

high school student to specialization.

Vocational and technical schools and many general secondary schools will offer pre-induction training on a third-level of specialization, with courses designed to furnish considerable degree of *operational skill*. Though there are many courses of this type which might be developed, the following make a maximum contribution to Army needs at the present time: Radio Code Practice and Touch Typing and Radio Maintenance and Repair.

A careful and analytical study of the technical and field manuals used by the Army in its post-induction training reveals unmistakably that clear understandings are essential for the development of the needed skills. Without such

understandings, development of the skills is difficult and sometimes impossible. Again and again the Army devotes many hours of valuable time to a kind of teaching which could have been done before the inductee came to the Army.

There are two main divisions of these training courses for future soldiers. One is for young men now in schools. But, all the graduates of all our high schools last June would not be sufficient to meet a two-months' requirement of our induction centers. So the bulk of the trainees will be older men.

Hence, the job in the schools is to take the raw material of good American bone and sinew and brains, and convert it without a waste motion or a waste minute into the kind of men we need.

Science News Letter, November 14, 1942

RADIO

Radio Jobs for Women

► WAACs WILL be trained to replace enlisted men in the Army Air Forces as radio operators and radio mechanics in a course given under the direction of the U. S. Army Signal Corps.

The first group will begin training on November 30. Three other groups are now scheduled to take the training, beginning at intervals of about one month.

Girls selected to go to Kansas City, Mo., for the radio training will be picked from the ranks of the WAACs during their basic training. Requirements are that they must have high school education, including physics. They must be mechanically inclined and must pass the Signal Corps aptitude test, which measures the speed and accuracy with which the individual can distinguish sounds. They must be able to type and must pass the Army's classification test.

The woman who is already trained as a radio amateur and has her license must enlist in the same way as others in the regular force of Army Auxiliaries and must take the same basic training. But, of course, she stands a much better chance than the others of being selected for the radio training.

Women are in demand for radio jobs in eight other branches of the war services, a survey by George W. Bailey, chairman of the Radio Section, Office of Scientific Research and Development, has revealed. The jobs are open to women who know enough code and theory to pass amateur radio operator's examination.

1. Women are needed as junior aircraft communicators by the Civil Aeronautics Administration. The CAA offers a six-months' course of instruction for this work. Pay during the training course is \$1,440 a year with an advance at the end of training to \$1,620. Applications are handled by Civil Service.

2. The Army Air Forces are using women for instructors. Student instructors can make \$1,620 and experienced radio women can get \$2,000 at four schools—Scott Field, Ill., Chicago, Sioux Falls, S. D., and Madison, Wis. Apply to Civil Service if you are interested.

3. The Signal Corps General Development Laboratory at Fort Monmouth, N. J., is taking women from 16 to 50 years old. A six-months' training course is offered during which students are paid \$120 a month with employment at the end of the course at \$135. Applications are handled by Lieut. John T. Freeman, General Development Laboratory, Signal Corps, Fort Monmouth, Red Bank, N. J.

4. The Navy wants trained women for the Radio Section, Bureau of Ships. Applications are handled by Lieut. L. B. Wheeler, Room 2N-21, Navy Department.

5. The Naval Ordnance Laboratory, Navy Department, attention Mr. Ralph Cautley, is also employing trained women.

6. The Naval Research Laboratory, Anacostia, D. C., attention Mr. Fred A. Pierce, can use the services of women.

7. Outside the Government, the Ra-

diation Laboratory, Massachusetts Institute of Technology, Cambridge, Mass., has a few openings for qualified women. Information about them can be obtained from Dr. F. W. Loomis.

8. The WAVES offer radio assignments to enlisted women.

Although women desiring radio positions must first learn the radio code, jobs as code operators just do not exist for women, Mr. Bailey said. The armed services use teletypes entirely for most radio communication. Code is tapped out only in the field in the front lines.


It is necessary to learn code, however, in order to obtain an amateur radio license, and this license is a stepping stone to most radio jobs.

To prepare for the license examination, you can go to a commercial or Government sponsored radio school, take a correspondence course from a commercial school, or you can study at home. Mr. Bailey recommends for home study a small library of books which can be obtained for a total of \$1.75. These include a "License Manual", "Learning the Code," "How to Become a Radio Amateur Operator" and "The Radio Amateurs' Handbook."

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