

be remembered, however, that the period chosen for the congress is that of the greatest affluence of tourists to Spain. Hotel provision can only be satisfactorily arranged by reservations made well in advance. It is especially desirable, therefore, that American chemists who plan to attend forward their names as early as possible, preferably before February 15, 1934, to Professor E. Moles, Secretaria general, IXth Congreso Internacional de Quimica, S. Bernardo, 49, Madrid (8).

The year 1934 will be an especially advantageous one for American chemists to visit Europe. In addition to the Madrid congress, the Third International Congress of Agricultural Industries will be held in Paris the preceding week. This will be devoted particularly to such industries as sugar, fermentation and distillation, fertilizers, foods, tropical products, etc. The French Maison de la Chimie is nearing completion and its inauguration with appropriate conferences will take place in the early fall of 1934.

COORDINATING COMMITTEES OF THE RAILROADS AND THE SCIENCE ADVISORY BOARD

THE three regional coordinating committees of the railroads were asked on October 11 by Joseph B. Eastman, coordinator of transportation, to name a committee of railroad officers to cooperate with a similar group selected by the Science Advisory Board of the National Research Council to determine whether efficiency of the roads could be increased by further scientific research.

The Science Advisory Board was created by an executive order of President Roosevelt on July 31 to deal with specific problems in various organizations of the government. At Mr. Eastman's request it has selected the following to treat with the railroads.

Dr. F. B. Jewett, vice-president, American Telephone and Telegraph Company; president, Bell Telephone Laboratories, Inc., *chairman*.

Maurice Holland, director, Division of Engineering and Industrial Research, National Research Council, director.

Dr. C. F. Kettering, vice-president and director, General Motors Corporation; president, General Motors Research Corporation.

Dr. John Johnston, director of research, United States Steel Corporation.

Dr. Francis C. Frary, director of research, Aluminum Company of America.

Dr. E. K. Bolton, chemical director, E. I. du Pont de Nemours & Co.

Dr. Harold G. Moulton, president, Brookings Institution.

Professor D. C. Jackson, head of the Department of Electrical Engineering, Massachusetts Institute of Technology.

R. L. Lockwood, director, Section of Purchases, office of Federal Coordinator of Transportation.

Dr. Isaiah Bowman, chairman, National Research Council, *ex-officio* member.

Mr. Eastman made public a letter he had written to Dr. Karl A. Compton, chairman of the Science Advisory Board, in which he stated that the success of scientific research by industries led him to believe that much might be accomplished to avoid waste and preventable expense by the railroads.

Dr. Compton said the suggestion fell exactly in line with the results of a preliminary survey which had been made, and which led to the question whether the railroads were taking adequate advantage of the opportunities and methods of applied science.

In his communication to the regional coordinating committees of the railroads, Mr. Eastman said that the appointment of the committee by the Science Advisory Board furnished an "opportunity to put this question to the test under excellent auspices."

SECTION F OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

SECTION F and the American Society of Zoologists will hold sessions for the reading of papers on Thursday, Friday and Saturday, December 28, 29 and 30, 1933. Certain sessions will be devoted to the reading of papers, while others will be given over to demonstrations. All demonstrations and exhibits will be presented in the new Institute of Biology at Harvard University, where there are ample accommodations for such presentation. In addition to this exhibit the facilities of the laboratories and some of the research projects in progress will be demonstrated by the staff of the institute. An all-day program for Friday, December 29, is being arranged for the institute.

Papers may be presented in three ways: "Read," "Demonstration" and by "Title." Those who can present their papers by demonstration are urged to do so in order to reduce the number to be read. Since Section F will hold no separate sessions for the reading of papers, all contributed papers will appear in the program of the American Society of Zoologists.

A symposium on the development and growth of the nervous system, led by Dr. S. R. Detwiler, is planned for Thursday afternoon, December 28. Other speakers will be announced later.

The annual dinner open to all zoologists will be held on Friday evening, December 29, and will be followed immediately by the address of the vice-president of Section F, Dr. A. S. Pearse. The title of the address is "Ecological Segregation."

The business session of Section F will be held on Friday, December 29, at 2 p. m. immediately preceding the business session of the Society of Zoologists.

