Center Hill #24
magics.
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WINDWARD, HO!

SCRAP BOOK

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Box

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Elmer Gene Pruett
Center Hill School.



Commanding officer
Andrew X. Moses (
the Separate Coast



The Eleventh Field
(*above*) for LIFE's ca
these fire over Hawaii



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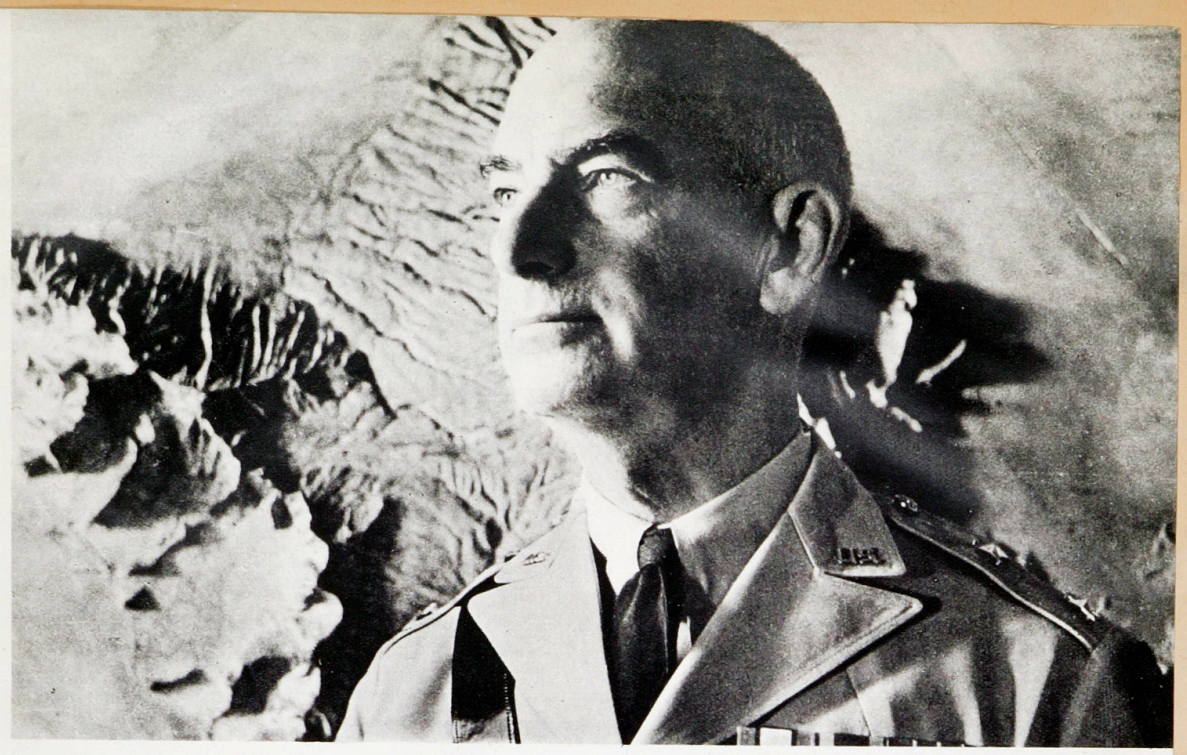

Commanding officer of Schofield Barracks is Major General Andrew X. Moses (*above*) whose forces must co-operate with the Separate Coast Artillery, under the high command of Major General Hugh A. Drum. The relief map shows the north half of Oahu Island and, under the General's chin, the plain on which lies Schofield Barracks. Honolulu is 20 miles southeast.



The Eleventh Field Artillery lined up 155 mm. howitzers (*above*) for LIFE's cameraman. Against an invading enemy, these fire over Hawaii's mountains, plop shells on the beach.

The 55th Coast Artillery plant a 155 mm. GPF long-range gun overlooking Schofield Barracks. Most Hawaiian artillery is mobile to defend any point of Oahu's 160-mile shore line.



