

ing Professor W. J. Mead, of the department of geology, W. R. Appleby, of the school of mines, University of Minnesota; Professor W. H. Emmons, University of Minnesota; Frank Hutchinson, consulting engineer, Duluth, Minn.; L. D. Davenport, mining engineer, Hibbing, Minn.; and W. H. Graigo, mining engineer, recently of South Africa, of the University of Wisconsin, will go to China this summer as consulting experts for the South Manchuria Railway company. The party will sail from Seattle early in June and return in October. Professor Mead writes:

The South Manchuria Railway company controls partly developed iron and coal deposits near Mukdan, South Manchuria. The iron deposits resemble geologically those of the Lake Superior region. The railway company has employed a group of technical men familiar with the Lake Superior iron mining industry to make a thorough investigation of the Manchurian deposits during the coming summer and to advise on the best methods of opening up and developing both the iron ore and the coal.

#### EXPEDITION TO THE UPPER BASIN OF THE AMAZON

AN expedition to the headwaters of the Amazon River, under the leadership of Dr. H. H. Rusby, dean of the school of pharmacy of Columbia University, will sail for Antofagasta, Chile, on June 1. The main object of the expedition, which is financed by the H. K. Mulford Company, is the collection of herbs and plants likely to be of use in medicine, but studies will be made of the fauna and flora of the region.

Dr. Frederick L. Hoffman, statistician and vice-president of the Prudential Life Insurance Company, will accompany the expedition to make a study of health conditions with a view to the possibility of the acclimatization of white men in the region. Other members of the expedition are: Dr. William M. Mann, assistant entomologist of the Bureau of Entomology of the U. S. Department of Agriculture, in charge of entomology; Dr. Everett Pearson, University of Indiana, in charge of ichthyology; Dr. Orland E. White, of the Brooklyn Botanical Garden, representing Har-

vard University, in charge of botany; and George S. McCarthy, of Woodbury, N. J., taxidermist.

From Antofagasta, the expedition will travel by way of the Guggenheim mining properties to La Paz, Bolivia. From La Paz it will pass through unexplored territory, crossing the Andes at an elevation of more than 19,000 feet. Calamar will be used as a base for the expedition.

#### SCIENTIFIC NOTES AND NEWS

THE ROYAL SOCIETY on May 5 elected as foreign members Dr. Albert Calmette, of the Pasteur Institute; Dr. Henri Deslandres, of the Paris Observatory; Professor Albert Einstein, of the University of Berlin; Professor Albin Haller, of the University of Paris; Professor E. B. Wilson, of Columbia University, and Professor P. Zeeman, of the University of Amsterdam.

PROFESSOR GEORGE C. WHIPPLE, of the Harvard Engineering School and the Harvard Technology School of Public Health, has been elected an honorary fellow of the Royal Sanitary Institute of Great Britain.

DR. OTTO KLOTZ, director of the Dominion Observatory, Ottawa, has been elected president of Section III. (Mathematical, Physical and Chemical Sciences) of the Royal Society of Canada.

THE following officers were elected at the annual meeting of the Kentucky Academy of Sciences on May 14:

*President*, George D. Smith, Eastern Kentucky State Normal School, Richmond, Ky.

*Vice-president*, Lucien Beckner, Winchester, Ky.

*Secretary*, A. M. Peter, Experiment Station, Lexington, Ky.

*Treasurer*, Chas. A. Shull, University of Kentucky, Lexington, Ky.

*Member of Publications Committee*, D. W. Martin, Georgetown College, Georgetown, Ky.

*Representative in the Council of the American Association for the Advancement of Science*, A. M. Peter.

DR. A. R. MANN, dean of the New York State Agricultural College at Cornell Uni-