THE 47TH ANNUAL

STS

SCIENCE
TALENT
SEARCH

WESTINGHOUSE SCIENCE
SCHOLARSHIPS AND AWARDS

1988
HONORS
GROUP

Administered by SCIENCE SERVICE
1719 N. Street N.W., Washington, D.C. 20036
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Washington Trip Winners

of the

Forty-Seventh Annual Science Talent Search
for the Westinghouse Science Scholarships and Awards

The forty Washington trip winners of the 47th Annual Science Talent Search, among whom $140,000 of Westinghouse Science Scholarships and Awards will be distributed, represent about 3% of those who completed entries in this scientific and educational competition.

Designed to discover and develop scientific and engineering ability among high school seniors, the Science Talent Search is conducted annually for the Westinghouse Science Scholarships and Awards by Science Service, 1719 N Street, N.W., Washington, D.C. 20036.

Sixteen girls and 24 boys are being invited to Washington, D.C. for an all-expenses-paid trip February 25-29, 1988, to attend the Science Talent Institute. Here 10 winners will be selected by the board of judges to receive one of the following four-year Westinghouse Science Scholarships: One $20,000 ($5,000 per year); two $15,000 ($3,750 per year); three $10,000 ($2,500 per year); four $7,500 ($1,875 per year). The remaining 30 contest winners will be given Westinghouse Science Awards of $1,000 each.

The trip winners are 16 to 18 years of age and come from 30 cities in 17 states. They were picked by the judges from among 16,566 contestants of whom 1,339 completed their entries by writing a report on their scientific research, submitting personal data and teacher's recommendations. Completed entries were received from 47 states, the District of Columbia, American Samoa, Puerto Rico, and Overseas American Schools.
Science Talent Search

The Science Talent Search was the pioneering endeavor to discover and encourage high school seniors with the ability to become tomorrow's outstanding scientists and engineers. It has succeeded far beyond the hopes of its founders.

Aided over the years by millions of dollars in Westinghouse scholarships and similar aid from educational institutions eager to have such talented students, many of these discovered by the Search have gone on to distinguished careers. Many have received major recognition, including five who have won Nobel prizes.

The Search itself has become an institution, a prestigious tradition widely approved and supported by the academic community.

Westinghouse Electric Corporation has made a notable contribution to the advancement of science in America by financing the Science Talent Search through the 47 years of its existence.

Science Service, engaged in the interpretation and public understanding of science on a broad front, is proud of administering the annual Science Talent Search. From the educators, journalists, scientists and engineers of America there has been enthusiastic cooperation in this annual activity that means so much to high school seniors interested in science and engineering.

1988 Honors Group

The achieving of Honors in the Science Talent Search is evidence of ability and interest in science and engineering which is taken into consideration by colleges and universities in admissions and granting of scholarships. For this reason this Honors List is distributed to all universities and colleges in the United States. Each of these winning honors is being furnished with multiple certificates intended to accompany applications for college admissions and for scholarships, but a listing in this pamphlet should be accepted as an equivalent certificate. Listed are 124 girls and 176 boys.

From this group of 300 Honors, 40 students are chosen as winners of the Washington trip where $140,000 in scholarships and awards will be announced. The winners are announced subsequent to the distribution of this list and their names will be published in SCIENCE NEWS of January 23, 1988. A copy will be sent upon request.

(age follows name; home address underlined)

ALABAMA

Auburn

Chen, William 17 Auburn H.S. 2039 Orile Dr. 36830 Computer Vision System

Neumark, Cheryl Lynn 17 Auburn H.S. 630 Elizabeth Dr. 36830 EPA and OSHA: Takamine Paradox

Birmingham

Ho, Yen-Ching 17 The Almonton School 1983 Mountain Gap Dr. 35226 Role of Biliary Endogenous Sphingomyelinase in the Development of Gallstones

Bland, Lashue Beane 17 Minor H.S. 635 Vestavia St. 35224 System for Serotyping Streptococcus pneumoniae Based on Pneumococcal Surface Protein

Grand Bay

Moore, Terry Kay 17 Mobile County H.S. R. 2, Box 236 A 36561 Isolation and Characterization of Small Extrachromosomal Circular DNAs

AZARONA

Sierra Vista

Allen, Cynthia Kaye 17 Buena H.S. 3204 Equestrian Ave. 85635 Spectrophotometric Study of Macrophage Response to C. Pneumoniae