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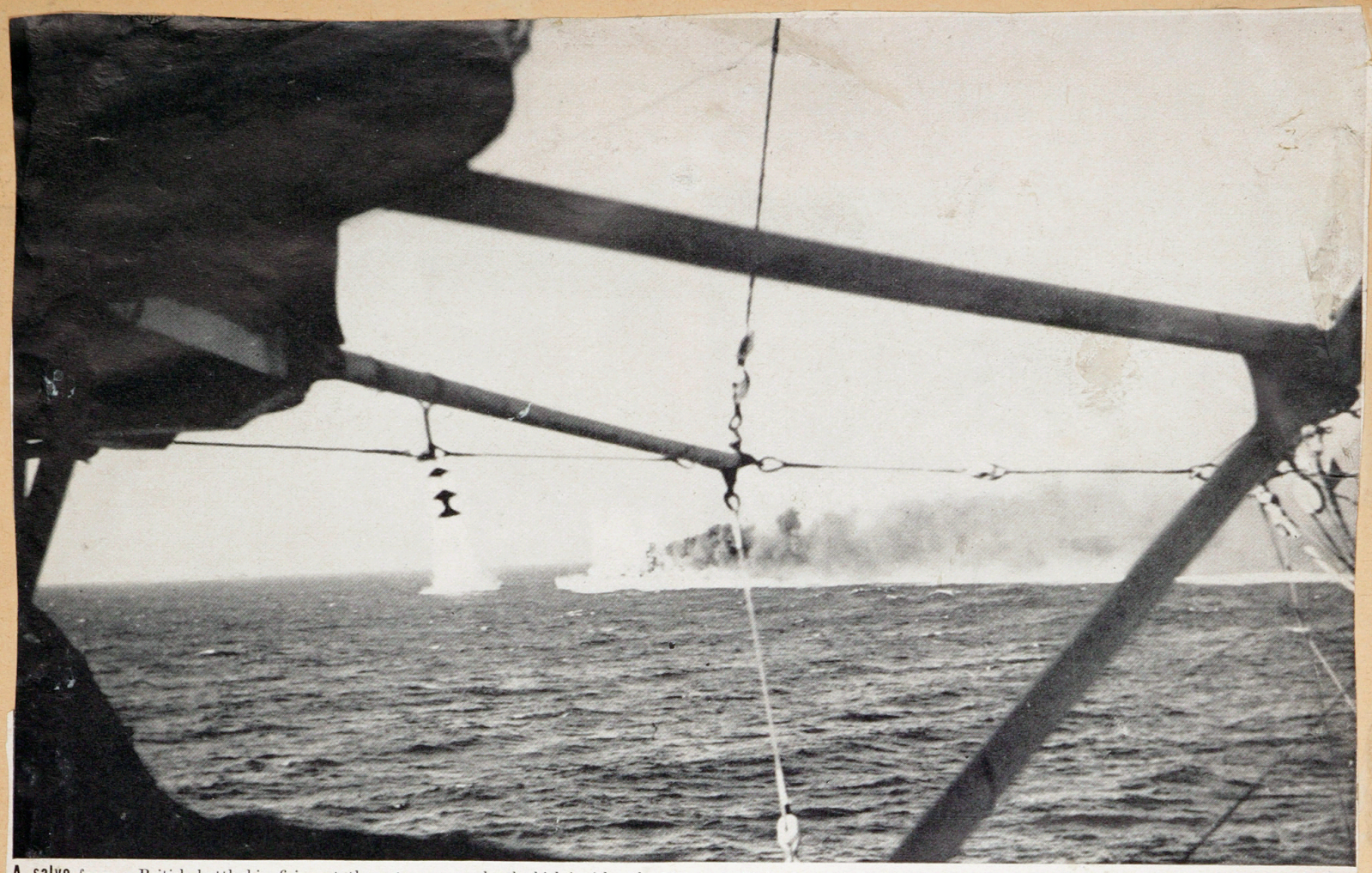
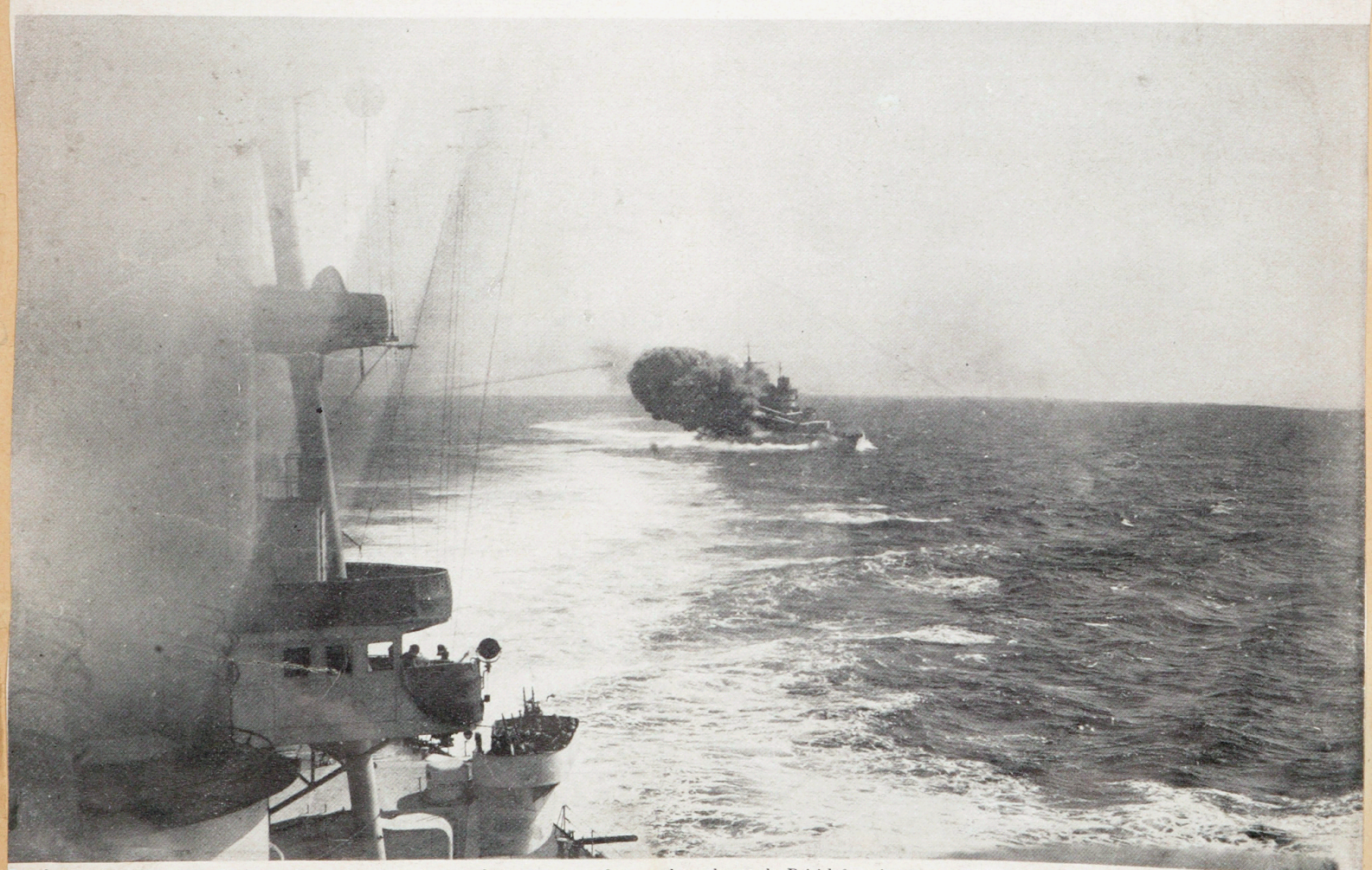


A salvo from a British battleship firing at the extreme range of about 20 miles straddles the Italian battleship up ahead which is either the 23,600-ton *Giulio Cesare* or *Conte di Cavour*. Position of the Italian's guns, firing a salvo in return, would indicate that the British were chasing the Italian squadron and bearing down upon it from right rear.



