

actor, a lover of music and the fine arts, a Scottish humorist and a conversationalist *summa cum laude*. Such a personality can not be defined or even known by any special learning; for research is simply one of his natural activities. We are happy to number him among the sons of Yale.

PRESIDENT ANGELL: In recognition of your striking accomplishments as an executive, your well-earned renown as an unofficial ambassador from Scotland to other lands less bonnie, including England, but primarily by reason of your brilliant and solid achievements as a chemist, Yale confers upon you the degree of doctor of science and admits you to all its rights and privileges.

*George Hoyt Whipple*

PROFESSOR PHELPS: Dr. Whipple was born in New Hampshire, took his B.A. at Yale in 1900, his doctor's degree at the Johns Hopkins Medical School and became a member of the faculty. Research professor in the University of California, his work attracted such attention that when the new medical school was established at Rochester he was called as director. He designed the buildings, selected the faculty and has brought the institution into deserved distinction. His own special field of research is pathological anatomy. His Puritan inheritance has been tempered by Baltimore, Charleston and California, so that he has lost its angularities without losing its grit.

PRESIDENT ANGELL: Because she wishes honorably to recognize your outstanding career in the field of your profession and to voice her confident expectation of further high service from you in your present responsible post, your alma mater confers upon you the degree of master of arts and admits you to all its rights and privileges.

*William Buckhout Greeley*

PROFESSOR PHELPS: A graduate of the University of California in 1901 and of the Yale School of Forestry in 1904, he is chief forester in the U. S. Forest Service. He was attached to the Corps of Engineers in the world war, serving in France two years. He was promoted to be lieutenant-colonel of the 20th Engineers and chief of the Forestry Section. He received the award of the Distinguished Service Medal of the U. S., the Legion of Honor of France and the Distinguished Service Order from Great Britain. His judgment of men is as good as his professional knowledge; it can never be said of him that he can not see the forest for the trees.

PRESIDENT ANGELL: Latest of the distinguished line of graduates of the Yale School of Forestry who have acted as chief forester of the United States, in recognition of your distinguished services to your profession and to your country, your alma mater desires to honor you by conferring upon you the degree of master of arts and admits you to all its rights and privileges.

## GRANTS FOR SCIENTIFIC RESEARCH OF THE AMERICAN MEDICAL ASSOCIATION

THE Committee on Scientific Research of the American Medical Association has made grants for research which include the following:

Dr. Victor C. Jacobsen, professor of pathology in Albany Medical College, to study the effects on living tissues of high voltage cathode rays. (\$1,200.)

Mr. Charles V. Green, of the Michigan State College of Agriculture and Applied Science, to study the inheritance of hemophilia and color blindness in man. Mr. Green will work under the immediate direction of Dr. Charles B. Davenport. (\$750.)

Dr. W. H. Manwaring, Stanford University, California, to continue work on the physiological relationship of anaphylaxis to immunity, studied by means of blood transfusions and organ transplantations. (\$500.)

Dr. Arthur M. Yudkin, assistant clinical professor of ophthalmology, to be used in the section of ophthalmology at Yale University to investigate the chemical and physical composition of the intra-ocular fluids in experimental animals and also the changes which may take place as a result of cataract formation produced experimentally. (\$500.)

Dr. O. Larsell, of the University of Oregon Medical School, to aid in his research on the hemopoietic effects of nuclear extractives. The fund will be applied toward determining which ingredients of the nuclear material are responsible for the stimulation of blood formation which has been observed in experimental and human anemias. (\$500.)

Dr. Harold Cummins, associate professor of anatomy to Tulane University, who will be a guest worker for a part of the summer in the Carnegie Laboratory of Embryology, to study with the aid of the extensive material assembled in this laboratory, the history of the contours of the fetal hand and foot, with particular reference to individual variation and the correlated development of skin patterns.

Dr. J. Earl Else, of the Else Dudman Nelson Clinic of Portland, Oregon, to study the reconstruction of the lower end of the esophagus.

Roy L. Moodie, of Santa Monica, California, to enable him to prepare for publication the illustrations for a discussion of surgery in pre-Columbian Peru.

## SCIENTIFIC NOTES AND NEWS

DR. VICTOR C. VAUGHAN, formerly dean of the Medical School of the University of Michigan, has been awarded the Kober Medal, given by the Association of American Physicians for distinguished work in preventive medicine and public health.

THE French Society of Electricians has presented its Mascart Medal to Sir Joseph Thomson.

