

it is now with its position on the two previous occasions when the British Association met in Oxford. The title of his address will be "1860-1894-1926." Mr. Ormsby-Gore, M.P., will speak on the economic development of British Tropical Africa, and Sir John Snell on the future of electricity supply.

Receptions are to be held by the vice-chancellor of the university and by the mayor of Oxford in the examination schools and the Town Hall, respectively, on Thursday evening, August 5; and a *conversazione* given by the local executive committee, with the cooperation of the Junior Scientific Club, will be held in the University Museum and the Ashmolean Museum, on Tuesday evening, August 10.

The following sectional presidents have been appointed by the council:

Section A (mathematics and physics), Dr. A. Fowler, research professor of the Royal Society; section B (chemistry), Dr. J. F. Thorpe, professor of organic chemistry in the Imperial College of Science and Technology; section C (geology), Dr. S. H. Reynolds, professor of geology in the University of Bristol; section D (zoology), Dr. J. Graham Kerr, Regius professor of zoology in the University of Glasgow; section E (geography), Mr. W. Ormsby-Gore, parliamentary under-secretary for the colonies; section F (economics), Sir Josiah Stamp; section G (engineering), Sir John Snell, chairman of the electricity commission; section H (anthropology), Dr. H. J. Fleure, professor of geography and anthropology in University College of Wales, Aberystwith; section I (physiology), Dr. J. B. Leathes, professor of physiology in the University of Sheffield; section J (psychology), Dr. J. Drever, reader and Combe lecturer in psychology in the University of Edinburgh; section K (botany), Dr. F. O. Bower; section L (education), Sir Thomas H. Holland, rector of the Imperial College of Science and Technology; section M (agriculture), Sir Daniel Hall, chief scientific adviser to the Ministry of Agriculture.

SCIENTIFIC NOTES AND NEWS

DR. CHARLES C. ADAMS, professor of forest zoology and director of the Roosevelt Wild Life Forest Experiment Station of the New York State College of Forestry, Syracuse, has resigned, to become director of the State Museum, of the University of the State of New York at Albany. He succeeds the late Dr. John M. Clarke.

LUTHER BURBANK, internationally known for his work in horticulture, died at his home in Santa Rosa, Cal., on April 11, aged seventy-seven years.

THE Huxley memorial medal of the Royal Anthropological Institute of Great Britain has been conferred for the year 1927 upon Dr. Aleš Hrdlička, curator of the division of physical anthropology in the U. S. National Museum. Dr. Hrdlička will go

to London in November, 1927, to deliver the Huxley lecture before the institute and receive the medal.

THE Hayden Memorial Geological Award of the Academy of Natural Sciences of Philadelphia was presented to Dr. William Berryman Scott, professor of geology at Princeton University, at a meeting of the academy on April 13.

THE Washington Academy of Sciences held a joint meeting with the Philosophical Society and the Biological Society on April 15, in the Cosmos Club. On behalf of the American Geographical Society, presentations were made of the Cullum geographical medal to Dr. Harvey C. Hayes and of the Charles F. Daly medal to Brig. Gen. David L. Brainard. Dr. P. R. Heyl, of the U. S. Bureau of Standards, delivered an address on "Visions and Dreams of the Scientific Man."

DR. WILLIAM BLUM, chief of the electro-chemistry division at the U. S. Bureau of Standards, will receive the medal awarded this year by the American Institute of Chemists for outstanding contributions to science in the public service. The presentation of the medal will be made at the annual meeting of the institute in the Chemists Club, New York, on May 8. Dr. Blum was notified of his selection for the award by a number of chemists who gathered at the Bureau of Standards on May 6. The announcement was made by Dr. R. H. Bogue, professor of chemistry at Lafayette College, in a short speech to which Dr. Blum responded.

THE Royal Geographical Society has announced the following awards: The Founder's Medal to Lieutenant-Colonel E. F. Norton, for his distinguished leadership of the Mount Everest Expedition, 1924, and his ascent to 28,100 feet; The Patron's Medal to Professor Sir Edgeworth David, for his work on the Funafuti atoll, and with Sir Ernest Shackleton's Antarctic Expedition of 1907-09, as leader of the first ascent of Mount Erebus, and of the party which first visited the South Magnetic Pole; The Victoria Medal to Dr. John Ball for his Desert Surveys and Memoirs on the Geography of Egypt; The Murchison Grant to Mr. Frank Debenham for his contributions to the scientific exploration of the Antarctic; The Back Grant to Afraz Gul for his surveys in Central Asia and Hunza; The Cuthbert Peek Grant to Major Kenneth Mason to assist his further exploration of the Himalaya; and The Gill Memorial to Dr. H. Gordon Thompson for his journey on the Tibetan and Mongolian borders of China with Brigadier-General George Pereira.

