

### MEETINGS OF THE AMERICAN PHYSICAL SOCIETY

THE American Physical Society held regular meetings at Berkeley from June 18 to 23 and at Ann Arbor from June 28 to 30. A report of the meeting at the University of California has been given in *SCIENCE* in connection with the report of the meeting of the American Association for the Advancement of Science.

In the last issue of *The Physical Review* Professor W. L. Severinghaus, secretary of the society, gives an account of the proceedings of the meeting at the University of Michigan according to which the presiding officers were Professor Arthur H. Compton, president of the society, and Professors Robert S. Mulliken and N. H. Williams. The attendance at the sessions was about two hundred and fifty.

The meetings on the first day were held in Dearborn, Michigan. The morning was occupied by a visit through the Greenfield Village Museums. After luncheon at the Dearborn Inn there was a lecture by C. E. Johansson of the Ford Motor Company on "Precision Gauges." After the lecture the members of the society were taken to the Ford plant at River Rouge for a trip through the plant.

The scientific sessions on Friday and Saturday were held in Hutchins Hall at the University of Michigan. These lecture rooms were extraordinary both in the beauty of their appointments and in the fact that they were air-conditioned. The Friday morning program consisted of three parallel sessions of contributed papers. On Friday afternoon there was a lecture by Professor George Gamow, of the Polytechnical Institute, Leningrad, Russia, on "The General Nuclear Problem." On Saturday morning there was a symposium on "Nuclear Moment." The invited papers were as follows: "Theory of the Effect of a Nuclear Moment on the State of the Atom," by G. Breit, of New York University; "Measurement of Nuclear Spin and Statistics by Means of Band Spectra," by Robert S. Mulliken, of the University of Chicago; "Survey of Experimental Hyperfine Structure Material. Values of Nuclear Magnetic Moments and a Discussion of Their Origin," by Robert F. Bacher, of the University of Michigan; "Measurement of Nuclear Spin and Moments by Method of Molecular Beams," by I. I. Rabi, of Columbia University; "Measurement of Nuclear Moments and Spin through the Polarization of Resonance Radiation," by Alexander Ellett, of the State University of Iowa. The regular scientific program consisted of forty-five papers.

On Friday evening one hundred and forty-three members attended the society dinner in the dining

room at the Michigan League. After the dinner the Michigan Repertory Players presented the play "A Hundred Years Old" in the Lydia Mendelssohn Theater which is also in the Michigan League Building. Saturday afternoon was devoted to a picnic at one of the near-by lakes.

### THE AMERICAN CHEMICAL SOCIETY

THE American Chemical Society will meet at Cleveland from September 10 to 14, under the presidency of Dr. Charles L. Reese. Dr. Reese's address on "Scientific Idealism" will be given at 8:30 in the evening of the first day following the informal subscription dinner.

At the opening general meeting at 2 o'clock on Monday four general papers will be presented. These are:

- J. R. Katz, Scheikundig Laboratorium, University of Amsterdam. "X-Ray Spectrography of Swelling."
- Robert E. Swain, Stanford University, California. "Chemistry during the Depression."
- N. K. Chaney, V. C. Hamister and S. W. Glass, National Carbon Company, Inc. "Constants of Carbon at Arc Temperatures."
- J. C. Hostetter, Corning Glass Works. "The Technic of Making Large Telescope Mirrors."

The divisions in which the society will meet, with the chairmen and the number of papers to be presented, are:

*Agricultural and Food Chemistry*, 30 papers; Dr. Donald K. Tressler, chief chemist, The Birdseye Laboratories, Gloucester, Mass.

*Biological Chemistry*, 43 papers; Dr. Robert C. Lewis, professor of biochemistry at the University of Colorado School of Medicine.

*Cellulose Chemistry*, 6 papers; Dr. C. E. Curran, chemist, of the Section of Pulp and Paper of the Forest Products Laboratory, Madison, Wis.

*Chemical Education*, 26 papers; Dr. Ross Allen Baker, professor of chemistry, in charge of the department, Commerce Center of the College of the City of New York.

*Colloid Chemistry*, 19 papers; Dr. Wesley G. France, professor of colloid and electro chemistry, the Ohio State University.

*Fertilizer Chemistry*, 23 papers; Egbert W. Magruder, control and chief chemist, F. S. Royster Guano Company, Norfolk, Va.

*Gas and Fuel Chemistry*, 32 papers; Harold J. Rose, senior fellow, Mellon Institute, Pittsburgh.

*History of Chemistry*, 7 papers; Dr. Frank Burnett Dains, professor of chemistry, University of Kansas.

*Industrial and Engineering Chemistry*, 16 papers; Walter G. Whitman, chemical engineer, associate director of research, Standard Oil Company of Indiana, Whiting, Ind.

