

which must be executed and returned, with a list of the applicant's technical publications and reprints of such of these publications as are available, in time to be on file in the office of the Civil Service Commission at Washington not later than April 5, 1927.

#### MEMORIAL MEETING FOR DR. CHARLES D. WALCOTT

At the memorial meeting for the late Dr. Charles D. Walcott, secretary of the Smithsonian Institution, held in the auditorium of the National Museum on February 10, the following resolutions were presented by the committee named by Acting Secretary Abbot, consisting of Dr. George P. Merrill, *chairman*, Dr. J. Walter Fewkes, Mr. James G. Traylor, and Mr. Webster P. True:

We of the Smithsonian Institution, its several branches and coordinate scientific institutions of Washington, have assembled here to-day to do honor to one of our number who achieved in scientific circles an exalted position attained by few. During the twenty years that Dr. Walcott so eminently served as secretary of the Smithsonian Institution; during the forty or more years of his life in Washington, he displayed to a degree that excited our greatest admiration a capacity for the dual duties of research and administration. Under his administration the institution has passed successfully through a trying period and is but now emerging upon what he firmly believed will prove the most useful and striking period of its existence. Meanwhile, in his studies of the geology and paleontology of the older rocks of the earth's crust he won world-wide recognition among scientific men and became the recipient of nearly every honor that can be bestowed, both in America and abroad. It is not necessary that his achievements and successes be dwelt upon in detail. He has gone from us.

*Be it therefore resolved*, that we here express our personal sense of loss in the death of a friend and leader who, through his unflinching courtesy and encouragement in our various lines of work, aroused our deepest respect and admiration. In the passing of Secretary Walcott the institution which he loved and served so well has suffered a severe blow and his friends and associates have lost an inspiring leader.

*Be it also resolved*, that we, Dr. Walcott's associates, extend to his family our deepest sympathy in their bereavement.

A number of Dr. Walcott's associates present at the meeting expressed their esteem and affection for him, and their admiration for his scientific work. Among these were Dr. Keith, Mr. Newell, Dr. David White, Dr. Abbot, Dr. Wetmore, Dr. Bassler and Mr. Victory.

#### SCIENTIFIC NOTES AND NEWS

PROFESSOR JAMES KENDALL, professor of chemistry in the Washington Square College of New York University, has been elected a fellow of the Royal Society.

DR. F. G. BANTING, professor of medical research in the University of Toronto, has been awarded the Cameron prize in recognition of his investigations on insulin and on the treatment of diabetes. This prize, which was founded in 1878, "may be awarded annually to a person who, in the course of the five years immediately preceding, has made a highly important and valuable addition to practical therapeutics."

DR. SIMON FLEXNER, director of the Rockefeller Institute for Medical Research, has been elected a member of the German Academy of Natural Sciences (Leopoldina) in Halle, Germany.

DR. JOHN M. T. FINNEY, professor of surgery, the Johns Hopkins University Medical School, Baltimore, who gave the annual Hunterian lecture in London, has been made an honorary fellow of the Hunterian Association and also of the Medical Society of London.

DR. AMEDEE GRANGER, professor of radiology in the graduate school of medicine at Tulane University, was awarded a gold medal by the Radiological Society of North America at its annual convention held in Milwaukee for his work on the sphenoid sinus.

THE Collingwood prize of the American Society of Civil Engineers has been awarded to Cecil Vivian von Abo, of Johannesburg, South Africa, for his paper on "Secondary Stresses in Bridges."

DR. ROBERT BARANY, professor of medicine at the University of Upsala, has received from the King of Sweden the Commander-Cross of the Order of the North Star.

SIR SIDNEY HARMER will retire, under the age clause, on March 9 from the directorship of the Natural History Museum, South Kensington, London.

THE seventieth birthday of Professor D. A. Low, emeritus professor of engineering at the University of London, was celebrated on February 9 by a dinner arranged by his old students.

DR. ALEXANDER ZIWET, professor emeritus of mathematics in the Engineering College at the University of Michigan, was honored recently by fellow members of the Apostles' Club on the occasion of his seventy-fourth birthday.

IN response to an invitation from the American Association for the Advancement of Science, the following have been appointed by their respective organizations to constitute a committee to promote research in American colleges: Vernon Kellogg, for the National Research Council; Charles R. Mann, for

the American Council on Education; Edward C. Armstrong, Princeton University, for the American Council of Learned Societies; Knight Dunlap, the Johns Hopkins University, for the Social Science Research Council, and Maynard M. Metcalf, the Johns Hopkins University, for the American Association for the Advancement of Science.

