

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.