langhammer, James Kenneth 17 Ben Davis H.S. 3736 Rockville Rd. 22
 Lowell Lindemer, Terrence Bradford 17 Lowell District H.S. RR #2
 Michigan City Thompson, Maynard DeWayne 17 Isaac C. Elston H.S. 322 Tremont St.
 Plainfield Miles, Glen Alton 17 Plainfield H.S. 308 Shaw St.
 Richmond Crabtree, Donald Louis, Jr. 17 Richmond H.S. 424 S. 20th St.
 Tipton *Hutto, Rebecca Jane 17 Tipton H.S. 220 Green St.
 W. Lafayette *Freeman, Margaret Anne 17 W. Lafayette Senior H.S. 1804 Garden St.
 Sabbagh, Harold Abraham 17 W. Lafayette Senior H.S. 1800 Garden St.
 Windfall Legg, James Clifton 17 Windfall H.S. R.R. 2

IOWA

Charles City Adams, Clark Francis 17 Charles City H.S. 610 Second Ave.

KANSAS

Pittsburg *Holmes, Janet Gayle 17 Pittsburg Senior H.S. 801 W. Jefferson St.
 St. John *Fagan, Evelyn Maud 17 St. John H.S. St. John

MAINE

Newcastle Birkett, James Davis 17 Lincoln Academy R.F.D., Nobleboro

MARYLAND

Bethesda Labovitz, David Ephraim 17 Bethesda-Chevy Chase H.S. Danville Dr., RFD #4,
 Rockville
 Russell, John Kenneth 16 Bethesda-Chevy Chase H.S. 4506 Amherst Lane 14
 Hyattsville Boyle, Don Richard 17 Northwestern H.S. 6407 Elliott Pl.
 *Neal, Elizabeth Barratt 17 Northwestern H.S. 6205 Pontiac St., Berwyn Hgts.

MASSACHUSETTS

Cambridge Rennie, John Coyne 16 Matignon H.S. 1137 Adams St., Dorchester 24
 Interlaken Andrews, Howard Russell 17 Stockbridge School 8604 Broadbrook Dr.,
 Bethesda, Md.
 Plymouth *Hasz, Marie Esther 17 Plymouth H.S. 16 Forest Ave., North Plymouth
 Waltham *McDonald, Barbara Theresa 17 St. Charles Borromeo H.S. 21 Lowell St. 54
 Worcester *Marston, Jean Isabelle 16 North H.S. 49 Whitman Rd. 5

MICHIGAN

Mt. Clemens Ball, James Victor 17 Mt. Clemens H.S. 31 Second St., Apt. #3
 Stevenson, Howard Richard, Jr. 17 Mt. Clemens H.S. 210 Beuland St.

MINNESOTA

Foley *Adelman, Evelyn Luella 17 Foley H.S. RR #2, Sauk Rapids

Hutchinson *Bloomquist, Carol Anne Alma 17 Hutchinson H.S. 316 Grove St. S.
 Little Falls Larson, Richard David 17 Little Falls H.S. 735 First St. N.E.
 Mound Peterson, Kenneth Alan 17 Mound H.S. Rt. 2, Box 256
 Red Wing Schultz, Gerald Edward 17 Central H.S. 1719 W. Sixth St.
 St. Cloud *Nelson, Karen Anne 17 Technical H.S. 233 Fifteenth Ave. S.

MISSOURI

Jennings Jones, Marvin Thomas 17 Jennings Senior H.S. 2615 Kinamore Dr. 21
 Kansas City *Stenzel, Judith Rae 17 Southwest H.S. 1208 W. 64th Terr.
 Springfield Burgin, Robert Louis 17 Springfield Senior H.S. 1119 N. Jefferson Ave. 2
 Gell, Frederick George 17 Springfield Senior H.S. 915 Kings Ave. 4
 Newhard, Jack Wendel 16 Springfield Senior H.S. 422 W. Portland 3
 West Plains Carr, William Ned 17 West Plains H.S. 301 S. Minnesota St.