U. S. aircraft rose at once to re darken with American fighters formations, like the one above,



Turning away and changing its course from what it was in the picture at the top of the page, the same Italian battleship, now astern, fires another salvo at the British from its forward guns. These pictures show that the British marksmanship at long range was excellent, but that the Italians, with their speedier ships, enjoyed greater maneuverability.

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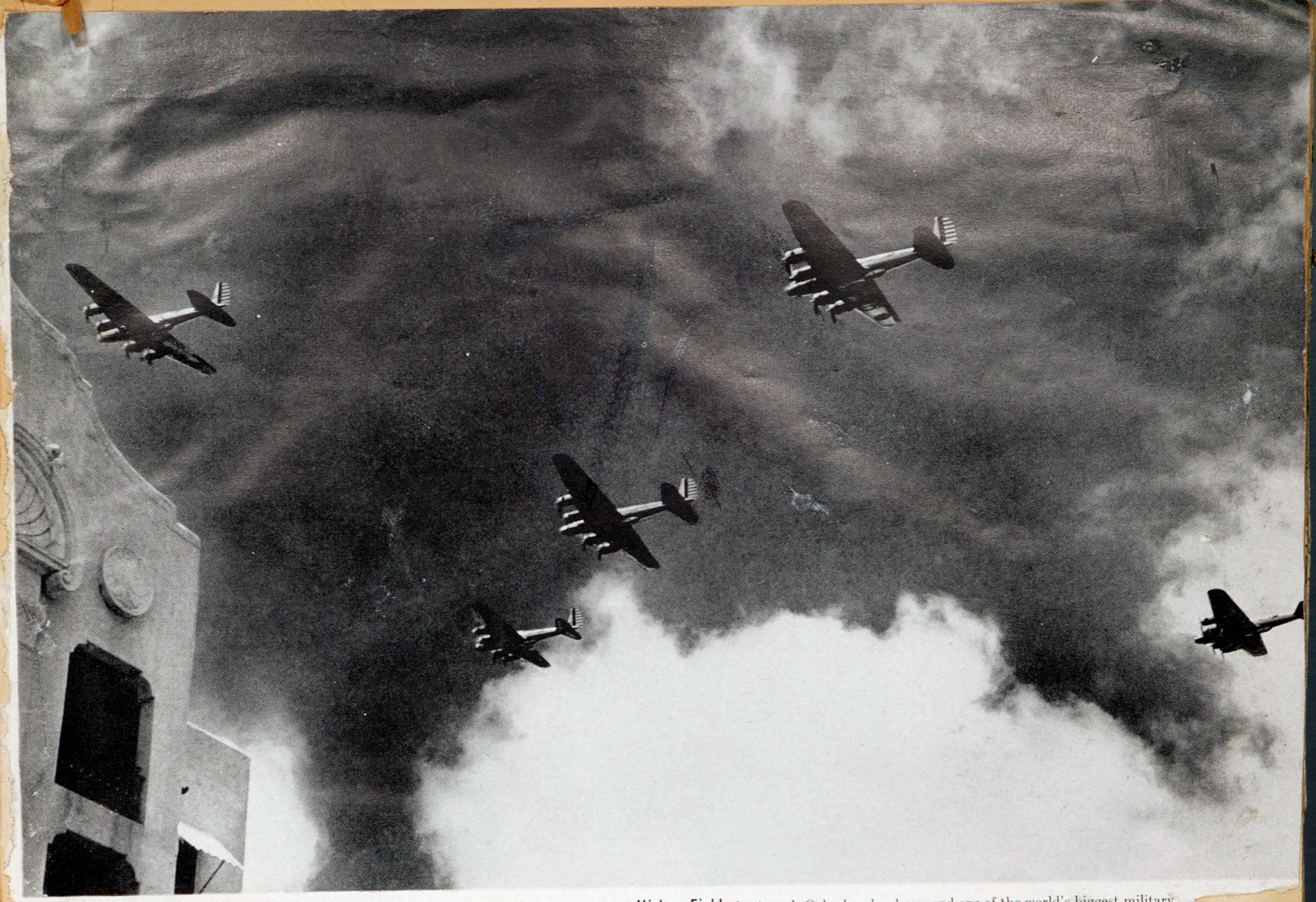

U. S. aircraft rose at once to repel the Japanese attack. Excited civilians saw the sky darken with American fighters engaging Jap squadrons; and with Flying Fortress formations, like the one above, heading out to sea. One Jap carrier was reported sunk.

Hickam Field, the Army's Oahu bomber base, and one of the world's biggest military airdromes, felt the full fury of Japanese attack. An entire section of barracks was destroyed by direct hits. At least 100 U. S. soldiers were killed, hundreds more wounded.

DICTATORS ON RUSSIAN FRONT

SHOULDER-CORDED STAFF OFFICERS HERD MUSSOLINI AND KEITEL, HITLER AND KLUGE PAST RUSSIAN CHURCH



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THE OLD ARMY GAME . . .

THE BOLSHEVIKS got their wish for a Second World War exactly 20 years after their first try at world revolution failed. The Soviets began where they left off, coming back to the old army game with the same set of plays.

Twenty years ago they were invading Poland, hankering after Estonia, Latvia, and Lithuania, and hoping to convert the Finns to Red revolution. Twenty years ago England had settled Germany's hash and was blocking the Bolsheviks in the Baltics. General Edmund Ironside was sending two columns against Leningrad. Winston Churchill was raiding Kronstadt with a half-hearted British flotilla. The British Army and Navy were busy landing war stores for the Baltic states to fight the Bolsheviks at Tallinn.