CHARLES M. ALLEN, professor of hydraulic engineering at the Worcester Polytechnic Institute, has been elected president of the Boston Society of Civil Engineers.

DR. EDWARD R. WEIDLEIN, director of the Mellon Institute of Industrial Research, University of Pittsburgh, and Dr. R. A. Gortner, professor of agricultural biochemistry at the University of Minnesota, have been appointed research consultants in the chemical warfare service of the United States Army.

DEAN FRANKLIN MOON, of the New York State College of Forestry at Syracuse; E. M. Leads, president of the Massachusetts Agricultural College, and George T. Carlisle, president of the Carlisle Paper Company, Bangor, Me., have been appointed by Secretary Jardine as members of the Northeastern Forest Research Council.

PROFESSOR ALADINE CUMMINGS LONGDEN, who for twenty-five years has been at the head of the department of physics at Knox College, retires at the close of the present college year.

DR. F. R. BICHOWSKY, of the Johns Hopkins University, has been appointed consultant in thermochemistry to the U. S. Bureau of Standards.

DR. AFRANIO DO AMARAL, assistant in the Butantan Institute of Sao Paulo, Brazil, has been invited to organize a section for the study of animal poisons, toxins and antitoxins in the Institute of Tropical Biology and Medicine of Harvard University.

DR. AUGUSTE PETTIT, of the Pasteur Institute, Paris, has accepted an invitation to take charge of the tuberculosis research work to be carried on at the University of Montreal, in connection with the Dominion-wide program, planned by the Research Council of Canada.

R. S. VOSE has left the research laboratory of the Institute of American Meat Packers to accept a position in the organic research division of the Mallinckrodt Chemical Company, St. Louis.

PROFESSOR S. C. HARLAND, of the Imperial College of Tropical Agriculture, has been appointed head of the department of genetics on the staff of the cotton research station of the Empire Cotton Growing Corporation at St. Augustine, Trinidad. Other appointments to the same staff are: Dr. T. G. Mason, to be head of the department of plant physiology; Mr. J. B. Hutchinson, assistant geneticist, and Dr. E. J. Maskell, assistant plant physiologist, who will leave England on April 17 for Trinidad.

G. N. COLLINS and F. E. Kempton, of the U. S. Bureau of Plant Industry, sailed on March 17 for Haiti, for the purpose of inaugurating experiments with maize hybrids. They plan to remain five or six weeks and cover the region between Port au Prince and Cape Hatien.

At the invitation of the universities of Paris and Berlin, Professor M. Couto, president of the National

Academy of Medicine, Brazil, has left for Europe to deliver several lectures.

PROFESSOR TERENCE T. QUIRKE, chairman of the department of geology at the University of Illinois, has been granted leave of absence from May 1 to attend the meetings of the International Geological Congress to be held in Madrid, Spain. After the congress Professor Quirke plans to visit in France, England and Ireland.

THE expedition headed by Professor Matthew W. Stirling, of Berkeley, Cal., arrived at Sourabaya, Dutch East Indies, on the steamship *Fomalhout*, on April 9. The airplane of the expedition was placed aboard and the ship has left for Macassar, Celebes. The party will explore the unknown parts of Dutch New Guinea, particularly in an endeavor to find traces of pygmy tribes.

DR. MAYNARD M. METCALF'S address hereafter will be Johns Hopkins University, Homewood, Baltimore. In April, 1925, he was elected research associate in zoology, but because of duties at the National Research Council and because of a winter trip to Brazil, Uruguay and Panama for the collection of opalinid life history material he did not take up residence in Baltimore until last March.

DR. J. R. MUSSELMAN has resumed his work in the department of mathematics in the Johns Hopkins University, after a leave of absence for the first semester which he spent in London at Pearson's Statistical Laboratory.

PROFESSOR KIRTLEY F. MATHER, of the department of geology at Harvard University, will go to the Elk Hills, Cal., oil fields at the end of this month for a stay of about four weeks, where he will do scientific work for the federal government.

DR. LAFAYETTE B. MENDEL, professor of physiological chemistry in Yale University, recently visited the University of Illinois where he delivered lectures on "The Proteins in Nutrition" and "The Role of Proteins in Growth."

