

# Rules and Regulations

THE FIFTEENTH 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 5, 1955.

All entries must reach the offices of Science Clubs of America, 1719 N Street, N. W., Washington 6, D. C., not later than midnight, Tuesday, December 27, 1955.

## 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 1-5, 1956, 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.

1956

# THE WINNERS AND HONORABLE MENTIONS IN THE 15th 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 4200 contestants in the first fourteen 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 fourteen 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 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.

## ABOUT THE WASHINGTON TRIP WINNERS

Three hundred boys and girls, who are believed to have unusual potential scientific ability, have been selected from the 1956 senior classes of the United States secondary schools and have been awarded honors in the Fifteenth 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 March 1 through March 5, 1956, 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 19 years of age and come from 36 cities in 21 states and the District of Columbia. They were picked by the judges from among 20,828 contestants of whom 3,375 completed their entries by taking a science aptitude examination, obtaining recommendations and writing a report on "My Scientific Project." Examination requests were received from every state.

Of the 40 Fifteenth Annual Science Talent Search winners, 55% 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 19.2% 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 \*Fisher, Hersha Sue 17 West Phoenix H.S. 1530 West Earll Dr.  
Tucson Halpern, Martin Brent 16 Tucson H.S. 25 Camino Espanol

### CALIFORNIA

Inglewood Nearing, James Carr 17 Inglewood H.S. 5007 W. 118th St., Hawthorne  
Los Angeles Rony, Peter Roland 16 Los Angeles H.S. 500 N. Wilcox Ave. 4  
Truckee Anderson, Gary Bertel 17 Box 311, Tahoe City *Tahoe - Truckee H.S.*

### DISTRICT OF COLUMBIA

Washington Gray, Charles Augustus 17 Woodrow Wilson H.S. 4917 Rodman St., N.W. 15

### GEORGIA

Atlanta Venable, John Heinz, Jr. 17 Northside H.S. 2418 Howell Mill Rd., N.W.

### ILLINOIS

Hinsdale \*Matchett, Mary-Dell 17 Hinsdale Township H.S. 112 East The Lane  
Sycamore Clark, John Bell 18 Sycamore H.S. 108 Lincoln St.  
Urbana Bardeen, James Maxwell 16 University H.S. 55 Greencroft St., Champaign

### INDIANA

Indianapolis Yost, James Whitney 16 Arsenal Technical H.S. 1505 Pleasant St. 3  
Nading, Lewis Karl 18 Shortridge H.S. 3840 Central Ave. 5  
South Bend Diamondis, Pete John 19 Central Jr.-Sr. H.S. 715 South Bend Ave. 17

### IOWA

Floyd \*Thorson, Margaret Ann 17 Floyd Consolidated H.S. RFD #1, Charles City

### MAINE

Augusta Brower, Edmond Dehm 17 Cony H.S. 5 Hospital St.

### MARYLAND

Silver Spring Moore, Robert Thorpe 17 Montgomery Blair H.S. 810 Langley Dr.

### MASSACHUSETTS

Newtonville Gorn, Robert Aaron 17 Newton H.S. 34 Laudholm Rd., Newton 58

### MICHIGAN

Mason Carroll, Robert Lynn 17 Mason H.S. 403 W. South St.

### MINNESOTA

Minneapolis Campbell, John Howland 17 University H.S. 153 Orlin Ave., S.E. 14  
Mound Hoxie, Dwight Thomas 18 Mound Consolidated H.S. Navarre Rural Station,  
Wayzata  
Rochester O'Brien, Thomas William 17 Lourdes H.S. 25 Thirteenth Ave., S.E.

### MONTANA

Shelby Hood, Leroy Edward 17 Shelby H.S. Box 784

### NEW HAMPSHIRE

Exeter Johnson, Dennis Lee 17 The Phillips Exeter Academy 20122 Leadwell St.,  
Canoga Park, Calif.