DR. LUDWIG PRANDTL, director of the Kaiser Wil-

helm Institute for Aeronautical Research in Göttingen, was awarded a gold medal on the occasion of a lecture that he gave recently before the Royal Aeronautical Society of London.

M. PAUL HELBRONNER, known for his geodetic work in the French Alps, has been elected a member of the Paris Academy of Sciences, to fill the vacancy caused by the death of Haton de la Goupillière.

DR. GEORGE H. WHIPPLE, dean and professor of pathology, University of Rochester School of Medicine and Dentistry, was awarded the honorary degree of doctor of science by Colgate University at its recent commencement.

THE degree of doctor of science has been conferred by De Pauw University on Dr. William Albert Riley, head of the department of animal biology of the University of Minnesota.

OHIO WESLEYAN UNIVERSITY, at the recent commencement exercises, conferred the degree of doctor of science on Eugene Wesley Shaw, geologist for the Standard Oil Company of South America.

THE University of Leeds has conferred the honorary degree of doctor of science upon Dr. A. G. Perkin, professor emeritus.

THE following degrees will be conferred by Birmingham University: Dr. A. C. Seward, Downing professor of botany in the University of Cambridge; Dr. Arthur Lapworth, professor of chemistry, University of Manchester; Sir David Ferrier, emeritus professor of neuropathology, King's College, London; Sir Watson Cheyne, Bart., and Sir Walter Fletcher, secretary of the Medical Research Council.

THE list of honors conferred by the King of England on the occasion of his birthday on June 3, as given in *Nature*, includes the following names of men of science and others associated with scientific work: *Order of Merit*: The Honorable Sir Charles Parsons, in recognition of his eminent services in scientific research and its application to industries. *G.B.E. (Civil Division)*: Sir Frank Heath, until recently secretary to the Department of Scientific and Industrial Research, and Sir Richard Threlfall. *K.B.E. (Civil Division)*: Dr. C. E. Ashford, headmaster of the Royal Naval College, Dartmouth. *Knights*: Mr. W. G. Lobjoit, until recently controller of horticulture, Ministry of Agriculture, and Professor C. J. Martin, director of the Lister Institute, London. *C.M.G.*: Professor R. W. Chapman, professor of engineering in the University of Adelaide. *C.I.E.*: Mr. A. G. Edie, chief conservator of forests, Bombay. *C.B.E. (Civil Division)*: Mr. D. J. Davies, government analyst, Department of Public Works, Newfoundland.

*O.B.E. (Civil Division)*: Mr. G. W. Grabham, government geologist, Khartoum; Mr. T. F. Main, deputy-director of agriculture, Bombay, and Mr. V. E. Pullin, director of radiological research, War Office.

PROFESSOR WILLIAM A. WALDSCHMIDT, assistant professor of geology in the Colorado School of Mines, for the past five years, has resigned from the faculty in order to accept a position in the geology department of the Midwest Refining Company, Denver.

DR. MALCOLM H. BISSELL has resigned as associate professor of geology at Bryn Mawr College and will spend next year as an honorary fellow in geography at Clark University.

SIR HUMPHRY ROLLESTON, Bt., regius professor of physic, has been appointed to represent the University of Cambridge at the third Imperial Social Hygiene Congress at Westminster from October 3 to 7.

PROFESSOR FULLEBORN, of the Hamburg Institute for Tropical Diseases, has been invited by the Argentine government to visit South America to study hookworm disease.

THE Rawson-MacMillan expedition, being sent out by the Field Museum of Natural History, sailed from Wiscasset, Maine, on June 25, for Labrador and Baffin Land. This expedition is being financed by Frederick H. Rawson, of Chicago, and is led by Commander MacMillan. Among the members of the museum staff who sailed with the party are William D. Strong, Alfred C. Weed, Arthur G. Rueckert and Sharat K. Roy. The party will remain in the Arctic for fifteen months and will establish a shore station in the Eskimo village of Nain, Labrador.

ERICH F. SCHMIDT, assistant in archeology in the department of anthropology of the American Museum of Natural History, has joined the field party of the Oriental Research Institute of the University of Chicago, to assist in an archeological reconnaissance of Asia Minor.

DR. WALDEMAR JOCHELSON, who has been the guest of the American Museum of Natural History during his visit to America, is now preparing to return to Russia, where he has accepted a position as division curator of the Museum of Anthropology and Ethnography of the Academy of Sciences, Leningrad, and as lecturer on ethnology at the Leningrad University.

