

GENERAL SCIENCE

# Science Scholarships

Wyoming country boy and New York girl win \$2,400 each as top students in the Science Talent Search. Eight receive \$400 scholarships.

See Front Cover

► AMBER Charles Davidson, 17, of Fort Bridger, Wyo., and Anne Hagopian, 16, of New York City, were awarded four-year \$2,400 Westinghouse Grand Science Scholarships, top honors in the Third Annual Science Talent Search. Their portraits are shown on the cover of this SCIENCE NEWS LETTER.

They were chosen by a board of judges for the highest awards given. Eight other teen-age scientists were selected to receive four-year Westinghouse Science Scholarships worth four hundred dollars each, three were awarded two-hundred-dollar scholarships, and 25 were granted one-year Westinghouse Science Scholarships of one hundred dollars each.

Alternates for the two top scholarships were named as follows: Robert Harry Kraichnan, Elkins Park, Pa., for the boy, and Mary Ruth Bond, Milton, N. Y., for the girl.

## Charles

Amber Charles Davidson, the top boy finalist, is a country boy, who in addition to his scientific interests embracing such subjects as electronics, chemistry, microscopy, painting and biology, is an athlete. He was captain of the football

**SCIENCE TALENT INSTITUTE**  
—Alternates for the \$2,400 scholarships are shown on the top row of the facing page: left, Robert Kraichnan and right, Mary Ruth Bond. Center, group of winners at Lincoln Memorial. Second row left, Dr. Karl T. Compton with the top winners, Anne Hagopian and Charles Davidson; right, Dr. Harlow Shapley discussing relativity with a group at a luncheon. Seated are Robert Kraichnan, Dr. Shapley and Donald Tschudy. Standing, Roy Corr, Ben Mottelson, Charles Butler, Rodman Jenkins, Irving Rozian, Albert Earle, and 1942 winner Herbert Halberstadt. Portraits below: Kenneth Ford, Nancy Durant, Lionel Jaffe. Bottom: Murray Gerstenhaber, Rodman Jenkins, Irving Rozian.

team at Lyman High School, and was a light-heavyweight boxer. He has been working for the past six years on his own scientific projects, and has built a highly departmentalized home shop to accommodate his interests. One of his projects is the design of an "invisible searchlight," using infra-red rays and an electronic pick-up, for military use in scanning enemy battle lines undetected. He plans to become a research scientist.

## Anne

Sixteen-year-old Anne Hagopian, who is small and dark-haired, is the youngest girl finalist ever selected to receive the Westinghouse Grand Science Scholarship. A student at the Brearley School in New York City, she paints and draws in addition to her scientific interests. She has constructed models of atoms, and an original model to demonstrate principles of geometry. She plans to attend Radcliffe College, and to become a research physicist.

Members of the board of judges were Dr. Harlow Shapley, director of Harvard Observatory; Dr. Harold A. Edgerton, Director of the Occupational Opportunities Service of Ohio State University, Columbus, Ohio; and Dr. Stuart Henderson Britt, Washington psychologist.

The third annual nationwide Science Talent Search opened last fall when 50,000 high school principals and science teachers were asked to assist in finding the 40 seniors most talented in science in the nation's public, private, and denominational high schools.

As a result, some 15,000 science-minded students entered the Search. Entry entailed the taking of a stiff, three-hour science aptitude examination; writing an original 1,000-word essay on the subject "My Scientific Project"; and the submission by faculty of complete scholastic and personal records, together with recommendations by teachers and principals.

From these data, 40 of the entrants were selected by the board of judges as finalists in the Search, and invited to Washington for the five-day Science

Talent Institute, with all expenses paid. During the screening by the judges, all entrants were identifiable only by serial numbers—names and geographical locations of the finalists' home towns being withheld even from the judges until the top 40 were chosen.

Award of the scholarships among the finalists was determined on the basis of final examinations and individual interviews with the board of judges during the Institute. The young delegates also met and talked with some of the nation's leading scientists, educators and high government officials, including Vice President Henry A. Wallace. On the opening day of the Institute they were received at the White House by Mrs. Franklin D. Roosevelt, and were shown many of the famous rooms in the nation's first residence.

A total of \$11,100 in scholarships was awarded in this year's Science Talent Search, which is conducted by Science Clubs of America, a Science Service activity. The scholarships are provided by the Westinghouse Electric & Manufacturing Company as a contribution to the advancement of science in America.

The scholarships can be used to attend any degree-granting college or university of the recipient's choice, subject to the approval of the scholarship committee of the Science Clubs of America. Scholarships will be held in trust, for use after the war, for any recipients unable to use them immediately because they enter military or other government service. Acceptance of the Science Talent Search scholarships does not prevent recipients from accepting other scholarship offers.

## Objectives

The objectives of the Science Talent Search, as outlined by Watson Davis, Director of Science Clubs of America, are:

1. To discover and foster the education of boys and girls whose scientific talent indicates potential creative ability and warrants scholarships for its development.
2. To focus the attention of large numbers of scientifically-gifted youths on the need for perfecting scientific and research skill and knowledge so that they can increase their capacity for contributing to the task of winning the war and the peace to follow.
3. To help make the American public aware of the role of science in the war and in the post-war reconstruction.

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