DR. HUGH S. TAYLOR, of Princeton University, lectured before the Northern West Virginia section of the American Chemical Society, on March 25, on "Contact Catalysis," and on March 29, Dr. James F. Norris, president of the American Chemical Society, lectured before the section on "Recent Advances in Organic Chemistry as applied to Industry."

DR. JOSEPH GOLDBERGER, of the U. S. Public Health Service, gave an address at the School of Hygiene and Public Health, Johns Hopkins University, on March 1, on "Present Status of Our Knowledge of the Etiology of Pellagra."

PROFESSOR ROSS AIKEN GORTNER, of the University of Minnesota, lectured on "Adsorption and Vital

Phenomena," under the auspices of Washington University and the Missouri Botanical Garden, at St. Louis, on March 22; at the Iowa State University, Iowa City, on March 23; at the Des Moines Academy of Medicine on March 24, and at the Mayo Foundation and Mayo Clinic, Rochester, Minnesota, on March 25.

THE Westbrook lectures at the Wagner Free Institute of Science for 1926 were delivered during March by Professor G. H. Parker, director of the Harvard zoological laboratory. The general subject of the lectures was "The Animal Mind—Its Sources and Evolution," and the four lectures dealt with "Animal Activities as Signs of Mind," "The Senses and the Mind," "The Beginnings of Mind," and "The Characteristics of Mind in the Higher Animals."

DR. H. H. KIMBALL, physicist in charge of observations of solar radiations at the United States Weather Bureau, lectured before the Franklin Institute, on April 15, on "Solar Radiation and Weather Forecasting."

DR. EDGAR JAMES SWIFT, of Washington University, will lecture before the postgraduate school of the U. S. Naval Academy at Annapolis on April 24. His subject will be "An Efficient Mind."

M. HENRI CORREVON, of the Jardin Alpin at Geneva, Switzerland, recently visited the University of Colorado. He lectured on alpine flowers in Denver.

A MEMORIAL tablet to Dr. Thomas Corwin Mendenhall, the distinguished physicist, third president of the Worcester Institute of Technology, will be dedicated on June 19. Dr. Mendenhall was president of the institution from 1894 to 1901.

DR. MAX D. KAHN, director of laboratories in the Beth Israel Hospital and associate in biochemistry at Columbia University, died on April 8, aged thirty-nine years.

DR. HAROLD WILLIAMS, dean emeritus of the Medical and Dental Schools of Tufts College, died on April 3, aged seventy-three years.

THE death is announced of Dr. L. Testut, emeritus professor of anatomy at the University of Lyon.

DR. W. E. HOWARTH, of the London School of Hygiene and Tropical Medicine, has been killed in an automobile accident in Southern Rhodesia, where he had gone under the auspices of the school to undertake research in medical entomology. Dr. Howarth was sixty years old.

THE Providence meeting of the American Society of Mechanical Engineers will take place from May 3 to 6.

THE Boylston prize committee of the Harvard Medical School has voted that none of the essays sub-

mitted are worthy of the prize. Essayists may have the return of their essays by notifying the secretary, Dr. Henry A. Christian, Peter Bent Brigham Hospital, Boston, of the legend on the essay and the address to which it is desired that the essay be sent.

A CORRESPONDENT writes of Bulletin 140, "Key-Catalogue of the Protozoa reported for Man," and Bulletin 142, "Key-Catalogue of the Worms reported for Man," prepared by Stiles & Hassall, have recently been issued by the U. S. Public Health Service. The demand for these keys has been so extensive that the original editions have been entirely exhausted. Congress has already reprinted Bulletin 142 in a Congressional Edition, as House Document No. 16. Zoologists and physicians interested in the two bulletins and wishing to obtain copies should write to their congressmen giving the exact references, namely Bulletins 140 and 142, Hygienic Laboratory, and should refer also to House Document No. 16.

DR. FRANKLIN H. MARTIN, of Chicago, director-general of the American College of Surgeons, has announced that arrangements have been concluded with the Panaman Hospital authorities for allocating temporary laboratory space in the International Hospital to enable the Gorgas Memorial workers to begin research work in tropical diseases and preventive medicine. The laboratory space will be maintained pending the erection of a permanent laboratory for the Gorgas Memorial. Professor Richard P. Strong, of Harvard University, will be in charge of the laboratory.