CALIFORNIA

Alhambra

Tsou, Christine Cha Ming 17 Alhambra H.S. 3305 Juleich Pl. 91801 Isolation and Identification of High-Density Plasma Lipoprotein

Fresno

Vu, Ann Quy 17 Clovis West H.S. 324 E. Omahas Ave. 93710 Cultivation of Mammalian Sperm: Examining the Biological Significance of Zone Pellucida Binding, the Ability to Undergo An Acrosome Reaction, and Sperr Viscosity

Oberon, Ray Phillip 17 Edison H.S. 6764 N. Rafael 93711 Using a Microcomputer to Predict Impact Speeds and Coefficients of Drag

Ryder, Scott William 18 Edison H.S. 5517 E. Butler 93727 Pezelectric Film as a Real-Time Rain Gauge

North Hollywood

La Jolla

Davis, Gregory Keith 17 La Jolla H.S. P.O. Box 3525 92038 Are the Mean Differences Between Self and Perceived Love Significant?

DeAntonino, Carlo 16 Harvard School 7052 Moorcrest Dr. Encino 91368 Observational Factors Affecting the Determination of the Visual Brightness of Comets

Engin, Oruc 17 North Hollywood H.S. 11830 Magnolia Blvd. #10 91607 Acceleration

Orange

Jacobson, Andrew Marc 17 Miramar H.S. 55 E. Altair Dr. 92653 Insulin "A" Chain That Links Man and Prions, a Further Study of the Effect of Insulin on Prions

Rivera

Furman, Melissa Marie 17 North H.S. 1086 Berryhill Pl. 92507 Nitrogen Fixation to Improve Plant Growth

San Diego

Magde, Laura Susan 16 Gompers Secondary School 3113 Dickinson Ave. 92132 Viscous Fingers as Fractals

San Francisco

Hsouna, Hong B. 16 Hoover H.S. 4364 Van Dyke Ave. 94105 Tumor Cell Maturation Assayed by Changes in Cell Surface Proteins

Thaler, Joshua Paul 15 Lowell H.S. 35 Canterbury Ave. 94116 Planar Convergent Ellipsoidal Interferometer for Far-Infrared Spectroscopic Analysis

Ma, Paul 15 San Marino H.S. 1430 Boulward Rd. 91108 High Resolution Paramagnetic Salt Thermometer for Temperature Measurements Near 4.2K

COLORADO

Lakewood

Ismaelidis, Gregory Iakovos 17 Green Mountain H.S. 730 S. Cole Ct. 80225 Analysis of the Possible Dangers Associated With Malfunctions of a Tethered Satellite

CONNECTICUT

Fairfield

Horowitz, Marc Howard 16 Fairfield H.S. 161 Lampighter Lane 06430 Expert System Shell for a Parallel Processing Computer

DELAWARE

Wilmington

Miller, John Charles 18 Stetsonum School 3 Garrison Cir. Smyrna 19977 Use of Optics in the Automation of Visibility Sensors

FLORIDA

Fort Lauderdale

Novendstern, Sheri Lynn 17 J.P. Taravella H.S. 8482 N.W. 75th Cir. Tenarace 33319 Anti-oxidants: Induced Recombination in Saccharomyces

Jacksonville

Jacobson, Jeffrey Randall 17 Nova H.S. 4250 Van Buren St. Hollywood 33309 Study of the Production and Properties of Interrelated Graphite

Aguilar, Richard Manuel 17 Western H.S. 721 S.W. 158 1a. 33355 Determination of Rotatory Polarization in Sodium Chlorate Crystals

Fort Walton Beach

Debieler, Elizabeth Ann 17 Choctawhatchee H.S. 20 James Ave. Shalimar 32578 The Use of Vibrations to Rid Wood of Termites

Gainesville

Crawford, Russell David 17 Buchholz H.S. 20 S.W. 79th Dr. 32607 Microhardness of Polymer Composites

Microelectronics

Chen, Si 16 Eastside H.S. 278 Corry Village #15 32203 Oracle: The Birth of an Expert System

Jacksonville

Shaeffer, Willette Liddie Pansy 17 Terry Parker H.S. 17565 Deerhunter Rd. 32223 Supercoiling of Iron-Copper Alloys

Melbourne

Riley, Caryn Marie 17 Melbourne H.S. 3501 Halden St. 32905 Development of a Numerical Model of a GaAs MESFET for the Simulation of Design Performance

Miami

Erber, Stephanie Lynn 17 Miami Killian H.S. 7827 S.W. 106 Circle 33173 Cardiovascular, Emotional, and Psychomotor Responses to Feedback During a Frustrating Task

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Palm Beach Gardens.