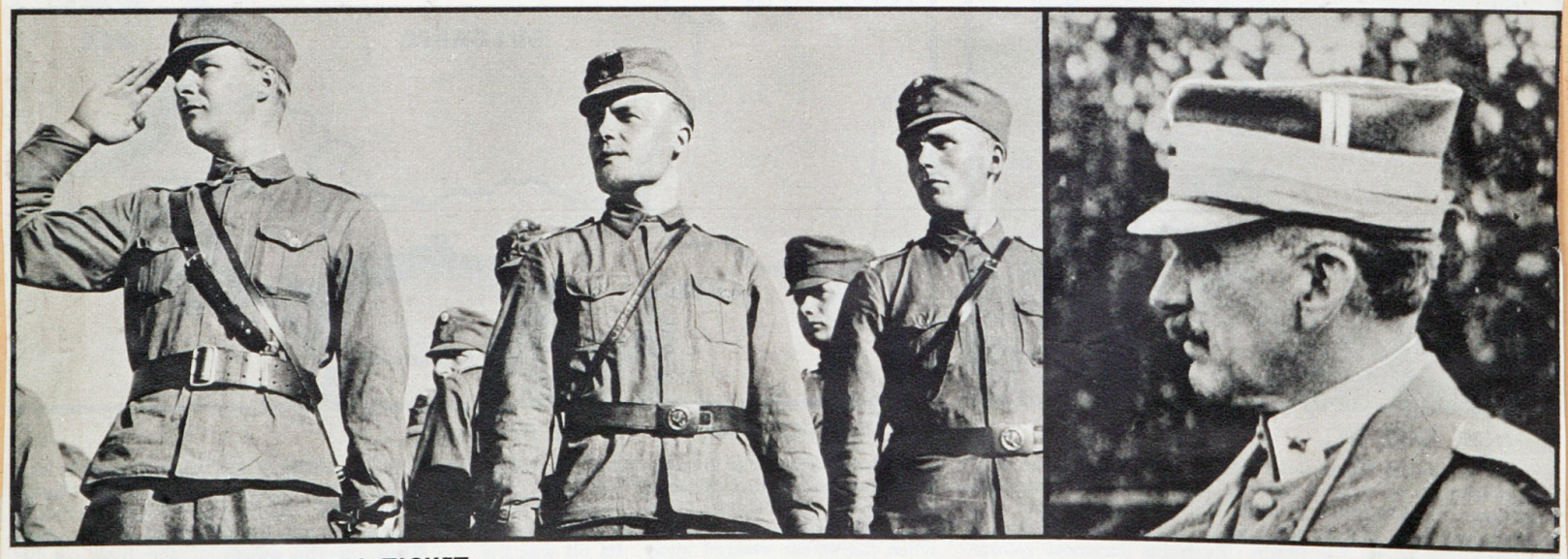
In the days of that other generation the Communists were unable to hold the Baltic flank in the face of Allied intervention. Twenty years later Stalin, by the stroke of a German pen, got back Poland, Latvia, Estonia, and Lithuania. But the Finns, behind new fortifications designed by a British general, refused to bear the Russian yoke, and Stalin waded in. Thus the Russians joined the Second World War.

The Communist revolution had matured too late for good pickings in 1919. However, in 1939 the Bolsheviks were on the field as scavengers before the first German kill had grown cold.



FROM RAGS TO RICHES

In 1919 the ragged Russian troops (above left) were fighting a civil war on three fronts, while regular troops of the British, French, and American armies —with German freebooters—were pressing from without. Then the Communists whipped their state into shape and the Allies withdrew. This time the Russians, equipped with modern arms (above right) looked forward to infecting the world in the midst of a world war with their gospel of communism.



THE STRAIGHT DEMOCRATIC TICKET

In 1919 the Finnish soldiers (above) fought off a Red Terror with a White Terror. In 20 years Finland had taken the road of the Scandinavian democracies. It was a foregone conclusion that these Scandinavian countries, fearful of Germany on their right flank, would not officially operate with the Finns against Hitler's ally, Stalin. But the democracies of Sweden and Norway took a leaf from the book of the dictators in Spain. "Volunteer brigades" under Swedish General Ernst Linder (right) took the field with the Finns, against their common enemy, the Russians. **CONTINUED ON NEXT PAGE**



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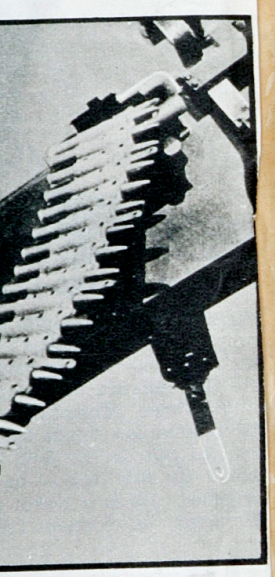

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Spain. "Volunteer brigades"
Ernst Linder (right) took
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A sharpshooter's post on Madrid's "Hindenburg Line," west of the city. What these trenches look like inside is shown on the opposite page. Cut out of high ground, they include gutters to carry off rain water, are buttressed with bricks and doors salvaged from the wreckage of bombed Madrid. During lulls, the Loyalists further improve their posts, visit around, promenade and sometimes study up on military tactics. On April 11, they poured out of these trenches 16,000 strong, left 3,000 in No-Mans-Land.



The siesta has not been interrupted by War. The scene above is at noon, time for a nap. With but one sentry on guard, rifles are left balanced in the sandbag loopholes above the fire step. The siesta is most indispensable to the Spaniard in spring and summer.



Major general from Chungking is Ho Chu-fei, commanding local garrison of Central Government troops. Chiang's honest, able young officers are fast displacing the old, corrupt war lords.



No. 1 Loyalist is the worried man in overalls holding his forage cap—Premier Largo Caballero, Socialist leader of the Government United Front. He is accompanied by militiamen, correspondents, irascible Foreign Minister Julio Alvarez del Vayo (*right*) and one woman.



King took the President up to Argentia Bay, Newfoundland, on the *Augusta* for meeting with Churchill and posed for pictures behind them. The President used King's quarters but brought his own special low bed and bathtub and an elevator to go from deck to deck.