PRELIMINARY steps toward the foundation in New York City of a Museum of the Peaceful Arts, for which the late Henry R. Towne left a bequest of over \$1,000,000, are being taken through visits of American scientists and industrialists to Europe to inspect similar institutions there and gather information helpful to the project. Elmer A. Sperry, electrical engineer and inventor of the gyro-compass, and Dr. Calvin W. Rice, secretary of the American Society of Chemical Engineers, have already departed on such a quest. At a later date John W. Lieb, vice-president of the New York Edison Company, will make a similar trip, specializing in the study of light, heat and power exhibits. Other eminent engineers who are booked to help the movement by personal investigation abroad are Ambrose Swasey, who established the Engineering Foundation; President S. W. Stratton, of the Massachusetts Institute of Technology, and Dr. H. Foster Bain, formerly director of the U. S. Bureau of Mines.

The American Journal of Science, founded in 1818, has been turned over to Yale University by Professor Emeritus Edward S. Dana, '70, and will now become an integral part of the educational activities of the

university. Yale, in cooperation with Professor Dana, will continue to publish it as a scientific journal, covering the broader fields of science. The journal will be conducted by a committee appointed by the university, consisting of Professor Alan M. Bateman, chairman, Provost Henry S. Graves, Dean Charles H. Warren and Professor Edward S. Dana. The active editorship will be continued by Professor Bateman cooperating with Professor Dana. Dr. Ernest Howe, of New Haven and Litchfield, has been appointed editor of the journal by the university, and after he has had an opportunity to become acquainted with the editorial details will assume the active editorship.

WE learn from *Nature* that the first number of a new Russian periodical, *Journal de Biologie et de Médecine expérimentale*, published by the State Scientific Institute of the Commissariat of Public Health in Moscow, has been issued. The journal is devoted to experimental works in physiology, general pathology, bio-chemistry, bio-physics, microbiology and allied sciences. The editorial committee, under the directorship of Professor B. Sbarsky, consists of the following: A. Bach, P. Diatropoff, N. Koltzoff, P. Lazareff, L. Tarassevitch and M. Schaternikoff, with Professor I. P. Pavlov as one of the chief collaborators. The main object of the journal is to unite in one publication the original works appearing in Russia and hitherto scattered amongst the special biological and medical periodicals.

THE Russian Society for the Study of the Urals, Siberia and the Far East is publishing, in conjunction with the All-Russian Central Executive Committee for Assistance to Northern Tribes, a new periodical, *North Asia*, devoted to the study of the northern Asiatic territories of Russia. The journal has the support of the Chief Department of Scientific Institutions (Glavnauka) and is edited by V. Vilensky-Siberiakov. The main object of the new journal is the investigation of the economic problems of Siberia and the amelioration of the position of its native tribes. All the articles are written in Russian and are not provided with summaries in a foreign language, only the title of the journal and the table of contents being translated into English.

IT is announced that the British *Journal of Physiology* will be conducted in future by the Physiological Society, which has appointed an editorial committee of four. The change has been rendered necessary by the death of Professor J. N. Langley, who had been responsible for the editing.

DR. HAROLD C. BRYANT, economic ornithologist in the University of California, Museum of Vertebrate Zoology, and director of education and research for the California Fish and Game Commission, will again be in charge of the Yosemite Nature Guide Service

during the coming summer. Through the cooperation of the California Fish and Game Commission with the National Park Service, and under the title of Nature Guide Service there has been instituted an educational program for the visitors to this national park. Headquarters are established at the new Natural History Museum furnished by the Laura Spelman Rockefeller fund and through a program of lectures and field excursions, vacationists are instructed regarding the fauna and flora of the park and the means to be taken to conserve it. Last season the lecture attendance amounted to more than 50,000, and nearly 10,000 persons were taken on field excursions. Last summer Dr. Bryant helped to establish a school of field natural history designed to give needed training in field studies to teachers of natural history and to nature guides. This school will begin its second session on June 21. Six weeks are spent in Yosemite Valley and a seventh week is devoted to studies at timberline.

ACCORDING to the London *Times* Sir Frank Heath, secretary of the British Department of Scientific and Industrial Research, has presented a report to the Australian Parliament in which he recommends the reorganization of the Australian Institute of Science and Industry under an advisory council. He recommends that the cost should rise from £40,000 in the first year to £100,000 in the third year. He urges the establishment of a trust fund of £100,000 to assist in training young Australians for research and suggests that Great Britain and Australia should exchange scientific officers. It is stated that the government intends to give effect to the recommendations.

A PROJECT for the preservation of the fauna of South Africa has been launched at Capetown. Resolutions have been adopted in favor of introducing legislation to create a "National Kruger Park" in the area now known as the Sabie Reserve in the Transvaal. This is the home of lions, a great variety of buck and the finest fauna of the sub-continent. It also is hoped definitely to preserve the fauna of the Cape and Zululand on similar lines. Some speakers at the public meeting urged that the whole world, especially Great Britain and America, should join the South Africans in the preservation of the wonderful asset of one of the wealthiest countries of the world in fauna. They assured the meeting also that the proposal undoubtedly would meet the approbation of kindred societies in England and America and would be most attractive to the ever-increasing number of overseas visitors, as the park would be traversed by the railway.

