

Other contributions of \$5,000 or over for scientific work are:

Three anonymous donors, through the Alumni Fund, for the School of Engineering, \$50,000.

The Josiah Macy, Jr., Foundation, \$2,100 for research in the department of zoology on the origin of hereditary abnormalities and lethal effects in early vertebrate embryos; \$2,160 for the study of obesity in childhood; \$3,600 for a study of primates; \$5,000 for investigations in the department of pathology on the relation of lipoids to the processes of growth and aging; \$5,600 for investigations in the department of pathology on cell proliferation in arteriosclerosis, and \$7,800 for the compilation and publication of results of investigations of psychosomatic problems in the department of medicine—a total of \$26,260.

An anonymous donor for research at the Institute of Cancer Research, under the direction of Dr. Francis Carter Wood, \$20,000.

The United States Public Health Service to the *American Journal of Cancer*, \$8,500.

The Florida Citrus Commission, for research on the nutritional aspects of citrus fruits, \$5,000.

AWARDS OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

A LIST of the 1938 honors and awards, to be presented on December 6 to members and junior members of the American Society of Mechanical Engineers at the fifty-ninth annual meeting of the society in New York City, has been announced by C. E. Davies, secretary of the society. An attendance of more than 3,000 engineers from all parts of the United States and Canada is expected at the meeting. The awards are as follows:

Awarded for some great and unique act of genius of engineering that has accomplished a great and timely public benefit, the Holly Medal will be given to Francis Hodgkinson, professor at Columbia University and consulting engineer, 138 E. 36th Street, New York City, for "meritorious services in the development of the steam turbine."

Bestowed for an outstanding contribution to permanent engineering literature, the Worcester Reed Warner Medal will be presented to Lawford H. Fry, railway engineer, Edgewater Steel Company, Pittsburgh, Pa., for "written contributions relating to improved locomotive design and utilization of better materials in railway equipment."

Presented annually for an original paper or thesis of exceptional merit presented before the society, the Melville Medal for 1938 will be awarded to Alphonse I. Lipetz, chief consulting engineer in charge of research, American Locomotive Company, Schenectady, N. Y., for his paper on "The Air Resistance of Railroad Equipment."

For outstanding achievement in mechanical engineering for 1938, the Pi Tau Sigma Medal will be given to Wilfred E. Johnson, engineer with the General Electric Company, 1605 Winter Street, Fort Wayne, Ind. Mr.

Johnson was picked from among hundreds of candidates proposed by engineering schools, the local sections of the American Society of Mechanical Engineers and members of Pi Tau Sigma, engineering fraternity.

The Junior Award will be presented to Arthur C. Stern, consulting engineer, 928 Broadway, New York City, for his paper "Separation and Emission of Cinders and Fly Ash."

The Charles T. Main Award of \$150 for student engineers will be presented to Edward W. Connolly, 12347 Monica Avenue, Detroit, Mich., graduate of the University of Detroit, for his paper on "Economic Limitations in Engineering Design—with Concrete Examples."

The Postgraduate Student Award will be given to Marshall C. Long, 928 W. 34th Street, Kansas City, Mo., graduate student at Princeton University, for his paper on "An Investigation into the Angular Characteristics of an Adjustable Blade Current Meter."

The Undergraduate Student Award will be bestowed upon Donald C. McSorley, 434 S. Magnolia Avenue, Lansing, Mich., formerly of Michigan State College, for his paper on "Humidity Insulation."

THE SEMI-CENTENNIAL MEETING OF THE GEOLOGICAL SOCIETY OF AMERICA

As has already been reported in *SCIENCE*, fifty years of progress in the science of geology will be celebrated at the semi-centennial meeting of the Geological Society of America, which will be held at the Waldorf-Astoria Hotel, New York City, on December 28, 29 and 30. Dr. Arthur L. Day, of Washington, D. C., is president of the society.

A special anniversary day program on Friday, December 30, will describe the contributions made by geology to the development of the natural resources of the United States. Representatives of the major fields of geology, including mineralogy, economic geology, paleontology, seismology and petrology, will report advances already made and outline problems yet to be solved.

Professor Herman Leroy Fairchild, of the University of Rochester, who is now eighty-eight years old and the only surviving member of the organizing committee which met at Ithaca, N. Y., in December, 1888, to found the society, will participate. Six of the one hundred and twelve original fellows who are still living will be among the guests. They are, in addition to Professor Fairchild: Dr. Nelson H. Darton, U. S. Geological Survey; Dr. William F. E. R. Gurley, Chicago; Dr. Robert T. Hill, Dallas, Texas; Professor Frederick W. Simonds, University of Texas; Dr. Edward O. Ulrich, U. S. National Museum.

The Paleontological Society, the Mineralogical Society of America, the Seismological Society of America and the Society of Economic Geologists, associated societies, will hold their annual meetings as a part of the three-day program and will participate in the exhibits,