MONTANA

Bozeman Forsythe, Alan K. 18 Gallatin Co. H.S. P.O. Box 231
 Missoula *Browman, Audra Elizabeth Ann 16 Missoula Co. H.S. 664 S. Sixth East

NEBRASKA

Omaha Oleson, Thomas Arthur Anthony 17 Benson H.S. 4304 Erskine St. 4

NEW HAMPSHIRE

Exeter Barton, John Bayes 17 The Phillips Exeter Academy 419 Union Ave.,
 Batavia, Ill.
 Laconia Pringle, James Scott 16 Laconia H.S. 108 Academy St.
 Ritterbush, Philip Christopher 17 Laconia H.S. 20 Lafayette St.

NEW JERSEY

Bogata *Doremus, Judith Carol 17 Bogata H.S. 144 E. Magnolia Ave., Maywood
 Jersey City *Schneid, Carolyn Frieda 16 Wm. L. Dickinson H.S. 36 Sherman Pl. 7
 Millburn Greenleaf, Newcomb 16 Millburn H.S. 27 Woodcrest Ave., Short Hills
 Wollstadt, Roger Davis 17 Millburn H.S. 87 Elm St., Maplewood
 Princeton *Vajk, Antonia Margaret 17 Princeton H.S. Box 73, Princeton Junction
 Rutherford Wattson, Richard Bell 17 Rutherford H.S. 157 Prospect Pl.
 Springfield Wesner, John William, Jr. 17 Jonathan Dayton Regional H.S. 64 Dogwood Lane,
 Berkeley Heights
 Trenton Waters, David Charles 17 Trenton Central H.S. 102 Spring St. 8

NEW YORK

Baldwin O'Brien, John William, Jr. 17 Baldwin H.S. 1 Southard St.
 Bayside Comly, James Baldwin 17 Bayside H.S. 40-26 205th St. 61
 Brooklyn Coopersmith, Michael Henry 17 Brooklyn Tech. H.S. 135 Prospect Park, S.W. 18
 Herbst, John Joseph 17 Brooklyn Tech. H.S. 21-54 Bleeker St., Queens 37
 Ogotalick, Edward J. 16 Brooklyn Tech. H.S. 103 Greenpoint Ave. 22
 Sharples, Robert Edwin 17 Brooklyn Tech. H.S. 1932 Putnam Ave. 27
 Sutherland, Arthur A., Jr. 16 Brooklyn Tech. H.S. 206-22 Whitehall Terr.,
 Queens Village 27
 Weiss, Joseph Franklin 17 Brooklyn Tech. H.S. 227-39 Murdock Ave.,
 Queens Village 29
 Wolf, Barry Morton 17 Brooklyn Tech. H.S. 701 Bradford St. 7
 Ziener, George Henry 17 Brooklyn Tech. H.S. 2145 - 80th St. 14
 Abrams, Robert Leonard 16 Erasmus Hall H.S. 342 Linden Blvd. 3
 Goldstein, Bernard Raphael 16 Erasmus Hall H.S. 609 Montgomery St. 25
 *Goll, Joyce Audrey 17 Erasmus Hall H.S. 2620 Cortelyou Rd. 26
 Kaplan, Barry Hubert 15 Erasmus Hall H.S. 482 Empire Blvd. 25
 Minkus, Jerome Bernard 17 Erasmus Hall H.S. 462 Crown St. 25
 Plotz, Paul Hunter 16 Erasmus Hall H.S. 80 Westminster Rd. 18
 Sand, Robert Henry 17 Erasmus Hall H.S. 275 Linden Blvd. 26
 *Stegel, Joan Claire 16 Erasmus Hall H.S. 2121 Beekman Pl. 25
 Silverberg, Steven George 15 Erasmus Hall H.S. 239 Ocean Ave. 25
 *Solomon, Gail Ellen 15 Erasmus Hall H.S. 1593 President St. 13
 *Ziegler, Myrna Grace 15 Erasmus Hall H.S. 539 Montgomery St. 25
 Lapidus, Ira Marvin 16 Thomas Jefferson H.S. 1149 Putnam Ave. 21