Beaulieu, Stacey Ellen 16 Palm Beach Gardens H.S. 4072 Box Cir. S. 33410 Enhancement of Citron and Dillenbuckia Canker Symptomology by Xanthum Gum Interaction

Plantation

Zueller, Scott David 17 South Plantation H.S. 10160 S.W. 2nd St. 33324 Correlation Between Hypoglycemia and Other Developmental Anomalies in Caretas Caracas, a Threatened Species

Palm Beach Gardens.

Mondlak, Kurt Allen 17 Ouake Creek H.S. 616 Ridge Blvd. South Daytona 32119 Neuron Energy Spectrum Within a 100 KHz Light Water Reactor

Sunrise

Williams, William Bradley 17 Piper H.S. 13000 N.W. 26 Pl. 33323 Testosterone as a Possible Cause of Coronary Thrombosis and Its Potential Use as a Novel Blood Coagulant in Bleeder's Disease

Tampa

McCabe, Marianne Kaleen 16 Chamberlain H.S. 13315 Orange Grove Dr. 33618 New Revolutions Air-A-Ponics vs. Fast Growers System for the Germination and Growth of the Brassica campestris

GEORGIA

Atlanta

Schafer, Katherine Laural 17 Lakeside H.S. 1920 Mercedes Ct. 30345 What Effect Does Color Have on the Readability of an Afterimage?

Hooker, Brian Casey 17 Benjamin E. Mays H.S. 613 Pecan St., S.W. 30669 Development and Application of a Portable Device for Determination of Atmospheric Carbon Monoxide

Chamblee

Kunda, Robin Ann 17 Henderson H.S. 2054 LaVista Circle, Tucker 30084 Effect of Base Media on Transcription Tests

ILLINOIS

Chicago

Lum, Helen 17 Mather H.S. 6452 N. Fairchild Ave. 60645 Adherence of Streptococcus mutans: Implications for the Construction of the Artificial Heart

Abell, Benjamin S. 17 University of Chicago Laboratory Schools H.S. 5454 S. Shore Dr. 60615 Partial Characterization of the rdE1,rdE2,rdE3,rdE4 Carneal

Evanson

Albrecht, Meredith Ann 17 Evanston Township H.S. 2200 Dallas Ave. 60201 Effect of Geometric Variations in the Developments Phase on the Thermal Diffusivity of Composite Materials

Evanson

Buchanan, David Roberts 17 Evanston Township H.S. 2200 Dallas Ave. 60201 Effects of Temperature and Mixed Solvents on the Thermodynamics of the Rhodamine B Lactone - Zwitterion Equilibrium

Kato, Kei Ito 17 Evanston Township H.S. 2217 Sheridan Rd. 60201 Comparison of the Initial Rates of Reactions of Selected 1-Haloalkanes and the Derivative of a Mathematical Equation

Glen Ellyn

Ramsey, Stephen Allen 17 Glenbard West H.S. 873 Concord Place 60137 Launch Time Optimization in Interplanetary Space Travel

Naperville

Hoshen, Shiri 16 Naperville Central H.S. 912 Shirk Cir. 60561 Calculation of Functional and Structural Alphabets Indices for Amino Acid Sequences

Taylorsville

Daley, Michael Allen 18 Taylorville H.S. 300 E. Adams 62568 Polymer Degradation: Phase II

Urban

Nicholas, Christopher Dean 17 University H.S. 2500 66th Ave. 61801 Comparison of the Uricase and in vivo Ascorbate Reduction Assays for Examination of Nitrogen Activity in Mutant Soybeans Glycin max (L.) Merr.

Bettersdorf

Duncan, Todd Lucas 18 Bettendorf H.S. 3630 S. Hampton Dr. 52722 Photometric Measurements of Suspected Variable Star 27 Cygnus

MARYLAND

Baltimore

Mathews, Susan Eloise 17 High Point H.S. 4610 Lincoln Ave. 20705 Improving Little Falls Dam

Bethesda

Swanson, Eric Thomas 17 Walter Johnson H.S. 5821 Rosemont Dr. 20814 Comparative Analysis of Toxic Patterns of 1-Methyl-4-Pheny1-1,2,3,6- Tetrahydropyridine and Analogs in Cultured Rat Hepatocytes