PROFESSOR HUGH S. TAYLOR, chairman of the department of chemistry at Princeton University, has been elected chairman of the central petroleum committee of the National Research Council. The duties of this committee are the allocation of fellowships for fundamental studies in petroleum, in cooperation with the American Petroleum Institute.

At the Philadelphia meeting of the Society for the Promotion of Engineering Education, Dean O. M. Leland, of the University of Minnesota, was elected president.

PROFESSOR A. F. ROGERS, of Stanford University, was elected president of the Mineralogical Society of America at the meeting held during the Christmas holidays at Madison, Wis.

DR. CARL J. WIGGERS, professor of physiology and Dr. Howard T. Karsner, professor of pathology, at Western Reserve University, were among those elected fellows of the American College of Physicians at the recent meeting in Cleveland.

DR. D. H. LINDER was recently appointed mycologist at the Missouri Botanical Garden, to fill the vacancy caused by the retirement of Dr. Edward A. Burt. Later Dr. Linder had the opportunity of joining an expedition to Africa under the auspices of the Harvard School of Tropical Medicine and was granted leave of absence for a year. Dr. L. O. Overholts, professor of botany at Pennsylvania State College, on leave of absence from that institution, was appointed mycologist for the year 1926-27.

THE U. S. Department of Commerce has announced the appointment of Frederick L. Washbourne, of New York City, to take charge of the organic chemical section of the Division of Chemistry, and Edmund C. Wood, also of New York City, to succeed George N. Priest in charge of the paint and naval stores section of the division.

DR. H. L. VAN VOLKENBERG, formerly connected with the U. S. D. A. Bureau of Biological Survey and the U. S. Bureau of Fisheries, has been appointed associate parasitologist at the Porto Rico Experiment Station.

E. W. GUERNSEY recently severed his connection with the Fixed Nitrogen Research Laboratory at Washington, and is now with the research depart-

ment of the Consolidated Gas, Electric Light and Power Company, Baltimore.

PROFESSOR C. T. BRUES, of the Bussey Institution, Harvard University, spent the early part of the winter at the Harvard Tropical Laboratory at Soledad, Cuba, investigating the insect fauna of the region. He was accompanied by Mrs. Brues, who made studies of the local grass flora.

DR. W. J. SPILLMAN, economist of the division of farm management and costs, U. S. Bureau of Agricultural Economics, left Washington on February 1 for the Lapwai Indian Agency in Idaho to begin a study of the agricultural problems of the Indians of the country for the Institute of Government Research, Washington, D. C.

WHILE abroad on leave during the present semester, Professor R. J. Roark, of the college of engineering at the University of Wisconsin, will study new methods of testing materials at the University of London, England.

DR. M. A. BARBER and Mr. W. Komp, of the U. S. Public Health Service, returned on February 2 to the Malaria Research Laboratory at Greenwood, Miss., after a malaria survey of 7,000 emigrants from Haiti to Cuba.

DR. IVAN PARLAPANOFF, chemist of the public health service of Bulgaria, is in the United States under the auspices of the Rockefeller Foundation and is spending some time in the food control and microchemical laboratories of the Bureau of Chemistry in Washington, studying the organization of food and drug control work in this country.

DR. FRITZ PANETH, professor of inorganic chemistry at the University of Berlin and non-resident lecturer at Cornell University during the first semester of the 1926-1927 academic year, is making a lecture tour of the East and Middle West, speaking in fifteen cities. His itinerary includes Rochester, Buffalo, Cleveland, Toledo, Detroit, Ann Arbor, Chicago, Madison, Minneapolis, Urbana, Washington, New York, Boston and New Haven. Professor Paneth addressed the scientific staff of the Rockefeller Institute for Medical Research on February 25 on "Radio Elements as Indicators."

DR. EDGAR L. COLLIS, professor of preventive medicine, University of Wales, Cardiff, Wales, will deliver a Hanna lecture on March 7 at the Medical Library Auditorium, Cleveland, on "Modern Industrialism and Its Effect on Distribution of Population." Dr. Collis will also deliver the fifth Harvey Society lecture, at the New York Academy of Medicine, on Saturday evening, March 19, at 8:30. His subject will be "Phthisis and Industrialism—Silicosis."

DR. DOUGLAS W. JOHNSON, professor of physiology in Columbia University, will give four lectures on the Richard B. Westbrook free lectureship at the Wagner Free Institute of Science, New York, on March 4, 5, 11 and 12. Dr. Johnson's subject will be "An Interpretation of Atlantic Coast Scenery."