Frankel, Herman Morris 15 Abraham Lincoln H.S. 2212 E. 7th St. 23
 Korenman, Victor 16 Abraham Lincoln H.S. 150 Brighton 15th St. 35
 Solfer, David 16 Abraham Lincoln H.S. 1273 E. 10th St. 30
 *Bialick, Marcia 16 Midwood H.S. 1079 E. 18th St. 30
 Bromberg, Nathan Schiff 17 Midwood H.S. 1819 Ave. "L" 30
 Gottlieb, Felix Isaac 17 Midwood H.S. 1153 E. 19th St. 30
 Lass, Roger George 17 Midwood H.S. 1564 E. 7th St. 30
 Lehrich, James Richard 16 Midwood H.S. 1127 E. 13th St. 30
 Moss, Stephen 16 Midwood H.S. 1650 Ocean Av e. 30
 Nagler, Michael Nicholas 17 Midwood H.S. 2822 Avenue "L" 10
 Podos, Steven Maurice 16 Midwood H.S. 1169 W. 8th St. 30
 Posner, Paul 15 Midwood H.S. 545 Ocean Parkway 18
 Widmann, Warren David 17 Midwood H.S. 1615 Schenectady Ave. 34
 Katz, Maurice Joseph 16 Talmudical Academy 1252 - 54th St. 19
 Fink, Sheldon Barry 17 Samuel J. Tilden H.S. 4715 Church Ave. 3
 Strober, Warren 16 Samuel J. Tilden H.S. 635 E. 53rd St. 3
 Milley, Paul Samuel 17 Churchville-Chill Central School 3727 Chill Rd.
 Whaland, Norman Delbert, Jr. 17 Bethlehem Central H.S. 370 Wellington Rd.
 Gerhard, Lee Clarence 16 Bloomfield Central H.S. R.D. 1, Holcomb
 Sprawk, Richard Andrew 17 Southside H.S. 516 Davis St.
 Wolf, Edward Lincoln 17 Fairport H.S. 166 High St.
 Far Rockaway Arnold, Allan Abraham 16 Far Rockaway H.S. 466 Beach 67th St., Arverne
 Forest Hills Charles, Claude R. 16 Forest Hills H.S. 68-64 Yellowstone Blvd. 75
 *Finkelstein, Barbara Joan 16 Forest Hills H.S. 70-44 - 137th St.
 Kew Gardens Hills 67
 Gray, Edward 16 Forest Hills H.S. 66-15 Wetherole St., Rego Park 74
 Heliczer, Peter George 16 Forest Hills H.S. 118-37 Metropolitan Ave.,
 Kew Gardens 15
 Palmer, William F. 16 Forest Hills H.S. 9226 - 71st Ave. 75
 Rose, Robert Michael 16 Forest Hills H.S. 72-07 - 136th St., Flushing 67
 Slater, Lewis Mark 16 Forest Hills H.S. 144-27 - 70th Ave., Flushing 67
 *Spark, Clare Lois 16 Forest Hills H.S. 105-33 - 65th Rd. 75
 Stryer, Lubert 15 Forest Hills H.S. 102-55 - 67th Dr. 75
 *Ulman, Elizabeth Barbara 16 Forest Hills H.S. 8300 Talbot St., Kew Gardens 15
 *Zeller, Elizabeth Lee 17 Forest Hills H.S. 83-09 Talbot St., Kew Gardens 15
 Garden City Seil, David Edwin 17 Garden City H.S. 29 Brixton Rd.
 Hempstead Elvin, Robert Philip 15 Hempstead H.S. 48 Baldwin Rd.
 Highland Hecht, Robert Joseph 16 Highland H.S. Milton Rd., R.F.D. #1
 Kenmore Gillespie, John Raymond 17 Kenmore Senior H.S. 75 Princeton Blvd. 17
 Mitts, Stuart Neil 17 Kenmore Senior H.S. 97 Byron Ave. 23
 *Todd, Orilee 16 Margaretville Central H.S. Arena
 Margaretville Penney, Robert Vincent 17 Newburgh Free Academy 221 First St.
 Newburgh Arnou, Daniel Joseph 17 New Rochelle H.S. 18 Stratford Rd.
 New Rochelle *Botwinick, Elaine Ruth 17 New Rochelle H.S. 57 Trenor Dr.
 Buck, Roger Colville 17 New Rochelle H.S. 14 Springdale Rd.
 Low, Kenneth Brooks 18 New Rochelle H.S. 19 Montgomery Pl.
 Notarius, Harvey Jay 17 New Rochelle H.S. 25 Lispenard Ave.
 Oxman, Michael Neil 17 New Rochelle H.S. 110 Calhoun Ave.
 Stern, Richard David 17 New Rochelle H.S. 10 Beechtree Dr., Larchmont
 Goldman, Allen Marshall 16 Bronx H.S. of Science 2535 Davidson Ave. 68
 Lehman, Ralph Arnold 16 Bronx H.S. of Science 310 W. 106th St. 25
 Pascal, Robert R. 16 Bronx H.S. of Science 359 Mosholu Parkway N. 67
 *Sorrentino, Eleanor Ann 17 Bronx H.S. of Science 107 De Kalb Ave., Brooklyn 1
 *Steinbock, Suzanne Ruth 16 Bronx H.S. of Science 136 Bell Rd., Scarsdale
 *Tausk, Florry Brigitte 17 Bronx H.S. of Science 44 Bennett Ave. 33
 *Bronshvag, Myrna Adele 16 Evander Childs H.S. 3184 Tierney Pl. 61
 Suda, William Alfred 16 Benjamin Franklin H.S. 302 E. 117th St. 35
 Goch, Stephen Jay 15 James Monroe H.S. 1082 Virginia Ave. 72
 *Grossman, Annette 17 James Monroe H.S. 1283 Bronx River Ave. 72
 Janus, Warren Todd 15 James Monroe H.S. 1430 Parkchester Rd. 62
 Schatzman, Morton 17 Ramaz H.S. 110 Worth St.
 Bershad, Neil Jeremy 16 Stuyvesant H.S. 15 Stuyvesant Oval 9
 Ellis, Jordan 17 Stuyvesant H.S. 918 Falle St. 59
 Goodstein, Charles 16 Stuyvesant H.S. 336 E. 18th St. 3
 La Flandra, Joseph 17 Stuyvesant H.S. 3492 Kingsland Ave. 69