### NEW JERSEY

Lakewood Kayser, Boris Jules 17 Lakewood H.S. 640 Cross St.  
Madison \*Och, Rosemary Patricia 16 Bayley Ellard H.S. 28 Albright Circle

# NEW YORK

Brooklyn	Lichtenbaum, Stephen 16	James Madison H.S. 1817 Stuart St. 29
	Solovay, Robert Martin 17	Midwood H.S. 3004 Bedford Ave. 10
	*Zimet, Susan Elizabeth 15	Midwood H.S. 953 E. 31 St. 10
	Zwillenberg, Melvin Leslie 17	Yeshiva University H.S. 836 Crown St. 13 ✓
Forest Hills	Groder, Martin Gary 16	Forest Hills H.S. 65-73 162 St. 65
Kenmore	*Hansen, Carolyn Marjorie 17	Kenmore Sr. H.S. 40 Danbury Lane 17
Lockport	Miller, John Charles 17	Lockport Sr. H.S. 80 Grasmere Rd.

# OKLAHOMA

Tulsa	Runnels, Lynn Kelly 17	Central H.S. 103 N. Columbia Pl. 10
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# OREGON

Eugene	Ch'en, Daniel 18	Eugene H.S. 2043 Onyx St.
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# PENNSYLVANIA

Braddock	Egnitz, Ronald Michael 16	St. Thomas H.S. 1125 Kirkpatrick Ave., North Braddock ✓
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# VIRGINIA

Arlington	Ford, Edwin Foster 17	Wakefield H.S. 3071 S. Woodrow St.
Newport News	Edmunds, Leland Nicholas, Jr. 16	Newport News H.S. 1344 23rd St.

# WASHINGTON

Seattle	Goodman, John Mott 16	Lincoln H.S. 4716 Fremont Ave. 3
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# WISCONSIN

Appleton	*Joyce, Carol Ann 17	Appleton Sr. H.S. 503 W. Spring St.
Marshfield	*Riendl, Ida Louise 17	Columbus H.S. 1009 S. Vine Ave.

## 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 Fifteenth 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 Fifteenth 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 Fifteenth Annual Science Talent Search, 35% of the boys and 49% 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, 216 belong to science clubs of which 117 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 49 girls and 211 boys.

## Honorable Mentions

\* indicates girls  
H.S. indicates High School

HOME ADDRESS follows name of school  
AGE of winner follows name

# ALABAMA

Tuscaloosa	Mitchell, Ferdinand Haverman, Jr. 17	Tuscaloosa H.S. 10 Buena Vista
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# ARIZONA

Flagstaff	Gaines, Alan McCulloch 17	Flagstaff H.S. 906 N. Beaver St.
Phoenix	Bjorklund, Thomas Kieth 18	North Phoenix H.S. 1936 E. Cambridge Ave.
	Goletz, Albert Francis 17	North Phoenix H.S. 6606 N. 10th St.
	Iser, David Allen 17	North Phoenix H.S. 44 E. Weldon St.
	*Miller, Leora Joan 17	North Phoenix H.S. 2233 E. Cambridge Ave.
	*Noble, Charlene Faye 17	North Phoenix H.S. 1241 E. Cambridge Ave.
	Schwarz, Bernd K. 17	North Phoenix H.S. 7015 N. Fifth Pl.
	*Fields, Beverly Ione 17	West Phoenix H.S. 1629 W. Virginia St.
	Golden, Robert Ray 17	West Phoenix H.S. 4225 N. 15th Ave.
	Peake, Edmund James 17	West Phoenix H.S. 522 W. Coronado Rd.
	Schmieder, Carl 17	West Phoenix H.S. 2109 N. 12th Ave.

# CALIFORNIA

Belmont	White, Richard Roy 16	Carlmont H.S. 103 Northam Ave., San Carlos
	*Treher, Joan Dodds 16	Notre Dame H.S. 1316 Paloma Ave.
Carmel	Reid, Kyrk Dennis 17	Carmel H.S. Box 118
Long Beach	Weill, Lawrence Randolph 17	Woodrow Wilson H.S. 15 68th Pl.
Los Angeles	*Victor, Judith Carolyn 17	Fairfax H.S. 730 N. Crescent Hts. Blvd 46
	Pollichar, Raulf Maurice 17	Washington H.S. 1916 W. 77th St. 47
	Wilkinson, John Fergus 15	Tamalpais H.S. 93 Cazneau Ave., Sausalito
Mill Valley	Palmer, Jeremy Michael 18	North Hollywood H.S. 4535 Camellia Ave.
North Hollywood	Gill, Stephen Paschall 17	Palo Alto Sr. H.S. 2501 Waverley St.
Palo Alto	Pering, Neil Curtis 17	Palo Alto Sr. H.S. 11 Tevis Pl.
	Garton, William Calvin 18	Reedley Jr. Union H.S. 1410 East Ave.
Reedley	Mandell, Richard Lee 17	Rosemead H.S. 4224 N. Rosemead Blvd.
Rosemead	*Hatcher, Margot Inez 16	Point Loma H.S. 4454 Osprey St. 7
San Diego	Belmont, Peter Albert 17	Lowell H.S. 55 Merced Ave. 27
San Francisco	Richard, Robert Carter 17	Santa Barbara H.S. 4175 Lago Dr.
Santa Barbara	Williamson, Stanley Gill 17	Santa Barbara H.S. 1220 Diana Lane
	McColl, Robert William 17	South Gate H.S. 4914 Tweedy Blvd.
South Gate	Ginsburg, Samuel 16	Verdugo Hills H.S. 10439 Pinyon Ave.
Tujunga	Kendig, Albert Prall 17	Verdugo Hills H.S. 6844 Beckett St.
	Ross, Daniel 17	Verdugo Hills H.S. Summitrose St.