Belleville, David Benjamin 17 Waub Whitman H.S. 8301 River Trail Lane 20817 Feedback Inhibition of Rat Hippocampal Neurons

Doran, Jr., Charles Francis 16 Wash Whitman H.S. 8544 Brickyard Rd. Poolesville 20837 Stability of the Ligation: A Dynamical Model, A Logical Proof, and an Empirical Test

Bartonsville

Lee, Mary Katherine Elizabeth 17 Paint Branch H.S. 15227 Good Hope Rd. Silver Spring 20901 Effects of Magnetic Anisotropy Procedures on Magnetooptic Properties of Amorphous Metallic Glass Ribbons

Wong, Yi-Wei 16 Paint Branch H.S. 15233 Kingspoint Rd. Silver Spring 20904 Effects of Malachite Green on Cellular Respiration

Silver Spring

Robinson, Michelle Lynn 17 Centennial H.S. 8527 Purlle Twilight 21043 C-fos Regulation for Transient Acr-coalcalcine in Neuron of the Ventromedial Thalamus of Rats: Independence from Principal Afferents and Humoral Factors

Georgia

Glen Burnie

Donohue, Kendall Erselle 17 Glen Burnie H.S. 901 Oak Tree Rd. Severn 21142 Ecotypic Variation of Echeclia coif With Respect to Antibiotic Sensitivity From Anne Arundel County Watersheds

Greenbelt

Chatterton, Jacqueline Ruth 16 Eleanor Roosevelt H.S. 3801 Idle Ct. Bowie 20715 What Sank the Pride of Baltimore?

Cheltenham

Pati, Srijan 17 Eleanor Roosevelt H.S. 8781 Saffron Dr. Lanham 20706 Rotation Stabilizes Cellular Connection: A New Understanding of Solar Granulation

Chesapeake

Mead, James Helen 17 Oxon Hill H.S. 11215 Wheeling Ave. Upper Marlboro 20772 Modal Results of Vibrating Structures

Rockville

Chen, Douglas Seu 17 Thomas S. Wootton H.S. 7 Oxmeade Ct. 20854 Isolation of Weed-Inhibitory Alkaloids in Armeria annua

MASSACHUSETTS

Concord

Waggett, Caral Eleanor 17 Concord-Carlisle H.S. 169 Waverly Rd. 01742 Donolflagellate Population Densities and Species Diversities on Different Substrates in Little Lanes River and Great Lanes River, St. John, the U.S. Virgin Islands

North Andover

Gilbert, Michele 17 North Andover H.S. 98 Marian Dr. 01845 Patterns of Spatial Leadership as a Function of Range Use of the Panamanian Tamandua, Tamandua tetradactyla emblazon

North Dartmouth

Hsu, Leonard 16 Dartmouth H.S. 147 Lexington Ave. 02747 Inverse Sprinklers: Two Simple Experiments and the Resolution of the Feynman-Conferer Conflict

Williamstown

Behr, Bradford Barlowsen 17 Mount Greylock Reg. 1 H.S. P.O. Box 446 01247 Tinsil-Bode Configurations in the Uranian Planetary System

MICHIGAN

Ann Arbor

Mathews, Keith David 17 Huron H.S. 1609 S. University 48104 Introduction of Methylaldehyde into Cellular Metabolism: Removal of the Methyl Group

Houghton

Lee, Dean Jun 16 Hoagton H.S. 1214 E. 5th Ave. 49931 Calculating General Diffraction Losses in Radiometry: An Enhancement of the Present Theory of Approximations

Portage

Taraoka, Karen Sue 17 Portage Central H.S. 410 Marilyn Ln. 49002 Characterization of the Enzyme, Exterin Peroxidase

MINNESOTA

Rochester

Atleske, Chad Daniel 18 John Marshall H.S. 55115 St. Mary's Dr. N.W. 55901 Robotics and Machine Learning: A Three-Year Study

Kansas City

Fay, Michelle Paulette 17 Park Hill H.S. 10086 N.W. Vinton Parkville 64152 Replacement of Barium Carbonate for Barium Oxide in Peroxide Superconductors

St. Louis

Mahabub, Taju Jerry 16 Christian Brothers College H.S. 400 LeMans Way Belleville, H. 62221 Computer Generated Rehabilitation: Its Applications and Outcomes in the Treatment of Visuospatial Agnosia