London, George Whitney 16 Stuyvesant H.S. 41-63 Frame Pl. Flushing 55
 Markstein, Peter Willy 16 Stuyvesant H.S. 221 Remsen Ave., Brooklyn 12
 Schildkraut, Carl Louis 16 Stuyvesant H.S. 1864 - 85th St., Brooklyn 14
 Sobol, Melvin Philip 17 Stuyvesant H.S. 1459 Boston Rd. 60
 Solarski, John Edward, Jr. 17 Oceanside H.S. 69 Vernon Ave., Rockville Centre
 Adams, Morton Samuel 17 Sodus Central H.S. Sodus
 *McGee, Dorothea Marie 16 Marymount Secondary School 382 Valley Rd.,
 River Edge, N.J.
 Tottenville Langtry, David Alec 16 Tottenville H.S. 177 Woodvale Ave., Staten Island 9
 Union Springs Foster, Dalton Peter 16 Union Springs Central H.S. R.F.D. #1, Cayuga
 White Plains Collins, William Kenneth Peter 17 Archbishop Stepinac H.S. 22 Cypress St.,
 Yonkers 4
 Donson, Nathaniel 17 White Plains H.S. 95 Caterson Terr., Hartsdale

NORTH CAROLINA

Charlotte Jenkins, John Edward, Jr. 16 Harry P. Harding H.S. 920 Westbrook Dr. 6
 Hillsboro Kenyon, Van Leslie, III 17 Hillsboro H.S. R.F.D. #2
 Raleigh *Browne, Susan Hand 18 Needham Broughton H.S. 1011 Dixie Trail

OHIO

Cincinnati Blerhorst, John William, III 17 Walnut Hills H.S. 57 Flanders Lane 18
 Dayton Kitchen, Joseph Weston, Jr. 17 Fairview H.S. 3934 Riverside Dr. 5
 Lakewood Dragt, Alexander James 17 Lakewood H.S. 1337 Beach Ave. 7
 Vermilion Bodde, Bernard Paul 17 Vermilion H.S. R.D. #2 Mason Rd.