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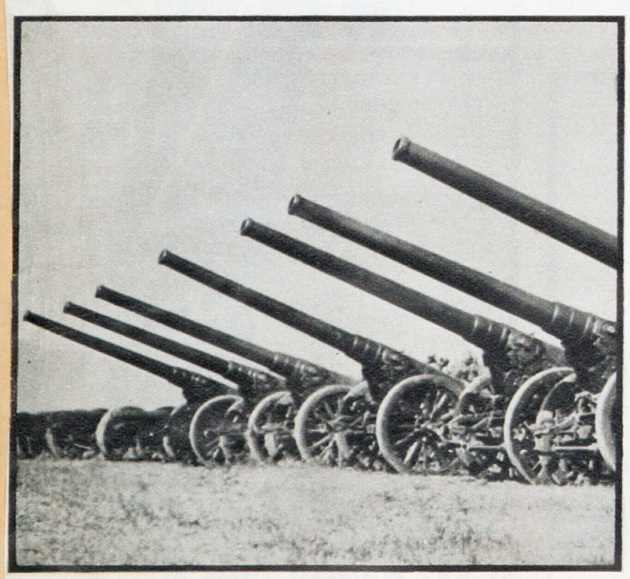
the bastions of the Danube against the might of the Muscovites. Time was when the champion of Christendom was the Emperor of Austria; and indeed the late Franz Joseph of Austria opened the first World War by bombbarding the Serbs, the wards of the Russian Czar.

The present champion of the Balkans is a money-player who is not concerned with Christianity. He is Benito Mussolini, himself the founder of a religion which lists the present occupant of the Kremlin as the Antichrist.



"THE HORSE IS A VAIN THING FOR SAFETY, NOR SHALL HE DELIVER ANYONE BY HIS STRENGTH"

The withering fate which the Polish cavalry met on the plains of Silesia in the German *Blitzkrieg* leaves the Italian horse the last great school of mounted arms in the world. As was the case with the Polish cavalry, this is a corps *d'Elite* of young bloods in boots—a pretty survival of a lost arm in the butchery wrought by the machine gun. Even the horsey British now adjust carburetors instead of stirrup leathers.



"RENDER UNTO CAESAR THAT WHICH IS CAESAR'S"

The Italians possess excellent artillery and good gunners. These played a weighty part in Mr. Chamberlain's refusal to give Stalin a free hand in the Balkans in return for Russian friendship. The English still hope to hire these guns at any fair price. Meanwhile, Stalin seized the Baltic in the confusion of the first war months; but he has not been so hasty in demanding air bases and forts on the lost Russian lands of the Balkans. Above are seven of his numberless reasons . . . .



THEY TWISTED THE BEAR'S TAIL IN SPAIN

Mussolini has seasoned corps of fighting men who are familiar with the modern methods of mechanized attack, ruthless bombing of towns, pursuit fighting, tank maneuvers, and all the horrors of quasi-legal warfare. These men won their experience in Spain, in the Fascist Holy War. There they fought beside the German expeditionary forces, combating the menace of communism. And these two crusaders might have continued their fight against communism had not Hitler invited the enemy into camp. The Duce, however, was ready for this game of military musical chairs. He had arranged a loophole in the Rome-Berlin axis which allowed him to sidestep war against the English fleet on one hand, or partnership with Russia on the other. For the Duce well knows that his troops are money-players—they don't like to buck long odds and that they work best against the Bolsheviks. **CONTINUED ON NEXT PAGE**



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Leaving the secret conference in July: Churchill leads, at his left Admiral King and A. V. Alexander, First Lord of the Admiralty; second row, Ambassador ***Winant****, Admiral Stark, and Admiral Sir Dudley Pound; third row, Harry* ***Hopkins*** *and Vice Admiral Sir Charles J. C. Little of the Royal Navy*



ONE WELL-PLACED TORPEDO will sink most ships. If a 250-ton submarine (Germany also has 500 and 740-ton subs) sinks only one 5,000-ton freighter she has paid for herself many times over. It takes longer and costs far more to replace a freighter than a U-boat.

Field Marshal Rommel (*in cap and rolled socks*) takes a snapshot in the field of one of his guns camouflaged to look like a tent. Unlike most Nazis, Rommel is poor photographer.



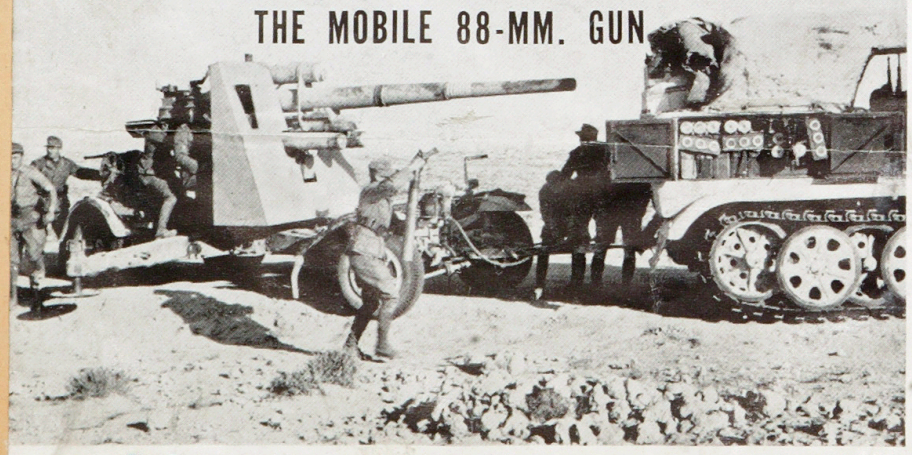


BETWEEN TWO FIRES

The Chinese moved their wartime capital inland to Chungking, a city remote in the gorges of the Yangtze river. But a city cannot be hidden from eagles, and soon the Japanese bombs were raining from the sky. There were 5,000 people killed in this air raid —months before Warsaw felt the blow in the west.

Axis Drive of 1942 (continued)

THE MOBILE 88-MM. GUN



The German gun that overnight became a household word was the mobile 88-mm. (3½ in.), here being unhooked from Mercedes ammunition tractor as crew flaps down side outriggers.

