

a voluntary basis, limited by the quotas fixed for the university by the War and Navy Departments. The Naval R.O.T.C. unit, which is starting its third year, has a quota of 250 students, while the Army R.O.T.C., which has been in existence since 1919, can accept 1,100 for basic training and 370 for advanced training.

Instruction provided by the two programs is designed to promote qualities of leadership as well as to impart essential information in regard to military and naval affairs. Both units are an integral part of the university, and academic credit is given to students taking the work. The Navy and Army officers assigned to duty at the university are listed as members of the faculty.

The Naval R.O.T.C. unit, known as the department of naval science and tactics, is under the direction of Captain R. E. Cassidy. Freshmen are admitted only at the start of the fall term in October. A physical examination, similar to that given at the Annapolis Naval Academy, must be passed. A general intelligence test also is given to aid the Naval R.O.T.C. officers in selecting the most promising freshmen from those who make application for admittance. Qualities of character, scholastic standing, age, potential qualities of aptitude, force, honesty, integrity, leadership and loyalty also are considered.

The course of training given by the Naval R.O.T.C. provides the student with a knowledge of seamanship, ordnance, gunnery, engineering, electricity, communications, military law and navigation. Uniforms are provided by the Government and certain compensation is paid to students during the last two years of the course. Enlistment in a special section of the Navy's V-1 program brings exemption from selective service for members of the Naval R.O.T.C.

Successful completion of a four-year course and one sea cruise of approximately four weeks on a naval vessel will qualify the student for a commission as ensign, United States Naval Reserve, or as second lieutenant, United States Marine Corps, provided he also receives a degree from the university.

The Army R.O.T.C., known as the Department of Military Science and Tactics, is under the direction of Colonel W. A. Ganoë. Any physically fit student is eligible to enroll for a basic period of training, covering four terms. An advanced course of training, covering another four terms of work, is limited to the most promising students who successfully complete the basic training. Enrolments in the basic course are accepted at the beginning of any regular term. The Government bears all the expense of uniforms and pays the students who qualify for the advanced course approximately \$200. Training is provided in infantry, ordnance departments, signal corps, corps of engineers, medical corps and quartermaster corps,

with students receiving instruction appropriate to the unit in which they specialize.

Members of the advanced course of Army R.O.T.C. are exempt from selective service. Students taking the basic training may join the Army Enlisted Reserve Corps and thus be permitted to continue the joint project of completing their education and seeking a commission in the Army.

Successful completion of both the basic and advanced training plus a tour of duty at one of the Army's service schools qualifies the student for a commission as a second lieutenant in the Officer Reserve Corps.

CIVIL SERVICE EXAMINATIONS FOR JUNIOR METALLURGISTS

THE U. S. Civil Service Commission has issued the following statement:

Increasing numbers of scientifically and technically trained men and women will be required for the war effort this year and next. Junior metallurgists are urgently needed to conduct investigative, developmental or production work in various branches of metallurgy; to assist in the design, construction, installation and operation of metallurgical equipment; or to perform metallurgical work in the recovery or fabrication of metals.

The U. S. Civil Service Commission is recruiting junior metallurgists under a new announcement (No. 254) for which the qualifications are: (1) completion of a four-year college course in metallurgy or metallurgical engineering or (2) completion of a 4-year course in chemistry, geology, physics or engineering, supplemented by (a) one year of paid experience in metallurgy (college teaching in metallurgy is acceptable) or (b) 15 semester hours in metallurgy or metallurgical engineering or (c) completion of two War Training Courses in metallurgy.

There is provision for the acceptance of applications from college senior or graduate students who expect to complete the required courses within six months after filing applications.

In addition to the positions which pay \$2,000 a year, there are a large number of vacancies in sub-professional positions at \$1,800 and \$1,620 a year. Applications will be accepted until the needs of the service have been met. There is no maximum age limit. No written test is required. Persons rated eligible as junior metallurgists under examination announcement No. 210 need not apply under the new announcement. Consult announcement No. 238 for information on higher grade positions.

Announcements and application forms may be obtained at any first- or second-class post office or from the Civil Service Commission, Washington, D. C.

COMMITTEE ON THE LOCATION OF NEW AND RARE INSTRUMENTS

REQUESTS have been received by the Committee on the Location of New and Rare Instruments for instruments from research workers who urgently need them.