DR. CHARLES A. KOFOID, chairman of the department of zoology of the University of California, has left Berkeley to attend the international congresses on zoology and genetics in Europe, and to visit the leading scientific laboratories of Northern and Central

Europe. At the International Zoological Congress in Budapest, Hungary, which takes place in September, he will read a paper on "Human Intestinal Protozoa and their Relation to Diseases in Man." From that meeting Dr. Kofoed will go to the International Congress of Genetics in Berlin, Germany.

DR. ALFRED N. RICHARDS worked last year at the National Institute of Medical Research in London, having been granted leave of absence from the chair of pharmacology in the University of Pennsylvania Medical School.

THE non-resident lecturer in chemistry under the George Fisher Baker Foundation at Cornell University for the first term of the year 1927-1928, October 1, 1927, to February 1, 1928, will be Dr. Paul Walden, professor of chemistry and director of the chemical institute of the University of Rostock. While at Cornell, Professor Walden will lecture upon Non-Aqueous Solutions, Stereo-Chemical Problems and Optical Inversion, and will hold a weekly colloquium.

DR. ALFRED ADLER, Vienna, will give the introductory lecture at the fourth International Congress for Individual Psychology, which will take place in that city from September 17 to 19. The first session will be devoted to the subject of "The Prevention and Treatment of the Psychoses." Sunday will be devoted to the prevention and treatment of problem children and criminals, and Monday to lectures by prominent scientists of Vienna. The lectures will be in English, French or German.

SIR JOSEPH THOMSON, O.M., delivered the tenth Sylvanus Thompson memorial lecture before the Röntgen Society, London, on June 14, taking as his subject "The Structure of the Atom."

A BUST of Emil von Behring was recently unveiled in the hall of honor of the University of Mexico, of which he had been made a doctor *honoris causa* in 1910.

PINEL, the French specialist in mental diseases, died in 1826, and, on May 30, 1,277 scientists and physicians met at the Sorbonne to pay tribute to his memory. He was regarded as the first to treat insanity as a disease and apply humane methods of treatment.

AFTER the death of Sir William Macewen, professor of surgery in the University of Glasgow from 1892 to 1924, a committee was formed to promote a fund for the purpose of commemorating his life and work. The first purpose of the fund was to procure a bust for presentation to the university and a replica to Lady Macewen. The second purpose was the establishment of a Macewen Memorial Lecture, and the third the

foundation of a Macewen Medal in the Class of Surgery. We learn from the *British Medical Journal* that the busts have been presented to the university and to Lady Macewen and the medal has been founded and the first award made. The first memorial lecture was delivered by Professor Harvey Cushing, of Harvard University.

A BRONZE bust of the late Alexander Smith, for many years professor of inorganic chemistry at the University of Chicago, has been recently presented to the university by Mrs. Smith. *Industrial and Engineering Chemistry* states that as the late Professor Nef was the founder of the department of chemistry and as Professor Stieglitz shared equally with Professor Smith in assisting Professor Nef in the upbuilding of the department, it has seemed fitting that the university should also possess busts or paintings of Professors Nef and Stieglitz and a movement to provide funds for these has been started by a committee of graduates of the department. The busts or paintings of the three men will ultimately be placed in the library of the George Herbert Jones Laboratory, the new research chemistry building about to be erected. Contributions to the fund should be sent to Dr. J. W. E. Glattfeld, of the department of chemistry of the University of Chicago, who is treasurer of the committee.

DR. JOHN G. WILLIAMS, a specialist in roentgenology and a pioneer in Brooklyn in the development and use of deep X-ray therapy, died on July 2, aged fifty-four years.

*Nature* reports the death on May 30 at the age of ninety-five years of Surgeon-General Henry Cook, formerly dean of the faculty of medicine of the University of Bombay.

THE deaths are also announced of Dr. G. von Tschermak, emeritus professor of mineralogy and petrography in the University of Vienna, aged ninety-one years, and Dr. Anton Wassmuth, formerly professor of mathematical physics in the University of Graz, aged eighty-two years.

WE learn from *Nature* that Corpus Christi College, Cambridge, has celebrated the two hundred and fiftieth anniversary of the birth of the Reverend Stephen Hales, who was born in 1671, died in 1761, and was buried in the south transept of Westminster Abbey. For fifty years Hales was curate of Teddington, and it was there he wrote his "Vegetable Statics" of 1727. A fellow of the Royal Society and a foreign member of the Paris Academy of Sciences, Hales's scientific work took a practical turn, and he was instrumental in improving the ventilation of ships

and prisons, his work on which entitles him to be called a public health pioneer.

