

Research Council, for distinguished service to medical science.

Arthur Pugh, general secretary of the Iron and Steel Trades Confederation and of the British Iron, Steel and Kindred Trades Association.

The Order of Knight Companion of the British Empire:

Dr. John Cunningham M'Lennan, professor emeritus and visiting professor of physics, University of Toronto, for fundamental discoveries in physics and for scientific services.

The Order of Companion of the Bath:

Dr. William Thomas Calman, keeper of zoology, British Museum of Natural History; president of the Linnean Society of London.

Dr. Frank Sturdy Sinnatt, director of fuel research, Department of Scientific and Industrial Research.

AWARDS IN THE SCIENCES OF THE AMERICAN MEDICAL ASSOCIATION

IN the Class I exhibits at the meeting of the American Medical Association at Atlantic City the gold medal was awarded to an exhibit showing ergotocin, a crystalline form of the active principle in ergot, discovered after three years of research by the cooperative efforts of three physicians, Dr. M. Edward Davis, Dr. Fred L. Adair and Dr. Gerald Rogers, and two chemists, Dr. M. S. Kharasch and Dr. Romeo R. Legault.

The silver medal was awarded to Drs. Leonard G.

Rowntree, J. H. Clark and Arthur Steinberg, of the Philadelphia Institute for Medical Research, and Dr. A. M. Hanson, Faribault, Minn., for original investigations on the biological effects of the thymus and pineal glands.

The bronze medal was given to Drs. Jane Sands Robb, J. G. Fred Hiss and R. C. Robb, for original investigations on heart muscle-bundle physiology and experimental coronary lesions.

Certificates of merit were awarded to Dr. Bede J. Harrison, of the Vancouver General Hospital; Drs. Aaron E. Kanter, Carl P. Bauer and Arthur H. Klawans, of Rush Medical College, University of Chicago, and Drs. Isaac Schour and A. G. Brodie, of the University of Illinois College of Dentistry.

The gold medal in Class II was awarded to Drs. Stuart Harrington and Willis S. Lemon, of the Mayo Foundation for Medical Education and Research, Rochester, Minn., "for excellent presentation of an exhibit illustrating the surgical treatment and clinical manifestations of various types of diaphragmatic hernia [inverted stomach] and intra-thoracic tumors."

The silver medal, given for exhibits that do not exemplify purely experimental studies, was given to Drs. David W. Mackenzie and Alexander B. Wallace, of the Royal Victoria Hospital, Montreal, for their exhibit on lymphatic studies. The bronze medal went to Dr. James Harold Mendel of Philadelphia for his exhibit on eardrums.

SCIENTIFIC NOTES AND NEWS

THE summer meeting of the American Association for the Advancement of Science opens at the University of Minnesota, Minneapolis, on June 24, under the presidency of Dr. Karl T. Compton, president of the Massachusetts Institute of Technology. The opening session on Monday evening will be a joint meeting with the Minnesota State Medical Association with an address on "Diseases of the Blood," by Dr. W. P. Murphy, which will be followed by a reception given by Dr. Lotus D. Coffman, of the University of Minnesota, and Mrs. Coffman. The Maiben lecture will be given on Tuesday evening by Dr. Richard P. Strong, and there will be other evening lectures by Dr. Isaiah Bowman, Dr. W. F. G. Swann and Dr. Philip Fox. The full preliminary program will be found in the issue of SCIENCE for May 24.

THE Barnard gold medal "for meritorious service to science" of Columbia University has been awarded to Dr. Edwin P. Hubble, astronomer of the Mount Wilson Observatory. This medal was founded in 1889 and is awarded every five years on the recommendation of the National Academy of Sciences.

THE gold medal of the Linnean Society of London was presented at its anniversary meeting on May 24 to Dr. David Prain, until his retirement in 1922 director of the Royal Botanic Gardens at Kew, "in recognition of his services to botany." Dr. W. T. Calman delivered the address of the president on "The Meaning of Biological Classification."

THE council of the Royal Empire Society has awarded its gold medal for 1935 to Sir Wilfred Grenfell, "in recognition of his services to the Empire and of the excellence of his book, 'The Romance of Labrador.'"

THE degree of doctor of laws was conferred at the commencement of the University of Pennsylvania on Dr. Charles Russ Richards, mechanical engineer, retiring president of Lehigh University, and on Dr. Isaiah Bowman, director of the American Geographical Society, chairman of the National Research Council and president-elect of the Johns Hopkins University.

