THE FRONTIER, O'NEILL, NEBRASKA



Service status.

army, and then transferred as inservists. They are always on call for active duty; but they do this: Suppose the army air forces tional miles per hour to the speed not wear uniforms and they receive

"For the first two or three days, ler the Nazi heel, a rose bush ticed, keep the tray in subdued light. planted 1,000 years ago is still After this, place it near a sunny growing in Germany. Set by an window so it will receive as much emperor in a garden near Hildelight as possible. The stronger the sheim, the bush was known to be light the higher the vitamin A content. Slow growth in a cool room is war. better than rapid growth at high temperatures."

Junior Engineers Needed.

At present there are needed aeronautical, mechanical and electrical engineers of junior grade. They receive \$2,400 a year. Physicists, mathematicians and naval architects of the same grade are needed. Craftsmen, such as instrument makers, tool makers, electricians, metalsmiths, pattern makers and airplane mechanics are needed. They receive prevailing rates of government pay on an annual basis.

Women may qualify for a variety of positions. Those with skill in mathematics and physics are assigned to research projects, while those with training as stenographers, typists and clerks are also needed. But the committee is not looking

today for just ordinary help. The projects which these people are working on are among the most vital to war success, and the committee

administrative work.

want a certain aircraft manufactur- of a plane about to go into produccivilian pay and United States Civil | er to produce a new type of pur- tion. suit plane. The design engineers at Special tests are provided for parthe factory confer with experts of ticular types of planes. For high the materiel command of the air speed fighters, aerodynamic experiforces at Dayton, Ohio, and agree ments are conducted in low air pres-

specifications. Both groups then con- | high altitudes. In a huge domed fer with NACA experts at Langley structure, pressures are created to Field to incorporate the latest knowledge gained through research.

the aircraft industry. It works like never failed to add at least 20 addi-

NACA Checks New Models.

The program calls for the factory to go into production by a certain date. The manufacturer assembles tools and material and makes contracts for sub-assemblies. The army materiel command plans and provides the military equipment, including instruments, armor and armament. The NACA responsibility involves, first, making of dynamically balanced small flying models for experimentation in its free-spinning wind tunnel and in the freeflight wind tunnel.

The free spinning wind tunnel is



IN THE SMALL wind tunnel, tests are made on new models, many of

tentatively upon general design and sures, such as are encountered at simulate air conditions at altitudes

> up to 12,000 feet. Taking off and landing abilities of seaplanes are tried out in a basin 600 feet long, containing seawater. A large scale model of a seaplane, or of the floats only, is towed behind an electrically powered crane,

at speeds up to 80 miles per hour. Experimental planes are flight tested under carefully controlled conditions, and a record is made of its performance on movie film. The test pilot is given orders by radio telephone from the ground, and he performs the turns, loops, dives, climbs, and other maneuvers.

One of the recent outstanding con-

The one drawback of sprouted grains is the space required to grow them. However, Dr. Taylor estimates that a total of 10 square feet of sprouting area, divided in three parts and used in rotation, will produce from 1 to 21/2 pounds of seedlings daily, or enough for 20 to 50 hens.

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blooming up to the time of the



Jim," she told him, "You wake the baby every time you come in. You're so noisy!"

Jim promised to do his best. After the next spell of late duty he opened the front door without a single creak, and reached the top landing safely.

There and then his old habit overcame him. In a stentorian voice he bellowed: "Have your fares ready, please!"

Overseas Phone Rates

Most overseas telephone rates vary with distance, but several exceptions still exist because of the difficulty of changing them in wartime. For instance, while the cost of a three-minute daytime call from New York to London, 3,500 airline miles, is \$21, and to Moscow, 4,700 miles, also \$21, a call to Sydney, 10,000 miles, is only \$19.50.

Housefathers

Among the aborigines of Australia it is common for fathers to look after the children while their wives work.







