GENERAL SCIENCE

Science Talent Search Winners

Forty promising high school scientists have been picked from a field of 2,939 fully qualified entrants as winners of this year's Science Talent Search and will travel to Washington, D.C., this month to participate in the Science Talent Institute.

➤ THE 40 winners of the 24th annual Science Talent Search have been announced by Science Service.

The 40 most promising student-scientists among the nation's high school seniors were chosen from 2,939 completely qualified entrants, and were judged best among the Honors Group of 300 previously announced.

The winners, 10 girls and 30 boys, have been invited to Washington to attend the Science Talent Institute, a five-day, all-expenses-paid session, Feb. 24 through March 1. During the Institute they will be judged for \$34,250 in Westinghouse Science Scholarships and Awards in the final phase of the Science Talent Search conducted by Science Clubs of America, an activity of SCIENCE SERVICE.

The winners come from 37 schools in 34 communities in 21 states. Among the winners, Alaska is represented for the first time. Thirty-six of the 40 rank in the top five percent of their graduating classes, which range in size from 63 to 1,801. With the school year only half over, 15 of the 40 already ranked first, second or third in their classes.

Three schools have more than one winner this year. Mayme S. Waggener High School in Louisville, Ky., Jamaica (N.Y.) High School and Martin Van Buren High School in Queens Village, N. Y., each had two winners

Fifteen of the 37 schools in this year's Search have placed winners in previous years, and are to be commended for encouraging and supporting these top-level students and making it possible for them to gain this honor and recognition.

Grand totals for the schools placing additional winners this year show the Bronx High School of Science at the top of the list with 31 winners in the 24 years of the Science Talent Search, with Erasmus Hall High School in second place with 29. Forest Hills (N.Y.) High School is third with 24 winners over the years. Abraham Lincoln High School in Brooklyn, N.Y., is next with ten winners. Eight winners are credited to Jamaica (N.Y.) High School. Both Lyons Township High School in LaGrange, Ill. and Princeton (N.J.) High School have had six winners.

Five winners have been claimed by Central High School, Philadelphia; Steven Austin High School, Austin Tex., and Martin Van Buren High School in Queens Village,

Lourdes Academy in Cleveland, Ohio, has placed four winners, and Bayside (N.Y.) High School has had three winners.

Those schools placing winners for the second time are Lowell High School, San Francisco, Benson High School, Omaha, (Continued on p. 94)

ALASKA	Anchorage
CALIF.	Grossmont
	San Francisco Woodland Hills
CONN.	West Hartford
FLA.	Orlando
GA.	Brunswick
ILL.	Arlington Hts.
	Chicago
	La Grange
	Villa Park
IOWA	Bettendorf
KY.	Louisville
MD.	Bethesda
MASS.	Wakefield
MINN. NEBR. N.J. N.Y.	Sleepy Eye Omaha Bergenfield Princeton Alden
	Bayside

Brooklyn Forest Hills Jamaica New York Oueens Village OHIO Cleveland

ORE. Portland Philadelphia TENN. Memphis **TEXAS** Austin Fort Worth

Galion

McLean WIS. Sheboygan *Ader, Patricia Lynn 17 West Anchorage H.S. 30-360-G Cherry Dr., EAFB Smith, Albert Turner, Jr. 18 Grossmont H.S. 9654 Candy Lane,

La Mesa 92041 Hassid, Edwin Joseph 17 Lowell H.S. 2075 9th Ave. 94116 Howard, Larry Dean 17 William H. Taft H. S. 20271 Mobile

Howard, Larry Dean 17 St., Canoga Park 91306 Nathanson, James Andrew 18 William H. Hall H.S. 4 Brookfield Rd. 06107

Truitt, James Pennington, Jr. 18 Oak Ridge Jr.-Sr. H.S. 901 Iron Oak Dr. 32809 Roth, Christopher Micheal 17 Glynn Academy 97 Yorkshire

Bagnuolo, William George 16 St. Viator H.S. 272 Plymouth Dr., Inverness

Silverman, Stuart Lloyd 17 Mather H.S. 6421 N. Richmond St.

Anderson, Eric Arthur 16 Lyons Twp. H.S. 4303 Woodland Ave., Western Springs 60558 Lechowicz, Martin John 17 Willowbrook H.S. 431 S. Cornell

Ave. 60181 Miller, Robert Desle 18 Bettendorf H.S. 2714 Harmony Dr.

Barker, William Thomas 17 Mayme S. Waggener H.S. 703 Waterford Rd. 40207 Gott, John Richard III 17 Mayme S. Waggener H.S. 136 Indian

*Kramer, Mary Elizabeth 16 Walt Whitman H.S. 5604 Vernon Pl. 20034

Knight, Thomas Frederic, Jr. 16 Wakefield H.S. 23 Pierce Ave. 01880

*Horowitz, Evalyn 16 Bergenfield H.S. 373 Wildrose Ave. 07621 Pensak, David Alan 16 Princeton H.S. 119 Random Rd. 08540 Choate, Albert George 17 Alden Central H.S. 1553 Crittenden

St. 14004
Ephraim, Robert Martin 17 Bayside H.S. 41-29 Morgan St.,
Little Neck 11363

Abraham Lincoln H.S. 2702 Cypress Ave. Levinson, Jerrold 16 Abraham Lincoln H.S. 3702 Cypress Ave.

