

the annual award of a medal "for accomplishment in technical teaching or actual advancement of the art of technical training," and in the latter for the award every five years of a medal to a graduate of the Ohio State University in any branch of engineering for meritorious achievement in engineering or the technical arts. The three organizations have adopted a common obverse for their medals and each has prepared a suitable reverse.

In order to become familiar with American practice, Mr. Field joined the General Electric Company in 1902 and spent more than a year in the testing department in Schenectady, afterwards being engaged in transformer design. He then was employed by the Bullock Electric Manufacturing Company, the Allis Chalmers Company and the Westinghouse Electric and Manufacturing Company. He was consulting engineer and professor of mechanical engineering at the University of Manchester, England, from 1914 to 1917, and during the next three years was with Vickers, Ltd., London. Since 1920 he has been consulting engineer of the Metropolitan-Vickers Electrical Company, Ltd., Manchester, England.

Mr. Field is the author of a number of important papers on electrical machinery which have appeared in the *Transactions* of the American Institute of Electrical Engineers and other engineering publications.

### SCIENTIFIC NOTES AND NEWS

DR. FREDERIC A. LUCAS, director of the American Museum of Natural History from 1911 until 1923 and since honorary director, died on January 9, at the age of seventy-six years.

THOMAS A. EDISON celebrated his eighty-second birthday on February 11 at Fort Myers, Florida. There were present Mr. and Mrs. Herbert Hoover, Mr. Henry Ford, Mr. Harry S. Firestone and other friends. In the evening Mr. Edison made a speech which was broadcast from twenty-four stations.

DR. WILLIAM H. WELCH will give the principal address at the fifty-third commemoration day exercises of the Johns Hopkins University on February 22.

THE non-resident lecturer in chemistry at Cornell University under the George Fisher Baker Foundation for the period from February 12 to June 1, 1929, is Dr. F. M. Jaeger, professor of chemistry in the University of Groningen, Holland. Professor Jaeger's introductory public lecture was delivered in the Baker laboratory on the evening of February 12 on: "The Present and Future State of Our Natural Resources." His regular lectures during the term will deal with two main topics: (1) "The Relations between Geo-

metrical and Some Physico-Chemical Properties of Atomic Systems" and (2) "Methods, Results and Problems of High-Temperature Precision Measurements."

PROFESSOR G. H. PARKER, director of the Harvard Zoological Laboratory, has been made a corresponding member of the Société de Biologie, Paris.

DR. W. J. HUMPHREYS, of the U. S. Weather Bureau, has been elected a corresponding member of the Meteorological Society of Hungary.

THE gold medal of the Royal Astronomical Society, London, has been awarded to Professor Ejnar Hertzsprung, of Leyden Observatory, for his work in stellar astronomy.

DR. BERNARD NOCHT, of the University of Hamburg, has been elected a corresponding member of the Royal Society of Medicine, London, in the section for tropical diseases.

THE Geological Society, London, has made annual awards as follows: The Wollaston medal to Professor F. J. Becke, of Vienna, in recognition of the value of his researches in petrology; the Murchison medal to Dr. C. A. Matley, in recognition of the value of his researches on stratigraphical geology in various parts of the British Empire; the Lyell medal to Dr. A. Morley Davies, in recognition of the value of his researches in invertebrate paleontology; the Bigsby medal to Professor P. G. H. Boswell, for his valuable researches in sedimentary petrology and stratigraphy; the Wollaston Donation Fund to Dr. R. Campbell, in recognition of the value of his researches in Scottish petrology and stratigraphy; the Murchison Geological Fund to Mr. L. R. Cox, for his valuable researches in invertebrate paleontology, especially in connection with the Lamellibranchiata; a Lyell Geological Fund to Mr. C. Edmonds, in recognition of the value of his researches on the Lower Carboniferous rocks of the Whitehaven district; a second Lyell Geological Fund to Dr. E. O. Teale, for his contributions to the geology of Victoria and of Africa.

DR. A. HOYT TAYLOR, chief of the United States Naval Radio Research Laboratory at Bellevue, D. C., was installed as president of the Institute of Radio Engineers on February 6 at the institute headquarters in the Engineering Societies Building, to succeed Dr. Ralph Bown. Alexander Meissner, head of the Telefunken Research Laboratory in Germany, is the new vice-president.

