

were offered resolutions of approval by many national scientific organizations, testimony was given by leading scientists, and letters of approval from men prominent in the scientific and industrial life of the nation were placed in the record.

In the light of these hearings, the Committee on Commerce reported "favorably thereon, with the recommendation that the bill do pass without amendment."

The bill is now on the regular calendar of the Senate, and will be brought up for action during the coming winter session.

The most interesting feature of the progress of this bill in the Senate has been the fact that throughout all the discussions and the hearings emphasis has been laid upon the need of *fundamental research*, and not a single objection was made by any member of the Senate to the fact that fundamental research was being sought. This is a new thought in connection with congressional appropriations for research. It may be that this in part represents more advanced average thinking by the nation on research; frankly, however, I believe Congress is ahead of the average thought of the nation in this matter. Certainly it portends better things for the future.

CHAS. H. HERTY

THE CHEMICAL FOUNDATION  
NEW YORK CITY

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## SCIENTIFIC NOTES AND NEWS

It is announced that the Nobel prize for medicine for 1928 has been awarded to Professor Charles Nicolle, the director of the Pasteur Institute in Tunis, in consideration of his work on typhus, more especially on the part played by lice in carrying the disease.

DR. WILLIAM S. THAYER, professor emeritus of medicine at the Johns Hopkins University, has received the degree of doctor *honoris causa* from the University of Paris.

At the thirty-ninth annual meeting of the British Institution of Mining Engineers held in London on October 24, the president, Professor Henry Louis, presented the medal of the institution to Sir Henry Hall "in recognition of his long and distinguished services in the advancement of the science and technology of mining."

DR. WILLIAM C. WHITE, U. S. Public Health Service, has taken up his work as chairman of the division of medical sciences of the National Research Council for the ensuing year, succeeding Dr. Howard T. Karsner, of the school of medicine of Western

Reserve University, Cleveland. The vice-chairman of the division is Dr. Ludvig Hektoen, of the University of Chicago.

DR. GANO DUNN, president of the J. G. White Engineering Corporation, of New York City, recently chairman of the National Research Council, has been elected twentieth alumni trustee of Columbia University to serve until 1934.

In recognition of Professor Edward L. Rice's thirtieth year as a member of the faculty of Ohio Wesleyan University, thirty of his students in the field of botanical and zoological science have created an Edward L. Rice scholarship fund. A presentation of the fund to the university was made by Dr. Dwight M. DeLong, professor of zoology and entomology at the Ohio State University, at the chapel service on October 27, as a feature of the annual home-coming celebration. The fund will provide a scholarship each year for at least one advanced student, enabling him to do graduate summer-school laboratory work at one of the biological stations. Professor Rice went to Ohio Wesleyan as the head of the department of zoology in 1898. He is the son of Dr. William North Rice, three times acting president and now professor emeritus of geology at Wesleyan University.

DR. ROBERT A. LAMBERT, director of the School of Tropical Medicine in San Juan, Porto Rico, which is under the auspices of Columbia University, has resigned to accept a post as associate director of medical education with the Rockefeller Foundation. Dr. Earl B. McKinley, formerly a member of the staff of the International Health Division of the Rockefeller Foundation, has been appointed professor of bacteriology in the College of Physicians and Surgeons, Columbia University, and succeeds Dr. Lambert as director of the School of Tropical Medicine.

NORMAN R. BLATHERWICK, who for the past eight years has been biochemist and director of chemical research at the Potter Metabolic Clinic, Santa Barbara Cottage Hospital, California, has resigned to become director of the Biochemical Laboratory of the Metropolitan Life Insurance Company, New York, N. Y.

PROFESSOR JUSTIN S. DE LURY, head of the geological department of the University of Manitoba, has been appointed commissioner of mines for the province of Manitoba, in succession to Professor H. G. Wallace, who has recently been appointed president of the University of Alberta.

DR. FLORENCE BASCOM, professor of geology at Bryn Mawr College, having reached the age of retirement will continue her work at the U. S. Geological

Survey, Washington, D. C., where communications for her should be addressed. Dr. Charles S. Evans and Dr. Harland Billings will carry on the work in geology at Bryn Mawr College.