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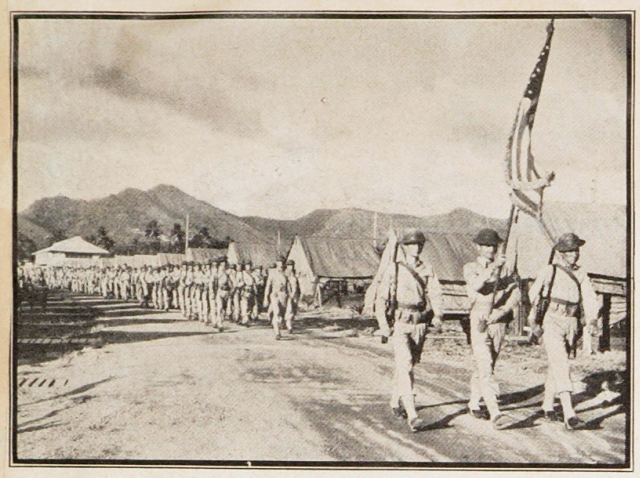
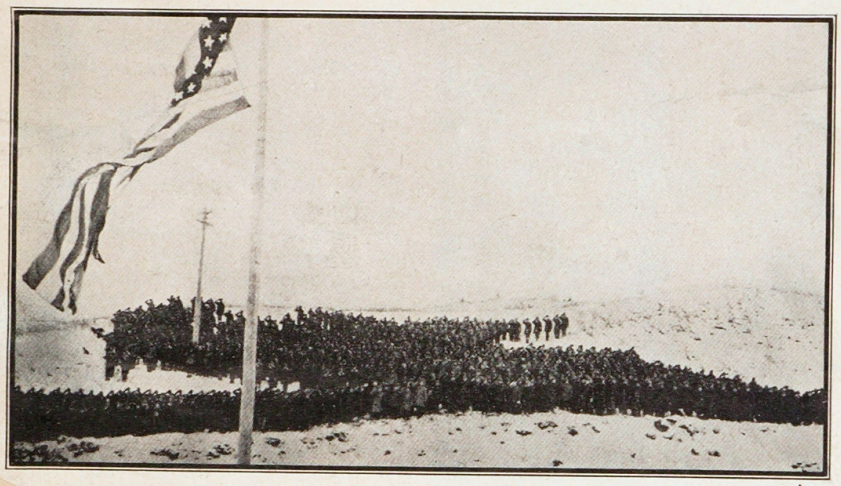




Wide World, International "News of the Day"

On the alert the world over, American soldiers guard Trinidad . . . train as ski troops in Newfoundland . . .



Acme

. . . and watch over the vital bases of Alaska

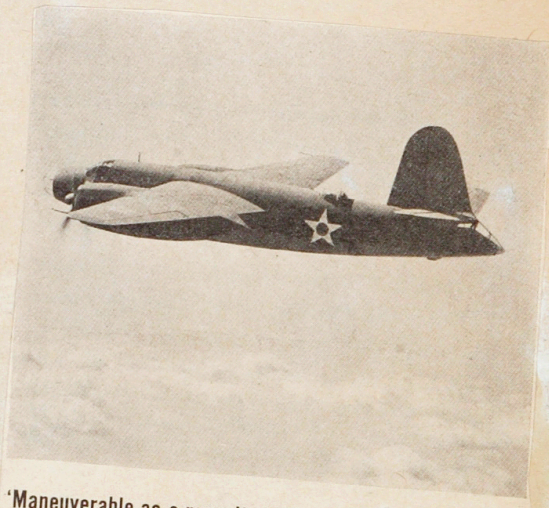


Enright in The Miami Herald

"Hold Them!"



At Menton on the Riviera they fought in summer weather. Except for branches cut off by flying steel, the resort was scarcely damaged. Italians officially announced 806 men killed in this "war."



'Maneuverable as a pursuit ship" say test pilots of the famous "B-26," Army's fastest bomber. These pilots note performance of each new ship—record data on Ediphone cylinders when they come down from "upstairs." Army "Fly-away" pilots wait at Martin plant to fly each bomber to its destination.



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Emperor Wu Temple has been taken over as a troop barracks. Though this is not regarded as sacrilege, the old idols are now neglected and Government unity slogans are posted on its front.



Reported hit and sunk in the mousetrap anchorage of Pearl Harbor was the battleship *West Virginia*, one of the latest battleships built (1921) until 1941 class. It had been refitted last year with pom-pom guns, was well above the standard of the Admiral's flagship, *Pennsylvania*. The 31,800-ton *West Virginia* carried armor up to 18 inches thick, eight 16-in. guns, a crew of 1,500. Like other U. S. battleships, it was slower but mightier than Jap battleships.



Reported hit and burning in Pearl Harbor was the older battleship *Oklahoma* (1914). It is called the first of the "all or nothing" class in armor protection, that is, putting it on heavy or not at all. The *Oklahoma* carries ten 14-in. guns and a crew of about 1,300. Admiral Kimmel's problem now is to avoid a battle with the full Japanese battle line of twelve battleships until he gets reinforcements from the Atlantic. Before the Jap attack the U. S. had 14 modern battleships and three old slow ones. "Our Navy is the best," Admiral Kimmel says, "and it will remain the best." Its job until it gets reunited is to escort merchantmen along the West Coast and across the South Pacific. Not until it assembles superior force can it begin reducing the Jap advance bases in the Mariana and Caroline islands, regaining losses. A tiny loss last week was the capture at Shanghai of the U. S. river gunboat, *Wake*.

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THE UNITED STATES HAS THE BEST GUNS IN THE WORLD . . . *on paper*



THE NEW GARAND SEMI-AUTOMATIC rifle is a vast improvement over the old Springfield. It fires four or five times as many aimed shots a minute, has less recoil to disturb aim. A newly designed boat-tailed bullet doubles the range of this weapon, but it is the Garand's peep sight that enables the doughboy to put his bullets into the target — where they count. Even when planes attack at more than 300 miles an hour, infantrymen no longer need to fling themselves ignominously on their bellies. If equipped with Garands they can shoot it out—with more than an even chance of bagging the planes. But even these rifles are barely in production and the Army will have to wait until 1941 to get the first 400,000 of them.