HONORARY degrees conferred by Wesleyan University included the doctorate of science on Dr. George

H. Whipple, professor of pathology of the School of Medicine and Dentistry at the University of Rochester.

THE degree of doctor of engineering has been conferred by the Polytechnic Institute of Brooklyn on Dr. Charles F. Scott, professor emeritus of electrical engineering at Yale University, and the degree of doctor of science on Professor Roger Adams, head of the department of organic chemistry at the University of Illinois.

At the commencement of Temple University, Philadelphia, the doctorate of laws was conferred on Dr. Edward Martin, emeritus professor of surgery at the University of Pennsylvania, and the doctorate of science on William H. Meese, vice-president of the Western Electric Company, Baltimore.

THE degree of doctor of laws was conferred by New York University on June 10 on Frederick Trubee Davison, president of the American Museum of Natural History.

OFFICERS of the American Medical Association were elected on June 13 at the Atlantic City meeting as follows: *President-elect*, Dr. J. Tate Mason, of Seattle; *Vice-president*, Dr. Kenneth M. Lynch, of Charleston, S. C.; *Secretary*, Dr. Olin West, of Chicago (reelected); *Treasurer*, Dr. Herman L. Kretschmer, of Chicago (reelected); *Speaker of the House of Delegates*, Dr. Nathan B. Van Etten, of New York; *Vice-speaker*, Dr. H. H. Shoulders, of Nashville, Tenn. The house of delegates voted to accept the invitation to hold the 1936 convention in Kansas City, Mo.

THE officers, executive committee and members of the Division of Geology and Geography, National Research Council, for the year beginning July 1 are as follows: *Chairman*, Edson S. Bastin; *Vice-chairman*, W. L. G. Joerg; *Executive Committee*, Edson S. Bastin, W. L. G. Joerg, A. F. Buddington, Charles Butts, W. F. Foshag and Robert S. Platt; *Representatives of Societies*, Donald C. Barton and A. F. Buddington, Geological Society of America; W. F. Foshag, Mineralogical Society of America; Charles Butts, Paleontological Society; C. F. Marbut and Robert S. Platt, Association of American Geographers; W. L. G. Joerg, American Geographical Society; Thomas B. Nolan, Society of Economic Geologists; F. H. Lahee, American Association of Petroleum Geologists; *Members at Large*, Florence Bascom, Edson S. Bastin and Ellsworth Huntington.

At the seventeenth annual meeting of the American Society of Mammalogists held at the Carnegie Museum, Pittsburgh, from April 30 to May 4, officers elected for the coming year are: *President*, H. E. Anthony; *Vice-presidents*, Joseph Grinnell, E. A. Preble; *Recording Secretary*, Robert K. Enders;

Corresponding Secretary, William H. Burt; *Treasurer*, Mrs. Viola S. Snyder; *Editor*, A. Brazier Howell; *Directors*, class of 1935-1937, Remington Kellogg, A. Brazier Howell, W. E. Saunders, Harold J. Coolidge, Jr., William J. Hamilton, Jr. Seventy-one members were present at the meeting. These came from thirteen states and two Canadian provinces, and thirty-five papers, dealing with various phases of mammalogy, were presented. The next annual meeting will be held at the Academy of Natural Sciences in Philadelphia.

At the annual installation banquet of the Western Reserve University Chapter of the Society of the Sigma Xi, the following officers for 1935-36 were installed: *President*, J. P. Visscher; *Vice-president*, C. J. Wiggers; *Secretary*, W. M. Krogman; *Treasurer*, Frank Hovorka. The address of the evening, under the joint auspices of the Brush Foundation and the Society of Sigma Xi, was given by Professor C. U. Ariens Kappers, director of the Central Institute for Brain Research, Amsterdam, on "The Brain of Prehistoric and Recent Races of Man."

THE Botanical Society of New Orleans held its annual dinner on June 7, and elected the following officers for the year 1935-36: Ronald B. Craig, associate forest economist of the Southern Forest Experiment Station, *president*, to succeed Dr. William T. Penfound, professor in the department of botany of Tulane University; James M. McArthur, director of nature study and gardening of the Orleans parish public schools, *vice-president*; Dr. Minna F. Koch, morphologist, *secretary*, and Philip C. Wheeler, associate forest economist, *treasurer*.

DR. LINUS H. JONES, assistant research professor of botany at the Massachusetts State College, was elected secretary of the New England section of the American Society of Plant Physiologists at the recent meeting at the University of New Hampshire. Dr. Walter S. Eisenmenger, head of the department of agronomy, was reelected to the executive board.

