

the range of industrial films. At the last exposition two floors of the big building were occupied by 187 exhibitors. This year three floors, possibly more, will be occupied. Already the list of exhibitors contains 250 names of companies entering every field of industry.

SCIENTIFIC NOTES AND NEWS

SURGEON-GENERAL GORGAS, Dr. Franklin H. Martin, head of the Medical Bureau of the Council of National Defense, and their staffs, and a large number of army and reserve medical officers visited on August 12 the Rockefeller Institute for Medical Research, where they saw demonstrations of the medical and surgical practises which the institute has developed.

SURGEON-GENERAL GORGAS, of the army, reorganizing the Veterinary Corps, has selected the following veterinary surgeons as an advisory board: Dr. C. J. Marshall, Pennsylvania; Dr. David S. White, dean of the college of veterinary medicine, Ohio State University, Columbus; Dr. Louis A. Klein, dean of the school of veterinary medicine, University of Pennsylvania; Dr. V. A. Moore, dean of the New York state veterinary college, Cornell University, and Dr. John R. Mohler, assistant chief of the Bureau of Animal Industry, Washington.

A RESEARCH committee to cooperate with the National Research Council has been appointed at Brown University, including from the faculty Professors Carl Barus, Albert D. Mead, Roland G. D. Richardson, John E. Bucher and Frederic P. Gorham; from the university corporation, Chancellor Arnold B. Chace and Edwin Farnham Greene, treasurer of the Pacific Mills; from the alumni, J. B. F. Herreshoff, of the Nichols Chemical Company; Charles V. Chapin, M.D., of the Providence Board of Health; John C. Hebden, of the Federal Dye Stuffs Corporation, and Frank E. Winsor, of Providence. The committee will prepare a survey of research already in progress at Brown University, and assist in a national census of research work in the United States. It will endeavor to broaden the conception of scientific research,

to cooperate with industrial corporations, and to establish research fellowships so as to train promising young men and women for important positions in manufacture and in the government service.

PROFESSOR WILLIAM CAMPBELL, of Columbia University, New York, is serving as consulting metallographist at the New York navy yard.

DR. HARDEE CHAMBLISS, chemical director of the Commercial Acid Company of St. Louis, has been commissioned major in the ordnance section of the Officers' Reserve Corps.

THE British Fuel Research Board, with the sanction of the Committee of the Privy Council for Scientific and Industrial Research, has appointed a committee of inquiry into the utilization of Irish peat deposits. The following appointments have been made to the committee: Sir John Purser Griffith (chairman), Professor Hugh Ryan, Professor Sydney Young, Mr. George Fletcher and Professor Pierce Purcell (secretary).

It is stated in *Nature* that grants have been made out of the Dixon fund of the University of London for the year 1917-18 as follows: £25, Mr. Nilratan Dhar, for research on temperature coefficients of chemical reactions; £30, Mr. H. R. Nettleton, for researches on the measurement of the Thomson effect in wires; £20, Dr. D. Ellis, towards the cost of publication of a book on "Iron Bacteria"; £100, Mr. Birbal Sahni, to enable him to carry out botanical investigations at Cambridge.

THE Asiatic Society of Bengal has awarded the Barclay memorial medal to Col. H. H. Godwin-Austen, for his work in biology.

DR. EDWARD G. BIRGE has resigned as director of the state bacteriologic laboratory at Jacksonville, Fla., and has been succeeded by Dr. Burdett L. Arms, Montgomery, chief bacteriologist of the Alabama State Board of Health.

DR. EDWARD S. GODFREY, JR., has resigned as director of the Illinois Bureau of Communicable Diseases of the State Board of Health, to accept a position in the sanitary de-

partment of the New York State Department of Health. He has been assigned to the district comprising Albany and Rensselaer counties.

THE Ellen H. Richards Memorial Fellowship, offered jointly by the trustees of the Memorial Fund and the University of Chicago, has been awarded to Minna C. Denton, B.S. and A.M. (Michigan). Miss Denton's teaching experience at Milwaukee-Downer College, Lewis Institute and Ohio State University has been supplemented with recent work as fellow in physiology of the University of Chicago. She is at present at work on the alterations in nutritive value of vegetable foods due to boiling and canning. The fellowship carries a stipend of \$500 and tuition fees for the year 1917-18.

ASSISTANT PROFESSOR J. WENDELL BAILEY, of the General Science School of the Mississippi Agricultural and Mechanical College, has accepted an appointment with the U. S. Department of Agriculture, Bureau of Entomology, and is engaged in research work on insects affecting cereal and forage crops. He is now at Tempe, Arizona, in the irrigated section of the Salt River Valley.

DR. W. S. MILLER, professor of anatomy in the University of Wisconsin, recently delivered an address on "The architecture of the lung," before the faculty and students of the graduate summer quarter in medicine of the University of Illinois.