By GENERAL HUGH S. JOHNSON



GENERAL JOHNSON

EUROPE'S fighting planes are literally handcuffed in this war, spending most of their time in hangars. This phenomenon is due largely to two unprecedented developments in recent air warfare. They are:

1. The evolution (mainly British) of the airplane detector.

2. "Controlled fire" from land batteries (American developed).

Jointly they have accounted for most of the planes brought down in this war. Which means that *our* gun designers make possible Europe's antiaircraft successes. Both our antiaircraft artillery and our machine guns are marvelous in effectiveness.

Our army leads the world in engineering and design of such weapons. We have the blueprints. But we haven't the guns! What we need is the producing genius of American industry—which is ours for the asking.



INFANTRYMEN WERE UNABLE TO DO MUCH with the hedge-hopper—that low flying plane that could get atop an infantry column in the twinkling of an eye, spray it with bullets or drop explosives before the men knew an enemy was near. The anemic defense was to scatter as above, make as difficult targets as possible for the attacking aerial gunners, while waiting for machine-gun crews to set up their cumbrous weapons. Although the old Springfield was the best bolt-action rifle in the world, it didn't provide the answer. But today's doughboy — using the new Garand rifle—can make it hot for the hedge-hopper. The next most important weapon is the new 30-caliber machine gun. It fires 500 rounds a minute, but it won't pierce the armor of a tank. For that chore the Army has designed the 50-caliber machine gun which shells out 400 rounds a minute. The 3-inch antiaircraft gun is the standard of our theoretical air defense. It fires a 13-pound explosive shell six miles into the air. Between 25 and 30 shots can be accurately fired every minute. Mounted on a motorized unit that can go anywhere at high speed, it can get into action in a few minutes. But we need a thousand times as many of them as we have on hand.



Antitank rifle was cheerfully
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H S. JOHNSON

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NAZI ANTITANK GUNS



Antitank rifle was cheerfully stolen from Poles by Germans in 1939. Firing at 4,000 ft. a sec-
ond, it can put a hole through 1-in. armor of light tanks and knock off big tanks' eyeports.

Backing Him Up!



30cm x 40cm

Five Minds With But a Single Thought



© N. Y. Tribune, Inc.

"Some of His Own Medicine"



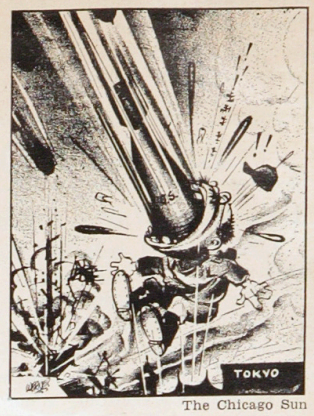
The N. Y. World Telegram

"A Dose of His Own Medicine"



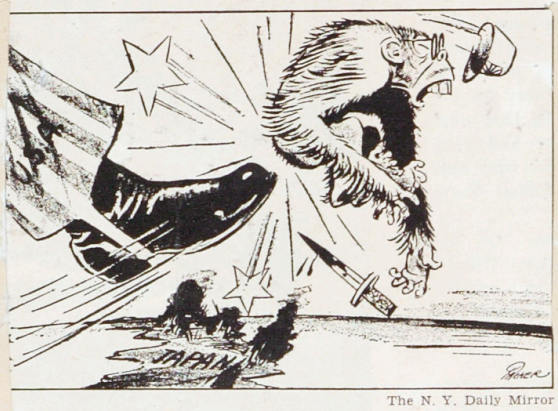
The N. Y. Sun

"A Taste of His Own Medicine"



The Chicago Sun

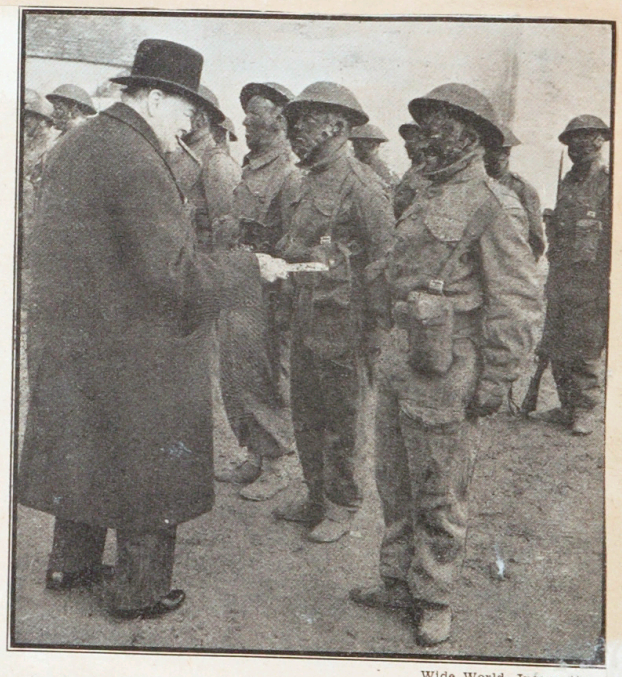
"A Dose of His Own Medicine!"



The N. Y. Daily Mirror

"A Dose of His Own Medicine!"





Wide World, International

Threats to Hitler: Marshall reviewed American troops in Ireland and Churchill inspected Commandos



Wounded Russian tank officer tells Correspondent Michie how he was injured. The Iranian Army fought fiercely against their ancient Russian enemies from the Caucasus.



Red soldiers parked armored cars outside headquarters of Russian Army at Kazvin. After this picture was taken, the Russians tried unsuccessfully to confiscate Rodger's films.



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His flagship is the heavy cruiser *Augusta*, h
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Chicago Sun
Medicine!"



