

association, effective from July 1, 1943, to June 30, 1944.

"Chemistry of the tubercle bacillus," under the direction of Professor R. J. Anderson, Sterling Chemistry Laboratory, Yale University.

"Chemistry of tuberculin and serum studies of tuberculosis," under the direction of Dr. Florence B. Seibert, Henry Phipps Institute, University of Pennsylvania.

"Enzymes as factors in resistance to tuberculosis," under the direction of Dr. M. C. Winternitz and Dr. Bruno Gerstl, Laboratory of Pathology, Yale University.

"Relationship of diabetes to tuberculosis," under the direction of Dr. M. M. Steinbach, Department of Bacteriology, Columbia University.

"Correlation of x-ray and tuberculin diagnostic studies," under the direction of E. B. Fred *et al.*, University of Wisconsin.

"Improvement in x-ray technique," under the direction of Professor Charles Weyl, Moore School X-ray Laboratory, University of Pennsylvania.

"Development of a virulence test," under the direction of Dr. C. E. Woodruff, Wm. H. Maybury Sanatorium, Northville, Michigan.

"Recovery of T. B. fractions in the urine, a possible activity test," under the direction of Dr. John R. Paul, School of Medicine, Yale University.

"Clinical study and follow-up of babies to adolescence," under the direction of Dr. Edith M. Lincoln, Bellevue Hospital, New York City.

"Influence of war and industrial changes on tuberculosis," under the direction of Dr. Carroll E. Palmer and Dr. Herman E. Hilleboe, of the U. S. Public Health Service.

"Course and prognosis of the minimal lesion in tuberculosis," under the direction of Dr. Carroll E. Palmer and Dr. Herman E. Hilleboe, of the U. S. Public Health Service, and others.

"Development of an organization to evaluate chemotherapeutic agents in tuberculosis," under the direction of a special committee.

The members of the Committee on Medical Research are Dr. Charles J. Hatfield, Dr. Kendall Emerson, Dr. Charles A. Doane, Dr. Leroy U. Gardner, Dr. Esmond R. Long, Dr. Karl F. Meyer, Dr. Florence R. Sabin, Dr. David T. Smith, Dr. H. S. Willis, Dr. Julius L. Wilson and Dr. Wm. Charles White, *chairman*.

THE SCIENCE TALENT SEARCH¹

Forty boys and girls, all graduating seniors in public, private and parochial schools, have been selected in the second nation-wide science talent search just concluded at Washington to receive science scholarships amounting to \$11,000.

One boy and one girl each received a Westinghouse Science Grand Scholarship of \$2,400, and eight others received Westinghouse Science Scholarships of \$400

¹ Telegram from C. N. Fry, Westinghouse Electric and Manufacturing Company.

each. The grand scholarships were awarded to Raymond Reinhart Schiff, 16, of New Rochelle, N. Y., and Gloria Indus Lauer, 17, of Ames, Iowa.

Additional one-year scholarships of \$100 each were awarded to 30 seniors who also attended the Science Talent Search Institute from February 26 through March 2 in Washington.

Each of the ten top scholarships is for four years and all the scholarships may be used in study at any college or university that the student desires to attend, if the school he chooses shall meet the requirements of the scholarship awarding committee. If the student enters military or other government service, his scholarship will be held in trust by Science Service for his use after the war, or until such time as he is in a position to accept it.

The second annual Science Talent Search began last November when some 25,000 school principals and teachers were asked to cooperate in finding the graduating seniors—both boys and girls—who appeared most likely to succeed as scientists. About 15,000 students who entered the search were given a science aptitude examination administered by their school officials.

Each entrant who completed the aptitude examination—about 3,400—was asked to write an original essay on "Science's Next Great Step Ahead"; the essay, together with scholarship and personal records, was submitted to the Science Talent Search board of judges by the school officials of the entrant.

The aptitude examination was specially prepared for the Science Talent Search by Dr. Harold A. Edgerton, director of the Occupational Opportunities Service of the Ohio State University, and Dr. Steuart Henderson Britt, director of the Office of Psychological Personnel of the National Research Council and professor of psychology at George Washington University. The aptitude examination was designated to test powers of observation and deduction, rather than knowledge of science.

On the basis of the scholarship and personal records, the essays and the science aptitude examination, students were chosen as delegates to the Institute of the Science Talent Search. During sessions of the institute, the forty young delegates—29 boys and 11 girls—were interviewed by the judges and given final examinations. On the basis of the interviews and examinations, the scholarships were awarded.

Dr. Edgerton and Dr. Britt, with Dr. Harlow Shapley, director of Harvard College Observatory, constituted the scholarship awarding committee.