# DELAWARE

Hockessin	Armsby, Robert Henry 17	Sanford Prep. School 3718 Appleton St., N.W. Washington 16, D.C.
Wilmington	Freeman, Kenneth Paul 17	Wilmington H.S. 1004 Rodman Rd. 5

# DISTRICT OF COLUMBIA

Washington	Kales, Arthur Norman 16	Anacostia H.S. 4133 4th St., S.E. 20
	*Meluzin, Sylvia Ann 17	Anacostia H.S. 1917 T Pl., S.E. 20
	*Serot, Naomi Maxine 17	Anacostia H.S. 4307 First St., S.E. 20
	Grisoff, Stephen Foster 16	Coolidge H.S. 1448 Primrose Rd., N.W. 12
	Lipkowitz, Eugene Victor 16	Coolidge H.S. 1414 Sheridan St., N.W. 11
	Hedrick, Charles Edward, Jr. 17	Gonzaga H.S. 320 Ashby St., Alexandria, Virginia
	Van Way, Charles Ward, III 16	Sidwell Friends School 4901 Tilden St., N.W. 16

# FLORIDA

Ft. Lauderdale	DesCamps, Julius Robert, Jr. 18	Ft. Lauderdale H.S. Box 223
Jacksonville	Webb, Terence Eugene 17	Andrew Jackson H.S. 7225 Clinton St. 8

Miami Beach Talmage, Frank 17 Miami Beach Sr. H.S. 1580 S.W. 6th St., Miami 35  
Tampa Zipfel, George Gustave, Jr. 17 H.B. Plant H.S. 1914 Oakmont Ave. 9

#### GEORGIA

Atlanta Houze, Richard Neal 17 Brown H.S. 859 Gaston St., S.W. 10  
LaGrange \*Barnes, Roslyn Tennie 17 LaGrange H.S. 735 N. Greenwood St.

#### IDAHO

Idaho Falls Porter, Edwin Herbert 17 Idaho Falls H.S. 1485 Antares Dr.

#### ILLINOIS

Arlington Heights Murray, Maurice Jackson, Jr. 18 Arlington Hts. H.S. Rt. 3, Nickols Rd., Palatine

Cicero Plambeck, James Alan 17 Arlington Hts. H.S. 819 S. Vail Ave.  
Evanston Trefil, James Stanley 17 Morton H.S. 1846 Lombard St., Berwyn  
Bard, John Andress 16 Evanston Twp. H.S. 2755 Lincolnwood Dr.  
Bing, John Howard 17 Evanston Twp. H.S. 2651 Hurd Ave.  
Burdick, Boyce Ross 17 Evanston Twp. H.S. 1024 Mulford St.  
\*Dickson, Sandra Clark 16 Evanston Twp. H.S. 2756 Euclid Park Pl.