THE *Journal* of the American Medical Association reports that Dr. Sigismund S. Goldwater has announced his resignation as director of Mount Sinai Hospital, New York City. He will hereafter be

associated as consultant to the board of trustees. Dr. Goldwater will in the future give his professional attention exclusively to the planning of hospitals, an occupation which has absorbed the greater part of his time since he resigned as health commissioner of New York in 1915.

AFTER having been associated with the University of Melbourne for nearly twenty-three years, Professor R. J. A. Berry, dean of the faculty of medicine, has tendered his resignation of the chair of anatomy to the council, and in recognition of his valuable services has been granted six months' leave of absence, commencing in August, 1929.

O. E. KLINGAMAN, formerly director of university extension of the State University of Iowa, has been appointed assistant director of the Davenport Public Museum, the present name of the old Davenport Academy of Sciences. Edward K. Putnam, for many years acting director, becomes director.

DR. JAMES G. HORSEFALL, a graduate student at Cornell University, has been appointed associate in research in plant pathology at the New York State Agricultural Experiment Station at Geneva to make a special study of the diseases of canning crops.

PROFESSOR BRISTOW ADAMS, of Cornell University, was elected one of the directors of the Association of Agricultural Magazines at the national meeting held at the University of Wisconsin.

DR. FRANK E. LUTZ, curator of insect life at the American Museum, has been made a member of the committee on experimental animals and plants recently appointed by the National Research Council. The functions of the committee are to make arrangements for central supplies of animals and plants of known value in experimental biology and to test hitherto unused species of promise.

DR. C. HAMPSON JONES, health commissioner of Baltimore, has been elected director of the National Tuberculosis Association.

THE Phi Rho Sigma Medical Fraternity has granted from its research fund the sum of three hundred dollars to Carlos I. Reed, assistant professor of physiology at the Medical School of the University of Illinois, to aid in his study of the physiological effects of light.

DR. T. E. ODLAND, associate professor of agronomy at the West Virginia University and associate agronomist at the experiment station, has been appointed agronomist at the Rhode Island Agricultural Experiment Station. The former agronomist at Rhode Island was Dr. B. L. Hartwell, who resigned in September.

PROFESSOR A. RICHARDS, of the University of Oklahoma, has leave of absence to study at the Naples Zoological Station during the spring months. He will spend the summer in Austria and Germany, returning at the beginning of the next academic year. During his absence Dr. A. O. Weese will act as head of the department of zoology and director of the Biological Survey.

DR. D. C. CARPENTER, associate in research in chemistry at the New York State Agricultural Experiment Station at Geneva, has returned from a year's leave of absence on a fellowship from the International Education Board. Dr. Carpenter spent most of his time in the laboratory of Dr. Svedberg, of the University of Upsala, in the study of the casein molecule with the aid of the centrifuge built by Dr. Svedberg.

DR. AND MRS. N. L. BRITTON have left New York for Porto Rico to continue their studies of the flora of that island. By going earlier than usual they expected to be able to see something of the vegetation of the southern side of the island before the advent of the dry season.

DR. A. J. GROUT, bryologist, will be at the Biological Laboratory at Cold Spring Harbor this coming summer from June 29 to July 13 for work on the identification and ecological relations of the moss flora of the region.

DR. THEODOR REHBOCK, professor of hydraulics in the Technische Hochschule at Karlsruhe, an authority on river flow and river control, is expected in the United States, arriving on March 16. He will give a series of lectures at the Massachusetts Institute of Technology.

Two British expeditions are going to the east to observe the total eclipse of the sun on May 9. One headed by Dr. John Jackson, chief assistant at the Royal Observatory, will proceed to Alor Star in the Malay Peninsula. The second, led by Professor F. J. M. Stratton, of the University of Cambridge, will go to Pattani in southern Siam.

DR. WADE H. BROWN, member of the Rockefeller Institute for Medical Research, New York, will deliver the fifth Harvey Society Lecture at the New York Academy of Medicine, on February 21. His subject will be "Constitutional Variation and Susceptibility to Disease."

PROFESSOR W. B. SCOTT, head of the department of geology at Princeton University, lectured on February 4 before the section of geology and mineralogy of the New York Academy of Sciences on "The Former Land Connections of South America."

