

Thus the memorial has rendered possible the calling of the first international conference on leprosy which took place in Manila in 1931, and an international *Journal of Leprosy* is about to be published by the International Leprosy Association with the financial aid of the Leonard Wood Memorial. Dr. Wade has been made medical director of the research aspects of the study in Culion and sent on a world tour of leprosaria in 1931-32. A recognized Philippine authority in the disease, Dr. José Rodriguez, was sent for special study in epidemiology to the Johns Hopkins University and has now returned to the Philippines.

The ultimate objective of the fund must be a direct attack through intensive investigation of the disease itself and perhaps in several centers where it exists. It was obvious from the first that highly trained experts must be chosen for this work and the choice of these experts and of the problems that they might propose to investigate in connection with leprosy were so important that it was judged necessary in 1932 to ask the cooperation of an advisory committee on research, consisting of the following members: Dr. Frederick P. Gay, *chairman*, Dr. J. A. Doull, Dr. Ernest W. Goodpasture, Dr. Esmond R. Long, Dr. Earl B. McKinley, Dr. Thomas M. Rivers, Dr. Malcolm H. Soule, and Dr. Hans Zinsser.

Before proceeding to the recommendation of problems and personnel, this advisory committee on research felt it essential to be placed in touch with the situation throughout the world, since most of them were chosen not in virtue of a direct and recent participation in the leprosy problem itself but rather through their broader contacts with research in the innumerable problems of epidemiology, pathology, bacteriology and immunology. For this purpose it is planned to send members of this group, as their time permits, either to the more thoroughly established stations in the Philippines or elsewhere for the first-hand investigation of specific problems, the detailed carrying out of which they may wish to recommend to the memorial for determined and prolonged study. During the current year Dr. Doull, Dr. Soule and Dr. Gay are to visit the two stations in the Philippines for the purpose of this survey and for actual work for a limited time in the problems of leprosy as they perceive them. Additional tours of inspection are not as yet provided for, but it may safely be foretold that the personal knowledge acquired and the international interest inspired by the contact which this group of scientists sets up will do much to pave the way for the eventual solution of this great problem.

F. P. G.

SOCIETIES AND MEETINGS

THE IOWA ACADEMY OF SCIENCE

THE forty-seventh annual meeting of the Iowa Academy of Science was held with Coe College at Cedar Rapids on April 21 and 22, with 268 members and visitors in registered attendance.

The presidential address, "Some Biological Contributions to Recreation," was presented by Professor H. E. Jaques, of Iowa Wesleyan College. Other papers of general interest were: "The Occurrence of Mottled Teeth in Iowa," by Carl T. Ostrem, D. A. Greenwood, H. A. Wilhelm and V. E. Nelson, of Iowa State College; "Suggestion as to Structure in Ionic Solutions," by G. W. Stewart, of the State University of Iowa, and "Note on the Purchase Price of a Bond," by John F. Reilly, of the State University of Iowa. The annual academy lecture was presented by Professor H. J. Gilkey, of Iowa State College, on "Building the Hoover Dam."

The following officers and section chairmen were elected for the forthcoming year: *President*, E. J. Cable, Iowa State Teachers College; *Vice-president*, Edward Bartow, State University of Iowa; *Secretary-Treasurer* and *American Association for the Advancement of Science Representative*, J. C. Gilman, Iowa

State College; *Editor*, Mrs. F. W. Nichols, Ames; *bacteriology* and *botany*, W. F. Loehwing, State University of Iowa; *chemistry, general* and *physical*, R. W. Getchell, Iowa State Teachers College; *chemistry, organic* and *biological*, V. E. Nelson, Iowa State College; *geology*, D. B. Gould, Cornell College; *mathematics*, J. F. Reilly, State University of Iowa; *physics*, E. P. T. Tyndall, State University of Iowa; *psychology*, Thomas McConnell, Cornell College; *zoology*, J. H. Bodine, State University of Iowa.

The academy convened in eight sections for the presentation of 152 papers of special interest. The retiring section chairmen made the following reports of their respective meetings:

Bacteriology and Botany: C. H. Werkman, *chairman*. The bacteriology and botany section presented a program of thirty-one papers and conducted a symposium on teaching under the chairmanship of Dean C. E. Friley, of Iowa State College. All meetings were well attended and the quality of the papers was high.

