

would signify in advance their intention to be present. While every effort would be made to find such, no accommodations can be guaranteed for overnight visitors other than for the delegates and invited guests. The program of the symposium is as follows:

*Friday Morning, 10:00 A. M. (D. S. T.)*

- (1) Dr. Irving Langmuir: "Chemical and Electrical Properties of Adsorbed Films on Tungsten."
- (2) Professor Max Bodenstein: "The Mechanism of the Catalytic Oxidation of Ammonia."

*Friday Afternoon, 2:00 P. M. (D. S. T.)*

- (3) Dr. Francis Perrin: "Fluorescence and the Problem of Negative Catalysis."

- (4) Mr. C. N. Hinshelwood, F.R.S.: "Trace Catalysis and Chain Reactions."
- (5) Professor M. Polanyi: "Atomic Reactions and Luminescence in Highly Dilute Flames."

*Saturday Morning, 9:30 A. M. (D. S. T.)*

- (6) Dr. K. F. Bonhoeffer: "Parahydrogen, Atomic Hydrogen and the Mechanism of Flame Reactions."
- (7) Drs. A. Mittasch and Frankenburg: "The Historical Development and Theory of Ammonia Synthesis."<sup>1</sup>
- (8) Drs. H. Mark, Dohse and Kälberer: "Kinetics and Adsorption at Contact Surfaces."<sup>1</sup>

## SCIENTIFIC NOTES AND NEWS

THE regular fall meeting of the executive committee of the council of the American Association for the Advancement of Science will occur in Washington on Sunday, October 20. All matters of business and policy that are to be brought before the council at the annual meeting in Des Moines should come before the executive committee at this fall meeting, in so far as that is possible. Communications to be presented to the executive committee should be in the hands of the permanent secretary, Dr. Burton E. Livingston, The Smithsonian Institution Building, by October 15 to make sure that they get properly placed on the order of business and properly presented.

THE Academy of Sciences of Saxony has elected as corresponding members Dr. Graham Lusk, head of the department of physiology of the Cornell Medical College; Dr. A. V. Hill, professor of physiology in the University of London; Dr. Max Planck, professor of physics in the University of Berlin, and Dr. David Hilbert, professor of mathematics in the University of Göttingen.

DR. N. L. BRITTON has been elected honorary president of the recently organized "Cactus and Succulent Society of America," of which Dr. A. D. Houghton is president and Mr. R. E. Willis, of Los Angeles, California, is secretary. The first issue of the *Journal* of the new society, published in July, 1929, records a membership of 350, widely distributed.

AT the Minneapolis meeting of the American Chemical Society the Priestley medal was presented to Mr. Francis P. Garvan, of New York, former alien property custodian, for distinguished services to chemistry. Mr. Garvan gave an address on "Random Thoughts of a Lay Chemist."

W. L. McATEE, senior biologist, in charge of the division of food habits research, U. S. Biological Survey, has been made a corresponding member of the

Royal Hungarian Ornithological Institution "in recognition of his merits in the field of ornithology."

THE first research committee of the American Society of Clinical Pathologists in 1928 planned a memorial to one of the founders and the first secretary-treasurer of the society by the institution of the Ward Burdick Research Award in the form of a gold medal bearing a profile image of the late Dr. Burdick on one side and the society seal and name of the recipient on the reverse. At the eighth annual convention held in Portland, Oregon, the first medal was awarded upon decision of the research committee by the president on the evening of the annual banquet to Walter Malcolm Simpson for his original studies on the subject of tularemia. At the 1928 meeting of the American Medical Association in Minneapolis, Dr. Simpson was awarded a gold medal for his "exhibit of the gross and microscopic changes in tularemia and for excellence of presentation."

DR. F. B. HUTT, associate professor of poultry husbandry in the University of Minnesota, has been awarded the first "Poultry Science Research Prize." This prize of \$100 will be awarded annually to the member of the Poultry Science Association who has published the most significant contribution to the field of poultry research. The article upon which the award was based appeared in *Poultry Science*, May 1, 1929, its title being "Sex Dimorphism and Variability in the Appendicular Skeleton of the Leghorn Fowl." Honorable mention was given Dr. Sylvia L. Parker, associate professor of poultry husbandry, University of California, for her article appearing in *Hilgardia*, March, 1929, entitled "Effects of Early Handicaps on Chickens Measured by Yolk Absorption and Body Weight to 20 Weeks."