WE learn from the *Journal* of the American Medical Association that a large party of medical men and others who were delegates from the medical faculty of the University of Buenos Aires and other medical organizations of Argentina sailed to Rio de Janeiro recently to visit the profession at Rio. The party bore with them a large bronze tablet to be placed in the Bacteriologic Institute founded and directed by Oswaldo Cruz. It represents Argentine medical science, humanity and hygiene decorating with laurel the memorial inscription to the great hygienist who cleared Rio de Janeiro of yellow fever. The physi-

cians were welcomed by the authorities as guests of the nation during their stay. They also presented the Museum of Natural History with plaster casts of the five skulls on which F. Ameghino based his anthropologic theory of the fossil American man.

THE geology and paleontology committee of the National Research Council has passed the following resolution:

We desire to record our keen sense of loss in the death of our colleague, Dr. William Bullock Clark.

Since the organization of this committee, six months ago, Dr. Clark's extraordinary executive ability has been devoted without reserve to its aims, and the work which he organized, as chairman of the important subcommittee on roads and road materials, has proceeded with celerity and accuracy over the entire Atlantic seaboard from Maine to Florida.

He gave an invaluable service to his country with intense devotion, and we feel that he has made the supreme sacrifice.

THE death is announced at the age of seventy-four years of Robert Helmert, professor in the University of Berlin and director of the Geodetic Institute.

DR. THEODOR KOCHER, professor of surgery at the University of Berne, has died at the age of seventy-six years. Dr. Kocher was distinguished for his work on goiter and in other directions. The Nobel prize which he received in 1909 he gave to the University of Berne for medical research.

M. PAUL HARIOT, author of works on fungi and algae, and for many years in practical charge of the collections of the lower plants at the Muséum d'Histoire Naturelle of Paris, died on July 5, from diabetic complications. The broad-minded liberality and tireless patience with which M. Hariot always placed the treasures of his department of the museum at the service of the scientific men of the world will long be held in grateful remembrance by a considerable number of American botanists.

PROFESSOR J. H. BARNES, agricultural chemist to the government of India, and late principal of the Government College of Agriculture, Lyallpur, Punjab, died in India on June 2.

MR. STANLEY BALDWIN has stated in the House of Commons that the question of the suspension of the issue of the *Kew Bulletin* had been considered by the Select Committee on Publications and Debates' Reports, and that it was decided to recommend that the *Bulletin* should be continued, but with due regard to economy. Certain classes of information, though doubtless of scientific interest, can, it is thought, be postponed without detriment to the welfare of the state.

UNIVERSITY AND EDUCATIONAL NEWS

ACCORDING to the *Experiment Station Record* appropriations made by the state legislature for the South Dakota College and Station include \$80,000 for an armory, \$100,000 for the completion of Agricultural Hall, \$10,000 for a health laboratory, \$10,000 for the manufacture of hog cholera serum, \$20,000 for a fireproof stock judging pavilion, \$3,000 for a poultry department, \$10,000 for the purchase of pure bred live stock, and \$5,000 for feeding experiments with live stock. This is the first appropriation made by the state for experimental work.

PROFESSOR E. V. McCOLLUM has resigned his position as professor of agricultural chemistry at the University of Wisconsin, to take charge of the department of chemistry of the new school of hygiene and public health, which the Rockefeller Foundation has established in connection with the medical school of the Johns Hopkins University.

PROFESSOR FRANK C. BECHT, assistant professor of pharmacology in the University of Chicago, has been appointed professor and head of the department of pharmacology in Northwestern University Medical School, succeeding Professor Hugh McGuigan, who has become professor of pharmacology in the University of Illinois.

DR. A. E. LAMBERT has been appointed professor of histology and embryology in the college of medicine of the University of Vermont. Dr. M. W. Hunter, instructor in medicine, has resigned and Dr. Fred E. Clark, assistant pro-

fessor of pathology, has received a year's leave of absence.

PROFESSOR H. HALPERIN, of Vanderbilt University, has been appointed assistant professor of mathematics at the University of Arkansas.

DR. PERCY KENDALL HOLMES, of the University of Cincinnati, has been appointed director of physical education in Ohio Wesleyan University.

MR. G. GERALD STONEY has been appointed professor of mechanical engineering in the Manchester School of Technology.

M. LUCIEN POINCARÉ, director of higher education in France, has been appointed vice-rector of the University of Paris, in succession to M. Liard.

M. MOUREU, member of the French Institute, professor in the school of pharmacy and director of the editorial board of the *Revue Scientifique*, has been appointed professor of organic chemistry in the Collège de France.

DISCUSSION AND CORRESPONDENCE THE COST OF ROAST PIG

CHARLES LAMB, in his "Dissertation on Roast Pig" relates that, according to an ancient manuscript, the hut of a Chinese swineherd taking fire, a litter of newly farrowed pigs perished in the conflagration. Seeking to find if life remained in any of them, the swineherd burned his fingers on the hot body of a pig. To alleviate the pain he naturally put his fingers into his mouth and so discovered the delicious flavor of roast pig. The taste spread rapidly and shortly all China was ablaze with burning pig pens sacrificed for the sake of producing the new delicacy.

In the food crisis with which the world is apparently confronted, roast pig may stand for the supply of animal products in general, and our methods for producing them hitherto have not been altogether unlike that for roasting pigs attributed to the Chinese. At this juncture, it seems pertinent to inquire whether our practises in this respect do not need to be modified so as to contribute more effectively to the feeding of the nations.