DR. JOHN H. GREGORY, of the Johns Hopkins University school of engineering, is employed by the Baltimore Public Improvement Commission as general consultant in matters pertaining to new \$10,000,000 water improvement projects.

PROFESSOR FRED L. PLUMMER, of the Case School of Applied Science, has been retained by Wilbur Watson and associates to act as consultant together with Professor George E. Beggs, of Princeton University, on the design of the mammoth zeppelin to be built by the Goodyear Zeppelin Corporation of Akron, which was awarded the contract for the construction of the world's two largest zeppelins by the United States government. Professor Plummer was granted a leave of absence of one year from the Case School and for several months has been devoting his full time to the design of the proposed Lorain Central High Level Bridge. He will now divide his time between these two projects.

THE following names of associate editors of *Animal Breeding* should be added to the list given in SCIENCE on October 5; Dr. C. H. Eckles, College of Agriculture, University Farm, St. Paul, Minnesota; Dr. J. W. Gowen, Rockefeller Institute for Medical Research, Princeton, New Jersey; Dr. J. L. Lush, Texas Agricultural Experiment Station, College Station, Texas; Dr. H. C. McPhee, animal husbandry division, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C.

DR. WILLIAM R. MAXON, associate curator of plants, of the U. S. National Museum, returned recently from a three months' trip devoted to study of tropical American ferns in European herbaria. About two thirds of the time was spent in London examining type and other material of Jamaican ferns at the British Museum (Natural History) and the Royal Botanic Gardens, Kew. Short visits were also made to the botanical museums at Stockholm, Copenhagen and Berlin.

H. T. EDWARDS, technologist of the office of fiber plants, Bureau of Plant Industry, who has been in the Philippine Islands nearly a year carrying on work with abaca and other fiber plants in cooperation with the Philippine Bureau of Agriculture, returned to Washington on October 21.

DR. JAN B. JANSEN, professor of anatomy at Oslo, Norway, is spending a year in research at Boston University.

PROFESSOR FRANCIS R. FRASER, director of the medical unit of St. Bartholomew's Hospital, London, is visiting Australia at the invitation of the post-graduate committee of the British Medical Association in Australia. He will lecture on cardiology to the members in Melbourne and Sydney.

SIR SAMUEL SQUIRE SPRIGGE, London, editor of *The Lancet*, has been visiting universities in the United States and Canada and will make a report on his return to England on medical education in the United States.

DR. GEORGE H. CRESSE, professor of mathematics in the University of Arizona, who has recently returned from a year's study at the University of Göttingen, delivered the annual liberal arts lecture on November 8, his subject being "Higher Education in Germany and America."

DR. C. E. K. MEES, director of the research laboratory of the Eastman Kodak Company, lectured before the Franklin Institute on October 25, on "Amateur Cinematography and the Kodacolor Process." He will give a lecture on "Kodacolor" in the American Museum of Natural History, New York City, on November 12, at 8:15 in the evening.

DR. SELIG HECHT, professor of biophysics at Columbia University, gave on November 3 a lecture on "The Nature of the Sensitivity of Animals to Light," at a special joint meeting of the Philosophical Society of Washington and the Biological Society of Washington, arranged through cooperation with the Optical Society of America.

PROFESSOR HARLAN T. STETSON, of the Harvard College Observatory, lectured on "What of the Sun Spots?" before the Amateur Astronomers Association at the American Museum of Natural History, New York City, on October 17.

DR. P. W. WHITING gave a lecture on "Some Recent Experiments in Heredity" and Dr. Elmer Hutchisson gave a lecture on "New Styles in Atoms" at a meeting of the Sigma Xi Alumni Association of the University of Pittsburgh on October 23.

DR. EDWIN O. JORDAN, professor of bacteriology and chairman of the department of hygiene and bacteriology in the University of Chicago, has been appointed Cutter lecturer in preventive medicine at Harvard University for the year 1928-29.

THE Harveian oration before the Royal College of Physicians of London was delivered on October 18 by Sir Humphry Rolleston, regius professor of physics in the University of Cambridge, who took as his subject "Cardio-vascular Disease since Harvey's day."

DR. J. A. GLOVER, of the British Ministry of Health, has been appointed by the Royal College of Physicians Milroy lecturer for 1930.