<sup>1</sup> Papers 7 and 8 will be presented on behalf of the authors by Professor Hugh S. Taylor.

It is announced in *Nature* that Dr. Norman Dawson Royle has been awarded the Walter Burfitt Prize of the Royal Society of New South Wales for his contributions to the study of muscular action and his investigations into the problems of muscular paralysis during the years 1926-28. This is the first award of this triennial prize, which is to be given for papers of the highest scientific merit by a worker in pure or applied science resident in Australia or New Zealand.

THE Kelvin medal awarded every three years by British industrial establishments has been conferred on M. A. Blondel, inspector general of roads and bridges and a member of the Paris Academy of Sciences. Former recipients of the medal have been Dr. William Cawthorne Unwin, F.R.S.; Dr. Elihu Thomson and Sir Charles Parsons.

A CORRESPONDENT of the *Journal* of the American Medical Association reports that the Accademia dei Lincei held recently its annual formal session in Rome, at its headquarters in the Palazzo Corsini. The royal family was present. Professor Rizzo delivered the academic discourse. The royal prizes were offered, this year, in archeology and in normal and pathologic physiology. The prizes in physiology were conferred on Professor Carlo Foà, of the University of Milan, and Professor Quagliarello, of Naples. The prize in the biologic sciences was bestowed on Professor Viseo. Professor Palombi was the recipient of the Grassi prize in parasitology.

DR. FRIEDRICH RINNER, professor of mineralogy at Günterstal-Freiburg, has been elected an associate member of the Heidelberg Academy of Sciences.

DELEGATES from the United States to the first general assembly of the Pan-American Institute of Geography and History meeting at Mexico City from September 16 to 22 are: Colonel Lawrence Martin, chief of the division of maps, Library of Congress, president of the Association of American Geographers and formerly geographer of the Department of State and professor of physiography and geography at the University of Wisconsin; Dr. George Beverly Winton, of Vanderbilt University, and Dr. William Bowie, chief of the division of geodesy of the Coast and Geodetic Survey.

OLAF P. JENKINS has recently been appointed chief geologist to the California State Division of Mines and Mining, and is taking charge of the newly established geologic branch of this division, which is under the supervision of Walter W. Bradley, state mineralogist. The first duties of the chief geologist are to catalogue any published and unpublished material of the state, to evaluate it, to encourage further geological research and to compile the geology of the state with the ultimate aim of constructing a geologic map of California on the scale of 1:500,000.

DR. FRED W. WARD, on account of ill health, has resigned his position of chemist-pharmacologist in the Department of Pensions and National Health at Ottawa, Canada.

MAJOR-GENERAL HAROLD B. FAWCUS has been selected as director general of the army medical services of Great Britain to succeed Lieutenant-General Sir Matthew Fell, who will retire at his own request in September.

*Nature* reports that the Secretary of State for Scotland and the Minister of Agriculture and Fisheries have appointed the following committee "to investigate the origin, predisposing causes and mode of dissemination of furunculosis and similar infectious diseases among salmon, trout and other fresh-water fish in England and Scotland, and to conduct experiments with a view to ascertaining methods of combating the diseases": Professor T. J. Mackie (chairman), Professor J. A. Arkwright, Mr. T. E. Pryce-Tannatt, Mr. J. C. Mottram, Mr. Douglas Johnston, Mr. W. J. M. Menzies. The secretary of the committee is Mr. William Martin, of the Fishery Board for Scotland, Edinburgh, to whom communications should be addressed. A series of epizootics of furunculosis among salmon and trout in Great Britain in recent years has been sufficiently extensive to occasion considerable damage to valuable fisheries in the rivers affected.

DR. KARL F. MEYER, director of the Hooper Foundation for Medical Research in San Francisco, recently left for Italy at the request of an emissary of the Italian government, to make a study of the canning industry in that country and to complete a report for Benito Mussolini. On his way to Italy Dr. Meyer will visit Switzerland and study the canning industry there as part of a survey of this phase of industry in the leading countries of Europe. He expects to complete his work in Italy by October.

JULIUS FRIESSER and Arthur G. Rueckert, of the zoological staff of Field Museum of Natural History, are about to make a trip to central Canada where they will collect material needed for the completion of groups of certain animals from that region.

DR. ROBERT K. ENDERS, head of the department of biology of the Missouri Valley College, has returned to the Zoological Museum of the University of Michigan after a stay of two months at the Barro Colorado Island Biological Laboratory in the Canal Zone, where he made studies of the mammal life.

