

Seized From Enemy Aliens by FBI



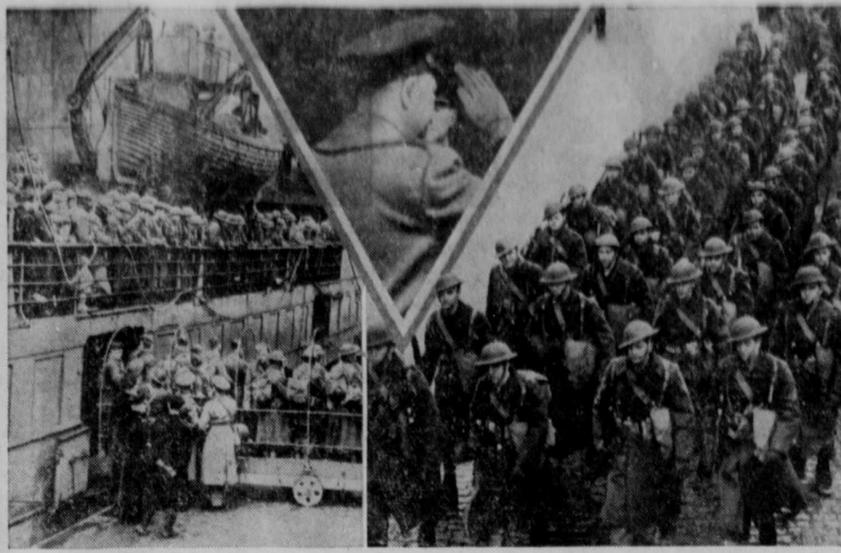
Shown here is some of the material seized by Federal Bureau of Investigation agents in Newark, N. J. The FBI men co-operating with local police seized many enemy aliens in Newark and vicinity. The material includes fire arms, short wave radio sets, photographic equipment and other contraband which should have been turned over to the police. Photographs of Hitler, swastika banners and other pro-Axis items—not exactly contraband—were included in the haul.

Nazi Agent



Aviatrix Laura Ingalls leaves the federal court in Washington, D. C., where a jury of ten men and two women found her guilty on charges of being an unlisted Nazi agent. The famous flier faces two years' imprisonment or \$1,000 fine, or both.

It's Not Such a Long Way to Tipperary Now



An historical occasion—the vanguard of the great American Expeditionary force promised to Britain by President Roosevelt, lands at a North Ireland port. At left is a general view as first troops land. Right: Men of the first A.E.F. of World War II march through the streets of the unidentified Ulster city at which they landed, after safe voyage across the Atlantic. Inset: The duke of Abercorn, governor of Northern Ireland, raises his hand in salute as A.E.F. soldiers disembark.

FARM TOPICS
CHOLERA REMEDY NOW PERFECTED

Disease Costs Hog Raisers \$20,000,000 Annually.

By W. H. BOYNTON
(Professor of Veterinary Science, University of California.)

Hog cholera is admittedly one of the most destructive of all animal diseases. The yearly cost of this disease has been estimated at between \$20,000,000 and \$30,000,000 in the United States alone. Within the past few years the author has developed at the University of California college of agriculture a new tissue vaccine which is expected to cut this annual cholera "tax" very substantially.

This vaccine is known as BTV and is now available from commercial companies. It has been used on more than 100,000 hogs on the Pacific coast and in the Middle West. BTV is composed of finely ground glandular tissues from hogs infected with cholera. These tissues are taken from the hogs at the height of the disease and then treated with eucalyptol. The result is a vaccine which cannot produce cholera in a hog but does produce an active immunity to the disease.

When BTV is used, vaccinated pigs can mingle with unvaccinated pigs without transmitting cholera to them. Furthermore, pigs harboring latent infections, such as pneumonia or enteritis, at the time of vaccination are not subject to the danger of flare-ups of these infections due to the lowering of body resistance. This danger of lowered resistance followed by death from some secondary infection has been one of the major drawbacks of the serum-virus method of vaccination for cholera.

The vaccine is not intended for pigs that already have cholera. It should be given only to swine that do not have the disease. Since a period of at least three weeks is required to build up a satisfactory immunity in the animals, pigs which have been exposed to cholera or are suspected of having it should be treated first with anti-cholera serum to make sure that the infection is checked. Later they can be given the tissue vaccine.

At present this vaccine is not recommended for garbage-fed pigs, although successful experimental results have been obtained by administering the vaccine before and after weaning.

AGRICULTURE IN INDUSTRY

By Florence C. Weed
(This is one of a series of articles showing how farm products are finding an important market in industry.)

Research on Hemp
As soon as science can produce a hemp plant free from a narcotic drug, this crop will offer a good market for farmers. Unfortunately the plant, in its present form, produces the narcotic, marihuana. The misuse of this drug has caused the passage of the federal marihuana act which forbids the growing of hemp except under federal supervision.

Because of the restrictions, less than 1,000 tons annually are grown in this country although in former years the growing of hemp fiber was a flourishing industry. In 1859, Kentucky alone produced 75,000 tons.

The word "hemp" is sometimes applied to about three different fiber plants including manila hemp and sisal hemp. The common variety grows well in the United States, attaining a height of 3 to 20 feet and sometimes yielding 800 to 1,000 pounds of fiber per acre. The plant is cut by machine and allowed to dew-ret on the ground. Then it is collected in stacks and sold to the mill. The mill dries the stalk and removes the fiber in a "hemp brake."