A MEETING was held recently in the American Museum of Natural History with the object of establishing in New York City an astronomical society for amateurs and was presided over by Dr. Clyde Fisher. Professor Henry Fairfield Osborn, president of the museum, made the welcoming address. Other speakers were Dr. Oswald Schloekow, district superintendent of public schools of New York City; Mr. John A. Kingsbury, secretary of the Milbank Memorial Fund, and Mr. George H. Sherwood, director of the museum. Of the audience present, 340 signed applications for membership. Dr. Fisher was elected temporary president.

THE Sigma Zeta chapter of Sigma Pi Sigma National Physics Fraternity was installed at William and Mary College, June 2, with seventeen charter members. Professor H. E. Fulcher, of Davidson College, Davidson, N. C., was in charge of the installation. A banquet was held after the installation and addresses were made by Dr. R. C. Young and others.

THE thirty-second annual conference of the Bunsen Society for Applied Physical Chemistry was held in Dresden, from May 26 to 29, under the presidency of Dr. Mittasch, of Ludwigshafen.

THE fifty-sixth annual meeting of the American Public Health Association will be held at Cincinnati from October 17 to 21, with headquarters at Hotel Gibson. In conjunction with it the Ohio Society of Sanitarians and the Ohio Health Commissioners will hold their annual meetings. Each of the nine sections of the association—laboratory, health officers, vital statistics, public health engineering, industrial hygiene, food and drugs, child hygiene, public health education and public health nursing—will hold individual section meetings. In some instances two or more sections will combine for joint meetings. The topic for discussion at the forum session is "Has Prohibition promoted the Public Health," Professor C.-E. A. Winslow, of Yale University, presiding. One session will be given to the discussion of mental hygiene from the angle of the home, the school and the industrial field. An analysis will be made by a special committee on the health programs in operation in normal schools and colleges and will be supplemented by constructive suggestions. Dr. Herman N. Bundesen, health commissioner of Chicago; Dr. William H. Park, of the New York City Health Department Laboratories; Dr. Clarence E. Smith, of the U. S. Public Health Service, and C. W. Larson, of the U. S. Department of Agriculture, are among the specialists asked to give the most recent developments in the sanitary production and handling of milk. Several luncheon and dinner meetings will be held by sections, in-

cluding laboratory, public health engineering, industrial hygiene, food and drugs and public health education. Besides a special session on venereal disease control, a round-table luncheon conference has been scheduled. Trips to points of interest in and around Cincinnati have been arranged by the local committee.

THE *Journal* of the American Medical Association reports that under the auspices of the Swiss Goiter Committee, an international conference on goiter will be held in the aula of the university buildings in Berne, Switzerland, on August 24, 25 and 26. The president of the conference, Dr. H. Carrière, will give the opening address on the general distribution of goiter, and among other speakers will be Professor L. Aschoff, Freiburg; Dr. David Marine, New York; Professor de Quervain, Berne; Dr. McCarrison, Cooroon, India; Professor Galli-Valerio, Lausanne, and Professor Wagner von Jauregg, Vienna. The assembly will be welcomed by the officials of the canton and the city of Berne. There will be a demonstration in the surgical clinic by Professor F. de Querin, on August 27, and in the afternoon a trip to the poor farm with a demonstration of cretins. The conference was first planned by the Swiss Goiter Committee in 1923, and had to be postponed until this year.

THE Department of Agriculture will participate in the Arkansas River Flood Conference on July 14 and 15, at Tulsa, Okla. E. A. Sherman, associate forester of the Forest Service; S. H. McCrory, of the division of agricultural engineering of the Bureau of Public Roads, and H. H. Bennett, of the Soil survey, of the Bureau of Chemistry and Soils, will represent the department in connection with phases of flood control which affect agricultural activities. At the conference, phases of flood control, particularly by means of reforestation, control of erosion by terracing, planting of cover crops, and by proper grazing, will be discussed.

THE U. S. Department of Agriculture announces that the new unit known as the Food, Drug and Insecticide Administration became effective on July 1; W. G. Campbell will be in charge. Congress created the Food, Drug and Insecticide Administration recently for the purpose of separating work involving scientific research from the work of law enforcement. The new arrangements involve no change in the policy of enforcement and other acts concerned. The laboratories of the Bureau of Chemistry that are now engaged on food and drug control work will operate under the new unit. Mr. Campbell was a lawyer before joining the department of agriculture about twenty years ago. P. B. Dunbar, Ph.D., the assistant chief of the new unit, entered the service of the Bu-

reau of Chemistry in 1907, and since 1925 has been assistant chief.

