

The industrial division offers a symposium on corrosion, with Robert J. McKay as chairman, which will begin Wednesday morning. Such general fields as the corrosion of brasses; the corrosion of iron; the corrosion of aluminium alloys; the corrosion of stainless steel; the effect of minute films on corrosion; the corrosion of alloys of high temperatures; corrosion of antique bronzes; and the newer electrolytic theory of corrosion will be discussed. In addition, the program will contain also the names of W. R. Whitney, an exponent of the electrochemical theory; W. D. Bancroft, a recognized authority on the physical chemistry of corrosion; W. H. Bassett, an authority on corrosion resisting alloys; Guy D. Bengough and Ulick R. Evans, among the foremost authorities of England.

The paint and varnish section will hold its meetings on Wednesday and Thursday morning, with a dinner on Thursday evening. The gas and fuel section, besides a "Symposium on flames, their chemistry and controlling factors," with Professor R. T. Haslam as chairman, will have numerous original papers on gas and fuel subjects. The rubber division will arrange a symposium on either the "Measurement of the plasticity of rubber" or on the "Artificial aging of rubber by oxidation." The secretary urges all members of the society who are prepared to contribute on either of these subjects to communicate with him at once. The division will hold a dinner and smoker at 6 o'clock Thursday evening. The cellulose division will hold a symposium on "Oxy and hydro cellulose and cellulose hydrates," the discussion to be opened by Jesse Minor, Harold Hibbert, and John L. Parsons.

The division of agricultural and food chemistry wishes to announce that while the division will hold its usual meeting for the presentation of papers, the special symposium on "Insecticides and fungicides" will be held at Los Angeles rather than at Baltimore. This is done to meet a special demand from the West for a discussion of this subject.

The division of chemistry of medicinal products in addition to its regular papers will hold a symposium on "Chemistry in the field of microbiology." Papers have been promised by T. B. Johnson, Carl Voegtlin and John Churchman. One other paper will probably complete the morning program, as it is desired to give from thirty to forty minutes to each paper with time for discussion.

The division of chemical education in addition to the general program, on Tuesday afternoon will have papers of especial interest to college teachers on Wednesday morning and papers of especial interest to high school teachers on Friday morning, both under the chairmanship of Wilhelm Segerblom. Friday

afternoon will be given up to additional papers, reports of committees and to a business meeting.

UNIVERSITY OF MICHIGAN BIOLOGICAL STATION

THE University of Michigan Biological Station will hold its seventeenth session for instruction and research on the shores of Douglas Lake, Cheboygan County, Michigan, from June 22nd to August 14th. Instruction in zoology will be given by Professors George R. LaRue and Paul S. Welch, University of Michigan; Dr. Chas. Creaser, College of the City of Detroit; Dr. Frank Blanchard, University of Michigan, and Professor Herbert B. Hungerford, University of Kansas; in botany by Professors John H. Ehlers and Carl L. LaRue, University of Michigan, and Professors George E. Nichols, Yale University, and Frank C. Gates, Kansas State Agricultural College.

The courses in zoology include ichthyology, limnology, entomology, ornithology, herpetology and mammalogy; while in botany the following courses are offered: Taxonomy of green cryptogams, taxonomy of the bryophytes, systematic botany, ecology, plant anatomy and plant geography. For those requiring direction in research work the following fields are suggested: The morphology, taxonomy and life histories of parasitic worms, Professor LaRue; the fishes and mammals, Dr. Creaser; aquatic insects and limnological problems, Professor Welch; birds, amphibians and reptiles, Dr. Blanchard; the aquatic hemiptera, Professor Hungerford; the bryophytes, Professor Nichols; plant physiology and ecology, Professor Gates; and taxonomy of the flowering plants, Professor Ehlers.

Under certain conditions, properly qualified graduate students may complete the requirements for the M.A. or M.S. degree by working at the station through three or four summer sessions. Inquiries should be addressed to Professor Paul S. Welch, acting director, University of Michigan, Ann Arbor, Michigan.

MEMORIAL TO DR. THOMAS L. WATSON

THE following memorial on the death of Dr. Thomas L. Watson, late state geologist of Virginia, was passed at the meeting of the Association of American State Geologists held at Ithaca, New York:

During the past year one of our most beloved members, Dr. Thomas Leonard Watson, passed away, his death having occurred on November 10, 1924. His loss is most keenly felt by the association in which he was always a most active member, and he will be greatly missed by all his friends and associates in his chosen field.

