

GENERAL SCIENCE

Washington Trip Winners

HOME ADDRESS follows name of school

	ARIZONA		
<i>Phoenix</i>	Royce, Ronald Richard	17 North H. S.	4741 E. Oak St. 8
	CALIFORNIA		
<i>Palos Verdes Estates</i>	Gregory, Alina Elizabeth	17 Marymount H. S.	309 Via Linda Vista, Redondo Beach
<i>Pasadena</i>	Kyte, Jack Ernst	16 Pasadena H. S.	1425 N. Chester Ave.
<i>Rialto</i>	Ware, Anita Faye	17 Eisenhower H. S.	201 E. Valencia St.
<i>San Francisco</i>	Vince, Andrew Joseph	17 Lowell H. S.	1642 30th Ave. 22
<i>San Jose</i>	Kugelmass, Joel Nathaniel	16 Del Mar H. S.	2301 Stockes St. 28
	CONNECTICUT		
<i>Fairfield</i>	Campbell, Alan Stuart	16 Roger Ludlowe H. S.	232 Dunnlea Rd.
	DISTRICT OF COLUMBIA		
<i>Washington</i>	Miller, Karl Henry	17 Woodward School for Boys	4404 Albemarle St., N.W. 16
	FLORIDA		
<i>Coral Gables</i>	Weiss, Mark	17 Coral Gables Sr. H. S.	3128 Coconut Grove Dr. 34
<i>Stuart</i>	Fox, John Frederick	17 Martin County H. S.	633 Osceola Ave.
	GEORGIA		
<i>Atlanta</i>	Pickard, William Leonard, Jr.	17 Daniel C. O'Keefe H. S.	344 Hunerkopf St., N.W. 13
	Muchnick, Steven Stanley	17 Henry Grady H. S.	1229 Beech Valley Rd., N.E. 6
	HAWAII		
<i>Honolulu</i>	Chang, Bernice Wai Sheong	17 Roosevelt H. S.	1117 Clio St. 14
	ILLINOIS		
<i>Chicago</i>	Neisendorfer, Joseph Alvin	17 Tilden Technical H. S.	470 W. 28th St. 16
	KANSAS		
<i>Prairie Village</i>	Flicker, Michele Rhona	17 Shawnee-Mission East H. S.	5845 Sunrise Dr., Mission
	MASSACHUSETTS		
<i>Holden</i>	Cole, Douglas Reese	17 Wachusett Regional H. S.	30 Anderson Ave.
<i>Holyoke</i>	Doherty, Edward John	18 Holyoke Catholic H. S.	526 South St.
<i>Newtonville</i>	Rosen, Barry Kumin	17 Newton H. S.	409 Crafts St. 60
<i>North Quincy</i>	Simpson, Joan Eve	17 North Quincy H. S.	15 Livesey Rd., Squantum 71
	NEW HAMPSHIRE		
<i>Exeter</i>	Falwell, Richard Lee	18 Phillips Exeter Academy	6309 Rockhurst Rd., Bethesda 14, Md.
	NEW JERSEY		
<i>Madison</i>	MacPhillamy, Douglas John	17 Madison H. S.	145 Green Ave.
<i>Teaneck</i>	Lester, Henry Allen	17 Teaneck H. S.	980 E. Lawn Dr.
	NEW YORK		
<i>Brooklyn</i>	Elias, Laurence	16 Erasmus Hall H. S.	1203 Newkirk Ave. 30
	Leslie, Bruce Robert	15 Erasmus Hall H. S.	50 E. 19th St. 26
	Miller, Zachary Ian	16 Erasmus Hall H. S.	100 Woodruff Ave. 26
<i>Islip</i>	Vaupel, James Walton	17 Islip H. S.	21 Shebar Dr.
<i>Jamaica</i>	Goodbread, Joseph Henry	16 Jamaica H. S.	73-12 188th St., Flushing 66
<i>New York</i>	Cappell, Sylvain Edward	16 Bronx H. S. of Science	129 W. 197th St. 68
	Chase, Deborah	17 Bronx H. S. of Science	825 W. End Ave. 25
	Friedman, Norman Ebbe	16 Bronx H. S. of Science	2255 Morris Ave. 53
	Grassian, Stuart Edwin	16 Bronx H. S. of Science	125 E. 168th St. 52
	Smilowitz, Henry Martin	16 Stuyvesant H. S.	815 Sutter Ave., Brooklyn 7
	OHIO		
<i>Cleveland</i>	Martin, Alice Marie	16 Lourdes Academy	1396 E. 45th St. 3
	OKLAHOMA		
<i>Oklahoma City</i>	Birkhead, Jo Lynne	17 Harding H. S.	1505 N.W. 40th St. 18
	OREGON		
<i>Salem</i>	Roberts, Sarah Carlisle	17 South Salem H. S.	1740 Fir St., South
	PENNSYLVANIA		
<i>Philadelphia</i>	Shapiro, Arthur Maurice	17 Central H. S.	7636 Thouron Ave. 50
	TEXAS		
<i>Austin</i>	Fruchter, Jonathan Sewell	17 Stephen F. Austin H. S.	1216 Norwood Rd. 22
	VIRGINIA		
<i>Arlington</i>	Zalkind, David Laster	17 Wakefield H. S.	1510 S. Edgewood St. 4
	WASHINGTON		
<i>Bothell</i>	Wegner, Gary Alan	18 Bothell H. S.	9309 N.E. 191st St.
<i>Seattle</i>	Kauffman, Peter Carr	17 Ballard H. S.	7721 33rd St., N.W. 7

