

## FARMERS AND FARM WORKERS

# If Your Farm Work has Slackened for the Winter, You Are Needed Elsewhere in Essential Employment

Highly essential work-very important in Canada's war effort and for the welfare of the Nation-is threatened with shortages of workers. One of the few sources of men available for other high priority jobs is those men on the farm who will not be needed at home during the Fall and Winter. Heavy needs must be met in many linesproducing fuel wood and other necessary forest products; in base metal mines, in food processing, in railway track maintenance. If you live on a farm and are not needed at home during the Fall and Winter, you are urged to answer this national appeal.

Farmers engaged in essential work during the off season will be allowed to return home when needed. Also, those on postponement under Mobilization Regulations will continue on postponement while in approved essential work during the slack on the farm.

Please answer this vital call NOW.

For full information please apply to one of the following:

The nearest EMPLOYMENT AND SELECTIVE SERVICE OFFICE OF

The nearest Provincial Agricultural REPRESENTATIVE or YOUR LOCAL FARM PRODUCTION

COMMITTEE

NATIONAL SELECTIVE SERVICE

## DEPARTMENT OF LABOUR

SUMMARY MITCHELL, Minister of Labour

A. MACNAMARA, Director, National Selective Service

# CheSNAPSHOT GUILD

GROUP PICTURES



A group picture is better if interest is centered on one point-as It is on the letter in this instance.

ROUP pictures fall into two of a gesture—while the others listen. classes—the formally arranged, Or, let the central figure be exhibitand the informal, unposed type. Of ing something-a book, a gift, or any these, the latter tends to be more other suitable article-while the interesting and pictorially superior. others observe and admire. That's in formal groupings, the subjects the principle which holds our illusare usually just lined up and pic- tration together as a composition. tured looking at the camera. But However, a "center of interest." informal arrangements allow great let us hasten to note, need not be variety of placing, and admit of centered in the picture space. In-

more naturalness in pose and ex- deed, for an informal picture it shouldn't be centered. Usually it's meh group, of course, differs best if it's somewhat off center, as but here are a couple of suggestions in our illustration, or placed in an which will be helpful in picturing upper or lower quarter of the picany of them. First, avoid regularity ture-for those spots are the "strong -cash as similar poses, or a level points" of any composition. line of heads. And, whenever pos- Remember that the next time you sible, arrange things so that all of take a group picture, and try to the interest within the group is con- avoid stiff, formal groupings. Inforcontrated on one point. mal group pictures which tell a

such a center of interest is easily story are ever so much more interobtained. For example, let one per- esting, and, surprisingly, much more son appear to be talking-perhaps fun to make. emphasising a statement by means

John van Guilder

Fish Industry Lags in Rich So. American Waters

Up to now, many of the Americas, with myriads of fish in their waters, have consumed chiefly imported

canned or salted fish. Chile is an example. Its 2,620 miles of coast stretches from the tropics to the Antarctic. Together with the adjoining coast of Peru, it constitutes one of the most productive fishing areas in the world. Albacore (a white meat tuna), swordfish, bonito, sea bass, mackerel, herring and many other varieties of commercial fish abound. And yet Chileans customarily have eaten much imported fish.

But Chile illustrates what rapid progress can be made in fish development once a program is pushed. In 1942 Chilean production of canned fish amounted to 8,040,765 tins, neardouble the 4,545,408 tins packed in 1940. Chilean canning companies believed that in 1943 they could triple 1942's figure, provided the export market would absorb the increase and ships were available.

Venezuela could become a large fish producing country. This country has a wide variety of species. There are no evident signs of depletion. Spanish mackerel constitute the largest poundage. Good quantities of red snappers, mullet, blue fish, herring and sharks also are brought in. Venezuela annually produces about 25,000,000 pounds of salt fish, 4,500,000 of canned, 30,000, 000 of fresh. Lack of up-to-date facilities for handling and processing and marketing the fish has slowed down the industry in Venezuela.