\*Kanrich, Elisabeth Anne 16 Evanston Twp. H.S. 83 Salem Lane  
Leitzell, James Daniel 17 Evanston Twp. H.S. 1735 Wesley Ave.  
\*Strunk, Jacqueline Dene 16 Evanston Twp. H.S. 1422 Greenwood St.  
\*Secor, Cynthia Ann 16 Leyden Community H.S. 2600 Silver Creek Dr.  
Franklin Park Achenbach, Fred William 18 Granite City H.S. 2410 Sheridan Ave.  
Granite City Klingel, David Marlo 17 Lyons Twp. H.S. 4109 Ellington Ave., Western Springs  
LaGrange

Oldham, William George 17 Lyons Twp. H.S. 645 S. Catherine St.  
Purple, Edward Bennett 18 Lyons Twp. H.S. 602 N. Ashland Ave.,

LaGrange Park  
\*Raney, Margaret Gail 18 Lyons Twp. H.S. 3937 Ellington Ave., Western Springs

New Lenox Whitney, Myron E. 17 Lyons Twp. H.S. 4125 Linden Ave., Western Springs  
Cooper, James Everett 17 Lincoln-Way Community H.S. 213 S. Mokena St., Mokena

Guzik, Rudolph Patrick 16 Lincoln-Way Community H.S. 240 Center Rd., Frankfort

Oak Park Giannoni, Carlo Boromeheu 16 Fenwick H.S. 2338 Merrimac St., Chicago 39  
Janninck, Donald Richard 17 Fenwick H.S. 1811 N. Lowell Ave., Chicago 39  
West Chicago Nagel, David Joseph 17 Community H.S. 817 E. Grand Lake St.  
Winnetka \*Nesselrod, Margaret Elizabeth 17 New Trier Twp. H.S. 490 Orchard Lane

#### INDIANA

Bloomington McEvoy, Paul Poynter 16 University School 220 S. Jefferson St.

\*Peake, Janna Zoe 16 University H.S. 1018 E. First St.

Connersville \*Neff, Julia Rose 18 Connersville Sr. H.S. R.R. #5

\*Vreeland, Eleanor Lee 17 Connersville Sr. H.S. 9 Westwood Blvd.

Ft. Wayne Lindley, William Thomas 17 Central H.S. 3601 N. Washington Rd.

Hammond Johnson, Theodore Lee 17 Hammond H.S. 8419 Oakwood Ave., Munster

Indianapolis Lerner, Daniel Marc 16 Shortridge H.S. 5402 Graceland Ave. 8

New Castle Semler, Terrence Thor 17 New Castle-Henry Twp. H.S. 613 Elliott Ave.

Plainfield Johnson, Philip Carter 17 Plainfield H.S. 222 S. Vine St.

Valparaiso Czamanske, David York 17 Valparaiso H.S. 1111 N. Franklin Ave.

#### IOWA

Cedar Rapids Schwartz, Daniel Manning 18 Franklin H.S. 1407 32nd St., N.E.

Dubuque \*Smith, Janet Ann 18 St. Joseph Academy 1845 Jackson St.

Fort Dodge Mathews, Robert David 16 Fort Dodge H.S. 2713 16th Ave., N.

Newton Chism, Ralph Mellor 17 Newton Sr. H.S. 1100 W. 9th St., S.

De Penning, David Lee 18 Newton Sr. H.S. R.R. #1, Reasnor

West Union Wendland, Ronald Darwin 17 West Union H.S. R.R. #1

#### KANSAS

Manhattan Gier, Harold Lee 17 Manhattan Sr. H.S. 920 Ratone St.

Neodesha Davis, Raymond Edward 17 Neodesha H.S. 1310 N. Fourth St.  
Wichita Goering, Keith Eugene 17 Neodesha H.S. 623 Church St.  
Livingston, Charles Lloyd 17 East H.S. 1001 N. Yale St. 14

#### KENTUCKY

Louisville Chesnut, Glenn Forrest, Jr. 16 J.M. Atherton H.S. 1264 Bassett Ave. 4

#### LOUISIANA

Baker Lane, Eric Trent 17 Baker H.S. Rt. #1, Box 67

#### MAINE

Blue Hill Perkins, Henry Thomas 17 Stevens Academy Penobscot  
Lewiston Silverman, Arthur Charles 17 Lewiston H.S. 133 Webster St.

#### MARYLAND

Clear Spring Ernst, Charles Milton 17 Clear Spring H.S. Big Spring  
Silver Spring Lubar, Joel Fredric 17 Montgomery Blair H.S. 2718 Colston Dr.

