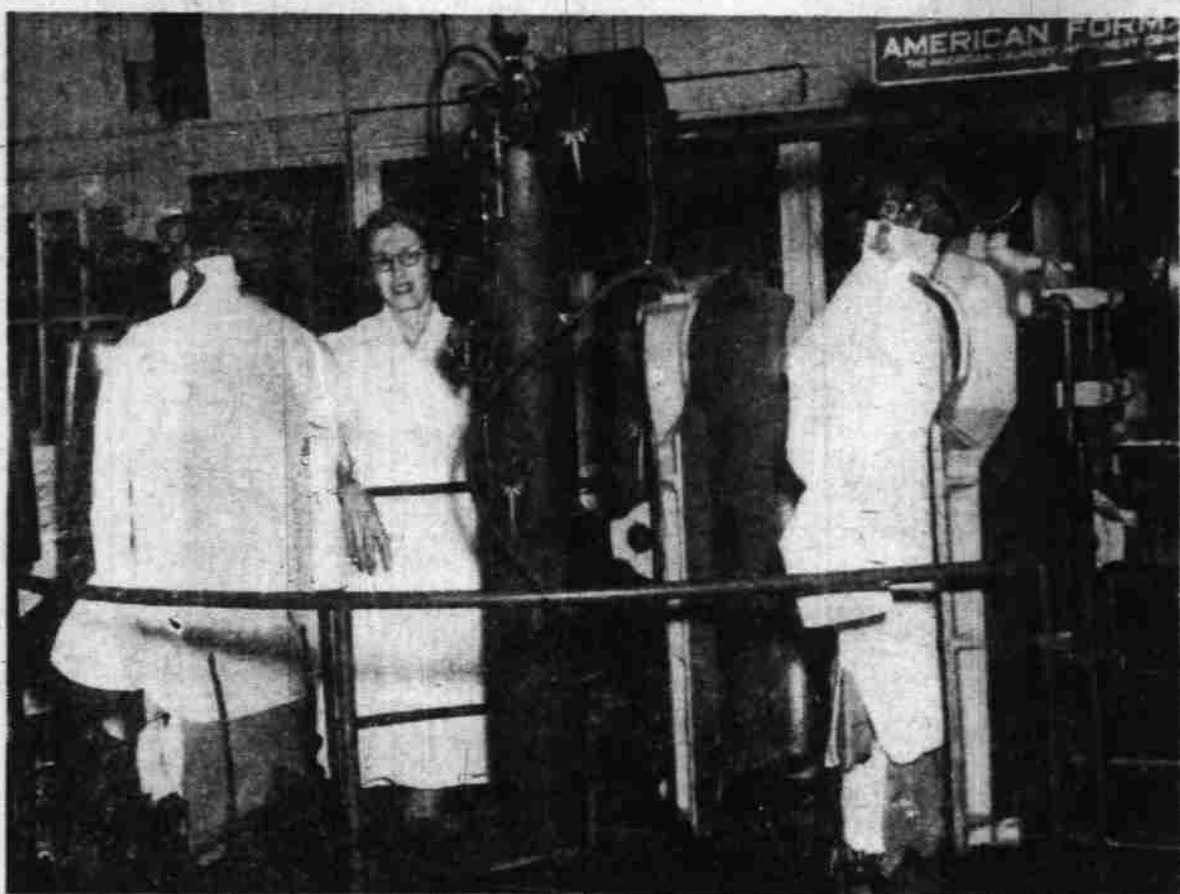




Pressing a whole shirt on a form fitting machine is demonstrated above by Frances Schaefer at the Rawlins Capital City Laundry. The machine, invented by George H. and R. A. Rawlins, is one of the industrial developments to be featured at the Willamette Valley Industrial Exposition at the State Fair.

The Formatic shirt pressing machine will be one of the inventions and new industrial developments featured in the Willamette Valley Industrial Exposition sponsored by the Salem Chamber of Commerce at the Oregon State Fair next month.

This machine makes it possible to have a shirt look better, fit and feel better because it is pressed on a form fitting press. These ma-

chines are being marketed throughout the world and it is an example of an Oregon invention making good.

It is the desire of the Salem Chamber of Commerce to encourage more people to develop their industrial ideas so that others may benefit thereby not only in better living, but in increased payrolls in the Willamette Valley.

The chamber's exposition will in-

clude both industrial exhibits and industrial movies. The shirt presser will be featured in the movie presentation of Rawlins Capital City Laundry. It was invented by George H. and R. A. Rawlins, Salem.

A typical modern jet fighter plane contains enough electrical wiring to complete the electrical circuits of 38 six-room houses.

'Satellite' Project Kindles Celestial Curiosity

Editor's Note: Professor Marcel Nicolet, who wrote the following dispatch for United Press, is secretary-general of the special committee for the International Geophysical Year, 1957-58, in which the United States plans to launch the first artificial earth satellites.

By PROF. MARCEL NICOLET
Written for United Press

BRUSSELS (UP)—In the past week the world has been bombarded by the word "geophysics." Its imagination has been caught by America's project to fire a satellite into outer space.

Geophysics is nothing new. Of all sciences it necessitates the widest coordinated understanding of experimental, theoretical and mathematical problems.

Geophysical observations are only of value when they are synchronized on a global scale and in large numbers.

In terrestrial and atmospheric physics and aeronomy, the new word which has sprung up to define physical processes occurring

at high altitudes, it has become evident that observations must complement each other if any progress is to be made.

For example, in mathematical research connected with geophysics the scientists must possess a profound knowledge of several scientific subjects in order to simplify his mathematical expressions.

The Geophysical Year was conceived by Dr. L. V. Berkner, president of the Associated Universities, Inc., and former member of

the Carnegie Institution of Washington.

The first step will be in the field of meteorology, with establishment of a network of stations to sound out the higher layers of the atmosphere. This network will extend from the North Pole to the South Pole.

The northern and southern lights (auroras) will be observed from a chain of stations situated around the earth about 20 degrees from each pole.

In addition, more than 100 sta-

tions will send radio waves into the ionosphere in order to determine with extreme accuracy the physical conditions prevailing there and to predict with certitude the circumstances in which radio communication is possible.

And this will be carried out during the "Year" simultaneously with international studies in such sciences as glaciology and oceanography.

These ground observations will be complemented by high altitude readings from rockets to be

launched from the United States, the Arctic, the Antarctic, Japan, Australia, the Sahara, etc. The rockets will transmit back information concerning temperature, density, pressure, radiation, etc.

To complete these varied observations it was suggested at the special committee meeting in Rome last October that the possibility of launching a satellite be studied.

Last Friday's announcement that the United States would build such a satellite completed the chain.

Egg Production Schedule Eyed

UNIVERSITY PARK, Pa. (AP)—Harry Kauffman, poultry specialist for Pennsylvania State University, says farmers producing eggs for a local market can fix production schedules to equalize monthly output.

One flock of chickens hatched in winter and another flock hatched in June will help to equalize monthly production, Kauffman explained.

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