

summer in the so-called "dinosaur bowl," near Rock Springs, Wyo., and in the coal mines of Colorado.

Dr. Horace W. Stunkard, professor of zoology at New York University, the retiring president, delivered an address entitled "Parasitism and Evolution as Illustrated by Some of the Lower Forms of Life."

The A. Cressy Morrison Prizes of \$200 each were awarded to Robert H. Denison for a paper on paleontology and to Raymond L. Zwemer and F. H. Pike for their paper on the effect of nerve excitation on potassium in body fluids.

Announcement was made that two prizes of \$200 would be awarded by Mr. Morrison in 1938 for the best papers in a field of natural science, and that there would be an additional prize of \$500 for the best paper on scientific developments relating to the source of the sun's energy.

Officers elected in addition to Mr. Morrison are: Ida H. Ogilvie, Herbert Johnson, Irving Lorge, Harry L. Shapiro, *vice-presidents*; Wylls R. Betts, Jr., *treasurer*; Frederick H. Pough, *recording secretary*; Dr. Stunkard, *corresponding secretary*; G. Kingsley Noble, *librarian*; John H. Barnhart, *editor*; Dr. Brown and A. T. Poffenberger, *councilors*, and Herbert F. Schwarz, John D. Sherman, Jr., and Wayne M. Faunce, *members of the finance committee*.

SYMPOSIA OF THE AMERICAN CHEMICAL SOCIETY

A THREE-DAY symposium on the "less familiar chemical elements" sponsored by the Division of Physical and Inorganic Chemistry of the American Chemical Society, will be held at Cleveland, beginning on December 27. Professor Harold S. Booth, of Western Reserve University, is chairman of the division.

There are thirty-one papers on the program covering technological, scientific and economic developments concerning the rarer elements, including beryllium, tungsten, molybdenum, tantalum, columbium, indium, lithium, rubidium, gallium, cesium, selenium, germanium, rhenium and osmium.

M. J. Rentschler, general manager of the J. H. R. Products Company, Willoughby, Ohio, will be the chief speaker at a banquet on the evening of December 28, at the Hotel Statler, headquarters of the meeting. His subject will be "One of the More Familiar of the Less Familiar Elements." In addition to the papers to be read before the technical sessions there will be a symposium at 8 A.M. on Monday, December 27, at which Dr. J. Papish, of Cornell University, will discuss the non-terrestrial occurrence of the less familiar elements, and B. F. Scribner of the National Bureau of Standards will point out their occurrence in everyday materials; H. C. Meyer, president of the Foote Mineral Company, Philadelphia, will outline their economics, and Dr. E. G. Zies, of the Geophysical Lab-

oratory, Washington, D. C., will describe their concentration through igneous and related activity.

An industrial trip to the General Electric Company Wireworks is scheduled for Tuesday afternoon, December 28. The manufacture of tungsten and molybdenum wire from ore, and the separation and purification of argon will be demonstrated. Tours will be made on Thursday morning through the inorganic chemistry division of the Morley Chemical Laboratory of Western Reserve University, where the manipulation of fluoride gases will be illustrated; the research laboratories and color department of the Harshaw Chemical Company; and the laboratories of the Ferro Enamel Corporation. An exhibition will be arranged at the Hotel Statler.

At the seventh national organic chemistry symposium of the society to be held in Richmond from December 28 to 30, leading organic chemists will report progress in research dealing with vitamins, proteins and carbohydrates, synthetic drugs, refrigerants and the structure of other carbon compounds. Seventeen colleges and universities and three research laboratories will be represented by the addresses given.

Dean Frank C. Whitmore, of the Pennsylvania State College, who will take office as president of the society on January 1, will be one of the opening speakers on Tuesday morning, December 28. Professor I. A. Updike, of Randolph-Macon College, will give the address of welcome. Dr. Robert R. Williams, chemical director of the Bell Telephone Laboratories, will discuss the chemistry of thiamin, or vitamin B, the "beriberi vitamin," the structure of which he discovered after twenty-five years of effort. Professor Roger Adams, of the University of Illinois, past president of the society, will be present at the meeting and will read a paper describing the structure of gossypol, the toxic principle of cottonseed, at the Tuesday afternoon session.

Six reports on microchemistry will be presented on Tuesday evening. These have been arranged by Professor Alsoph H. Corwin, of the Johns Hopkins University; Dr. Lyman C. Craig, of the Rockefeller Institute for Medical Research, and Dr. Walter R. Kirner, of the Carnegie Institute of Technology, chairman of the Microchemical Section.

Dr. Max Bergmann, of the Rockefeller Foundation, will be the chief speaker at a dinner meeting on Wednesday. His subject will be "Protein Structure in Relation to Biological Problems."

OFFICERS OF THE AMERICAN CHEMICAL SOCIETY

DR. CHARLES A. KRAUS, professor of chemistry and director of chemical research at Brown University,