#### MASSACHUSETTS

Brookline Mark, Roger Greenwood 16 Brookline H.S. 111 Walnut Hill Rd., Chestnut Hill 67  
Cambridge MacStravic, James Alan 17 Matignon H.S. 38 1/2 Cherry St., Somerville 44  
Danvers L'Heureux, Conrad Elphege 17 St. John's Prep. School 11 Pond St., Salem  
Hanover Center Joughin, William Louis 18 Hanover H.S. Old Washington St., Hanover

#### MICHIGAN

Bay City Gorzinski, Stanley Jacob 17 St. Joseph School 2721 S. Garfield Rd., Auburn  
Miller, Thomas William 17 St. Joseph School 1606 S. Wenona Ave.  
\*Sheridan, Mary Anne 18 St. Joseph School 648 Midland Rd., Auburn  
Pinconning Miller, Raymond Gerald 17 St. Michael H.S. 523 Third St.  
Portage Bekken, Dean Everett 17 Portage Twp. H.S. 5425 Lovers Lane, Kalamazoo  
Wyandotte Webster, Dale Arroy 18 Roosevelt H.S. 2009 Superior St.

#### MINNESOTA

Excelsior \*Edwards, Georgina Ruth 17 Minnetonka H.S. 9 Dellton St., Rt. 4  
Mankato Schwarz, Edward Lester 16 Bethany Lutheran H.S. R.R. #1, Vernon Center  
Minneapolis Horswill, James William 18 University H.S. 2815 W. 45th St. 10  
Lacabanne, Leon Bouchard 17 University H.S. 911 27th Ave., S.E. 14  
St. Cloud Nelson, Alan Holm 17 Technical H.S. 233 15th Ave., S.  
St. Paul Kelley, Philip Carlos 17 Alexander Ramsey H.S. 633 E. Larpenteur St. 17  
Hohlfelder, Jacque Jerome 17 Central H.S. 2096 Fairmount Ave. 5  
Virginia Vainik, Bernhard Urpo 18 Roosevelt Sr. H.S. 330 First St., S.

#### MISSISSIPPI

Cleveland Wiley, William Jackson 16 Cleveland H.S. 105 S. 5th Ave.  
West Point Tumlinson, James Homer 17 West Point H.S. Barton Ferry Rd.

#### MISSOURI

Lebanon Basinger, Richard Craig 17 Lebanon H.S. Rt. 1, Phillipsburg  
Marionville Kaup, David James 16 Marionville H.S. Marionville

#### MONTANA

Choteau Foxworthy, Melvin Lee 17 Choteau H.S. Box 636  
Great Falls \*Hughes, Iris Marie 17 Choteau H.S. Box 626  
\*Stevens, Karin Cecille 16 Great Falls H.S. 2408 2nd Ave., N.

#### NEVADA

Reno Cairns, Robert Howard 18 Reno H.S. 144 Stevenson St.

#### NEW JERSEY

Jersey City Halpern, Gerald Martin 17 Henry Snyder H.S. 228 Woodlawn Ave. 5  
Passaic Albert, Richard 17 Passaic Sr. H.S. 42 Lincoln St.

Princeton  
Trenton

Oncley, Lawrence Alan 16 Princeton H.S. 660 Ewing St.  
Banchoff, Thomas Francis, Jr. 17 Trenton Catholic Boys' H.S.  
1659 Pennington Rd. 8  
Davidow, Joel 17 Trenton Central H.S. 1508 S. Broad St. 10

NEW YORK

Albany

\*Schabtach, Gretchen 17 Albany Academy for Girls 1186 Lowell Rd.,  
Schenectady 8  
Andrews, Merrill Leroy 16 Milne School 556 Washington Ave. 3  
Bayside  
Bellmore

\*Schachner, Frances Marilyn 17 Bayside H.S. 53-12 196th St., Flushing 65  
Agro, Edward Philip 17 Wellington C. Mephram H.S. 1893 Adair Pl., Merrick  
Swagel, Michael Wayne 16 Wellington C. Mephram H.S. 4 Loines Ave., W.  
Merrick

Brooklyn

Bennett, Benjamin Karp 16 Brooklyn Technical H.S. 31-22 55th St.,  
Woodside 77  
Einbinder, Herbert Muni 17 Brooklyn Technical H.S. 2949 Far Rockaway  
Blvd., Far Rockaway 91  
Rung, Robert 17 Brooklyn Technical H.S. 119-15 23rd Ave., College  
Point 56  
Stark, Peter Alfred 17 Brooklyn Technical H.S. 519 E. 86th St., New York 28  
Stutz, Neil Howard 17 Brooklyn Technical H.S. 85-48 212th St., Queens  
Village 27