#### Marines Use Imagination

To Make Jungle Home Marines in the South Pacific, thousands of miles from home, take a part of the United States with them wherever they go. They cannot resist the temptation to tag everything they touch with familiar labels. One marine was home on furlough

recently. When he returned to this South Sea island he brought with him a metal highway marker which proudly proclaimed "This is Weehawken.

He erected it on a pole in front of his tent on the banks of a river near here.

Nearby, six marines occupy a tent palace they have named "Skeeter Bar." They have worked night and day on their property, giving it all of their liberty time for the past three months.

Its marine tenants have used vines for a fence and have planted flowers along the walk. Burlingame recently built a barbecue pit in the yard and the boys frequently invite their friends in for a feed.

They've built furniture from discarded boxes and native wood and have cut the bottom out of old bottles to make lamp shades for their candles.

Microphotography Developed Although newly developed in its present superior form, the idea of microphotography was originated in 1870 during the siege of Paris, in the Franco-Prussian war. The French managed to get news out of the city by means of free balloons released with cargoes of letters; homing pigeons in the balloons brought in messages but necessarily of ex-

tremely limited size. Then a French photographer, Dagron, who had experimented with microphotography before the siege, conceived the idea of printing the messages to be carried by pigeons on large sheets, then reducing them in size photographically. More than 100,000 dispatches were sent in this A strip of the original film is now in the archives of the Library of Congress together with nearly 10,000,000 microfilm reproductions of valuable and irreplaceable books and documents.

'Chemically Discontented'

Explosives mark man's closest approach to sheer "black magic," furnishing in the form of innocent-looking black or brown powders, grains or jellies, the most powerful forces that he can deliberately apply. Explosives act as they do because they are "chemically discontented." The ingredients of which the socalled high explosives are made are rammed into solid and liquid forms like jacks-in-boxes. They are ready, on the least excuse, to jump out into their gaseous forms again. The excuse, furnished by fuses or detonators, is a sudden, powerful jolt The hot gases into which each solid particle changes in a tiny fraction of a second occupy a vastly greater space than the particle did-more than 8,000 times as great in the case of nitroglycerine.

Axis Must Feed Prisoners

Under the Geneva convention. warring nations must feed prisoners of war the same ration given their own soldiers. Germany is a signatory to that pact and while Japan has never formally ratifled it, it is believed that the Nipponese government is making some effort to com-

soldier in German prison camps is knit together with steel rails. largely potatoes, cabbage, fish, an indefinite amount of meat but no fats of any kind. While this ration complies with the convention agreement, it provides only for bare existence and the supplemental food package attempts to supply to some extent lacking elements.

Nazis Rely on Wood Goering's selection as Reichforst liquors of paper mills.

## Unearth Religious 'Mecca'

Of La Venta in Mexico The ever - searching picks and shovels of archeologists digging in ages" have exercised strong, but southern Mexico during the last few | conflicting, influences on state revemonths have traced in missing lines | nues and revenue trends during the to disclose the picture of a tropical last three years. "War prosperity" American "Mecca" or "Canter- on the one hand has brought states bury," thronged 11 centuries ago their greatest revenue surpluses in with thousands of bronze-skinned re- history; "war shortages" are shiftligious pilgrims. This shrine probling the emphasis from sales taxes ably was well-established when Mo- to income taxes-or from indirect hammed's religion was still new and | to direct taxation. Canterbury was just emerging as England's religious capital.

Outstanding among the latest ma- trend continuing in 1942 and 1943, terials unearthed were jewelry made | though at a more moderate rate of jade of the highest quality ever | than during 1940 and 1941. This slowfound in the New world, skillfully ing down reflects the growing influcarved and sculptured works of art, ence of shortages, rationing and levceremonial objects, and large deco- eling off of production. rated stone altars. No carved dates were found, but comparison with more than three-fifths of their total sites of known age led the archeolo- revenues upon such taxes as income gists to estimate that La Venta flour- and excise levies. The swing to ished between 500 and 800 A. D .- | 700 to 1,000 before the coming of reflect any change in national in-

ligious center consisted of a plain aside for postwar purposes, indicates high. Stretching from it were lines | been integrated into national trends. of a dozen or more smaller mounds. Between, giant human heads sculp- revenues, increase in the national tured from basalt gazed across the income expresses itself in rising revplain; and at intervals rose massive, flat-topped stone altars.