Speakers at the institute, who followed the general theme of "Science's Next Great Step Ahead," included Dr. Shapley; Dr. Hugh S. Taylor, professor of chemistry, Princeton University; Dr. Eleanor

Bliss, the Johns Hopkins University School of Medicine; Père Arthème Dutilly, missionary-scientist of the Oblate Missions and the Catholic University of America; Dr. Edwin G. Conklin, president, American Philosophical Society, and also president of Science Service; Dr. H. L. Dryden, president, Institute of the Aeronautical Sciences, and Dr. Marshall H. Stone, president, American Mathematical Society.

The Science Talent Search is conducted annually by the Science Clubs of America, sponsored by Science Service, and the Westinghouse Electric and Manufacturing Company. The Westinghouse Company provides the scholarships as an inspiration to scientific achievement in America.

The eight young scholars who received \$400 Westinghouse Science Scholarships were: Charles Poultney Perot, 17, Lancaster, Pa.; Thomas Richard Quermann, 17, Clarksburg, W. Va.; Josiah Macy, Jr., 17, Warrenton, Va.; Donald Rosswell Harris, 17, Johnstown, Pa.; William Weidman Piper, 17, Columbus, Ohio; Henry Hiram Kohl, 16, Newburgh, N. Y.; Elizabeth Ann Lean, 17, Shorewood, Wis.; and Virginia Ellen March, 16, Madison, Wis.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

THE election of officers for 1943 was delayed because of cancellation of the New York meeting. By a mail ballot of the council, a procedure that is valid under the constitution of the association, the following were elected. It was necessary to take a second ballot for president, since no person received a majority vote.

VICE-PRESIDENTS OF SECTIONS

Mathematics (Section A): F. D. Murnaghan, the Johns Hopkins University.

Physics (Section B): J. W. Beams, the University of Virginia.

Chemistry (Section C): Arthur J. Hill, Yale University.

Astronomy (Section D): Otto Struve, Yerkes Observatory.

Geology and Geography (Section E): John K. Wright, American Geographical Society.

Zoological Sciences (Section F): Carl R. Moore, the University of Chicago.

Botanical Sciences (Section G): W. J. Robbins, the New York Botanical Garden.

Anthropology (Section H): Robert H. Lowie, the University of California.

Psychology (Section I): Herbert Woodrow, the University of Illinois.

Social and Economic Sciences (Section K): F. Stuart Chapin, the University of Minnesota.

Historical and Philological Sciences (Section L): Henry E. Sigerist, the Johns Hopkins University.

Engineering (Section M): Thorndike Saville, New York University.

Medical Sciences (Section N): Paul D. Lamson, Vanderbilt University.

Agriculture (Section O): R. E. Buchanan, Iowa State College.

Education (Section Q): Harold F. Clark, Columbia University.

MEMBERS OF THE EXECUTIVE COMMITTEE

J. McKeen Cattell, editor of SCIENCE, Lancaster, Pa.

Burton E. Livingston, professor emeritus, the Johns Hopkins University.

Kirtley F. Mather, Harvard University.

ELECTED MEMBERS OF THE COUNCIL

Lawrence K. Frank, National Resources Planning Board, Washington, D. C.

Paul C. Kitchin, the Ohio State University.

In accordance with the constitution, the following section committeemen were elected by the respective sections for a four-year term expiring at the close of the meeting of December-January, 1946-1947:

Mathematics: G. Baley Price, University of Kansas.

Physics: Elmer Hutchisson, 35 W. 57th St., New York, N. Y.

Chemistry: R. M. Burns, Bell Telephone Laboratories.

Astronomy: Jason J. Nassau, Case School of Applied Science.

Geology and Geography: Ralph H. Brown, University of Minnesota.

Zoological Sciences: Clarence L. Turner, Northwestern University.

Botanical Sciences: Walter F. Loehwing, University of Iowa.

Anthropology: Julian H. Steward, Bureau of American Ethnology, Smithsonian Institution.

Psychology: H. E. Burt, the Ohio State University.

Social and Economic Sciences: Frederick F. Stephan, War Manpower Commission, Washington, D. C.

Historical and Philological Sciences: Conway Zirkle, University of Pennsylvania.

Medical Sciences: Dallas B. Phemister, University of Chicago.

Agriculture: Emil Truog, University of Wisconsin.

Education: Edward S. Evenden, Columbia University.

SCIENTIFIC NOTES AND NEWS

THE Vaughan Research Award in Horticulture for the best paper presented before the American Society for Horticultural Science and published in its *Proceedings* in 1942 has been made in the field of vege-

table crops to Dr. O. A. Lorenz and Dr. J. E. Knott, of the University of California at Davis, for their paper entitled "Studies of Graywall of Tomato," which appeared in Volume 40. This award of \$500