OKLAHOMA

Oklahoma Coates, Dannie Richard 17 Putnam City H.S. 5729 N.W. 32nd St. 12
 City
 Tulsa Anderson, William French 17 Tulsa Central H.S. 232 E. 27th Pl. 5

OREGON

Klamath Falls *Bubb, Janis Ann 18 Klamath Union H.S. 131 Dahlia
 McMinnville Lowe, James Norman 17 McMinnville H.S. 1424 E. 9th St.
 Portland Herlein, Richard Francis 16 Central Catholic H.S. 1622 S.W. Taylors Ferry Rd. 19

PENNSYLVANIA

Allentown Scanlin, Harold Preston 16 Allentown H.S. 31 S. West St.
 Stoyert, Richard David 17 Allentown H.S. 1032 N. 21st St.
 Helfrich, Ernest Raymond 17 Parkland H.S. Box 312, R #1, Copley
 *Oldham, Dorothy Catherine 17 Parkland H.S. R #1, Orefield
 Ardmore Hardy, George Frederick 16 Lower Merion Senior H.S. 5 W. Newfield Way,
 Bala-Cynwyd
 Coopersburg Mahood, William Lee 17 Coopersburg H.S. R.F.D. #1
 Pittsburgh Ruckle, William Henry 17 Fifth Avenue H.S. 132 Third Ave. 22
 Mollenauer, Linn Frederick 17 Mt. Lebanon H.S. 1147 Cedar Blvd. 28
 Stiening, Rae Frank 16 Mt. Lebanon H.S. 82 Hoodridge Dr. 28
 *Hess, Marilyn Ruth 17 Wilkensburg H.S. 506 Hill Ave. 21
 Scranton Gorniak, George Robert 16 Scranton Prep. School 641 N. Irving Ave. 10

RHODE ISLAND

Wakefield *Moran, Patricia Alice 17 South Kingstown H.S. 25 Whitford St.

SOUTH CAROLINA

Seneca *Pitts, Sylvia Raymond 17 Seneca H.S. 311 S. Fifth St.
 Lancaster Falle, John Berry 18 Lancaster H.S. 306 S. Catawba St.

SOUTH DAKOTA

Aberdeen Westley, Curtis Eugene 17 Central H.S. 1022 N. Washington St.
 Faulkton Macek, Robert James 17 Faulkton H.S. Faulkton
 Sioux Falls Burk, Wayne Eugene 17 Washington H.S. 1800 E. 7th St.

TENNESSEE

Bristol Rucker, William Berkley 17 Tennessee H.S. 128 Holborn St.
 Nashville Compton, Revis Earl, Jr. 17 Isaac Litton H.S. 1407 Riverside Dr. 6
 Oak Ridge *Blankenship, Jane Carruth 17 Oak Ridge H.S. 119 Virginia Rd.
 Deweese, Robert Elmer 17 Oak Ridge H.S. 105 Malvern Rd.

TEXAS

Austin Basford, Robert Loyd 17 S.F. Austin H.S. 3217 Bonnie Rd. 3
 Oliver, Peter Lee 17 S.F. Austin H.S. 305 E. 32nd St. 5
 Dallas Shipley, Marcus McCarley 18 Highland Park H.S. 3504 Lindenwood
 Dimmitt Allredge, Gerald Palmer 18 Dimmitt H.S. P.O. Box 447
 El Paso Seeger, Philip Anthony 16 El Paso H.S. 3300 Piedmont Ave.
 Palestine *Miller, Ira Mae 17 A.M. Story H.S. 900 W. South St.

VERMONT

Springfield Gillette, Timothy Cowles 18 Springfield H.S. 107 Park St.