Cordage, which can be made from hemp fiber, is one of the urgent needs of the defense program. Hemp can also be used in making cigarette paper and this commercial outlet has already been opened. From the seed a useful oil can be extracted and when mixed with other seeds the hemp can be utilized as bird food.

Research is already under way to find a variety of hemp that will contain only a small amount of marihuana. This work appears promising since some plants have been found to produce only small quantities of the resin.

Farm Notes

Crops that require cool and moist conditions in storage are the root crops, carrots, salsify, parsnips, turnips, rutabagas, and winter radishes.

Faced with a declining supply of available workers, farmers have been able to keep their hired men this past fall only by sharply increasing farm wage rates.

Price Czar Is Sworn Into Office



Here Leon Henderson, who will keep the ceiling on prices, is shown taking the oath as price administrator. The President's appointment of Henderson was recently approved by congress. Photo shows, left to right, associate U. S. Supreme Court Justice Robert Jackson administering the oath of office; Donald Nelson, Mrs. Leon Henderson, and Leon Henderson.

Indies Naval Chief



Vice Adm. C. E. L. Helfrich, of royal Netherlands navy, now commander of allied naval forces in the ABDA-Orient Pacific Indies. He succeeds Adm. Thomas Hart, U. S. N., who was relieved because of illness.

Heroes of Luzon



Shown above are two generals who have been personally decorated by General MacArthur with the distinguished service cross for heroism in action. They are (top) Brig. Gen. Albert M. Jones, and (below) Maj. Gen. Jonathan M. Wainwright.

It Blows Hot and Cold for Hitler's Hordes



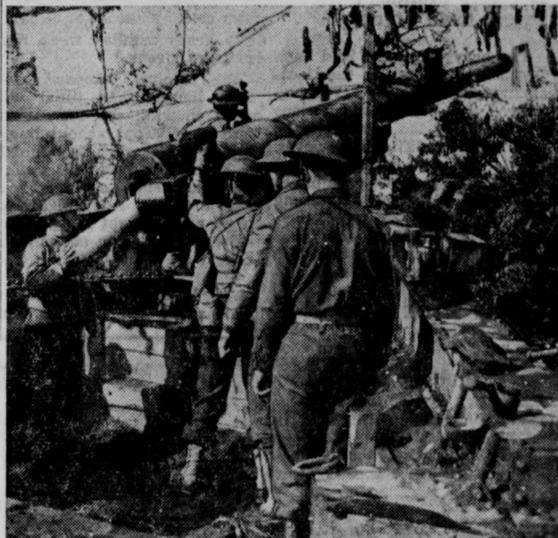
South African troops of the British Imperial forces make a close examination (left) of a huge German Mark 4 tank captured on the desert. Of especial interest is the huge short-barreled cannon mounted in the side of the tank. By way of contrast, picture at right gives some idea of the intense cold of the Russian-German battlefield. Red army machine gunners were photographed in the firing line as they slowly pressed the German hordes back.

Australian 'Jumping Off Place'



Here is a view in Alice Springs, Australia, the jumping off place of the continent's own strategic "Burma road." From the railroad here to Port Darwin on the north coast, through the barren desert wastes of the "back of beyond" rolls the four-lane defense highway which carries the sinews of war from the industrial south to the north coast.

Scanning Western Sky for Hostile Wings



For the first time since the days of the Civil war, the Pacific coast, the only part of the continental United States so designated, has become a theater of war. Throughout this district the armed forces are on a constant alert. Above photo, showing 155-mm. gun, illustrates the activity.

Forced Landing



Two marine fliers escaped injury when this low-wing monoplane buried its nose in the recreational area of Fairlawn park, Anacostia, Washington, D. C. The aviators were Maj. R. D. Salmon and Staff Sergt. Andrew Marshall.

Burning Midnight Oil in Officers' School



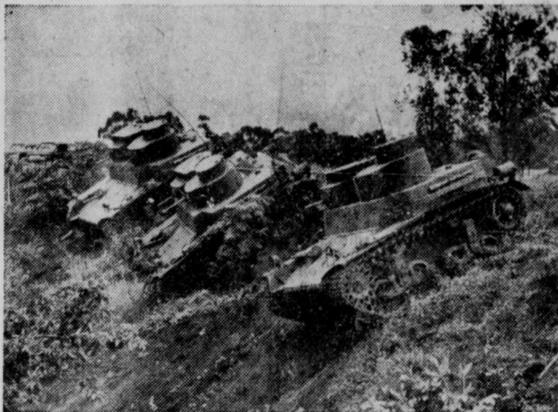
At the command and general staff school at Fort Leavenworth, Kan., the only one of its kind in the country, officers of our army go through stiff training course to prepare them for command and general staff duty. Here a trio of student officers are shown in their quarters preparing solutions for the problems of tomorrow.

Sure Shootin'



Appearing in his new uniform for the first time, Lieut. Gen. William S. Knudsen, U. S. A., (left) inspects a Garand rifle with Undersecretary of War Robert Patterson. Knudsen was appointed a lieutenant general by President Roosevelt recently.

Preparing for Second Attack on Hawaii



This approved picture shows U. S. army tanks maneuvering over the rough terrain of the Hawaiian islands, as troops in occupation prepare for future eventualities. A hot reception is assured for all comers—if and when.

Mask the Bushman



This photo, made in Australian territory, shows a native being introduced to that blessing of modern civilization, the gas mask. The warrior seemed quite pleased with it.