in the year. During 1939, 760,000 persons entered the park to motor over the modern highways or to travel afoot or on horseback over the 500 miles of trails.

Authority for establishment of the park was contained in the act of Congress approved May 22, 1926. In 1930 it was established, in a limited way, for protection and administration only, in accordance with Congressional approval of such limited park status upon the acquisition by the government (by donation) of 150,000 acres of land.

Most of the funds to purchase the lands within the approved boundaries were secured by donation. Contributions of citizens of North Carolina and Tennessee and appropriations by the legislatures of those two states raised approximately half the estimated cost of acquiring the required lands. John D. Rockefeller, Jr., through the Laura Spelman Rockefeller Memorial, offered to match contributions up to $5,000,000, in memory of his mother. Because of bank failures during the depression, which wiped out some donations, and of the inability of many to redeem their pledges through the same cause, and also because of rising land values, difficulty was met in securing all the land necessary to establish the park. President Roosevelt in 1933 allotted $1,500,000 of emergency funds, and Congress appropriated $743,265.20 to acquire the last remaining lands.

A short time ago a Founders Memorial Plaque, with the following inscription, was erected at Newfound Gap in the heart of the park:

For the permanent enjoyment of the people this park was given one half by the people and states of North Carolina and Tennessee and by the United States of America and one half in memory of Laura Spelman Rockefeller by the Laura Spelman Rockefeller Memorial founded by her husband, John D. Rockefeller.

THE MARINE BIOLOGICAL LABORATORY AT WOODS HOLE

AN article in *The Collecting Net* gives an account of the annual meeting of the Corporation and Trustees of the Marine Biological Laboratory, by Dr. Charles Packard, director of the laboratory. At this meeting twelve new members of the corporation were elected as follows:

Dr. H. G. Albaum, Brooklyn College; Dr. C. A. Angerer, Ohio State University; Dr. F. A. Brown, Northwestern University; Dr. Leon Churney, University of Pennsylvania; Dr. G. Failla, Memorial Hospital, New York; the Reverend J. A. Frisch, Canisius College; Dr. F. A. Hartman, Ohio State University; Dr. Marie Hinrichs, Illinois Southern State Teachers' College; Columbus O'D. Iselin, Harvard University, Rockefeller Institute; Mrs. Rebecca Lancefield, Rockefeller Institute; Dr. Floyd Moser, University of Pennsylvania, and Dr. Eric Wald, Harvard University.

Trustees elected by the corporation were:

Dugald E. S. Brown, New York University; H. B. Bigelow, Harvard University; R. Chambers, New York University; W. E. Garrey, Vanderbilt University; S. O. Mast, the Johns Hopkins University; A. P. Mathews, University of Cincinnati; C. W. Metz, University of Pennsylvania; H. H. Plough, Amherst College; W. R. Taylor, University of Michigan.

Drs. Caswell Grave, R. G. Harrison and C. E. McClung, trustees who have reached the age of seventy years, were elected trustees emeriti.

Memorials to the following members of the corporation who have died were read:

Dr. H. McE. Knower, for many years librarian of the laboratory (read by R. G. Harrison).

Dr. M. M. Metcalf, trustee since 1897 (read by R. A. Budington).

Dr. Charles Zeleny, well remembered by the older investigators (prepared by F. Payne).

Captain John Veeder, for fifty years connected with the laboratory, in charge of the boats until his retirement (read by F. R. Lillie).

Discussion at both the meeting of the trustees and of the members of the corporation centered about the new addition to the library, now actually under construction. Dr. Packard states that the necessary funds for its erection have been given by the Rockefeller Foundation, which some years ago aided in the construction of the Brick Building. The new structure, 59×51 feet in outside dimensions, will have the same height and architectural style as the present building. The four tiers of stacks, corresponding to the present stack floors, will provide space for almost twice as many volumes as there are on hand at present. On all floors reading tables will be provided. On the upper two floors there will be a generous amount of space between the tables and the stacks, so that readers should not be disturbed by those who are moving about in the stacks. A part of the basement will be used for the sterilization of glassware, distillation of water and other services requiring steam. Two dark rooms are also provided.

THE DETROIT MEETING OF THE AMERAT WOODS HOLE

AS has already been reported in SCIENCE, sessions of the American Chemical Society will open at Detroit on September 9 and will last through the week.

At two o'clock on Monday the first general session will be held in the Scottish Rite Cathedral of the Masonic Temple. The program will include the presentation of the Women's Award to Dr. Mary Engle Pennington and the presentation of the American Chemical Society Award in Pure Chemistry to Lawrence Olin Brockway. Dr. M. L. Crossley, of the American Cyanamid Company, will make an ad-

dress at this session on "Certain Aspects of the Chemistry of Infectious Diseases" and Dr. Per K. Frolich, of the Standard Oil Development Company, an address on "Butyl Rubber—a New Hydrocarbon Product." The last address on the program is the presidential address of Dr. S. C. Lind, dean of the Institute of Technology of the University of Minnesota, who had taken as his subject "Chemistry within the Atom."