Hotel headquarters for both groups will be the Statler Hotel, Park Square at Arlington Street, Boston. All rooms have baths; single rooms, \$3.50 up; double rooms, \$5.00 up; double room with twin beds, \$6.00 up. Reservations for rooms should be made early by members, directly with the hotel, and not through the secretaries or the local committee. Lists of other hotels will be published in an early issue of *SCIENCE*, in the preliminary announcement of the American Association for the Advancement of Science. It is expected that the usual arrangements for obtaining reduced railroad fares on the certificate plan will be made by the American Association for the Advancement of Science and announced in *SCIENCE*.

Members of Section F who desire to present papers should write at once to Dr. William H. Cole, Secretary, American Society of Zoologists, Rutgers University, New Brunswick, New Jersey, for transmission blanks, which are to be filled out and must accompany titles and abstracts. When completely filled out the transmission blank will give all the information needed by the secretary for placing the paper properly on the program and will indicate all the special facilities needed for the adequate presentation of the paper or the exhibit. All titles and abstracts must be in duplicate and must be in the office of the secretary not later than November 10, 1933. Titles received after this date can not be placed on the program, and titles unaccompanied by abstracts and transmission blanks will not be considered or accepted. The rules of the American Society of Zoologists will be followed in arranging the program and conducting the sessions: Members are limited to a maximum of 15 minutes which may be used to read papers or to introduce papers to be read by non-members.

Titles and abstracts should be sent as early as pos-

sible to the Secretary of the American Society of Zoologists (Dr. William H. Cole, Rutgers University, New Brunswick, New Jersey) rather than to the secretary of the section.

GEORGE R. LA RUE

UNIVERSITY OF MICHIGAN

RECENT DEATHS

DR. HERBERT E. SMITH, professor of chemistry and head of the medical school of Yale University from 1885 to 1910, died on October 9, at the age of seventy-six years.

DR. MARSHALL PERLEY CRAM, professor of chemistry and mineralogy and Josiah Little professor of natural science at Bowdoin College, died on October 10 at the age of fifty-one years.

DR. LEON S. MERRILL, dean of the College of Agriculture of the University of Maine, died on September 3.

FARLEY OSGOOD, electrical engineer, formerly vice-president and general manager of the Public Service Electric Company, Newark, New Jersey, died on October 6. He was fifty-nine years old. Mr. Osgood was president of the American Institute of Electrical Engineers in 1924-25 and was a well-known lecturer on electrical subjects.

DR. J. WALDO SMITH, consulting civil engineer, responsible for the construction of many engineering projects including the Catskill water supply system of New York City, died on October 14 at the age of seventy-two years.

THE death at the age of fifty-eight years is announced of Dr. Herbert Lapworth, the English engineer and geologist, who was a son of Professor Charles Lapworth.

SCIENTIFIC NOTES AND NEWS

THE University of Toronto on October 13 at a special convention held in connection with the re-opening of the Royal Ontario Museum conferred on Dr. Charles Greeley Abbot, secretary of the Smithsonian Institution, the degree of doctor of laws.

THE honorary degree of doctor of laws was conferred on October 14 at a special convention of Notre Dame University, South Bend, Indiana, on Senator Guglielmo Marconi.

THE Sedgwick Memorial Medal of the American Public Health Association has been awarded to Dr. Milton J. Rosenau, professor of preventive medicine and hygiene at the Harvard Medical School.

DR. EVANDER F. KELLY, secretary of the American

Pharmaceutical Association, received the Remington Medal awarded by the New York branch of the association at a meeting at Columbia University on October 12. The medal is given annually for distinguished work in the field of pharmacy.

DR. EBEN J. CAREY, who was recently appointed dean of the School of Medicine at Marquette University, and Dr. Chevalier Jackson, professor of bronchoscopy and esophagoscopy at the School of Medicine at Temple University, Philadelphia, were awarded the annual gold medals for research of the Radiological Society of North America at the recent meeting in Chicago. The award to Dr. Carey was in recognition of his x-ray study of bone growth and to Dr. Jackson for his work in removing foreign bodies from the trachea and lungs with the aid of x-rays.