DR. CHARLES RICHET lectured on allergy during the week ending on September 21 at the Medical School of the University of California, in San Francisco, and in Oakland.

M. B. DAVIS, chief assistant of the division of horticulture of the Central Experimental Farm,

Ottawa, has been granted a year's leave of absence for special studies at the Research Station, Long Ashton, Bristol, England.

A CORRESPONDENT writes: "Dr. Barton Warren Evermann, director of the Museum of the California Academy of Sciences, has secured for that institution the entire Indiana University collection of fishes. The collection is said to contain more than 200,000 specimens—100,000 of South American species and an equal number from North America and elsewhere. This collection was begun in the early eighties by Dr. David Starr Jordan and his students, among whom were Gilbert, Swain, Eigenmann, Evermann, Meek, Jenkins, Blatchley, Fordice, Fesler, Bollman, Snyder and others. It was more than doubled in size and value by Dr. Carl H. Eigenmann, who, during the period of his professorship at Indiana University (1891-1927), was indefatigable in carrying on personally, or directing, ichthyological explorations in South America. Upon the death of Dr. Eigenmann in 1927, the president and trustees of Indiana University, in view of the fact that there was no one left at that institution to carry on ichthyological studies,

deemed it best to dispose of the collection. They wished it to go to an institution where it will receive the best of expert care and where it will continue to be utilized in research as it was for so many years under Dr. Jordan and Dr. Eigenmann and their students. President Bryan and his board of trustees no doubt felt a sentimental interest in having the collection follow Dr. Jordan and Dr. Evermann, his life-long associate, to California."

As a result of an anonymous gift of \$40,000 to match a legislative appropriation of \$40,000, Scripps Institution of Oceanography of the University of California is planning for the erection of a new laboratory building. It is planned to have four laboratories in the new building, each dedicated to the study of a different kind of work, including dynamical oceanography and marine meteorology, chemistry, marine bacteriology and the physiology of marine organisms.

DR. LUDWIG PICK, of the University of Berlin, will lecture on pathological anatomy in October before the New York Academy of Medicine.

## UNIVERSITY AND EDUCATIONAL NOTES

THE Herztein Medical Lectures, for which the late Dr. Morris Herztein left an endowment of \$20,000 to the University of California and Stanford University, will be started this autumn. Dr. Herztein left the residue of his estate to the University of California, approximately \$637,000. In accordance with his wishes, \$100,000 of this sum will be used as an endowment for a chair of biology either in the Medical School or on the Berkeley campus.

THE HONORABLE CHASE S. OSBORN, of Sault Ste. Marie, Michigan, former governor of that state and a graduate of Purdue University, has given to Purdue 5,200 acres of timber land in the northern peninsula of Michigan, valued at about \$200,000, the use of the funds derived from the benefaction being left entirely to the discretion of the university board of trustees.

PROFESSOR NELSON COURTLAND BROWN has been appointed acting dean of the New York State College of Forestry to succeed the late Dean Franklin Moon, who had held the office for nine years. Professor Brown has been head of the department of forest utilization since 1912, with the exception of 1917 to 1921, when he was a member of the United States Trade Commission in Europe, served in the army in France and acted as a consultant to the Republic of Czecho-Slovakia. He graduated from Yale in 1906 and from the Yale Forest School in 1908.

DR. KARL S. LASHLEY, of the Institute for Juvenile Research, Chicago, president this year of the American Psychological Association, will become professor of psychology at the University of Chicago on October 1.

NEW members of the teaching staff of the University of Southern California include Dr. William M. Marston, professor of psychology, and Dr. Lewis Dillon Roberts, professor of physical chemistry.

DR. OSCAR V. BRUMLEY, professor of veterinary surgery, director of veterinary clinics and secretary of the college of veterinary medicine of the Ohio State University, has been appointed dean of the college to succeed Dr. David S. White, who has resigned after serving for thirty-six years.

PROFESSOR W. A. PRICE has been appointed head of the department of entomology and botany at the University of Kentucky to succeed Professor Harrison Garman, who was retired from active service in June.

DR. LOUIS K. OPPITZ has been appointed head of the department of physics at Central College, Fayette, Missouri.

AT the University of Dijon, M. Boutaric has been appointed professor of physics to succeed M. Pionchon and M. Voisenet professor of general chemistry to succeed M. Pigeon.