

In appreciation of their work the Board of Trustees of the university passed the following resolutions:

Of Dr. Upham: Devoted to the maintenance and up-building of high standards in medical education and practice, his constructive career has won local, state and nation-wide recognition, as attested by his appointment to the deanship, by his former presidency of the Columbus Academy of Medicine, the Ohio State Medical Association and the American Medical Association; by his presidency-elect of the Ohio Public Health Association, and by his service as a member of the Ohio State Medical Board and of the National Board of Medical Examiners.

Of Dr. Evans: Beloved by students through the years as a teacher, effective, sympathetic and of contagious enthusiasm, esteemed by his faculty colleagues as one indispensable to the life and work of the university. Pro-

fessor Evans likewise shares eminence with the most distinguished research chemists of the nation. Awarded the coveted Nichols Medal of the American Chemical Society in 1929, his intensive investigations, especially in the field of the carbohydrates, have won notable commendation. His present service in the presidency of the American Chemical Society attests to leadership in his profession and signalizes a career of unusual productivity.

Of Dr. Leighton: Schooled in the classics, religion and philosophy, Dr. Leighton has occupied no ivory tower of recondite reflection, but has concerned himself energetically with the problems of the social order—bringing to the study of these problems, as a lecturer and teacher widely sought and as a writer widely read, the rich resources of scholarly competence and of penetrating philosophical interpretation. Dr. Leighton is a past president of the American Philosophical Association.

SCIENTIFIC NOTES AND NEWS

DR. LUDVIG HEKTOEN, professor emeritus of pathology at the Rush Medical College and the University of Chicago, executive director of the National Advisory Cancer Council, received a citation on September 10 from the State Medical Society of Wisconsin during its annual session. This is the society's centennial award for distinguished service. The presentation was made at the annual banquet by Dr. Stephen E. Gavin, chairman of the council of the society. Dr. Hektoen was director of the John McCormick Institute for Infectious Diseases, Chicago, from 1901 to 1940.

HAVING reached the age of sixty-five years, Dr. Fred C. Koch, Frank P. Hixon distinguished service professor and chairman of the department of biochemistry of the University of Chicago, and Dr. Gilbert A. Bliss, Martin A. Ryerson distinguished service professor and chairman of the department of mathematics, retired with the title emeritus on October 1.

THE following have been appointed visiting professors at the School of Tropical Medicine at Puerto Rico: Colonel Alexander T. Cooper, U. S. A. Medical Corps, retired, military medicine; Dr. C. A. Wright, the U. S. Public Health Service, sanitary science; Dr. J. O. Dean, the U. S. Public Health Service, public health practice; Dr. David B. Dill, professor of industrial physiology, Harvard University, physiology; Dr. James A. Doull, professor of hygiene and public health, the Medical School of Western Reserve University, epidemiology; Dr. Thomas H. D. Griffiths, the U. S. Public Health Service, public health; Dr. William B. Porter, chief of medical service, the Medical College of Virginia, medicine, and Dr. William H. Taliaferro, dean of the division of the biological sciences, the University of Chicago, protozoology.

DR. WILLIAM CARSON VON GLAHN, associate professor of pathology at the College of Physicians and Surgeons of Columbia University, has been appointed professor of pathology at the College of Medicine of New York University, and has been made head of the department of pathology and laboratories at Bellevue Hospital. An agreement worked out between the city and New York University gives the university the privilege of nominating all members of the department of pathology of Bellevue Hospital and of the laboratory staff.

THE *Journal* of the American Medical Association states that Dr. Adolph Weinzirl, health officer of Portland, Ore., has been appointed director of the social hygiene fund and of a new department of public health at the Medical School of the University of Oregon, established recently by the will of the late Dr. Ellis C. Brown. Under its terms the director will spend a third of his time teaching in the university and the remainder in educational work throughout the state.

DR. FRANK D. BLOHM, of the Bangs Testing Laboratory of the Bureau of Animal Industry, has been appointed assistant professor of veterinary pathology at the Iowa State College.

GEORGE D. THORNTON, formerly assistant agronomist at the Georgia Agricultural Experiment Station, has been appointed assistant professor of soils and assistant soil microbiologist at the University of Florida. Dr. Lewis Rogers has returned to the university as associate soil biochemist after spending a year at Cornell University, where he completed the work for the doctorate in chemistry.