• Science News Letter, 83:68 February 2, 1963

Questions

ASTRONOMY—How many planets may be in existence in the Milky Way? p. 72.

BIOCHEMISTRY—What effect does thalidomide have on paramecia? p. 71.

GENERAL SCIENCE—What proportion of the budget allotted to research and development will be used for defense, space and atomic energy? p. 67.

What career ranks first in preference among the Honors Group of the 22nd Science Talent Search? p. 69.

MEDICINE—When do cases of "bends" more often occur? p. 66.

RADIOLOGY—What chemical will suppress absorption of radioactive iodine by the human body? p. 73.

TECHNOLOGY—What is "photolyzable film"? p. 78.

SCIENCE NEWS LETTER

VOL. 83 FEBRUARY 2, 1963 NO. 5

Edited by WATSON DAVIS

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington 6, D. C., North 7-2255. Cable Address: SCIENSERV.

Subscription rates: 1 yr., \$5.50; 2 yrs., \$10.00; 3 yrs., \$14.50; ten or more copies in one package to one address, 7½ cents per copy per week; single copy, 15 cents, more than six months old, 25 cents. No charge for foreign postage. Change of address: Three weeks notice is required. Please state exactly how magazine is addressed. Include postal zone number.

Copyright © 1963 by Science Service, Inc. Reproduction of any portion of SCIENCE NEWS LETTER is strictly prohibited. Newspapers, magazines and other publications are invited to avail themselves of the numerous syndicated services issued by Science Service. Science Service also produces and distributes THINGS of science (monthly), produces and publishes books, and conducts the National Science Youth Program.

Printed in U.S.A. Second class postage paid at Washington, D. C. Established in mimeograph form March 13, 1922. Title registered as trademark, U.S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide, and the Engineering Index. Member of Audit Bureau of Circulation.



SCIENCE SERVICE

The Institution for the Popularization of Science organized 1921 as a non-profit corporation.

Board of Trustees—Nominated by the American Association for the Advancement of Science: William W. Rubey, University of California at Los Angeles; Wallace R. Brode, Washington, D. C. (Treasurer); Douglas Whitaker, Rockefeller Institute for Medical Research. Nominated by the National Academy of Sciences: Harlow Shapley, Harvard College Observatory; Philip Bard, Johns Hopkins University; Henry Allen Moe, John Simon Guggenheim Memorial Foundation. Nominated by the National Research Council: Leonard Carmichael, Smithsonian Institution (President); John R. Dunning, Columbia University; Benjamin H. Willier, Johns Hopkins University. Nominated by the Journalistic Profession: Michael J. Ogden, Providence Journal-Bulletin; O. W. Riegel, Washington and Lee University; Ralph B. Curry, Flint Journal. Nominated by the Scripps Estate: Edward J. Meeman, Memphis Press-Scimitar; Ludwell Denny, Washington, D. C.; Charles E. Scripps, Cincinnati, Ohio (Vice President and Chairman of Executive Committee).

Staff—Director: Watson Davis. Assistant Director: Dorothy Schriver. Writers: Ann Clarke, Ann Ewing, Faye Marley, Judy Viorst, Ruby Yoshioka. Science Youth Division: Joseph H. Kraus, Leslie V. Watkins, Forrest L. Snakenberg. Photography: Fremont Davis. Production: Priscilla Howe, Marcia Nelson. Syndicate Sales: Hallie Jenkins. Conferences: Jane Marye. Librarian: Margit Friedrich. Interlingua Division in New York: Alexander Gode, 80 E. 11th St., GRamercy 3-5410. Advertising Manager: Fred A. Moulton, METropolitan 8-2562, Washington, D. C.