THE Accademia dei Lincei of Rome, founded in 1603, has received an annual donation of \$4,275 from the Rockefeller Institute for the purchase of scientific periodicals.

THE 250,000th Leitz Microscope has recently left the works. It has been a traditional policy to give each 50,000th microscope to an institution or individual responsible for the development of science. These microscopes, which represent milestones in progress, have been presented as follows: The microscope bearing serial No. 50,000 to the German Tuberculosis Sanatorium in Davos, Switzerland; the microscope No. 100,000 to Dr. Robert Koch, in Berlin; the microscope No. 150,000 to Dr. Paul Ehrlich, in Frankfurt; the microscope No. 200,000 to Dr. Martin Heidenhain, in Tübingen; the microscope No. 250,000 to the Institute for Tropical Hygiene, in Hamburg.

SURGEON-GENERAL HUGH S. CUMMING, U. S. Public Health Service, has arranged through the deputy minister of health of the Dominion of Canada for a board of officers of the public health service to visit Montreal to make an intensive survey of the typhoid situation in that city, and to secure the facts as to the source and extent of the outbreak. The board will secure such information as might be needed to enable it to submit recommendations to prevent the spread of typhoid from Montreal into the United States. The officers detailed on the board are Surgeons Leslie L. Lumsden, James P. Leake and Clifford E. Waller, and Sanitary Engineer H. R. Crohurst, all men of experience as sanitarians in the public health service.

THE work of the branch laboratory of the Bureau of Entomology, Department of Agriculture, at Tallulah, La., has been seriously hampered by the Mississippi flood, according to a statement issued by the department. The substance of the announcement follows: A report received from this station says, in effect: "We are very busy salvaging things. . . . Evidently our air field will be under water for a long time yet, possibly a month, but the water has fallen enough so that we are able to start moving out our dusting machinery. . . . All electrical equipment is, of course, ruined, but the remainder of the machinery has not rusted much. Delicate parts are ruined. . . . There are two areas near here which were not overflooded, owing to protection from small private levees, and we think we can soon get started in these areas on our important research work, especially the hopper. One stretch of deep water will probably have to be crossed by boat all summer. . . . All experiments south of Tallulah will have to be reached by boat for a long time, as the highway there is under ten feet of water in some places yet." Another laboratory of

the bureau, situated at Baton Rouge, La., is on high ground, not affected by the flood, and none of the experiments in progress there have suffered.

## UNIVERSITY AND EDUCATIONAL NOTES

THE cornerstone of the new teaching hospital of the University of Pennsylvania's Graduate School of Medicine, to be built at a cost of \$2,000,000, was laid on June 14. In conjunction with the remodeled Polyclinic Hospital buildings, the new plant will completely replace the former Medico-Chirurgical, Polyclinic and Diagnostic Hospital plants, which have become merged as parts of the Graduate School of Medicine.

THE Medical College of Virginia, Richmond, as a residuary legatee, will receive from the Martha Allen Wise estate approximately \$130,000 for the care and treatment of patients at the St. Philip Hospital, a large modern colored institution owned and operated by the college for teaching purposes.

THE Eli Lilly and Company of Indianapolis have recently given to the University of Kansas School of Medicine a research fellowship for the special study of hypertension, under the supervision of Dr. Ralph H. Major, head of the department of internal medicine. The fellowship amounts to \$1,800 a year and was recently given to Mrs. Vera Johnsmeyer Jones.

THE University of Edinburgh has received a gift of £40,000 from Mr. Thomas Cowan, a shipowner of Leith, to assist in furthering the success of the scheme for the establishment of a residential house for male students attending the Edinburgh University. Mr. Cowan's previous gifts to the university, amounting to £30,000, are being applied to provide a hall of residence for students, which is to be called Cowan House.

DR. G. CARL HUBER, dean of the Graduate School of the University of Michigan, has been appointed to succeed the late Dean Alfred H. Lloyd.

DR. ELMER A. HOLBROOK, for the past five years dean of the School of Mines and Metallurgy at the Pennsylvania State College, has resigned. Dean Holbrook is to become dean of the combined engineering and mining school at the University of Pittsburgh.

ROLLAND M. STEWART, professor of rural education, has been appointed director of the Agricultural Summer School of Cornell University, to take office after the close of the school this summer, which will be under the direction of Professor George A. Works, who will next year become dean of the Library School of the University of Chicago.

NEW appointments at the Medical College of Virginia, Richmond, include Dr. William B. Porter, professor of medicine; Dr. Sidney S. Negus, professor of