DR. LANCELOT HOGBEN, Regius professor of natural

history in the University of Aberdeen, has been appointed Mason professor of zoology in the University of Birmingham. He succeeds Professor H. Munro Fox.

THE Anheuser-Busch Company, St. Louis, has given to the College of Medicine of the University of Cincinnati a grant of \$30,000, in addition to \$15,000 previously given, for the promotion of research on the part played in human nutrition by the constituents of yeast. The work is carried on under the direction of Dr. Tom D. Spies, under the department of internal medicine.

AFTER more than forty-two years of service in the U. S. Department of Agriculture, Edgar Brown, principal botanist of the Bureau of Plant Industry, retired from active duty on September 30. He plans to continue his research as a collaborator.

At the opening exercises of the eighty-third academic year of the Long Island College of Medicine, the resignation for reasons of health of Dr. Frank L. Babbott, formerly professor of pediatrics, from the office of president was announced by Henry A. Ingraham, chairman of the Board of Trustees. Dr. Babbott has accepted one of the vice-chairmanships of the College Board of Trustees and the chairmanship of the Committee on Education. Dr. Jean A. Curran, dean of the college, will continue as acting president.

DR. EDWIN H. COLPITTS, until his retirement in 1937 as vice-president of the Bell Telephone Laboratories, has become director of the Engineering Foundation to succeed the late Dr. Otis Ellis Hovey. Established in 1914 by a gift of the late Dr. Ambrose Swasey, the purpose of the Engineering Foundation is "the furtherance of research in science and engineering and the advancement in any other manner of the profession of engineering and the good of mankind."

CHARLES B. HEMMING, for fifteen years research and development chemist with E. I. du Pont de Nemours and Company, has been appointed chief chemist of the United States Plywood Corporation. He will supervise the expansion and coordination of the company's research facilities in plants throughout the country.

RICHARD O. EDGERTON, research associate at the Massachusetts Institute of Technology, has become research chemist in the Ciné Processing Department of the Eastman Kodak Company, Rochester, N. Y.

ELMORE S. PETTYJOHN, associate professor of chemical engineering of the University of Michigan, has been granted leave of absence to answer a call to active sea duty in his capacity as Lieutenant-Commander in the United States Navy. Dr. Robley C. Williams,

assistant professor of astronomy, has leave for the first semester in order that he may join the research staff of the Department of Terrestrial Magnetism in Washington to work on a defense problem.

DR. JOHN H. YOE, professor of chemistry, University of Virginia, has been commissioned a colonel in the Tennessee National Guard and aide-de-camp on the governor's staff.

BRYANT MATHER, assistant curator of mineralogy at the Field Museum of Natural History, is on leave of absence on an emergency civilian appointment under the Corps of Engineers of the U. S. Army. He will work at the Concrete Laboratory, West Point, N. Y.

MISS ALICE L. DUSTAN, formerly assistant garden editor of *The New York Times*, has become station editor at the Agricultural Experiment Station at New Haven. She will take the place of Miss K. Palmer, who has held the post at New Haven for the past seven years.

THE Registry of Dental and Oral Pathology at the U. S. Army Medical Museum has formed a circulating committee of consultants to which the more interesting and difficult cases will be sent for an opinion. The following men have been asked, and have agreed to act as consultants: Kurt H. Thoma, Harvard University; Balint Orban, Chicago College of Dental Surgery; Lester R. Cahn, Columbia University, and Hamilton B. G. Robinson, Washington University, St. Louis.

DR. WILLIAM E. LADD, professor of surgery in the Harvard Medical School, delivered on October 3 the thirteenth annual Arthur Dean Bevan Lecture of the Chicago Surgical Society at the forty-first annual dinner of the society at the University Club of Chicago. His subject was "Children's Surgery and Its Relation to the Specialties." The William E. Ladd professorship of surgery was endowed this year by a group of friends in recognition of Professor Ladd's contributions to the field of surgery for children.

DR. WALTER P. KELLEY, head of the Division of Soils of the University of California, gave two lectures at the Iowa State College on September 29. He spoke on "Soil Colloids in Relation to Agriculture" and on "The Essential Nature of the Clay Minerals and Their Relation to Soils."

MEETINGS of the American Physical Society are scheduled as follows: December 19-20, Pacific Coast meeting, Stanford University, California; December 29-31, annual meeting, Princeton; February 20-21, Detroit; April, time and place to be designated; June, Pacific Coast, time and place to be designated, and June, State College, Pennsylvania.