SIR JAMES JEANS, secretary of the Royal Society, who from 1905 to 1909 was professor of applied mathematics at Princeton University, delivered on October 30 the first Henry Herbert Wills Memorial Lecture, founded to commemorate the gift of the Physical Laboratory to the University of Bristol. The title of his lecture was "The Physics of the Universe."

A TABLET in memory of Charles Martin Hall has been unveiled in the house at Oberlin in which he invented the electrolytic process for the manufacture of aluminum in 1886, a year after he graduated from the college. In 1914 Hall willed to Oberlin College one third of his estate, a bequest which now amounts to about \$10,000,000.

AS has already been noted in SCIENCE a monument in memory of Pasteur has been unveiled in Grant Park, Chicago, near the Field Museum. The monument consists of a marble shaft twenty feet high surmounted by a bust of Pasteur. The speakers on the occasion of the dedication were: The French ambassador, Paul Claudel, Vice-President Charles G. Dawes, Dr. Frank Billings, chairman of the memorial committee, and Dr. Ludvig Hektoen.

A memorial meeting in honor of the late Dr. Hideyo Noguchi will be held in Cincinnati on November 18, sponsored by a committee representing the Academy of Medicine, the University of Cincinnati College of Medicine and the Public Health Federation. The principal address will be given by Dr. Frank Billings, of Chicago.

RICHARD L. HUMPHREY, distinguished for his work in mechanical engineering, chairman of the Pennsylvania State Board for the registry of professional engineers and surveyors, died on November 3.

DR. ALBERT SCHNEIDER, associate dean of the school of pharmacy of the North Pacific College of Oregon, died suddenly on October 27 at the age of sixty-five years.

DR. GEORGE HARTLEY BRYAN, F.R.S., died at Bordighera on October 13 at the age of sixty-four years. Dr. Bryan was an authority on thermodynamics and aeronautics. For many years he was professor of pure and applied mathematics in the University College of North Wales, Bangor, resigning the chair in 1926.

THE eighth annual meeting of the Highway Research Board will be held December 13 and 14, 1928,

at the National Academy of Sciences and National Research Council Building, B and 21st Streets, Washington, D. C. The meeting will cover two days, with the annual Highway Research dinner on the evening of December 13.

THE League Health Committee, on which Great Britain is represented by Sir George Buchanan and Colonel J. D. Graham, Australia by Dr. J. H. L. Cumpston, and the United States by Surgeon-General H. S. Cumming, Dr. Alice Hamilton and Dr. C. E. A. Winslow, which began its thirteenth session at Geneva on October 25, adopted the report of the League Malarial Commission, which lays emphasis upon the necessity of each government establishing a central permanent organization composed of selected workers who will devote their whole time to malarial research, and suggests certain general rules to be followed in choosing and applying methods for combating malaria in any particular area. The committee discussed the question of collaboration with Latin America. It was stated that the investigation into infant mortality that was taking place in certain Latin-American countries had progressed most satisfactorily, and would probably be finished some time next summer.

A SOCIETY of applied physics has been organized in Akron, Ohio, with Professor F. F. Householder, of Akron Municipal University, as first president. The purposes expressed in the constitution adopted by the Akron Society of Applied Physics are: "To contact broadly, socially and professionally, technically and intellectually with fellows in physics and with those interested in physics in educational and in industrial institutions, and elsewhere; to maintain and create interest in and for current events in the history, the development and the application of physics; to encourage and aid in the application of physics to and in industry and other fields of science and of social welfare, and to encourage and aid educational centers to fit men better for industrial and tutorial work in physics and its applications." It is hoped by those who are concerned in the organization of this local society that there may eventually evolve a National Society of Applied Physics, similar to the German Society of Technical Physics. Such a society, it is expected, will interest and attract a large number of technical workers in physics and in related lines that are scattered throughout the industries.

LECTURES at the Franklin Institute at Philadelphia are scheduled as follows: October 17, Dr. Howard McClenahan, secretary, The Franklin Institute, "Plans for the Development of the New Museum and Other Activities of the Institute." October 25, Dr.

