

front. Not only are these examinations expected to weed out those whose nervous systems are broken down, and the feeble-minded or imbecile, but they will hinder the draft evaders from feigning nervousness or mental sickness. Not only will these expert neurologists and psychopathologists examine the men at the cantonments, but they will go to the front with the men and establish base hospitals adjacent to the orthopaedic base hospitals.

Ten of the leading psychopathologists of the country have been selected for the starting of this branch of service. They are Dr. E. E. Southard, director of the psychopathic hospital of Boston; Dr. Robert M. Yerkes, professor of comparative psychology at Harvard University; Dr. August Hoch, director of the psychiatric institute, New York City; Dr. Adolf Meyer, director of the Phipps Psychiatric Institute, Baltimore; Dr. Albert M. Barrett, director of the State Psychopathic Hospital, Ann Arbor, Mich.; Dr. William A. White, superintendent of the Government Hospital for the Insane, Washington, D. C.; Dr. William E. Fernald, superintendent of the State School for the Feeble Minded at Waverley, Mass.; Dr. Thomas W. Salmon, medical director of the National Committee for Mental Hygiene of New York City, who has gone to England for observation; Dr. Joseph P. Collins, of the New York Neurological Institute, New York City, and Dr. T. H. Weisenburg, president of the American Neurological Association of Philadelphia.

There are five clinics where leading specialists and doctors are preparing for the work. They have been assigned by the government for special teaching in neurology and psychiatry for commissioned men in the Medical Reserve Corps. The courses of six weeks' duration, the first course just being completed, are being given at the following clinics: The Psychopathic Hospital, Boston; Phipps Psychiatric Clinic, Baltimore; State Psychopathic Hospital, Ann Arbor, Mich.; the Neurological Institute, New York City, and the Psychiatric Institute, Ward's Island, New York.

THIRD NATIONAL EXPOSITION OF CHEMICAL INDUSTRIES

THE third national exhibition of chemical industries will be held in the Grand Central Palace, New York City, during the week of September 24. Many of the exhibits will have to do with the uses of chemistry in the making of war materials, and there will be a special section devoted to the South which will be known as the Southern Opportunity Section. Dr. Charles H. Herty, chairman of the advisory committee of the exposition, will deliver the opening address on Monday, September 24, at two o'clock. Professor Julius Stieglitz, president of the American Chemical Society; Dr. Colin G. Fink, president of the American Electro-Chemical Society, and Dr. G. W. Thompson, president of the American Institute of Chemical Engineers, will speak before different sections of the convention. Other speakers on the program include W. S. Kies, vice-president of the National City Bank, who will talk upon "The Development of Export Trade with South America"; Professor Marston Taylor Bogert, chairman of the chemistry committee of the National Council, whose subject will be "The operation and work of the National Research Council for the national weal," and Dr. L. H. Baekeland, of the Naval Consulting Board, on "The future of the American chemical industry."

One day will be devoted to a symposium upon the national resources as opportunities for chemical industries, and among the speakers will be: Mr. C. H. Crawford, assistant to president of Nashville, Chattanooga & St. Louis Ry.; Mr. V. V. Kelsey, chemist-industrial agent, Carolina, Clinchfield & Ohio Ry.; Dr. E. A. Schubert, mineralogist-geologist, Norfolk & Western Railway; Dr. T. P. Maynard, mineralogist-geologist, Central of Georgia Ry. and Atlantic Coast Line Ry.; Dr. J. H. Watkins, geologist, Southern Railway.

The motion-picture program will be one of wide interest. The American Cyanamid Company and General Electric Company have already arranged to supply their films. The Bureau of Commercial Economics at Washington will supply many toward completing

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-