THE New England Conference of the American

Association of Museums will meet at Newport, R. I., on October 16, 17 and 18.

THE first of a series of meetings sponsored during the 1941-42 academic year by the New York branch of the American Association of Scientific Workers will be devoted to the subject of "Science and Civil Liberties." The speakers will be Dr. William M. Malisoff, professor of biochemistry of the Brooklyn Polytechnic Institute, and Dr. Lewis Balamuth, instructor in physics at the College of the City of New York. The meeting will be held on October 15, at 8:15 P.M., in John Jay Hall, Columbia University.

THE School of Mathematics of the Institute for Advanced Study each year allocates a small number of stipends to gifted young mathematicians and mathematical physicists to enable them to study and to do research work at Princeton. Candidates must have given evidence of ability in research comparable at least with that expected for the degree of doctor of philosophy. Blanks for application may be obtained from the School of Mathematics of the Institute, Fuld Hall, Princeton, N. J., and are returnable by February 1, 1942.

APPLICATIONS for Benjamin Peirce instructorships at Harvard University for the academic year, 1942-43, should be sent to the chairman of the department of mathematics. Candidates should have received the Ph.D. degree or have had equivalent training.

IN accordance with a Basic Science Law passed by the Legislature of the State of New Mexico in April, 1941, the State Board of Examiners in the Basic Sciences has been established, with the following personnel: *President of the Board*, Dr. John D. Clark, professor of chemistry, University of New Mexico; *Vice-president*, Dr. Fred W. Allen, New Mexico Industrial School, Springer; *Members Secretary*, Pia Marie Joerger, Office of the Secretary of State, Santa Fe; L. M. Pearsall, an osteopathic practitioner, Albuquerque; Dr. P. L. Travers, a physician and surgeon, Santa Fe; Wm. K. Wootton, a chiropractic practitioner, Albuquerque. The newly established board is to give examinations in the basic sciences on October 12, 1941, at the University of New Mexico, and there-

after each second Monday in June and each first Monday in February.

ACCORDING to *The Experiment Station Record*, the Legislature has appropriated \$2,412,900 for the support of Kansas College and the four branch stations during the current biennium. In addition to lump sum appropriations for salaries and maintenance of instruction and research, \$120,000 is appropriated for the branch stations, \$53,000 for outlying experiment fields, \$10,000 for bindweed experimental work, \$30,000 for research work on diseases of livestock, \$15,000 for milling and baking research, \$30,000 for laboratory equipment, \$15,000 for the purchase and improvement of horticultural land, \$10,000 for repairs and improvements to the physical plant of the department of animal husbandry, \$50,000 for the construction of a small animal research laboratory, \$8,000 for the purchase of land at the Colby Substation and \$200,000 for extension work. Other new items include \$30,000 for three home management houses, \$19,500 as indemnity for the fire losses of March 15 and \$30,000 for a WPA project for a military science building to cost \$125,000. Other legislation affecting the institution included a quarter-mill tax levy which is expected to raise \$600,000 per year for a building program at the five state schools, specific allocations from this fund to be made by future legislatures; an act authorizing the state schools to construct student union buildings and dormitories under a plan for ultimate repayment from fees and operating revenues, and a civil-service law covering certain non-teaching, non-research and non-administrative positions in the state schools.

THE new ligature plant of the Johnson and Johnson Company in North Brunswick, N. J., was dedicated on September 25. The new building is air-conditioned. The exterior is of Vermont marble and stainless steel, relieved by a narrow strip of plate glass skirting the sides without the usual framing. Two thirds of the space is for the processing of ligatures and there is a second building within the main building to be used for the sterilization and hermetical sealing of the processed materials.

DISCUSSION

THE VERTICAL DISTRIBUTION OF HEAVY MINERALS IN VIRGIN AND CULTIVATED SOILS

THE primary soil minerals may be divided into two broad groups. The first includes the so-called light minerals (specific gravity < 2.680), chief among which are quartz, orthoclase, albite and oligoclase. The second group includes the so-called heavy min-

erals (specific gravity > 2.680) of which labradorite, anorthite, augite, hornblende, muscovite, biotite and apatite may be mentioned. Minerals in the first group usually weather more slowly than those in the second group.

It has been observed frequently that the content of heavy mineral in podzol and gray-brown podzolic forest soils increases with increasing depth below the