

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.