To us who knew Dr. Watson best, he will be missed first as a friend, for he had the rare ability of making

lasting friendships among his associates. His official work in the State of Virginia was untiring and he represented that wonderful spirit of the New South, which put behind it all the disappointments of the Civil War, and always looked forward, devoting his energies to bringing about a renaissance of leadership and development. He was active in the founding of the present Virginia Geological Survey, and established its scientific work on a high plane as the true basis for industrial development. He was known and loved in every county of his native state and responsibility for much of its present industrial growth was rightly laid at his door.

As a teacher in the State University he upheld all its finest traditions, and added to it vision and inspiration.

Born on a plantation at Chatham, Virginia, 53 years ago, he was just in the prime of a vigorous life devoted to the upbuilding of his state along all lines. It is hard to realize that he has completed his life work, but he has set a mark for those that follow to emulate.

Be it resolved that this resolution be spread on the minutes of the association, and that copies be sent to his family and official associates in Virginia.

The Association of American State Geologists

M. M. LEIGHTON, *Secretary*

URBANA, ILL.

SCIENTIFIC NOTES AND NEWS

DR. ARTHUR R. CUSHNY, F.R.S., professor of pharmacology in the University of Edinburgh, will give the Charles E. Dohme memorial lectures for 1925 at the medical school of the Johns Hopkins University on May 8, 9 and 11. The title chosen by Professor Cushny for his three lectures is "Optical isomers in biology."

AMONG those receiving honorary degrees at the special commemorative exercises at the University of Pennsylvania on February 23 are Dr. Hubert Work, secretary of the interior, doctor of laws; Dr. Ray Lyman Wilbur, president of Stanford University, doctor of laws, and Dr. Charles Harrison Frazier, professor of surgery at the University of Pennsylvania, doctor of science.

WILLIAM H. BASSETT, metallurgist of the American Brass Company, has been awarded the James Douglas medal of the American Institute of Mining and Metallurgical Engineers, given for distinguished scientific achievement in the brass industry.

SIR HUMPHREY ROLLESTON, president of the Royal College of Physicians of London, was the recipient of the honorary fellowship of the Royal College of Physicians of Ireland, at a meeting of the college on February 7.

At a meeting in the Pasteur Institute, December 20, the director of the institute, Dr. Roux, presented M. Paul Strauss, a member of the Academy of Medi-

cine, with a medal for his services, as minister of hygiene, to social welfare.

PROFESSOR FULLEBORN, of the chair of tropical diseases at Hamburg, has been presented with the Japanese gold Katsurada medal.

DR. MURK JANSEN, instructor in orthopedics at Leyden, was tendered a banquet recently on his twenty-fifth professional anniversary, and substantial additions were made to the Jansen Foundation by former patients and the Netherlands Orthopedic Society.

THE REVEREND R. R. STEBBING, F.R.S., British zoologist, celebrated his ninetieth birthday on February 6.

DR. ADOLPH BARKAN, professor emeritus and one of the first members of the faculty of the Stanford University Medical School, celebrated his eightieth birthday in Rome, Italy, on January 8.

DR. VERNON KELLOGG, of the National Research Council, has been elected president of the Washington Academy of Sciences for 1925.

THE reappointment of General Amos A. Fries as chief of the Chemical Warfare Service for another term of four years has been confirmed by the United States Senate.

DR. E. D. BALL, director of scientific work in the United States Department of Agriculture, has tendered his resignation, to take effect March 4, 1925, to the incoming Secretary of Agriculture, President William M. Jardine, in order to give the new secretary the freest opportunity to select his immediate associates.

J. S. REICHERT, formerly professor of chemistry at the University of Notre Dame, has been appointed chemist in the Chemical Warfare Service, Edgewood Arsenal.

ROBERT REED, chemist for the du Pont Dye Works, has resigned, to take charge of the research work of the Lithographic Technical Foundation of the University of Cincinnati.

DR. JOHN C. MERRIAM, president of the Carnegie Institution of Washington, has left for Mexico to visit the ruins of the ancient Maya capital at Chichen Itza, Yucatan, where the institution is preparing for a thorough study of the civilization founded there. In Havana, Dr. Merriam will meet Dr. Clark Wissler, of the American Museum of Natural History, and Dr. A. V. Kidder, of Phillips Academy, members of the institution's advisory committee. The three then will sail for Progreso.

PROFESSOR E. C. JEFFREY, of Harvard University, will leave the United States for a visit to Australia and