C. E. K. Mees, director, Research Laboratory, Eastman Kodak Company, "The Kodacolor Process." November 8, Gustaf W. Elmen, Research Department, Bell Telephone Laboratories, New York City, "Magnetic Alloys of Iron, Nickel and Cobalt." November 15, Dr. Geo. E. Uhlenbeck, University of Leiden, Holland, "The Ideal Gas in Modern Physics." November 21, Hiram B. Ely, captain, Ordnance Department, Frankford Arsenal, "Detection of Aeroplanes." December 6, Professor Vladimir Karapetoff, Cornell University, "The Development of a Five-stringed 'Cello, with Demonstrations." December 13, Dr. Philips Thomas, research engineer, Westinghouse Electric and Manufacturing Company, "By-products of Radio." December 19, Dr. Hermann Joseph Muller, University of Texas, "Mutations by X-Rays."

THE Fourth Pan-Pacific Science Congress will be held in Batavia, Java, from May 16 to May 25, 1929, under the auspices of the Netherlands Indies Pacific Research Committee and supported by the patronage of the Netherlands Indies government. The Bureau of Education reports that all branches of the physical and biological sciences bearing on tropical life and conditions will be discussed at the congress; and excursions will be projected to various places of industrial, scientific and historical interest in the islands. Representative organizations which have been invited to cooperate in the congress are specially requested to send as early as possible to the First General Secretary, Fourth Pacific Science Congress, Buitenzorg (Java), Netherlands Indies, the following data: (a) The names, titles, professions and addresses of the delegates of their country, dominion, colony, territory or dependency; (b) the titles of the contributions they intend to present to the congress; (c) any special wishes concerning the organization meetings, scientific programs or excursions, and (d) the names of those who prefer hotel accommodation to hospitality in the homes of local residents. The congresses were inaugurated at Honolulu, Hawaii, in 1920, and subsequent meetings have been held in Australia and in Japan.

THE Lamont Astronomical Expedition of the University of Michigan completed the erection of its observatory at Bloemfontein, South Africa, and the installation of its 27-inch refracting telescope in the spring of this year. Regular observations for the discovery and remeasurement of double stars in the southern skies have been in progress since May 9. The number of discoveries up to September 1 last was 312 with many remeasured known doubles. The expedition is being directed by Professor R. H. Curtiss, director of the University of Michigan Observatory.

The staff in Africa includes Dr. R. A. Rossiter, chief observer in immediate charge, M. K. Jessup and H. F. Donner.

## UNIVERSITY AND EDUCATIONAL NOTES

IN compromise settlement of its suit against the Texan oil corporations, involving excess charges for gathering oil from wells upon land owned by the University of Texas in Reagan County, that institution has received a refund of \$1,000,000. The money was deposited to the credit of the permanent fund, increasing it to approximately \$11,000,000. This amount, with the exception of the \$1,000,000, was received as royalties on oil production upon university lands. Payments are still being received at the rate of more than \$150,000 a month.

DR. CHARLES G. CROOKS, for twenty-eight years professor of mathematics in Centre College and for a number of years dean of the college, has retired as dean emeritus because of ill health. He is succeeded as dean by Dr. Frank L. Rainey, professor of biology since 1908.

At the University of Virginia, Dr. Robert E. Lutz has been appointed associate professor of organic chemistry, Dr. Lyndon F. Small research associate in organic chemistry and Mr. Lauren B. Hitchcock associate professor of chemical engineering.

DR. LAWRENCE WELD SMITH has resigned as assistant professor of pathology at the Harvard Medical School.

IN the Canadian letter of *Industrial and Engineering Chemistry* by S. J. Cook it is reported that several changes have been made in the staff of the department of biology at McGill University. J. B. Collip, formerly professor of biochemistry at the University of Alberta and a graduate of the University of Toronto, is now in charge of the department of biochemistry. He will be assisted by David L. Thompson, of Cambridge University, England, and R. L. Kutz. B. P. Babkin, formerly of Dalhousie University, has been appointed research professor of physiology in the department of physiology and experimental medicine, headed by Professor John Tait. Dr. Babkin received his university training in Russia. C. E. L. Morrow has been appointed demonstrator in this department. Ethel Simpson (Cornell University), holding a National Medical Research fellowship, is working with Dr. Tait on thyroid problems.