\*Block, Carol 16 Erasmus Hall H.S. 1705 Caton Ave. 26  
Budd, Martin Lewis 15 Erasmus Hall H.S. 120 E. 19th St. 26  
Friedberg, Michael Alan 15 Erasmus Hall H.S. 305 Linden Blvd. 26  
Glickman, Robert Morris 16 Erasmus Hall H.S. 33 Hawthorne St. 25  
Horowitz, Stanley Alan 16 Erasmus Hall H.S. 441 Ocean Parkway 18  
Jaffe, Robert Stephen 15 Erasmus Hall H.S. 77 Linden Blvd. 26  
\*Lapovsky, Elizabeth Jane 16 Erasmus Hall H.S. 887 Ocean Ave. 26  
\*Leffert, Joan 16 Erasmus Hall H.S. 86 Argyle Rd. 18  
\*Thaler, Eileen Mae 16 Erasmus Hall H.S. 501 Lefferts Ave. 25  
Herberman, Ronald Bruce 15 Lafayette H.S. 2040 21st Dr. 14  
Goldfeld, Stephen Michael 15 Abraham Lincoln H.S. 115 Brightwater Ct. 35  
Perkovich, Sidney 16 Abraham Lincoln H.S. 542 Sheephead Bay Rd. 24  
Spencer, Norman Albert 16 Abraham Lincoln H.S. 921 Oriental Blvd. 35  
\*Becker, Ann Margaret 15 Midwood H.S. 100 Ave. P 4  
Bernstein, Michael Henry 16 Midwood H.S. 641 E. 17th St. 30  
Friedman, Stanley 16 Midwood H.S. 1110 E. 51st St. 34  
Gilbert, Peter Joel 16 Midwood H.S. 1060 Ocean Ave. 26  
Greenspan, Richard Lewis 16 Midwood H.S. 1168 E. 21st St. 10  
\*Hodes, Sue Ruth 16 Midwood H.S. 386 Rugby Rd. 26  
Rechler, Matthew Melvyn 15 Midwood H.S. 947 E. 22nd St. 10  
Savoy, Paul Norman 16 Midwood H.S. 3021 Ave. I 10  
Seaver, Robert Laurance 15 Midwood H.S. 1908 Newkirk Ave. 26  
\*Sindel, Sara Ross 17 Midwood H.S. 1402 Brooklyn Ave. 10  
Weiss, Marc Steven 15 Midwood H.S. 140 E. 34th St. 3  
Kamrin, Michael Arnold 15 New Utrecht H.S. 5111 14th Ave. 19  
Cyrulnik, Ronald Allan 16 Samuel J. Tilden H.S. 1013 Rutland Rd. 12  
Sherman, Edward Bertrand 16 Samuel J. Tilden H.S. 560 Lefferts Ave. 3  
Puffer, Frank Williams 17 Amherst Central H.S. 241 Washington Hwy. 21  
Hoffman, Vance Eber, Jr. 17 Corning Free Academy R.D. #3, Spencer Hill  
Finger, Karl Mins 16 Croton-Harmon H.S. Glengary Rd.

Buffalo  
Corning  
Croton-on-  
Hudson

\*Braithwaite, Elisabeth Leonore 17 E. Aurora H.S. Falls Rd., West Falls  
Grinbergs, Mikus Janis 16 Ellenville H.S. 19 Church St.  
Dean, Andrew Griswold 17 Fairport H.S. 11 W. Church St.  
Derfner, Armand Georges 17 Forest Hills H.S. 68-37 108th St. 75  
\*Kart, Merna Rose 16 Forest Hills H.S. 150-22 61st Rd. 67  
Lippmann, Henry Erwin 17 Forest Hills H.S. 141-25 78th Ave., Flushing 67  
Lipton, Walter Arno 16 Forest Hills H.S. 137-68 75th Rd., Flushing 67  
\*Schur, Susan Elisabeth 16 Forest Hills H.S. 71-06 136th St., Flushing 67  
Slaton, Stephen Michael 15 Forest Hills H.S. 68-63 108th St. 75  
Miller, Theodore John 17 Glen Cove H.S. 61 1/2 Glen St.  
Farnley, Wesley Peter 17 Holland Patent Central H.S. R.D. #1