The session will be followed by a tea, and at nine o'clock there will be a reception and dance at the Masonic Temple.

Dr. Charles F. Kettering, vice-president of the General Motors Corporation, who is honorary chairman of the local committee, will give the address at a subscription dinner on Wednesday evening at seven o'clock. At ten o'clock on the same evening there will be a complimentary dance in the ballroom of the Hotel Statler.

Technical sessions of the various divisions of the society are planned for each day. There have been arranged numerous group luncheons, dinners and a large number of excursions to the industrial plants of the city, especially those illustrative of the major phases of automobile manufacture.

The University of Michigan will act as host for an all-day trip. The party will divide according to interests to inspect the following laboratories:

PHYSICAL CHEMISTRY, PHYSICS. Surface chemistry, adsorption, interfacial tension, adhesion tension, radioactivity, counters, electroscopes, refractivity, crystal models, electron diffraction, heats of combustion, the cyclotron, mechanism of electrode potentials and overvoltage.

ORGANIC CHEMISTRY, BIOLOGICAL CHEMISTRY, PHARMACEUTICAL CHEMISTRY. Hormone products, carcinogenic materials, local anesthetics, hypnotics, mydriatics, antispasmodics, absorption spectra, clinical investigation, dental caries, blood diseases, arthritis.

ANALYTICAL CHEMISTRY, INORGANIC CHEMISTRY. Spectrographic methods of analysis, food and drug analysis, titanium precipitates, urea precipitates, tetraphenylarsonium compounds, mineralogical museum.

EXTRACHEMICAL. Burton Memorial Tower, Horace Rackham School of Graduate Studies, Lawyers' Club, Michigan Union, the new Health Service.

CHEMICAL AND METALLURGICAL ENGINEERING, GENERAL LABORATORY. Fluid flow, heat transfer, evaporation and crystallization.

GAS, FUELS AND PETROLEUM LABORATORIES. Analysis, calorimetry, equilibrium cells, columns and pilot plant for equilibrium studies.

METALLURGICAL LABORATORY. Stress-rupture units, creep, vacuum gas analysis apparatus, high-temperature tensile and impact machines.

MICHIGAN STATE HIGHWAY TESTING LABORATORIES. Physical and mechanical testing of road-building materials.

RECENT DEATHS

DR. RAYMOND SMITH DUGAN, professor of astronomy at Princeton University, died on August 31. He was sixty-two years old.

DR. LESTER P. BRECKENRIDGE, professor emeritus of mechanical engineering of the Sheffield Scientific School, Yale University, died on August 22 at the age of eighty-two years.

DR. EDWARD MARTIN KINDLE, chief of the Division of Paleontology of the Geological Survey of Canada, died on August 29 at the age of seventy-two years.

COLONEL THOMAS L. RHOADS, Medical Corps, U. S. A., retired, chief surgeon of the First Army of the American Expeditionary Forces during the world war, died on August 20. He was seventy years old.

HENRY HUDSON NICHOLSON, professor of chemistry and director of the chemical laboratory of the University of Nebraska from 1882 to 1905 and later a consulting engineer, died on August 17 at the age of ninety-five years.

LOUIS AGASSIZ SHAW, assistant professor of physiology in the School of Public Health of Harvard University, died on August 27 at the age of fifty-four years.

DR. HAROLD DOUGLAS SINGER, professor of psychiatry at the College of Medicine in Chicago of the University of Illinois, died on August 28 at the age of sixty-five years.

DR. ERNEST H. LINDLEY, chancellor emeritus of the University of Kansas, professor of psychology from 1898 to 1917, died on August 21 aboard the Japanese liner *Asama Maru*. He was seventy-one years old.

MRS. MARY VAUX WALCOTT, wife of the late Dr. Charles D. Walcott, formerly secretary of the Smithsonian Institution, in which she was research associate, died on August 22. She was eighty years old.

THE death is announced of Dr. Hugo Merton, formerly of Heidelberg, who had been working in the Crew Institute of the University of Edinburgh.

SIR JOSEPH (JOHN) THOMSON, Cavendish professor of experimental physics at the University of Cambridge from 1884 to 1918, when he became master of Trinity College, died on August 30 in his eighty-fourth year.

SCIENTIFIC NOTES AND NEWS

IN recognition of "distinguished service in the hospital field" the American Hospital Association will present its 1940 Award of Merit to Dr. Sigismund S. Goldwater, commissioner of hospitals of New York City, at the annual convention to be held in Boston during the week of September 16.