PROFESSOR PIETER ZEEMAN has retired from the professorship of physics and directorship of the Physical Institute of the University of Amsterdam, having reached his seventieth birthday. *Nature* reports that in order to allow his many admirers an opportunity of showing their appreciation of his important contributions to science, it is proposed that a jubilee volume be published, to which thirty distinguished physicists have already promised contributions, and that a Zeeman fund, a Zeeman medal or some similar method of encouraging research be founded. A general committee with representatives from all parts of the world has been formed with an executive commit-

tee under Professor J. D. van der Waals, Jr., with T. L. de Bruin, of 33 Gerard Terborgstraat, Amsterdam S., as secretary and treasurer to carry out the proposals, and an appeal is now made for funds in support of the scheme.

At Harvard University, Dr. John Hasbrouck Van Vleck has been appointed to a professorship of mathematical physics, Dr. Harry Rowe Mimno, tutor, has been made assistant professor of physics, and Frederick Vinton, tutor, has been appointed instructor in physics and communication engineering and tutor in the division of physical sciences.

At the University of Colorado, Dr. P. G. Worcester has been promoted from acting head to head of the department of geology; Dr. Warren O. Thompson, from assistant to associate professor of geology; Dr. Howard Stagner, from assistant to instructor in geology, and Dr. L. O. Quam, from part-time to full-time instructor in geography.

DR. HORACE J. FRASER, research geologist with the International Nickel Company at Sudbury, Ontario, has been appointed assistant professor of mineralogy and mineragraphy at the California Institute of Technology.

DR. HENRY KLEIN, formerly associated with Dr. E. V. McCollum at the School of Hygiene and Public Health, the Johns Hopkins University, has been appointed to the staff of the Dental College of the University of Detroit.

At the University of London, the chair of civil and mechanical engineering, King's College, has been filled by the appointment of Dr. C. H. Lobban, university reader in civil engineering at the college, and the chair of physiology, St. Mary's Hospital Medical School, by the appointment of Dr. A. St. G. J. McC. Huggett, reader in pharmacology and member of the department of physiology at the University of Leeds.

EDGAR SYDENSTRICKER was appointed scientific director of the Milbank Memorial Fund on June 1. From 1920 to 1928 he was in charge of statistical research in the U. S. Public Health Service and since then has been consulting statistician to the service and director of the research staff of the Milbank Fund.

DR. J. G. HILDEBRAND, JR., a graduate of Columbia University, has recently joined the staff of Gustavus J. Esselen, Inc. He will have charge of a new laboratory devoted to the application of electronics to industry. He will also assist in the application of the principles of motion picture photography to the recording and interpretation of the results of scientific investigations.

THE British Minister of Health and the Secretary of State for Scotland have appointed an Advisory Committee with the following terms of reference: To inquire into the facts, quantitative and qualitative, in relation to the diet of the people, and to report as to any changes therein which appear desirable in the light of modern advances in the knowledge of nutrition. The chairman of the committee is Lord Luke. Members include Professor E. P. Cathcart, Sir F. Gowland Hopkins, Professor E. Mellanby and Sir John Boyd Orr.

DR. FRANCIS E. LLOYD, emeritus professor of botany at McGill University, will visit Capetown and Australia during the next fifteen months for the particular purpose of studying *Utricularia* in the field. He will visit Brisbane in the summer season and move south and west, so as to spend some months in Perth, Southwest Australia, during the following winter season.

GUESTS for the summer at the Morris Biological Farm of the Wistar Institute of Anatomy include Dr. O. Larsell, professor of anatomy at the University of Oregon, who will continue his studies on the development of the nervous system of the opossum; Dr. Edward L. Corey, assistant professor of physiology at the University of Virginia, who will work on the central nervous system by operative procedures on pregnant rats, and Dr. Rush Elliott, associate professor of comparative anatomy at Ohio University, who will carry on neurological work with Dr. A. W. Angulo, associate member of the institute.

DR. KIRTLEY F. MATHER, professor of geology at Harvard University, gave the baccalaureate address at Purdue University.

DR. JESSE HAYES WHITE, formerly professor of psychology at the University of Pittsburgh and ex-president of James Millikin University, gave the commencement address at Upper Iowa University on June 10.

SIR ARTHUR EDDINGTON gave an address on "The Physics of the Sun" on the occasion of the dedication on June 11 of the new solar telescope provided for Professor H. H. Plaskett at the University Observatory, Oxford.

THE annual meeting of the Federation of American Societies for Experimental Biology will be held in Washington, D. C., from March 25 to 28, 1936.