PROFESSOR WILDER D. BANCROFT, of Cornell University, addressed the technical section of the Canadian Pulp and Paper Association on January 25 at its annual conference at Montreal, Canada. His subject was "Science and Cellulose."

DR. LEONOR MICHAELIS, of the Johns Hopkins University, spoke on "Physiological Applications of Oxidation-Reduction Potentials" on February 7 at the American Museum of Natural History. An informal dinner was held before the lecture.

PROFESSOR HOWARD B. LEWIS, head of the department of biochemistry in the University of Michigan, has accepted the invitation of the biochemical society of Jefferson Medical College to be the next speaker in the series of physiological chemical lectures given each autumn. Former speakers in this series are: Drs. Gies, Columbia; Stockard, Cornell; Wells, Chicago; Shipley, the Johns Hopkins, and Sherwin, New York. Dr. Lewis's lecture will be the first given in the new college building now under construction.

DURING February and March members of the geological faculty of the State University of Iowa are giving a course of lectures at the Davenport Public Museum on the "Geological Past of Iowa," as follows: February 4, "The Ice Age and the Geology of Iowa," Dean George F. Kay; February 14, "The Ice Ages of Iowa," Dean Kay; March 4, "Life in the Past Ages of Iowa," Professor A. O. Thomas; March 18, "The Mississippi River," Professor Arthur Trowbridge. In connection with the lectures a special geological exhibit was arranged with the aid of C. H. Belanski, research assistant at the university.

DR. C. A. HEILAND, professor of geophysics at the Colorado School of Mines, Golden, Colorado, will give a series of lectures in geophysical prospecting at Columbia University. The courses will comprise torsion balance, magnetometer, seismograph and electrical prospecting, and will be given from the beginning of February up to the middle of March.

DR. S. A. GOUDSMIT, of the University of Leiden, lectured before the Franklin Institute on January 31 on "The Atomic Model in Modern Physics," and on February 7 Dr. Elmer O. Kraemer, of the E. I. du Pont de Nemours and Company, spoke on "Some Current Problems in Colloid Science."

A. W. BICKERTON, professor emeritus of astronomy at Canterbury College, University of New Zealand, died in London on January 31 at the age of eighty-seven years.

PROFESSOR RICHARD HENRY YAPP, Mason professor of botany in the University of Birmingham, died on January 22 at the age of fifty-seven years.

WALTER BURT ALCOCK, the mathematician, senior fellow of Emmanuel College, Cambridge, died on January 18 at the age of seventy-one years.

PROFESSOR SICARD, of the Paris faculty of medicine, died on January 28 at the age of fifty-five years. He had devoted most of his life to the study of nervous diseases.

THE death is announced of Dr. Piero Giacosa, occupant of the chair of pharmacology in the University of Turin.

DR. E. L. MARK, director of the Bermuda Biological Station for Research, writes that biologists with definite research problems can be accommodated for a moderate sum at the Bermuda Biological Station for Research during June and July this summer. Detailed information will be furnished on request. Applications should be sent to Professor Mark, at 109 Irving Street, Cambridge, Mass., on or before April 20.

THE committee on scientific research of the American Medical Association invites applications for grants for aid in research on problems bearing on clinical medicine. Inquiries may be addressed to the committee at 535 North Dearborn Street, Chicago. During 1928 this committee made twenty-two grants, the total amount granted being about \$12,000.

THE ninth summer term of the American School of Prehistoric Research, under the direction of Dr. George Grant MacCurdy, of Yale University, will open in London on July 1 and close on the continent early in September. The purpose of the school is to fit students to teach, to do field work and research in prehistory, and for museum positions. Undergraduates as well as graduate students and faculty members of universities and colleges are admitted.

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## UNIVERSITY AND EDUCATIONAL NOTES

THE University of Chicago announces recent gifts to a total of \$500,000 toward the support of the University Clinics over a five-year period beginning July 1, 1929. Of this amount \$125,000 each has been pledged by Max Epstein and Albert D. Lasker, and \$250,000 by the Julius Rosenwald Fund. The gift of the Julius Rosenwald Fund is conditioned upon the university's securing from local sources pledges amounting to \$250,000 in addition to the gifts now announced. Dr. Franklin C. McLean, professor of medicine at the university since 1923, has been appointed as director of University Clinics. As a part of the duties of this new position he will assist the president in the medical affairs of the university.