Glen Cove  
Holland Patent

Jamaica  
Kenmore  
Mineola  
New Rochelle  
New York

Spivak, Michael David 15 Jamaica H.S. 166-05 89th Ave. 32  
Luhman, Gary Gram 17 Kenmore Sr. H.S. 156 Irving Terrace 23  
Mason, Rodney Jackson, Jr. 16 Chaminade H.S. 4 Wood Ridge Lane, Sea Cliff  
\*Greibach, Sheila Adele 16 New Rochelle H.S. 80 Pryer Terrace  
Barro, Stephen Michael 16 Bronx H.S. of Science 1969 McGraw Ave. 62  
Blume, Philip 17 Bronx H.S. of Science 1886 Harrison Ave. 53  
Grelick, Arthur Edward 16 Bronx H.S. of Science 100 Van Cortlandt Pk., S. 63  
Lindzen, Richard Sigmund 16 Bronx H.S. of Science 2432 University Ave. 68  
Lippert, Alan 16 Bronx H.S. of Science 3440 Gates Pl. 67  
Spatz, Larry 16 Bronx H.S. of Science 55 Knolls Crescent, Riverdale 63  
Zimmerman, Seth Ira 15 Bronx H.S. of Science 2000 Anthony Ave. 57  
\*Worms, Helen Batsheva 17 Hunter College H.S. 720 W. 172nd St. 32  
Lubkin, Saul 16 Stuyvesant H.S. 1444 E. 7th St., Brooklyn 30  
Mittman, Calvin Harold 16 Stuyvesant H.S. 98 Ross St., Brooklyn 11  
Kiley, Roger Timothy 17 Xavier H.S. 28 Van Reypen St., Jersey City 6, N.J.  
Forrest, David Vickers 17 Oceanside H.S. 136 Rockaway Ave., Rockville  
Centre

Oceanside

Rome  
Staten Island  
Tuckahoe  
Tully  
Whitesboro  
Yonkers

Tuzzolino, Ross John 18 St. Aloysius Academy R.F.D. #1, Oriskany  
\*Heine, Elizabeth Mary 17 Curtis H.S. 381 Oakland Ave. 10  
Payne, Nicholas Stockford 18 Eastchester H.S. 5 Manchester Rd.  
\*Glasgow, Janet Ruth 17 Tully Central H.S. R.D. #1  
Murray, John Francis 17 Whitesboro H.S. 248 Main St.  
Goetz, Philip John 17 Roosevelt H.S. 60 Shelburne Rd.

# NORTH CAROLINA

Lenoir

Happer, William, Jr. 16 Lenoir H.S. 205 Woodsway Lane

OHIO

Brookfield  
Cincinnati  
Dover  
Shaker Heights

Voitko, Raymond Paul 17 Brookfield H.S. 155 Third St., Masury  
\*Wesselman, Judith Ann 17 Mother of Mercy H.S. 5673 Karen Ave. 11  
Schuppach, James Jerome 17 St. Joseph's H.S. R.F.D. #1  
\*Bingham, Mary Evelyn 16 Shaker Heights H.S. 3325 Lansmere Rd. 22  
Coplan, Michael Alan 17 Shaker Heights H.S. 3033 Ludlow Rd. 20

Altus  
Bartlesville  
Oklahoma City  
Tulsa

\*Stanton, Norma June 17 Altus H.S. 1300 N. Lee St.  
Blade, Richard Allen 17 College H.S. 1600 Osage St.  
Martin, William Arthur 17 Northwest Classen H.S. 1710 N.W. 38th St. 18  
Widess, Paul Richard 17 Central H.S. 131 E. 26th St. 14  
Sneed, Joseph Donald 17 Will Rogers H.S. 3734 E. 2nd Pl. 12

# OREGON

Gresham

\*Kibler, Katharine Ruth 17 Gresham Union H.S. 13245 S.E. Harold St.,  
Portland 66  
Lethcoe, Ronald James 18 Gresham Union H.S. 334 N.E. 127th St.,  
Portland 16

Portland

Sorenson, James Christian 16 Jefferson H.S. 2506 N.E. Ainsworth St. 11  
Paul, Byron Gene 17 Lincoln H.S. 5960 S.W. 41st Ave. 19  
Erickson, Robert Porter 16 Roosevelt H.S. 7336 N. Washburne Ave. 17