DR. B. S. HOPKINS, professor of chemistry at the University of Illinois, addressed a public meeting held at the University of Pittsburgh under the auspices of the Sigma Xi Alumni Association on February 19. The address was preceded by an informal dinner to Dr. Hopkins.

DR. ELLIOTT C. CUTLER, professor of surgery in the school of medicine of Western Reserve University, delivered the McArthur Lecture of the Billings foundation before the Chicago Institute of Medicine on February 25, speaking on "Post-operative Abscess of the Lung."

DR. CHRISTINE LADD-FRANKLIN gave a lecture on "The Color Sensations" at Columbia University on February 18. She also exhibited her new collection of color-charts made by Ahmend at The Hague.

DR. GEORGE GRANT MACCURDY, of Yale University, director of the American School of Prehistoric Research, lectured before the Wyoming Historical and Geological Society of Wilkes-Barre, Pa., on February 4, his subject being "The Evolution and Character of Paleolithic Art."

ON February 16 Dr. Louis Kahlenberg, professor of chemistry at the University of Wisconsin, lectured at Notre Dame University, South Bend, Ind., "On the Separation of Crystalloids from one another by Dialysis." On the following day he addressed the chemists at Purdue University on the subject "New Contributions to the Chemistry of the Keratins."

ON February 12, Professor H. A. McTaggart, of the department of physics, in the University of Toronto, delivered an address to the Royal Canadian Institute, on the subject "The Measurement of Color." On February 19, D. Jenness, chief of the division of anthropology at the National Museum of Canada, Ottawa, delivered an address to the institute on the subject "Who are the Indians?"

SIR ERNEST RUTHERFORD gave the twelfth Guthrie lecture to the Physical Society of London on February 25, taking as his subject "Atomic Nuclei and their Transformations."

PROFESSOR HENRY E. ARMSTRONG will deliver the Horace Brown Memorial lecture of the Institute of Brewing in the lecture theater of the Institution of Electrical Engineers, London, on February 25. The Horace Brown Medal will be presented to Professor Armstrong during the course of the evening.

FREE public lectures have recently been given at the University of London as follows: "Allergic Diseases caused by Factors of Climate," by Professor W. Storm van Leeuwen, University of Leyden, on February 14, 15 and 16; "The Ostracoderms, their Organization and Relationships," by Professor E. A. Stensio, of the Royal State Museum of Natural History, Stockholm, on February 17, 18, 22 and 24.

DR. ROBERT WELLES FISHER, formerly professor of materia medica and pharmacology, University of Utah School of Medicine, died on January 16, aged sixty-four years.

THE death is announced of Dr. Hermann von Tappeiner, professor of pharmacology in the University of Munich, aged eighty years.

PROFESSOR C. GAGEL, formerly director of the Museum of the Prussian Geological Survey at Berlin, has died, aged sixty-two years.

PROFESSOR MARIO BEZZI, who was recently appointed professor of zoology in the Royal University of Turin, died on January 14.

THE American Institute of Chemists held its annual meeting in the Sterling chemistry laboratory at Yale University, under the presidency of Professor Treat B. Johnson, professor of organic chemistry at Yale University. The meeting included an evening session open to the public, at which Secretary of Agriculture W. H. Jardine spoke, and over which President James Rowland Angell, of Yale, presided. The scientific meeting was held from 2:00 to 5:00 P. M. in the large lecture hall of the Sterling chemistry laboratory. The program included a symposium on "Chemists' Contracts," which dealt primarily with the rights of the chemist and the manufacturer to discoveries made by the chemist while in the manufacturer's employ. The evening meeting was held in Woolsey Hall, at which Secretary Jardine spoke on "Agriculture and Modern Science." He described recent developments in chemistry, and their relation to agriculture, and the work being done in the Bureau of Chemistry, the Fixed Nitrogen Laboratory and the Bureau of Soils.

A SECOND international Conference on Bituminous Coal will be held at the Carnegie Institute of Technology in November, 1928.

