

printed in the issue of SCIENCE for July 11, 1924. The concluding part of the memorial of the Ohio Academy is as follows:

Dr. Mendenhall's active connection with our Ohio Academy of Science began shortly after his return to Ohio in 1912 and he has been a devoted and helpful member interested in promoting its every interest. Almost as soon as he had acquired membership he was elected president, a quite unusual proceeding. This occurred at Oberlin meeting, 1913, and he served for the year 1914 with such skill and enthusiasm as to give us all renewed courage and confidence in the mission of the academy.

As trustee and for a number of years chairman of the research fund of the academy, serving from 1916 to his death, he was greatly interested in the use of the academy funds for research and used rare discrimination in the assignment of its limited income to secure the largest benefits in the encouragement of research.

He was particularly interested in the securing of larger support for the academy, and served most faithfully on the legislative committee which sought state support for the academy activities, especially for publication of the results of scientific studies. He expressed the hope, and it was one of his cherished projects, that the academy might be provided with a suitable building for its permanent home and as a center of its activities and that it might serve in some very vital way for the promotion of the scientific functions of the state. His recommendations and suggestions are matters of recent record and may serve us in our future efforts for the development of scientific activities in the state.

With all these relations the thing we feel most deeply to-day is the friendly nature of his work among us. With the most unusual experience in scientific development of more than half a century, a remarkable acquaintance with scientific work and workers he possessed such a broad appreciation of the work and accomplishments of others and such a friendly attitude toward even the most humble worker in the field of science that his presence and interest were a constant source of encouragement. With a multitude of honors and distinctions he was still one of the most democratic and unassuming of men. With a wealth of achievement, seldom equalled, to his credit he was ever modest in reference to the importance of his own contributions to science. He was a man whom we could admire and love, whose friendly greetings will be missed but whose memory will be cherished as representing the finest spirit of scientific devotion, achievement and fellowship. We have recorded our esteem and appreciation of his worth in such honors as it was in our power to give. We have now to place on record, as our lasting recognition, this declaration of our high regard for his service, our great indebtedness for his many activities in the academy and our tribute to his memory as a friend and fellow worker. His fine accomplishments and inspiring personality will long remain with us as a beautiful memory.

HERBERT OSBORN, *Chairman*,  
A. D. COLE,  
WM. MCPHERSON

## MINNESOTA EXPEDITION TO THE HAWAIIAN ISLANDS

THERE has been organized at the University of Minnesota an expedition to the Hawaiian Islands to make a survey of the marine fauna and flora along the coast, with special reference to the algae and the food of fish. Members of the expedition include: Dr. Josephine Tilden, professor of botany; Dr. W. A. Riley, chief divisions of entomology and economic zoology; Dr. Henry A. Erikson, chairman, department of physics; Dr. R. A. Gortner, professor of plant physiology; Dr. J. Arthur Harris, professor of botany; Dr. Shirley P. Miller, instructor of anatomy, and Dr. Royal N. Chapman and Dr. William E. Hoffman, of the department of zoology.

The occasion of the trip is the First Pan-Pacific Food Conservation Conference. Members of the Minnesota group are among the delegates representing the United States. Following the termination of the conference the group will remain for the rest of the summer in the Hawaiian Islands where they will begin their research investigations which are closely related to the purposes of the conferences. This work will be a cooperative study of the plants and animals inhabiting the waters bordering on the islands with especial emphasis upon their relations to the production of human food.

## THE PRIZE ESSAY AWARDS OF THE AMERICAN CHEMICAL SOCIETY

ACCORDING to *Industrial and Engineering Chemistry*, Secretary of Commerce Herbert Hoover, chairman of the National Awards of the American Chemical Society, has announced that six four-year scholarships to Yale University, consisting of tuition fees and \$500 a year in cash, have been awarded to the following students:

DONALD VIVIAN, Phoenix, Ariz., "The relation of chemistry to health and disease."

JAMES C. REID, Dallas, Texas, "The relation of chemistry to the enrichment of life."

OLIVER C. PITTMAN, Commerce, Ga., "The relation of chemistry to agriculture and forestry."

ELTON R. ALLISON, Centralia, Wash., "The relation of chemistry to national defense."

BENJAMIN NASSAU, Hartford, Conn., "The relation of chemistry to the home."

EUGENE R. BROWNSCOMBE, Santa Rosa, Calif., "The relation of chemistry to the industries and resources of California."