reservation, probably, were the from excise taxes. workshops of the artists and artisans whose skilled fingers have given La Venta its fame today. "Here," says a preliminary report of the expedition, "the ancient artisans carved with equal fidelity giant basalt heads weighing 20 tons and miniature objects of jade smaller than a fingernail and perforated with holes not much larger than the diameter of a coarse hair. With respect to stone highest art level achieved in ancient the ship to see that his ship was

#### Army Flies Own Hangars To Fighting Front Areas

Army airplanes can now fly their different matter. own hangars into airports in the front areas where quick cover is cause of heavy waves or gun fire a

of the corps of engineers and the was thrown overboard to lighten the army air forces, a demountable ship and thus keep her afloat. It hangar has been developed which made no difference whose goods not only can be transported by air | went overboard! The loss was made but erected in a matter of hours. up by contributions from the owners The building has a steel frame, of the rest of the goods saved by the held together with hinges and drift sacrifice. This was really an inbolts, the pieces of which nest in- surance device-primarily a device side each other like tablespoons for the limited distribution of loss. when the building is knocked down

fire-resistant canvas form the walls they repay at a high interest rate and ends of the building. These are if the cargo were delivered. In the erected and laced to the frame event of loss, however, they did not through a system of ropes hung have to redeem the loan. from pulleys-a technique not unlike that employed with large cir-

Experience with the new building indicates it can be set up complete in a period of 12 to 18 hours.

Crate Like Home How to "make yourself at home" in a shipping crate is one of the combat tricks now being practiced

by students at the army air forces technical training command's glider mechanics school at Sheppard Field,

fuselage. It is packed in a crate 25 | wounds feet long, 8 feet high and 7 feet l wide. This spacious container looks | tain the vital substance, Dr. Render like a railroad box car without applied the dosage to volunteer pawheels. Remembering the aban- ients at the Cherokee State hospital, doned box cars that serve as shacks and found that the clotting of human near railroad yards all over the country, the AAF decided there was no need to consign the fuselage shipping crates to the kindling heap. Hence, they are provided with insulation against cold, heat, wind and rain and will be used as barracks for the pilots and ground crews as glider bases.

Source of Jade Mystery

Top interest in the eighth century objects most recently unearthed at La Venta, Mexico, goes to the jewelnormally gases. They are virtually | ry fashioned from beautiful translucent emerald-green jade, a precious stone as valuable as emerald itself. This extraordinary jade rivals the tage to other community names in of world excellence. The finding at | Vestor, Phoenix, Eros, Leander, gem-jade and less valuable sorts of the stone emphasizes a mystery that have been found in all Middle homage to the planets. America and few in the New world.

Progress Follows Civil War

total built in the preceding 50 years. locomotive kept going one pump The basic diet of the American | 000 miles more. The continent was per day into the mains, and upon

in 12 years.

Mitchell Pioneered Paratroops The first paratrooper probably was a French captain who jumped in the spring of 1918, with an assistant and a load of explosives, to blow up German communications und Jaegermeister, "Germany's behind the lines. Soon afterwards chief forester and master hunter." General Billy Mitchell, then Pershwas no idle appointment. Goering ing's air commander, dreamed up has stated: "To be without wood in the idea of dropping a whole diviwar is nearly as bad as to be with- sion behind the lines simultaneously out bread"-an appropriate remark with a frontal offensive. Pershing when it is considered that German assigned Mitchell a division and he soldiers are eating wood sugar and withdrew it from the lines to train it wood preteins and the meat of cattle | en masse as paratroopers, but the fattened upon wood-made fodder, war ended before he could begin. The basis of Germany's "ersatz" in- General Mitchell always rlugged, dustries is wood. Their Buna tires and in 1926 dropped a volunteer maare made from wood alcohol; their chine-gun squad as a demonstration. trucks are driven by wood-gas; lu- As always with U. S. military bricants are obtained from tree novations, others took up the idea stumps; explosives are manufac- first. The Russians tried out Mitchtured from wood pulp and the waste | ell's idea, unveiling a mass parachute jump in 1936.