ACCORDING to the *Journal* of the American Medical Association, the University of Arkansas inaugurated a weekly radio medical extension service, January 6, from Station KUOA. The first radio lecture was by Dr. Charles C. Bass, New Orleans, dean of Tulane University of Louisiana School of Medicine, on "Treatment of Malaria." Programs will be broadcast at 8 o'clock, Thursday evenings. Dr. William Engelbach was the speaker, January 13, on "Backward or

Defective Children, Physical and Mental, due to Disorders of the Ductless Glands"; Dr. Frank Smithies, Chicago, January 20, "Symptoms, Signs and Methods Available for Early Diagnosis of Alimentary Tract Cancer," and Dr. Frederick G. Banting, Toronto, Canada, January 27, "Some Aspects in the Management of Diabetes." Future lecturers in this service will be Drs. George Dock, Pasadena, Calif.; William J. Mayo, Rochester, Minn.; Francis M. Pottenger, Monrovia, Calif.; Nathaniel Allison, Boston, and Williams McKim Marriott, St. Louis.

THE second session of the Canadian School of Prehistory in France, organized by a committee of the Royal Society of Canada in 1925, is expected to open at Combe-Capelle on about June 15. Arrangements are in charge of M. Pierre Dupuy, 19 Boulevard des Capucines, Paris, and Mr. H. H. Ami, laboratory of geology and paleontology, Elgin Annex, Ottawa, Canada. The school is expected to carry on special excavations in the valley of the Touze River, Dordogne District, in the southwest of France, but will also devote some time in visiting the prehistoric sites, caves, rock shelters, etc., of the classic region about les Eyzies de Tayac.

Two different Scandinavian expeditions are planning to set out for the Kola Peninsula in the Arctic. This peninsula, about which very little is known, is joined to Finland on the west, and beyond, to the east, is Siberia. The first exploration party will leave early this summer to study the plant life of this northern region. This expedition will be directed by Dr. Bjorn Floderus, chief surgeon of the Crown Princess Louise Institute for Children in Stockholm. Dr. Floderus has conducted explorations in Greenland, northern Scandinavia and Nova Zembla and visited Kola in 1923. The second expedition is to be conducted by Fridtjof Nansen, well-known Arctic explorer. His party will not start until a year later, and will specialize in the population problems of Kola. The project has been granted aid by the Laura Spelman Rockefeller Memorial Fund, of New York.

AN anonymous gift of \$100,000 for the building of the new Neurological Institute in connection with the Medical Center at 165th Street and Broadway, New York City, has been announced; the estimated cost of the institute with equipment is \$1,400,000, and of this sum about \$800,000 had been pledged on February 9.

THROUGH the agency of Mrs. Stanley McCormick a fund has been established to support an investigation on the relation of endocrine factors to nervous functions. The work will be carried out under the

direction of Dr. R. G. Hoskins, in association with Dr. Milton O. Lee, at the Harvard Medical School and nearby psychiatric institutions.

DR. NOBLE WILEY JONES recently gave a cash gift of \$5,000 to the University of Oregon School of Medicine to endow a lectureship fund, the income from which will be used to bring lecturers to Portland.

GEORGE W. EASTMAN has established three fellowships for the psychology of music under the direction of Professor C. E. Seashore in the State University of Iowa.

THERE has recently been provided at Yale University facilities for work on shade tree diseases. This was made possible by the cooperation of the U. S. Office of Forest Pathology and the botanical department of Yale University, the F. A. Bartlett Tree Expert Company furnishing financial aid. Mr. R. P. Marshall, of the U. S. Office of Forest Pathology, has been placed in charge of the work, which will be under the general supervision of Dr. Haven Metcalf, of the U. S. Department of Agriculture; Professor Evans and Dr. Clinton, of Yale University; F. A. Bartlett, of Stanford University, with Dean Graves, of the Yale Forestry School, and others in an advisory capacity.

THE department of chemistry at the University of Illinois has received an appropriation of \$6,500 to be used in the construction of a laboratory for research on high pressure gas reactions. Approximately \$2,500 will be spent on the building and from \$4,000 to \$5,000 for equipment. The reactions studied are to be those between carbon monoxide and hydrogen, with the view to producing liquid products such as motor fuels.

THE herbarium of B. B. Smyth, at the time of his death in 1913 curator of the Goss collection at Topeka, Kans., consisting of approximately 7,000 sheets, has been recently donated by Mrs. Smyth to the herbarium of Kansas State Agricultural College.

E. BRUNETTI recently presented to the department of entomology of the British Museum of Natural History a collection of some 60,000 specimens of Diptera, especially rich in Indian and North American material. The collection is the result, in part, of the entomological collecting done by Mr. Brunetti during the last forty years. The same department has also received, under the terms of the will of the late Lieutenant-Colonel F. R. Winn Sampson, a collection of insects of the group Scolytidae (bark-beetles). The collection consists of some 11,000 insects and 1,400 microscopic preparations, and the bequest includes a selection of books and pamphlets and two microscopes.