VIRGINIA

Arlington Chilton, Frank McGloin, Jr. 17 Washington-Lee H.S. 2112 N. Kentucky St.
 Charlottesville *O'Meara, Eleanor Worthington 17 Lane H.S. 316 Alderman Rd.
 Martinsville *Hermes, Doris Jean 18 Martinsville H.S. 905 Jefferson Circle
 Norfolk Wilson, Floyd 18 Booker T. Washington H.S. 1322 Wide St. 4

WASHINGTON

Cashmere (Dusek) Rockenfield, Douglas Floyd 18 Cashmere Senior H.S. 210 Mission Rd.
 Olympia Williams, Phillip Lee 17 Olympia H.S. 3116 Maringo Rd.
 Spokane Priebe, George Walter 17 Lewis and Clark H.S. 2514 Grand Blvd. 35

WEST VIRGINIA

Charleston Powell, William Richard 17 Charleston H.S. 4416 Lancaster Ave. 4
 Follansbee *Walliser, Virginia Lee 17 Follansbee H.S. 4041 Palisades Dr., Weirton

WISCONSIN

Kenosha Schutt, Paul Louis 16 Kenosha H.S. 7320 Third Ave.
 La Crosse Hoglund, Richard Leroy 17 Central H.S. 345 S. 21st St.
 Marshfield Hagen, Ralph Henry 16 Columbus H.S. 1502 S. Chestnut Ave.
 Milwaukee Miller, Gerald Ray 17 Lutheran H.S. 2371 N. Hubbard St. 12
 Wagner, William Gerard 17 Messmer H.S. 715 E. Glendale Ave., Shorewood
 Reedsburg Sutton, Paul Warren 16 Reedsburg H.S. 120 West Ave.
 Wisconsin *Hornigold, Nancy Ann 17 Lincoln H.S. 510 Ninth St. S.
 Rapids Jaecks, Duane Harvey 18 Lincoln H.S. 171 3rd St. N.

WYOMING

Riverton Pontecost, Benlee Arthur 17 Riverton H.S. Mt. View Court, Box 180

THE BEST WAY TO KEEP INFORMED

The best way to keep informed about the Science Talent Search is to belong to Science Clubs of America. The 15,000 sponsors of affiliated clubs receive regular communications concerning this annual event open to high school seniors. They also are informed of the other annual event conducted by SCA - The National Science Fair - open to sophomores, juniors and seniors in secondary schools. Adults who are not receiving this free service should write for information to:

Science Clubs of America
 1719 N St. N.W.
 Washington 6, D.C.

STATE SCIENCE TALENT SEARCHES

Since 1948 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 1954 follow with the director of each indicated.

Alabama: Alabama Academy of Science
 Dr. James L. Kassner, Prof. of Chemistry, University of Alabama, University
 Arkansas: Arkansas Academy of Science
 Dr. Herndon G. Dowling, Dept. of Zoology, University of Arkansas, Fayetteville
 Connecticut:
 Director to be named. Send requests for information to Science Clubs of America
 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
 Louisiana: Louisiana Academy of Sciences
 Mrs. A.S. Gates, Science Teacher, Baton Rouge High School, Baton Rouge
 Maine: University of Maine
 Dr. George Davis, Asst. Prof. of Education, University of Maine, Orono
 Massachusetts: American Academy of Arts and Sciences
 Dir. of Mass. STS, American Academy of Arts and Sciences, 28 Newbury St., Boston
 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
 Dr. Arthur F. Nelson, Prof. of Chemistry, State Teachers College, St. Cloud
 Montana: Montana State College
 Mr. Adrien L. Hess, Asst. Prof. of Mathematics, Montana State College, Bozeman
 New Hampshire:
 Dr. Robert Blicke, Dept. of Entomology, University of New Hampshire, Durham
 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
 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: University of Vermont
 Dr. Charles Ernest Bram, Head, Dept. of Chem., University of Vermont, Burlington
 Virginia: Virginia Academy of Science
 Dr. Edward R. Dyer, Jr., Prof. of Astronomy, University of Virginia, Charlottesville
 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
 Dr. S. F. Darling, Prof. of Chemistry, Lawrence College, Appleton

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 THIRTEENTH 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 7, 1953.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N. W., Washington 6, D. C., not later than midnight, Sunday, December 27, 1953.

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 25-March 1, 1954, 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.