*Greer, Helen Anita 16 Erasmus Hall H.S. 45 Martense St.

Strauchen, James A. 16 Forest Hills H.S. 64-34 99th St., Rego

Park 11374 Loewenstein, John Isaac 15 Jamaica H.S. 75-08 168th St., Flush-

ing 11366
Rosenblitt, Donald Lewis 16 Jamaica H.S. 76-66 172nd St., Flushing 11366

Rowen, Louis Halle 15 Bronx H.S. of Science 207 W. 106th

Kurzweil, Raymond C. 16 Martin Van Buren H.S. 221-28 Hartland Ave., Jamaica 11427 Siegal, Michael 16 Martin Van Buren H.S. 226-19 77th Ave.,

Bayside 11364 *Barrett, Joyce Ann 17 Lourdes Academy 3855 W. 160th St.

*Bigelow, Ann Marie 17 Galion H.S. 434 Harding Way W.

Anderson, Michael Peter 18 Central Catholic H.S. 12325 N.E.

Hassalo 97230 Harabin, Joseph A. 17 Central H.S. 3515 New Queen St. 19129 Cross, John William, Jr. 17 White Station H.S. 106 Greenbriar

Dr. 38117 Frankel, Arthur Edward 17 Stephen Austin H.S. 1110 Gaston

Ave. 78703 Brock, Robert James 18 Arlington Heights H.S. 3912 Kenley 76107

*Moore, Polly Fletcher 17 McLean H.S. 6002 Dempsey St. 22101 Johnson, Randy Allan 17 North H.S. 2126 N. 26th St. 53081 *Sdano, Caroline Kimmins 18 South H.S. 1921 S. 16th St. 53081

* Indicates girls HOME ADDRESS follows name of school "The Best You'll Ever See"

MAGNA-SIGHTER® 3-D MAGNIFIER!



- SCIENTISTS
- TECHNICIANS
- CRAFTSMEN
- STUDENTS

People of all ages . . . in industry and at home . . . need Magna-Sighter to work better and easier, with less tension and less fatigue.

Every professional, artisan, and skilled worker must have good eyesight to perform their tasks. Improved sight is required for today's close

- MAKES ALL CLOSE WORK EASIER
- FINEST GROUND AND POLISHED LENSES
- CAN BE WORN WITH OR WITHOUT GLASSES

Magna-Sighter is a precision optical instrument, a binocular magnifier which enables one to do close work and see it in three dimensions, clearly, and with both hands free. Adjusts to any head size comfortably. Nothing to wear out. By raising head slightly, normal vision is resumed without removing the Magna-Sighter!

UNCONDITIONALLY GUARANTEED to Satisfy, or Money Refunded!

No. 3—Magnifies 13/4 times, eyes 14" from work. No. 5—Magnifies 21/4 times, eyes 10" from work.

No. 7-Magnifies 23/4 times, eyes 8" from work.

Your choice: \$9.95 postpaid in U.S.A. for one, \$8.95 each postpaid in U.S.A. for two

Order direct (specify model number), or write for descriptive circular. Schools, industries, etc., write for special prices on lots of 12 or more.

VEE-GEE SUPPLY CO.

Box 4264-S Milwaukee, Wisconsin 53210

LAND BEAM LIGHTS



☐ \$9.95 each for 2 ☐ \$10.95 for 1 twenty miles, 80,-

murky depths and withstand pressures of underwater operation. On land its beam leaps out

000 candlepower illuminates objects clearly a mile away. Pierces smoke-filled areas. Stands alone on special foot. Floats in water. Unbreakable lens. You can jump on this flashlight. Used by police in squad cars, skin divers, boatsmen, hunters, fishermen, shippers, watchmen, firemen. Send check or money order.

TREMENDOUS PIERCING BEAM ON LAND CUTS THROUGH FOG & SMOKE

STANDARD AMERICAN, Dept. 26-SNB ONE PARK AVE., NEW YORK, N. Y. 10016



SPOOKY LITE

3" rod with light on top. Walk on rug and touch ball to person, metal lamp, etc. and light flashes brightly. Absolutely safe. A lesson in static electricity. Works like

\$1.00 plus 25¢ SHIPPING CHARGES

ROYAL ADVERTISING CORP.

LYNBROOK, NEW YORK



200,000 Volts, as illus., can be assembled with pliers and screw driver. 17" high, 7" diam., Current 1.5 to 2.5 microamps. 90% rel. humidity range. Life of service over 1000 operating hours. 110 v 60 cycle AC motor, insulating column of unbreakable vinyl chloride, oil impregnated bronze bearings. Aluminum base, housing, frame and charge collector — 5 lbs. 500,000 VOLTS. Kit \$39.50 postpaid (includes drawings and all necessary parts except motor). Fully Assembled \$135., with long-life ball-bearing motor.