MISSOURI

St. Louis

32221 Computer Generated Rehabilitation: Its Applications and Outcomes in the Treatment of Visuospatial Agnosia

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In vitro Responses of Rat Alveolar Macrophages to Pseudomonas aeruginosa Polysaccharides

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UATH

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Chang, Shi-Ming 17  
Clearfield H.S. 1657 N. 240 W. Sunset 84015  
Effects of Cavity Size on the Inclusion Complex Formation of Benzaldehyde in Cyclodextrins

Orem  
Hall, Steven Craig 17  
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Virginia

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Humphreys, Jonathan David 17  
Thomas Jefferson H.S. for Science and Technology 5555 Rencho Port Ln, Burke 22015  
Full Sentence English Partner With Neural Network Data Storage

Amherst  
Mays, Brian Edward 17  
Amherst County H.S. 125 Orchard Dr., Madison Heights 24572  
The Physical of Blown Sand: A Computer Simulation

Fairfax  
Batra, Anil 17  
Robinson P.S. 10868 Burr Oak Way, Burke 22015  
Near-Transform Analysis of Weather

Hampton  
Reed, Jason Christopher 17  
Kecoughtan H.S. 80 Fine Point Lane 23669  
Bubble-Induced Drag Reduction: An Engineering Application

McLean  
O'Brien, Lucy Erin 17  
Langley H.S. 6080 Debra Ter. 22201  
Parakite Immunoassay: Quantification of the Herbicide Paraquat Through the Use of Specific Antibodies

Pande, Vijay Satyanand 17  
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Julian, Francis Thomas 17  
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Analysis of X-ray Powder Diffraction Patterns for Two Forms of Gypsum

West Virginia

Shemesh, Jiri 17  
Demchik, Michael Christopher 17  
Jefferson H.S. B. 1420. Shepherdstown 25443  
What Are the Growth-Related Factors of Pines?

Wisconsin

Madison  
Green, Alan Louise 17  
James Madison Memorial H.S. 3042 Maple Grove Dr. 53719  
Effects of Anesthesia on Luminescence From the CA-Activated Phosphoprotein Aegrotum

Mack, Vivian Elisabeth 16  
James Madison Memorial H.S. 6201 N. Highlands Ave. 53705  
Effects of Vitamin E on Chromosomal Damage Induced by Radiation and Cyclophosphamide Exposure

Dresang, Steven Edward 7  
Madison West H.S. 440 Virginia Ter. 53705  
Structural Analysis of the TRA2 Gene in C elegans

Milwaukee  
Markwardt, Craig Joseph 7  
 Rufus King H.S. 2970 N. Stowell Ave. 53211  
Does Polarization Affect Freezing Point?

State Science Talent Searches

Since 1946 State Science Talent Searches have been held concurrently with the National Competition by special arrangement with Science Service. The 34 States and the District of Columbia listed below are cooperating in this plan to increase recognition and assistance to young scientists.

Anyone desiring information on or details of the results of State Science Talent Searches should send their inquiries to the Directors in the respective states.

Alabama: The Gorgas Scholarship Foundation, Inc., Dr. Leven S. Hadges, Professor, Department of Chemistry, Stanford University, Howard College of Arts and Sciences, 800 Lakeshore Drive, Box 2236, Birmingham, AL 35229-0001

Georgia: Georgia Junior Academy of Science, Dr. Don A. Berkowitz, School of Chemistry, Georgia Institute of Technology, Atlanta, GA 30322

Illinois: Illinois State Academy of Science, Dr. Donald R. Dickerson, Director, Department of Science, Office of School Programs, School of Education, University of Central Illinois, Normal, IL 61760

Indiana: Indiana Academy of Science, Dr. Donald R. Windsw, Coordinator for School Office of School Programs, School of Education, Indianapolis, Indiana University, Bloomington, IN 47405

Connecticut: Connecticut Science Talent Search, Mr. John Tanaka, Director, Honors Wood Hall, Room 113, 241 Glenbrook Road, Stamford, CT 06906

District of Columbia: Washington Academy of Sciences, Mrs. Edythe Durie, 3001 Leffel Drive, Herndon, VA 22071

Florida: Florida Academy of Science, Dr. John G. Windsor, Jr., State Director, Florida Junior Academy of Science and Talent Search, Department of Oceanography and Ocean Engineering, Florida Institute of Technology, Melbourne, FL 32901

Kansas: Kansas Academy of Science, Dr. Leona V. Balley, Research Assistant, Department of Entomology, Kansas State University, Manhattan, KS 66506