*Medicinal Chemistry*, 31 papers; Dr. Paul Nicholas Leech, director of the Chemical Laboratory of the American Medical Association, Winnetka, Ill., and secretary of the Council on Pharmacy and Chemistry.

*Organic Chemistry*, 43 papers; Dr. Claude S. Hudson, professor of chemistry, National Institute of Health, U. S. Public Health Service, Washington, D. C.

*Paint and Varnish Chemistry*, 16 papers; Robert J. Moore, development manager, Varnish Resin Department, the Bakelite Corporation, Bloomfield, N. J.

*Petroleum Chemistry*, 11 papers; Dr. F. W. Sullivan, Jr., director of research, Standard Oil Company of Indiana, Whiting, Ind.

*Physical and Inorganic Chemistry*, 92 papers; Dr. Donald H. Andrews, professor of chemistry, the Johns Hopkins University.

*Rubber Chemistry*, 44 papers; Professor Ira A. Williams, consulting geologist, Portland, Ore.

*Sugar Chemistry*, 7 papers; Otto A. Sjoström, research chemist, Corn Products Refining Company, Argo, Ill.

*Water, Sewage and Sanitation Chemistry*, 20 papers; Edward S. Hopkins, sanitary chemist, Bureau of Water Supply, Baltimore, Md.

The usual entertainments have been arranged and visits to commercial firms in and near Cleveland will include The National Carbon Company, The Ferro Enamel Company, The Glidden Company, Easterly Sewage Disposal Plant, Baldwin Filtration Plant, Industrial Rayon Corporation, Otis Steel Company, American Gas Association Laboratory, General Electric Company, Nela Park, and Pitney Glass Works, The Westinghouse Electric and Manufacturing Company, Willard Storage Battery Company, the Western Sewage Disposal Plant, the Firestone Tire and Rubber Company, the General Tire and Rubber Company, the B. F. Goodrich Rubber Company, the Goodyear Tire and Rubber Company, and the Brewing Corporation of America.

## RECENT DEATHS

FRANK EVANS SEAGRAVE, astronomer and mathematician, owner and director of an observatory at North Scituate, R. I., died on August 15, at the age of seventy-four years. Mr. Seagrave took part in solar eclipse expeditions in 1878, 1887 and 1900. He was for forty years night editor of the *Boston Globe*.

DR. WILLIAM A. P. GRAHAM, associate professor of geology at the Ohio State University, died suddenly on August 11, at the age of thirty-five years. He was, at the time, engaged in geological work in the Sweet Grass Hills in northern Montana. Dr. Graham had held teaching positions at the University of Iowa and Texas Technological College and had been at the Ohio State University since 1928.

DR. EDWARD R. BERRY, for many years a member of the research staff of the General Electric Company, died on August 17, at the age of fifty-five years.

DR. ARTHUR LATHAM BAKER, formerly head of the department of mathematics at Manual Training High School, Brooklyn, died on August 13, at the age of eighty-one years.

DR. GEORGES DREYER, professor of pathology at the University of Oxford since 1907, died suddenly on August 17. He was sixty-one years old.

HERMANN GLAUERT, principal scientific officer at the Royal Aircraft Establishment at Farnborough, died on August 6, as the result of an accident. He was forty-one years old. Mr. Glauert was a fellow of the Royal Society and a fellow of Trinity College, Cambridge; he had been engaged on research in aerodynamics at the Royal Aircraft Establishment since 1916.

DR. EDWIN WARD, director of the Royal Scottish Museum, Edinburgh, died on August 10, at the age of fifty-four years.

## SCIENTIFIC NOTES AND NEWS

THE honorary doctorate of natural science has been conferred by the University of Frankfort-on-Main on Professor Henry Fairfield Osborn, honorary life president of the American Museum of Natural History.

DR. EUGENE ALLEN GILMORE, dean of the College of Law of the Iowa State University, has been elected to the presidency. He succeeds Dr. Walter Albert Jessup, who recently resigned to become president of the Carnegie Foundation for the Advancement of Teaching.

DR. CHARLES F. MARVIN, chief of the Weather Bureau from 1913 to 1934, retired from the government service on August 25 on the fiftieth anniversary of his enrolment. He had continued in service to com-

plete a half century of government work. Dr. Willis R. Gregg has succeeded Dr. Marvin as chief of the bureau.

JULIAN S. HUXLEY, from 1925 to 1927 professor of zoology at Kings College, University of London, and now honorary lecturer, has been nominated to the secretaryship of the Royal Zoological Society for election at the annual meeting next April. He will succeed Sir Peter Chalmers Mitchell, since 1903 secretary of the society, who reaches the age of seventy years in November.

ACCORDING to *Nature*, Professor C. E. Weatherburn, who holds the chair of mathematics in the University of Western Australia, has been awarded the