# PENNSYLVANIA

Allentown

Moyer, Robert Dale 17 Allentown H.S. 1544 Hamilton St. (Rear)  
\*Weidner, Marilyn Ann 17 Allentown H.S. 1437 Webster St.  
Wimmer, Harold Peter 17 Altoona Sr. H.S. 125 Landis St.  
Clark, Joseph Abel 17 Lancaster Catholic H.S. 1617 New Holland Pike  
Saturen, David Haskell 16 Overbrook H.S. 2641 Lenape Rd. 31  
Gottschall, Walter Carl, Jr. 17 Mt. Lebanon H.S. 530 Hillcrest Pl. 16  
Dixon, Bruce Wayne 17 Wilkinsburg Sr. H.S. 119 Cherry Valley Rd. 21  
White, Robert Marshall 17 Mt. Penn H.S. 3104 Filbert Ave.

Altoona  
Lancaster  
Philadelphia  
Pittsburgh

Reading

Pawtucket

# RHODE ISLAND

Beaudet, Paul Roger 17 St. Raphael Academy 89 Brookdale Blvd.

Providence Strauss, Charles Michael 17 Classical H.S. 89 Washington Ave. 5  
Valley Falls Boyd, Milton Earl, Jr. 17 Cumberland H.S. 701 High St., Lonsdale  
Warwick Whiting, Basil John, Jr. 18 Warwick Veterans Memorial H.S. 141 Norwood Ave., Norwood 7

#### SOUTH CAROLINA

Whitmire Yount, John David 17 Whitmire H.S. Nance St.

#### SOUTH DAKOTA

Yankton \*Nitteberg, Verna Lee 17 Yankton H.S. 810 Linn St.

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Crossville Burgess, Sanford Elmo 18 Cumberland County H.S. Box 22  
Knoxville Bloomer, James Lawrence 17 Fulton H.S. 2239 Whittle's Springs Rd. 17  
Oak Ridge Pollard, Edward Riley, Jr. 18 Oak Ridge H.S. 105 Principia St., #101

#### TEXAS

Abilene Harter, Joseph William, III 16 Abilene H.S. 1173 Barrow St.  
Dallas Sarrafian, Allison Harrison 17 Highland Park H.S. 4580 Bordeaux St. 5  
Johnson, Claiborne Holt, Jr. 17 Jesuit H.S. 6057 DeLoache Ave. 25

#### VIRGINIA

Arlington Adelberger, Eric George 17 Washington-Lee H.S. 1317 N. Wayne St. 1  
Blake, William Henry, Jr. 17 Washington-Lee H.S. 309 N. Greenbrier St. 3  
Carrera, Nicholas John 17 Washington-Lee H.S. 2243 N. Columbus St. 7  
Casper, Barry Michael 17 Washington-Lee H.S. 4932 N. 34th St. 7  
Ireland, Clifford Terence 17 Washington-Lee H.S. 3170 N. 18th St. 7  
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Eastville Doughty, William Charles 17 Northampton H.S. Box 33, Willis Wharf  
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#### WASHINGTON

Seattle Kulander, John Lewis 17 Garfield H.S. 2232 E. Blaine St. 2  
Wenatchee McPherron, Rylee Vernon 17 Wenatchee H.S. 534 S. Mission St.

#### WEST VIRGINIA

Charleston Yeager, Leland Reed, Jr. 17 Charleston Catholic H.S. 2205 Oakdale Ave., So. Charleston  
Whitman, Dale Alan 16 Stonewall Jackson H.S. 803 Maple Rd. 2  
Huntington \*Nasser, Yvonne 17 Huntington H.S. 610 Fifth St. 1  
Newman, John Scott 17 Huntington H.S. 208 W. Eleventh Ave. 1  
South \*Hunneshagen, Joanne Irene 17 So. Charleston H.S. 2357 Windham Rd. 3  
Charleston

#### WISCONSIN

Madison \*Treichel, Sandra Lynn 17 Wisconsin H.S. 1234 University Bay Dr.  
Merrill Ebert, Thomas Aaron 17 Merrill Sr. H.S. 502 Sixth St.  
\*Lutzke, Marjorie Eileen 16 Merrill Sr. H.S. Rt. #3  
Milwaukee Kestner, Neil Richard 18 Boys' Technical H.S. 1443 S. 6th St. 4  
Knuth, Donald Ervin 18 Milwaukee Lutheran H.S. 7436 W. Caldwell Ave. 16  
Rautbort, Sidney Ronald 17 Washington H.S. 3016 N. 49th St. 10  
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\* \* \* \* \*

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