# States' Revenue Policies

Linked to National Trends "War prosperity" and "war short-

State revenues have been rising steadily since 1939 with the upward

States have come to depend for dependence upon these taxes, which come, coupled with the fact that As reconstructed, La Venta's re- many states have begun to put funds dominated by a great man-made how strongly financial and political mound more than a hundred feet development of individual states has From the point of view of state

enues from income and sales taxes. Shortages of various goods and serv-A short distance off the religious ices produce declining revenues

Insurance Developed to

### Protect Shipping Cargoes

When the ancient businessman or trader sent his goods to another country by means of a ship, two perils might prevent his goods from reaching their destination. The first was the simple matter of pirates. It work, this may be considered the was the duty of the captain of heavily armed or to travel in the company of other heavily armed ships. This gave some measure of protection against the cutthroats of the sea. Storms, hurricanes, and treacherous shoals were entirely a

When a ship began to sink besimple plan was used in an effort As a result of co-operative efforts to save the ship. Part of the cargo At the same time another clever dea grew up. Money was loaned

Completely fabricated sections of to shippers on the condition that

Medicine From Weeds

Creeping Jenny (European bindweed) is of practical value. In the root of this plant is a substance that stops bleeding, and in wartime a medicine like that is vital.

This stop-bleeding substance was liscovered by plant physiologist Arhur I. Bakke and hospital superinendent Norman D. Render, while hey were studying the roots of this weed at a laboratory in Chariton,

In chopping up the weed roots with Troop carrying gliders will be sharp butcher knives, the men hapshipped to advance invasion bases pened to nick their fingers, and sudin huge, olive drab wooden crates. | denly noticed that although the cuts The motorless aircraft are shipped were deep, bleeding stopped instantin five sections. The largest is the ly when the roots touched the

After processing the roots to obblood was accelerated. Several harmaceutical concerns are inrestigating production of the medicine in quantity.

What's In a Name

Louisiana is exceptionally rich in musual titles for villages and other communities. For example, in Jackon's parish, La., are towns named Duty, Liberty, Uncle Sam, and Aimvell, with the town of Dally not far way! Gaytime, Bohemia and Bliss are in Rapides parish. There are owns named Hard Times, Solitude and Blondes.

Mythology has contributed its herfamed gem-jade of Burma, standard Louisiana. Ulysses, Odin, Ajax, La Venta of objects made from both Adonis, Minerva, and Echo all are commemorated in the state.

The weather is a common inspiraso far has baffled archeologists: the tion of town names, in Louisiana as origin of the jade worked into orna- lelsewhere. Flood, Tide, and Frost ments abundantly by early Ameri- are three, and Sunbeam, Sunrise, cans. No natural deposits of jade | Starlight, Luna, and Half Moon pay

Locomotive Drafted

A railroad locomotive was drafted The Civil war was followed by un- recently by Pontiac, Mich., to supprecedented progress both in indus- ply steam for operation of a pump try and agriculture. Between 1870 at one of the city's water pumping and 1880, we built over 40,000 miles stations while new equipment was of railroads, or three-fourths of the being installed at the plant. The During the next decade, we laid 73,- maintaining a 5,000,000-gallon flow experimentation, was found to pro-Coal tonnage rose from 33 million | duce sufficient steam to operate an tons in 1870 to over 157 million tons 8,000,000-gallon pump also. Connecin 1890. Production of iron quadru- tions used in the experiment were pled, copper output increased nine purchased by the city and will be times, silver output more than five left in place, making it possible to times. Steel production leaped from | reconnect a locomotive in less than 2,600 tons to 1,000,000 tons annually half an hour should an emergency

'Soapless Soaps'

"Soapless soaps" represent another important contribution of the research laboratory to our daily lives. Starting with ordinary vegetable and animal oils, the chemist makes "fatty alcohols" which, in combination with sulfuric acid and other chemicals, give us a class of compounds known as "fatty alcohol sul-

Although chemically quite different from ordinary soap, certain of the fatty alcohol sulfates are the best "detergents" known. They are similar to ordinary soap in cleansing properties, but better in that they work in hard water as well as in soft water. Even with briny ocean water they form billows of foaming suds.





