

ENGINEERS FOR THE WAR PROGRAM

EDITOR'S NOTE: Only part of this release pertains to photogrammetrists. Since the American Society of Photogrammetry is anxious to be of aid to our government in any way possible, all of the release is hereby published in the hope that if those reading it are not qualified for any of the positions listed, they might know of someone who is and will notify them.

HOW many civilian workers does it take to keep a soldier in the army? The estimates vary. Engineers are among the most important of our civilian workers supporting our "armed forces." Whatever the ratio between the armed and civilian forces, the expanding war program is constantly demanding a new "high" in the estimates for engineers needed in defense agencies and industries.

The Civil Service Commission, recruiting for the Federal civil service, is accepting applications for all grades and branches of engineering. Engineer examinations, some recently consolidated and modified, are listed below. None requires a written test. For the Junior grades, \$2,000 a year, applicants are rated on their engineering education; no experience is required:

Junior engineer, aeronautical, naval architecture and marine engineering, Announcement 122. The usual college engineering course must include work in the optional branch chosen unless the applicant has taken an appropriate defense training course, or has had prescribed experience in the branch chosen. Age limit—40 years.

Junior engineer, all other branches of engineering, Announcement 172. A new feature is that certain college courses (other than the usual engineering courses) may also be accepted if supplemented by appropriate engineering defense training courses. Previous Announcement 51 admitted senior college students who will complete prescribed courses by June 30, 1942. The new examination also admits those who will complete such courses by June 30, 1943. Age limit—35 years.

In the upper grades, applicants are rated on education, experience, and record of accomplishments. In all but the chemical engineer examination, professional engineering experience may be substituted for the college work:

Chemical engineer, \$2,600, to \$5,600, Announcement 163. There is a shortage of engineers experienced in specialized branches of plant layout, equipment design, market analysis, chemical economics, heavy chemicals, plastics, rubber, agricultural by-products, and strategic minerals.

Naval architect, Announcement 98; marine engineer, Announcement 99; \$2,600 to \$5,600 a year.

Engineer (all other branches) \$2,600 to \$5,600 a year, Announcement 173. Especially needed, particularly in the associate and assistant grades, are engineers experienced in the following fields: Aeronautical, Electrical, Radio, Telephone, Mechanical (particularly machine design and development), Heating and Ventilating, Industrial, Sanitary, Hydroelectric, Irrigation, Construction-Estimating, Structural, Explosives, Plumbing, Public Health, Welding, Hydraulic.

For all upper grades the age limit is 60 years except that for the highest three grades of marine engineering and naval architecture—\$3,800 to \$5,600 a year—the age limit is 70 years.

Age limits do not apply to veterans granted military preference, up to the retirement age. Nonveterans over the age limit will not be eligible for permanent appointment, but they may apply, and, if they meet all but the age requirements, may be listed for defense needs not met through normal means.

There are also opportunities in the subprofessional and lower grades:

Technical assistant (engineering) \$1,800 a year, Announcement 177. Three

years of a 4-year college course must be shown including work in mathematics, physics, and allied engineering subjects. Appropriate engineering defense training courses will satisfy a part of the requirements. The age limit is 53 years.

Engineering aid, photogrammetric and topographic options, \$1,440 to \$2,600 a year, Announcement 206 This examination has just been reissued to add the *junior* engineering aid position paying \$1,440 a year, and to modify the requirements in order to attract additional applicants needed in connection with the national defense mapping program recently set up in the War Department. Appropriate civil engineering experience, partly in the optional branch chosen, and high school education (or additional engineering experience), are required. Provision is made for the substitution of appropriate college study or defense training courses, or study in a resident night school or technical institute, for the engineering experience. No substitution will be allowed, however, for the specialized experience or training in photogrammetry or topography. Age limit—53 years.

Other opportunities for engineers are offered by the following examinations:

Galley designer and kitchen layout specialist, \$3,200 to \$4,600, a year, Announcement 190, to fill positions in connection with the development and preparation of design and layout of galleys and pantry equipment on all types of vessels, and kitchens and cafeteria spaces and equipment suited to all types of buildings. A bachelor's degree in engineering or architecture is required plus pertinent professional experience. Age limit—60 years.

Engineering draftsman, junior to chief grades, \$1,440 to \$2,600 a year, Announcement 174. This examination supersedes a number of others and includes 20 different optional branches. Engineering education is one of the alternative or substituted requirements. Age limit—55 years.

Applications for all these positions are being accepted for several months or until further notice. Qualified engineers are urged, however, to apply at once, unless they have already applied in a recent examination and are eligible, for the position desired. Full information is given in the announcements which may be obtained with the proper application forms, at any first- or second-class post office or from the U. S. Civil Service Commission, Washington, D. C.

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