DURING the past year the American Electroplaters' Society has been engaged in collecting from manufacturers funds to be used for cooperative researches on electroplating at the U. S. Bureau of Standards. Their goal is to obtain a fund of \$10,000 per year for three years, based on contributions of \$50 or more per year from each subscribing firm. To date about \$4,000 per year has been raised, and the campaign is being continued by their Research Committee, of which R. J. O'Connor, Bridgeport, Conn., is chairman. W. P. Barrows, formerly of the bureau staff, has been appointed as a research associate on this fund and is starting an investigation of the causes and prevention of "spotting out" of electroplated finishes.

THE North Carolina Senate passed a bill on February 17 providing for the issuance of \$2,000,000 of bonds for the purchase of land in the Great Smoky Mountains of western North Carolina for inclusion in a national park to be known as the Great Smoky National Park. The bill now goes to the House. The proposed park would lie in North Carolina and Tennessee and the two states would be required to furnish 428,000 acres of land before the U. S. Department of the Interior would take over the area for development of a park.

THE Arnold Arboretum of Harvard University has recently acquired as gifts to its library two rare volumes of unusual interest both for gardeners and horticulturists as well as for specialists in the earliest printed books. These are the first and second editions of a work called "Das Buch der Natur," by Conrad von Megenberg. The first edition of this rare volume, valued at \$4,000, was the gift of J. P. Morgan, who owns the only other copy known in the United States. The second edition, also printed by Baemler at Augsburg, in 1478, was the gift of Mrs. J. M. Sears, and is the only known copy in the United States.

### UNIVERSITY AND EDUCATIONAL NOTES

GIFTS aggregating \$1,600,000 for additional new buildings and equipment for the Case School of Applied Science at Cleveland were announced on February 25. Charles W. Bingham, of Cleveland, gave \$1,000,000; the alumni contributed \$500,000. Ambrose Swasey, of Cleveland, gave \$100,000 for equipment of the new mechanical laboratory.

PRESIDENT JAMES ROWLAND ANGELL has announced that pledges from 300 men totaling \$6,000,000 have already been made, two months in advance of the date set for the formal opening of the \$20,000,000 endowment campaign for Yale University.

PRESIDENT FRANK J. GOODNOW has announced that the Johns Hopkins University, after two years of

preparation, is now in a position to operate primarily as an institution for graduate study and scientific research, with 80 per cent. of the collegiate work concentrated in the first two years of a college sharply segregated from all graduate departments. It is planned that the collegiate work, even in its curtailed and segregated form, will be continued only temporarily.

ACCORDING to press reports, the terms of the will of the late Hill S. Warwick, of New Jersey, provide that his estate of \$100,000 is to go to the University of Pennsylvania upon the death or marriage of his sister. It is stipulated that the bequest be used in part for experiments upon the higher apes with a view to increasing knowledge of the cause, prevention and cure of disease.

THE Massachusetts Institute of Technology has been bequeathed the sum of \$25,000 by the will of the late Russell Robb, vice-president and treasurer of Stone and Webster.

DR. EDWARD WILLIAM ALTON OCHSNER, assistant professor of surgery in the University of Wisconsin Medical School, Madison, has been appointed professor of surgery at Tulane University of Louisiana School of Medicine, New Orleans, to succeed Dr. Rudolph Matas, who is retiring from active teaching.

DR. LEE TRAVIS, for three years National Research Council Fellow in psychology and psychiatry, has been appointed assistant professor of clinical psychology and psychologist to the Psychopathic Hospital in the State University of Iowa. His work will be devoted mainly toward the direction of research within the field of speech correction.

NATIONAL Research Fellows in the Medical Sciences have received appointments as follows: Dr. Roy G. Williams, instructor in anatomy at the University of Pennsylvania; Dr. Jeffries Wyman, Jr., instructor in the department of zoology at Harvard University.

PROFESSOR C. E. HORNE, formerly dean of the College of Agriculture at Mayaguez, Porto Rico, has been appointed professor of mathematics at the University of Porto Rico.

THE title of professor of psychology in the University of London has been conferred on Dr. Beatrice Edgell, in respect of the post held by her at Bedford College.

### DISCUSSION AND CORRESPONDENCE

#### SUMMER SCHOOL OF GEOLOGY AND NATURAL RESOURCES

DURING the past twenty years the increasing complexity of the university curriculum and the growing necessity for actual demonstration of principles,