A NEW building for the department of biochemistry at the Alfred Hospital, Queensland, Australia, said to equal any of its kind in Great Britain, was formally

opened on January 22, by Dr. M. T. MacEachern, of Chicago, who is in Australia surveying the hospitals. The new laboratory has nine rooms.

THE secretary of the British Department of Scientific and Industrial Research announces that the department has recently established a small research laboratory at Dudley House, Endell Street, in the vicinity of Covent Garden fruit and vegetable market. The laboratory will work in close connection with the Low Temperature Research Station, Cambridge, which is the headquarters of the fruit and vegetables section of the department's organization for food investigation. The object of the laboratory is to bring the station into closer contact with the trade in fruit and vegetables, and with the practical aspects of the problems of their transport and storage.

ABOUT \$35,000,000 is spent annually by American manufacturers in research work, and probably \$500,000,000 annually is saved as a result of such researches, according to estimates given by the United States Chamber of Commerce. Describing some of the principal research activities now in progress, the chamber said that the majority of trade associations were spending above \$20,000 each annually in cooperative research, while expenditures by large corporate units are much more. The National Canners' Association reported \$120,000 as its yearly research budget, while the Portland Cement and National Lime Associations each accounted for \$100,000. Large permanent investments in laboratories also were reported.

THE *Journal* of the American Medical Association states that the new state serologic institute at Utrecht was recently dedicated. During the ceremonies, Professor Aldershoff gave an account of the activities of the institute, which consist in inducing antidiphtheritic immunization by the use of the toxin-antitoxin mixture; immunization against scarlet fever; the crusade against asthma, in which Dr. Pondman is engaged, by means of a polyvalent autovaccine; the preparation and study of pertussis vaccines, and the new findings of Calmette and Guérin concerning vaccination against tuberculosis with BCG. Following the dedicatory address, Minister Aalberse gave the history of the institute, which was founded originally as a private enterprise of Dr. Spronck, before it became the annex, that it now is, to the central laboratory and to the University of Utrecht.

UNIVERSITY AND EDUCATIONAL NOTES

It is announced that more than \$8,000,000 have already been subscribed to the \$10,000,000 fund sought for building the University of Miami, Florida.

A CAMPAIGN is under way to raise \$5,000,000 for a new university in Kansas City to be known as the Lincoln and Lee University. The trustees contemplate breaking ground this fall, and the beginning of class work one year from that time.

DR. OSWALD VEULEN, professor of mathematics, has been appointed the first incumbent of the Henry Burchard Fine professorship of mathematics at Princeton University. Dr. James W. Alexander and Dr. Tracey Yerkes, National Research Fellow at Princeton, have been made assistant professors in the same department.

DR. HENRY C. HARTMAN, professor of pathology at the University of Texas, has been appointed acting dean of the medical school, to succeed Dr. William Keiller, professor of anatomy, who has remained on duty since tendering his resignation a year ago.

ROBERT DE COURCY WARD, professor of climatology, and Dr. Ralph Barton Perry, professor of philosophy, have been appointed the professors from Harvard University for the year 1926-27 under the interchange agreement between Harvard University and the western colleges.

DR. W. F. SHENTON has resigned his position at the United States Naval Academy to become professor of mathematics and head of the department at the American University, Washington.

PROFESSOR E. T. BELL, now of the University of Washington, has been appointed to the staff of the department of mathematics of the California Institute of Technology.

DR. J. H. TAYLOR, of Princeton University, has been appointed assistant professor of mathematics at Lehigh University.

DR. B. P. WATSON, professor of midwifery and diseases of women at the University of Edinburgh, has accepted the chair of obstetrics and gynecology in Columbia University, and the directorship of the Sloane Hospital for Women.

DISCUSSION AND CORRESPONDENCE

THE ISOLATION OF INSULIN

At a meeting held on January 20, 1926, of the Society of Experimental Biology and Medicine¹ a paper was presented on the isolation and analysis of a compound of insulin with Naphtolgelb S ("Flavimanic acid"). This preliminary paper, which was sent from Warsaw in December, 1925, to assure his priority in the field, can now be augmented by the following data.

¹ Proc. Soc. Exp. Biol. Med. 23, 281, 1926.