Kentucky: Kentucky Junior Academy of Science, Dr. John Wernegren, Associate Professor of Physical Science, Eastern Kentucky University, 220 Memorial Science Building, Richmond, KY 40475
LOUISIANA: Northwestern State University, Dr. Noyd Keller, Department of Chemistry, Physics and Geology, Northwestern State University of Louisiana, Natchitoches, LA 71497

MARYLAND: Maryland Academy of Sciences, Ms. Mary B. Hyman/Ms. Nancy J. Loyko, Maryland Academy of Sciences, 601 Light Street, Baltimore, MD 21230

MASSACHUSETTS: Massachusetts Science Talent Search, Dr. Mary H. Laprade, Director, Clark Science Center and Lecturer in Biological Sciences, Smith College, Northampton, MA 01060

MICHIGAN: Sigma Xi, the Scientific Research Society, Dr. Donald R. Peterson, Michigan State University, P.O. Box 2237, Midland, MI 48641

MINNESOTA: Science Museum of Minnesota, Dr. Adela S. Elwell, Field Director, Opportunities in Science, Route 8, Box 439, Bemidji, MN 56601

MISSISSIPPI: Mississippi Junior Academy of Sciences, Donald R. Cotten, P.O. Box 834, Southern Station, University of Southern Mississippi, Hattiesburg, MS 39406

MISSOURI: Missouri Academy of Science, Dr. Brian R. McGuire, Assistant Professor of Chemistry, Division of Science, Northeast Missouri State University, Kirksville, MO 63501

MONTANA: Montana College of Mineral Science and Technology Sigma Xi Club, Dr. Lindsey Hess, Professor of Mathematics and Physics, Montana College of Mineral Science and Technology, Butte, MT 59701

NEBRASKA: Nebraska Academy of Sciences, Dr. James A. Woodland, Science Consultant, Nebraska Department of Education, 301 Centennial Mall South, Lincoln, NE 68509

NEW JERSEY: The New Jersey Academy of Science, Dr. Leiland G. Merrill, Jr., Executive Secretary, New Jersey Academy of Science, Beck Hall, Kilmer Campus, Room 215, Box 3, Rutgers University, New Brunswick, NJ 08903

NEW MEXICO: New Mexico Tech, Dr. David Shorties, Biology Department, New Mexico Tech, P. O. Box 3732, Campus Station, Socorro, NM 87801

NORTH CAROLINA: North Carolina Student Academy of Science, Dr. Charles F. Lytle, Biological Sciences, Box 7611, North Carolina State University, Raleigh, NC 27695

OHIO: The Ohio Academy of Science, Mr. Lynn Edward Elmes, Executive Officer, The Ohio Academy of Science, 445 King Avenue, Columbus, OH 43210

OKLAHOMA: Oklahoma Junior Academy of Science, Mr. Jim Pigg, Director, Oklahoma Junior Academy of Science, 300 N. Eastern, Moore, OK 73160

OREGON: Oregon Museum of Science and Industry, Mr. David Heil, Director, Grant Program Development and Outreach, Oregon Museum of Science and Industry, 405 SW Vanport Mall, Portland, OR 97223

Pennsylvania: Pennsylvania Academy of Science, Dr. Kurt C. Schreiber, President-Elect, Pennsylvania Academy of Science, Duquesne University, Pittsburgh, PA 15282

Utah: Utah State Office of Education, Mr. R. LaMar Allred, Specialist in Science Education, Utah State Office of Education, 250 East 500 South, Salt Lake City, UT 84111

Vermont: The University of Vermont, Dr. George C. Crooks, 74 Spear Street, South Burlington, VT 05403

Virginia: Virginia State Science Talent Search, Dr. John Liebermann, Jr., Chemistry Teacher, Thomas Jefferson High School for Science and Technology, 6550 Braddock Road, Alexandria, VA 22312

Washington: Washington State Science Talent Search, Dr. Paul A. Lepski, Chemistry Department, Seattle Pacific University, Seattle, WA 98119

West Virginia: West Virginia Academy of Science, Joseph F. Glessner, Jr., Department of Biology, Box 31, West Virginia Wesleyan College, Buckhannon, WV 26201

Wisconsin: Wisconsin Science Talent Search, Prof. James Merkel, Associate Professor of Physics and Astronomy, University of Wisconsin-Eau Claire, P.O. Box 321, Eau Claire, WI 54701

Wyoming: (See Colorado-Wyoming)