THE seventh annual meeting of the Society of Rheology will be held in New York City at the Bell Telephone Laboratories on October 11 and 12. Special features of this meeting will be the two symposia which are being planned on the rheological aspects of rubber and plastics. The committee in charge of the de-

velopment of the plastics symposium are: Dr. E. O. Kraemer, Marshallton, Del., and H. F. Wakefield, Bakelite Corporation. The rubber symposium is being developed by Dr. Melvin Mooney, U. S. Rubber Products Company, and J. H. Dillon, Akron, Ohio. In addition, a general symposium on rheology is being developed by Dr. E. C. Bingham, Lafayette College, and Dr. A. Nadai, of the Westinghouse Electric and Manufacturing Company. Authors having papers which they wish to present at this time are invited to address the specified committees.

FINAL sessions of the tenth annual meeting of the Hawaiian Academy of Science were held on the evenings of May 16 and 17 at the University of Hawaii in Honolulu. Previous sessions for the presentation of papers had been held on October 24 and 25. The annual dinner was held on May 18 at the Pacific Club, followed by an address on Hawaiian birds by the retiring president, Edwin H. Bryan, Jr., curator of Collections of the Bishop Museum. The following officers were elected for the year 1935-1936: *President*, Chester K. Wentworth, geologic engineer, Board of Water Supply; *Vice-president*, Harold A. Wadsworth, soil physicist, School of Tropical Agriculture, University of Hawaii; *Secretary-treasurer*, Beatrice H. Krauss, assistant plant physiologist, Experiment Station, Pineapple Producers' Cooperative Association; *Council*, in addition to officers: E. H. Bryan, Jr., past president, *ex officio*; E. L. Caum, assistant botanist, Experiment Station, Hawaiian Sugar Planters' Association, 1935-1937; Walter Carter, entomologist, Experiment Station, Pineapple Producers' Cooperative Association.

ACCORDING to a United Press dispatch, three hundred foreign astronomers are expected at Paris between July 9 and 17 to attend the biennial congress of the International Astronomical Union. Presiding over the sessions of the congress will be Professor Frank Schlesinger, director since 1920 of the Yale University Observatory. He also heads the executive committee, which draws up the agenda. Count de la Baume Pluvinel, who is president of the French National

Committee of Astronomy, is arranging for the practical aspects of the congress. He is aided by Jules Baillaud, astronomer of the Paris Observatory. Thirty nations are to be represented, as was the case in 1932, when the congress was held at Harvard University.

THE Division of Medical Sciences of the National Research Council will hold a special meeting in November, 1935, for the consideration of applications for grants-in-aid in this field. Applications to be considered at this meeting must be on file with the Secretary of the Committee on Grants-in-Aid, Dr. Clarence J. West, not later than October 1, 1935. Applications received after October 1 and prior to February 15, 1936, will be acted upon at the next regular meeting of the committee in March, 1936.

E. J. BUFFINGTON, Chicago steel manufacturer, has given \$100,000 as an endowment to Vanderbilt University. Half of the endowment is to be used as a general fund and the other half is to endow a chair in the school of religion to be named the Drucilla Moore Buffington chair in memory of his late wife.

STANFORD UNIVERSITY has received a gift of \$1,000 from the widow of James Perrin Smith, to be used for the maintenance and improvement of his library on the subject of fossil Cephalopoda. The library itself was presented by Mrs. Smith to the library of the university soon after the death of Dr. Smith in 1931.

JULIAN W. LOW, of the department of geology of the University of Colorado, has recently completed a mold for the striking of plaster casts of a relief model of the western half of Boulder County. The model is 50 inches by 58 inches in size, with a horizontal scale of two inches to the mile, and a vertical scale of one inch to one thousand feet. It includes the western edge of the Great Plains and all the intervening country to and a little beyond the Continental Divide. The foothills ridges, the canyon cutting below the Rocky Mountain peneplain, the peneplain remnants themselves and the glaciation near the Continental Divide are some of the topographic features brought out by this model.

DISCUSSION

THE NEW ACTIVE PRINCIPLE(S) OF ERGOT

THE arguments advanced by Dudley and Moir in connection with their recent suggestion¹ that *ergotocin* be recognized as identical with *ergometrine* and called by the latter name embody several misconceptions. For two of these the careless wording and erroneous placement of the footnote on p. 166 of our earlier pub-

lication with Davis, Adair and Rogers in the *American Journal of Obstetrics and Gynecology* (29: 155-67, February, 1935) were undoubtedly responsible. This footnote was intended to announce that Eli Lilly and Company could supply commercial quantities of the pure, active principle, *ergotocin*—not "an impure preparation," as assumed by Dudley and Moir. Indeed, at the time the announcement actually appeared the company had been preparing the pure principle

¹ SCIENCE, 81: 2110, 559, June 7, 1935.