

ommended are in operation or until further need arises.

9. While the preceding recommendations include all the measures that can now judiciously be taken for the fixation of nitrogen and the oxidation of ammonia, it is the opinion of the committee that the immediate accumulation and the permanent maintenance of an ample reserve, not less than 500,000 tons of Chile saltpeter, is the measure most urgently necessary.

The Nitrate Supply Committee comprised the following Army and Navy officers, scientific men and engineers:

Brig. Gen. William Crozier, Chief of Ordnance, War Department; Rear Admiral Ralph Earle, Chief of the Bureau of Ordnance, Navy Department; Brig. Gen. William M. Black, Chief of Engineers U. S. A.; F. W. Brown, Bureau of Soils, Department of Agriculture; Leo H. Baekeland, Yonkers, N. Y.; Gano Dunn, New York City; Charles H. Herty, New York City; William F. Hillebrand, Bureau of Standards, Department of Commerce; Arthur A. Noyes, Institute of Technology, Boston, Mass.; Charles L. Parsons, Bureau of Mines, Interior Department; and Willis R. Whitney, Schenectady, N. Y.

THE ARMY AVIATION SCHOOL AT THE UNIVERSITY OF CALIFORNIA

IN the United States Army School of Military Aeronautics at the University of California the following appointments have been made:

Major Arnold N. Krogstad, J.M.A., Signal Corps, commandant, quartermaster, ordnance officer, summary court, president of examining board.

Dr. B. M. Woods, president of academic board.

First Lieutenant Bruno F. Sandow, Medical Reserve Corps, post surgeon, member of examining board.

First Lieutenant Gerald F. Stoodly, Dental Reserve Corps, dental surgeon.

M. S. E. Herman H. Walker, Signal Corps, retired, clerk, commandant's office.

M. S. E. Milton N. Williams, Signal Corps, retired, acting quartermaster sergeant.

Private Joseph L. Walker, A.S., Signal Corps, assistant instructor in rigging.

Professor B. F. Raber, associate professor of

mechanical engineering and professor of aeronautical engines.

D. J. Conant, professor of aeronautical engines.

Donald B. McFarlane, instructor in gas-engine practise.

F. H. Bachman, instructor in internal-combustion engines.

Collier Raber, mechanic and tool-room keeper.

J. A. Polhemus, instructor in theoretical mechanics.

H. M. Jeffers, instructor in astronomy and meteorology.

W. D. Waterman, instructor in rigging, structure and care of aeroplane.

R. J. Heffner, instructor in maps and reconnaissance.

E. N. D'Oyly, instructor in artillery observation and use of miniature artillery range.

Dr. L. T. Jones, instructor in physics and professor of machine guns.

F. S. Stockton, G. R. McDonald and Herbert G. Russell, instructors in machine guns.

R. B. McPherson, instructor in wireless and signaling.

Harold Fielder, instructor in wireless.

E. S. Pillsbury and E. F. Steen, instructors in military tactics and lecturers.

Clifton R. Gordon, J. C. Moses and G. G. Mitchell, instructors in military tactics.

F. W. Cozens, instructor in physical education.

Grandison Gardner, instructor.

APPOINTMENTS IN THE ORDNANCE DEPARTMENT OF THE ARMY

THE United States Civil Service Commission announces the following open competitive examinations for positions in the several ordnance establishments of the War Department or in or under the office of the Chief of Ordnance, War Department, Washington, D. C. The salaries named are for entrance.

Mechanical engineer, artillery ammunition, \$3,000 to \$3,600 a year.

Mechanical engineer, experimental work, \$2,500 to \$3,000 a year.

Mechanical draftsman, \$1,000 to \$1,400 a year.

Apprentice draftsman, \$480 a year.

Inspector of artillery ammunition, \$1,500 to \$2,400 a year.

Inspector of field artillery ammunition steel, \$1,500 to \$2,400 a year.

Assistant inspector of field artillery ammunition steel, \$3.50 to \$5 a day.