Over 500,000 students all over the United States competed, and six prizes of \$20 in gold and certificates of honorable mention have been awarded in each state and in the District of Columbia. The state winners entered the national contest, and it is from their essays that the six winners were selected.

The contest will be continued next year, and in addition to the prizes offered to students of high and secondary schools, which will be substantially the same as those awarded this year, six prizes of \$1,000 each will be awarded to students of colleges and universities for the six best essays on the subjects designated:

- "The relation of chemistry to health and disease."
- "The relation of chemistry to the enrichment of life."
- "The relation of chemistry to agriculture or forestry."
- "The relation of chemistry to national defense."
- "The relation of chemistry to the home."
- "The relation of chemistry to the development of an industry or a resource of the United States."

Universities granting scholarships in addition to those provided by Mr. and Mrs. Garvan are the University of Arizona, which gives two scholarships remitting all fees; the University of Iowa, one scholarship; the University of Kentucky and the University of Mississippi, each one. In South Dakota the Northern Normal and Industrial School at Aberdeen offers a prize of \$25 for the best essay submitted in the state. In Texas the Baylor College for Women offers a scholarship worth \$120, and the University of Texas offers a tuition scholarship worth \$120. The University of Utah has contributed a tuition scholarship, and Washington and Lee University in Virginia is offering a tuition scholarship worth \$80. Both the Catholic University of America and Georgetown University will grant four-year tuition scholarships, while the University of Virginia offers a four-year scholarship to the author of the best essay submitted in that state. The University of Florida will award two one-year scholarships remitting registration and laboratory fees; Northwestern University offers one scholarship; the University of Maryland offers a tuition scholarship; St. Louis University, a four-year scholarship, including matriculation fee; and the University of Missouri has established six fellowships for the six prize-winning essays in Missouri.

#### PSYCHOLOGICAL RESEARCH AT YALE UNIVERSITY

An important development of the research work in psychology at Yale, the appointment of three men of national distinction, and the gift of funds to carry on the new work are for the first time definitely announced by Yale University.

A group of research specialists will be associated together in an institute devoted to the study of fundamental problems of human behavior, and to the training of personnel for the further pursuit of new studies in the field of teaching, research and of practical application. The initiation of this enterprise is a step of the first importance toward increasing the facilities for psychological research and training.

The need of such research has been increasingly felt in medicine, in industry, in education, in social work, in child welfare and in various public problems. A generous contribution for a period of five years toward this undertaking has been made by the Laura Spelman Rockefeller Memorial.

Roswell Parker Angier, professor of psychology in Yale University, will act as chairman of the group or institute, which will be an integral part of the university. It will be closely associated with the graduate school; its facilities will be available to advanced students who may be candidates for a doctorate or who may wish to engage independently in research.

Arrangements have been concluded for bringing to the institute three leading men of science. Robert M. Yerkes, formerly of the National Research Council, will have charge of the work in the field of comparative psychology with special reference to the primates; Raymond Dodge, formerly professor of psychology in Wesleyan University, in fundamental aspects of normal behavior, and Clark Wissler, of the American Museum of Natural History, in the fields of racial, and particularly primitive, human behavior in its cultural and social aspects.

#### SCIENTIFIC NOTES AND NEWS

At the meeting of the British Association for the Advancement of Science, held in Toronto from August 6 to 13, general lectures were delivered as follows:

##### *Evening discourses.*

SIR THOMAS HOLLAND on "Formation and destruction of mineral deposits."

PROFESSOR D'ARCY W. THOMPSON, of St. Andrews University, on "The shell of a nautilus."

##### *Citizens' lectures.*

PROFESSOR A. S. EDDINGTON, of the University of Cambridge, on "Einstein's theory of relativity."

PROFESSOR G. H. F. NUTTALL, of the University of Cambridge, on "Cambridge."

SIR ROBERT ROBERTSON, of the Royal Arsenal, Woolwich, on "Explosives."

##### *Lectures to children.*

SIR WILLIAM BRAGG, of the University of London, on "Crystals."

L. H. DUDLEY BUXTON on "The people who live beyond the great wall of China."

PROFESSOR J. H. PRIESTLY, of the University of Leeds, on "Plant waterproofs."

THE annual meeting of the French Association for the Advancement of Science was held in Liège from July 28 to August 2, under the presidency of Professor M. Viala. This is the first time that the asso-