(1 YEAR) and THREE GREAT **MAGAZINES** For Both

Newspaper

and Magazines GROUP "A"-Select One [] Better Homes & Gardens 1 Yr [] True Story Magazine..... 1 Yr [] Photoplay-Movie Mirror 1 Yr [] Woman's Home Comp..... 1 Yr [] Sports Afield... [] Magazine Digest ...... 6 Mos. [] Fact Digest..... [] American Home. [] Parent's Magazine...... 6 Mos. [] Open Road for Boys...... 1 Yr [] The Woman..... [] Science & Discovery...... 1 Yr [] Liberty (Weekly) ..... 1 Yr. [] Silver Screen ...... 1 Yr.

[] Screenland ...... 1 Yr. [] Flower Grower ..... 1 Yr. [] American Girl ...... 1 Yr. GROUP "B"-Select Two [] Maclean's (24 Issues)..... 1 Yr [] Canadian Home Journal 1 Yr [] Chatelaine ...... 1 Yr [] National Home Monthly.. 1Yr

[] Family Herald & Weekly Star ..... 1 Yr. [] New World (Illustrated) 1 Yr [] \*Farmer's Magazine ..... 2 Yrs. [] Canadian Horticulture & Home ...... 1 Yr. [] Click (Picture Mthly.).... 1 Yr. [] Canadian Poultry Rev.... 1 Yr [] Rod & Gun in Canada.... 1 Yr. [] American Fruit Grower 1 Yr

Enjoy the finest magazines

while saving tires and gas. Only through this newspaper can you get such big reading bargains. Pick your favorites and

THIS NEWSPAPER (1 Year) and Your Choice THREE POPULAR **MAGAZINES** 

mail coupon to us TODAY.

[] Maclean's (24 Issues)..... 1 Yr [] Canadian Home Journal 1 Yr [] Chatelaine ..... 1 Yr [] National Home Monthly 1 Yr [] Family Herald & Weekly Star ..... 1 Yr.

[] New World (Illustrated) 1 Yr [] \*Farmer's Magazine ..... 2 Yrs [] Canadian Horticulture & Home ... [] Click (Picture Monthly) 1 Yr [] American Fruit Grower. 1 Yr

[] Canadian Poultry Rev.... 1 Yr [] Rod & Gun in Canada.... 1 Yr [] American Girl..... 6 Mos. \*Farmer's Magazine sent only

to farm addresses in Eastern Canada.

(1 YEAR) and ANY MAGAZINES

Both for Price Shown All Magazines Are For 1 Year [] Maclean's (24 issues) ..... 2.50 [] Canadian Home Journal.. 2.50

[] Chatelaine .... [] National Home Monthly.. 2.50 [] Family Herald & Weekly Star ... [] New World (Illustrated).. 2.50 [] \*Farmer's Magazine (2 years) [] Click (Picture Monthly).. 2.50

[] Canadian Horticulture & Home ..... [] Canadian Poultry Review 2.50 [] Rod & Gun in Canada ..... 2.50 [] True Story Magazine...... 2.75 [] Woman's Home Comp. .... 2.75 [] Sports Afield [] Liberty (Weekly) ...... 2.90 [] Magazine Digest [] Silver Screen [] Screenland

[] American Home [] Parent's Magazine [] Christian Herald [] American Girl

[] Open Road for Boys ...... 2.50 [] Red Book [] American Magazine [] Collier's Weekly ...... 3.75 1] Child Life [] Canadian Woman

[] Flower Grower

FILL IN AND MAIL TO THIS NEWSPAPER TODAY Check magazines desired and enclose with coupon,

Gentlemen: I enclose \$ ... ..... Please send me the offer checked, with a year's subscription to your paper. POST OFFICE