Experiments in Electrostatics — a book of experiments you can do . . . send 50¢. Low priced physics equipment for schools and science projects. Free catalogs — send 15¢ for postage.

MORRIS and LEE

Dept. NL-2, 1685 Elmwood Ave., Buffalo, N.Y. 14207

EXPLORE THE SKIES!-

COLOR MAP OF THE NORTHERN HEAVENS: 30"x341/2", shows stars to magnitude 5.1. \$1.50
COLOR CHARTS OF THE MOON: 2 maps of first and last quarter, 23"x33". \$2.00
ASTRONOMY AS A CAREER: 32-page booklet on becoming an astronomer. \$1.00 Write for free folder N.

SKY AND TELESCOPE Dept. SNP Cambridge 38, Mass.



KENNEDY Memorial Set

mint. Colombian multi-colored airmail. Shows Late President. Free! Ap-provals accompany. PHILATELICS UNLIMITED 68S New Paltz, N. Y. 12561 Mint. Colombian multi-colored airmail. Shows

MICRO-ADS

Equipment, supplies and services of special interest to scientists, science teachers and students, science-minded laymen and hobbyists.
25¢ per word, payable in advance. Closing date 3 weeks prior to publication (Saturday).

SNL, 1719 N St., N.W., Washington, D.C. 20036

BINDERS FOR SNL — BUFF-COLORED BUCK-ram, Snap-in metal strips hold 52 copies, \$4.00 pp. Send order with remittance to Science News Letter, 1719 N Street, N.W., Washington, D. C. 20036.

BOOKS ON FUNGI, IN ENGLISH, GERMAN, AND French. Free List. Lew's, 2510 Van Ness, San Francisco, Calif.

FOR INFORMATION ABOUT A PHILOSOPHY based on natural, not supernatural phenomena, write to the American Humanist Association, Dept. SNL-3, Humanist House, Yellow Springs, Ohio.

FREE PAPERBACK CATALOGUE. GREAT SAV-ings. New York Paperback-Record Club, 4-H West 43rd Street, New York City 10036.

SURPLUS OPTICS-ELECTRONICS CATALOG. 72 pages 20¢. Meshna. Nahant. Mass.

WATCH INSECT-EATING VENUS'S FLY TRAP plants lure, catch, eat insects. Colorful plants thrive in attractive windowsill greenhouses 5 \(^4\) \(^4\) X 3 \(^4\) X 7 \(^5\) high. Fascinating conversation piece, science fair project, complete with 3 living Fly Trap plants, \(^4\) Apple plants, \(^4\) Sport pod. Grow-yourself set has 3 bulbs, greenhouse, \(^3\) 3.95. Illustrated brochure 10\(^4\). Armstrong Associates Inc., Box 127-S, Basking Ridge, N.J.

Science Talent Winners

(Continued from p. 86)

Nebr., and Arlington Heights High School, Ft. Worth, Tex.

The 22 schools appearing on this list for the first time, listed geographically, are:

ALASKA: West Anchorage H.S., An-

CALIFORNIA: Grossmont H.S., Grossmont, and William H. Taft H.S., Woodland Hills.

CONNECTICUT: William H. Hall H.S., West Hartford.

FLORIDA: Oak Ridge Jr.-Sr. H.S., Orlando.

GEORGIA: Glynn Academy, Brunswick. ILLINOIS: St. Viator H.S., Arlington Heights; Mather H.S., Chicago; Willowbrook H.S., Villa Park.

IOWA: Bettendorf H.S., Bettendorf.

KENTUCKY: Mayme S. Waggener H.S., Louisville.

MARYLAND: Walt Whitman H.S., Bethesda.

MASSACHUSETTS: Wakefield H. S., Wakefield.

MINNESOTA: Sleepy Eye H.S., Sleepy

NEW JERSEY: Bergenfield H.S., Bergenfield.

NEW YORK: Alden Central H.S., Alden.

OHIO: Galion H.S., Galion. OREGON: Central Catholic H.S., Port-

TENNESSEE: White Station H.S., Memphis.

VIRGINIA: McLean H.S., McLean. WISCONSIN: North H.S., and South

H.S., both in Sheboygan.

Of the 22,692 sets of aptitude examinations and other entry materials requested for the Science Talent Search, 2,939 fully qualified entries were judged. Requirements included taking the Science Aptitude Examination, submission of school records and faculty recommendations and writing a research report on an individual science project.

For a copy of the honors and winners lists of the Science Talent Search, send a selfaddressed, long envelope, 10-cent stamped, to Science Service, 1719 N St., N.W., Washington, D.C. 20036.

• Science News Letter, 87:86 February 6, 1965

EDUCATION

New Test Predicts Future College Success

➤ A NEW TESTING method helps a high school senior predict how well he will do in his freshman year at Indiana colleges. A series of tables developed by Educational Testing Service allows the high school graduate and his counsellor to select an institution at which the student is most likely to succeed.

The method is based on average college freshman grades balanced against the student's score on high school records used for testing.

After a student has picked several colleges that meet his requirements as to size and curriculum, he can attempt to predict his performance at each one.

• Science News Letter, 87:94 February 6, 1965