Chemistry: Leo P. Sherman, *chairman*. Papers were presented before the organic and biological section by Henry Gilman and students, V. E. Nelson,

and H. L. Keil, G. H. Coleman and others, J. B. Culbertson, L. Chas. Raiford, L. C. Bauguess and C. P. Berg, N. A. Clark, H. S. Olcott, H. Gregg Smith¹ and W. H. Seegers, on such widely diverse topics as: "The Progressive and Step-wise Decarboxylation of Furan-tetracarboxylic Acid" (Gilman); "The Effect of Substituents in the Formation of Thio-carbanilides by Various Methods" (Raiford); "The Rôle of Liver in Growth, Reproduction and Lactation" (Smith and Seegers); and "The Determination of Manganese in Biological Material" (Clark). The meeting was well attended and close attention was given to all the thirteen interesting papers. A joint dinner for all the chemists was ably presided over by Dr. Ben Peterson, of Coe College, who called upon Drs. Culbertson, of Cornell College, and F. E. Brown, of Iowa State College, for short addresses.

Geology: John E. Smith, *chairman*. The meeting of the geology section was instructive and well attended. Among the papers on stratigraphic geology were: "Section at Ft. Dodge Limestone Company's Mine"; "Stratigraphy of the Hopkinton Formation in Jones, Jackson and Clinton Counties"; "Iowa Stratigraphy on Methodical Scheme"; "The Kansas City Formation in the Pammel Park Area"; "Some Buried Pictured Rocks"; "The Structure of the Des Moines Series at Redfield, Iowa." On glacial geology were presented papers on "Contrasted Till Relief" and "Pleistocene Geology of Central Iowa." Papers related to geology were: "Possible Migration in the Very Dawning Period of Pueblo Culture" and "The Carbon Dioxide Cycle in Nature." An excellent paper on "The Status of the Devonian Beds at Middle Amana" was also presented.

Mathematics: L. M. Coffin, *chairman*. In addition to a number of papers on the history and teaching of mathematics, papers were presented on number theory, potential theory, geometry, differential equations, statistics, probability theory, mathematics of finance and mechanics. The joint dinner was addressed by Professors Smith, Rietz, Rusk and McGaw.

Physics: H. J. Plagge, *chairman*. The physics section of the Iowa Academy of Science met at Coe College, Cedar Rapids, Iowa, on April 21 and 22. All sessions were unusually well attended, and twenty-five papers, covering recent developments and investigations, were presented. At the annual dinner, held at the Roosevelt Hotel, Friday evening, Dr. G. W. Stewart spoke on the subject "Physics 'round the World," basing his lecture on his recent tour around the globe.

Psychology: Leigh C. Douglass, *chairman*. A total of twenty-eight papers, covering a wide range of subjects, was presented in the psychology section. These

papers, when classified, are as follows: abnormal, 3; art, 2; child, 3; education, 8; emotions, 2; music and speech, 5; physiological, 5. One of these papers, by Professor C. A. Ruckmick, of the State University of Iowa, on "What We Don't Know about Emotions," in which he summarized the research work that has been done in this field and charted the fields to be explored, was presented at the dinner meeting.

Zoology: Elery R. Becker, *chairman*. There were fifteen papers presented in the zoology section. Of these, three were concerned with the physiology of sex, two were purely physiological, four were anatomical in nature, two dealt with the parasitic protozoa, one presented the life history of the firebrat, two may be classified as ecologic, and one was of a systematic nature. One noticeable feature of the program was that most of the papers were given by the younger workers.

JOSEPH C. GILMAN,
Secretary

THE KANSAS ACADEMY OF SCIENCE

THE sixty-fifth annual meeting of the Kansas Academy of Science was held at the Kansas State College, Manhattan, from April 13 to 15. The program consisted of approximately 160 papers given in general sessions on Friday and Saturday forenoons, April 14 and 15, and in the sectional meetings. Sectional programs in biology, chemistry, physics, psychology and junior academy were held on Friday afternoon. The entomology sectional program was held on Saturday afternoon under the auspices of the Kansas Entomological Society. A total attendance of 293 was recorded at the programs.

Dr. Philip Fox, director of the Adler Planetarium, Chicago, delivered the main address on April 14, at 8:15 p. m., under the auspices of the Science Club and Sigma Xi at Kansas State College. His subject was "The Architecture of the Heavens." At the annual banquet earlier in the evening the retiring president of the academy, Dr. Robert Taft, of the University of Kansas, delivered the presidential address on "Old Photographs, a Brief Review of the History of American Photography in the Period 1840-1880." Dr. Paul B. Lawson, of the University of Kansas, opened the annual meeting by a lecture on spiders in the evening of April 13.

The officers elected for 1933-34 were: *President*, J. W. Hershey, McPherson College, McPherson; *First Vice-president*, W. H. Matthews, Kansas State Teachers College, Pittsburg; *Second Vice-president*, E. A. Marten, University of Wichita, Wichita; *Secretary*, G. E. Johnson, Kansas State College, Manhattan; *Treasurer*, H. A. Zinszer, Fort Hays Kansas State College, Hays. The chairmen of sections are: *Biology*, H. E. Crowe, Friends University, Wichita,

¹ Deceased.