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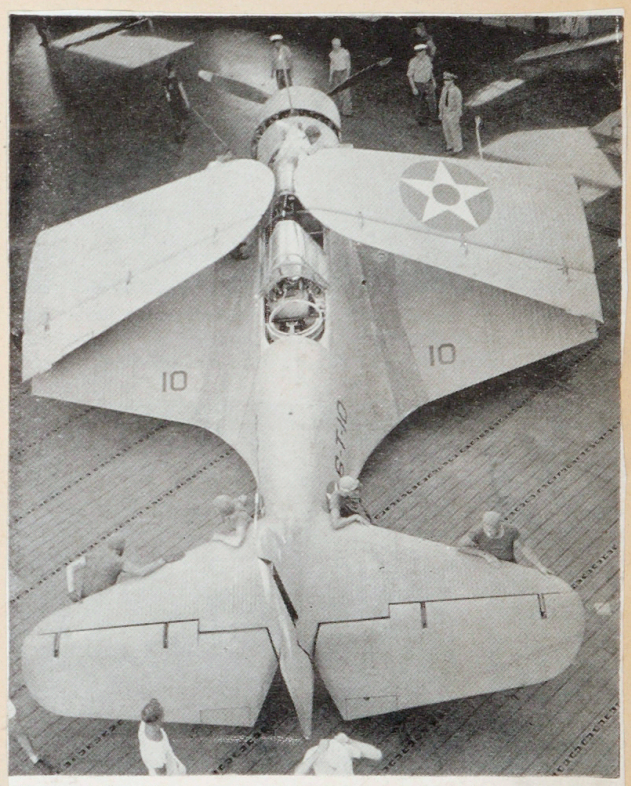
In his special seat on the flag bridge, where no one but he may sit, Admiral King watches target practice. He has cotton in his ears against the big guns' roar. On his breast he wears his flier's wings and decorations including the Navy Cross and the Distinguished Service Medal.

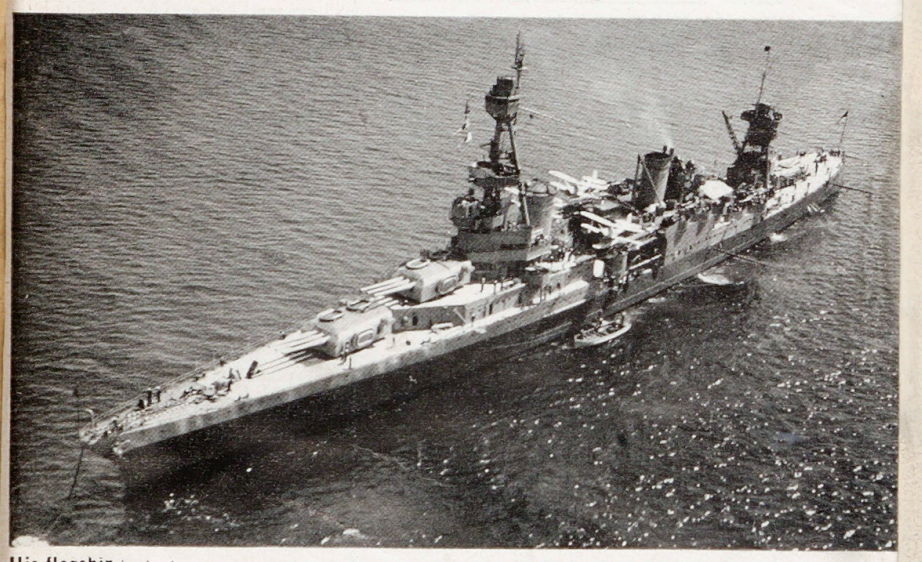


Europe

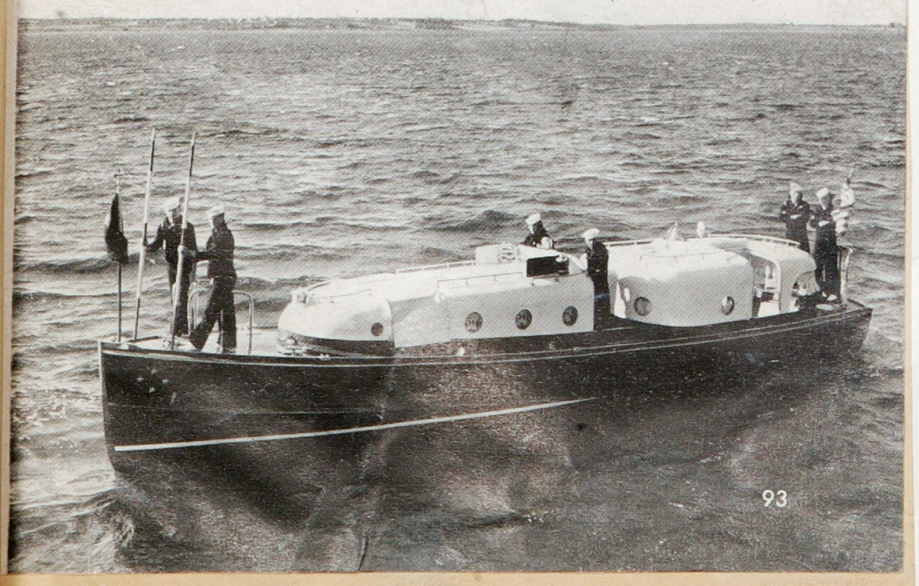
Threatened India has 1,500,000 trained men to resist invasion



Wings are folded to make this heavy torpedo bomber fit into the elevator. Planes on carriers used to be painted bright silver, are now dull gray.



His flagship is the heavy cruiser *Augusta*, headquarters of the Atlantic Fleet. Below: an Admiral's barge is his pride. It takes the full time of a crew of six to polish its brightwork, braid its tassels, keep it in shape. The four stars on the bow are taken off and regilded every four months.





The "Eggfried Line" takes shape in London with no "poachers" allowed. Next to it is the "Imaginot [Imagine-not] Line." Stuck in the sandbags are an umbrella and bowler hat, with the word "Munich" inscribed on it, to symbolize the determination of these men not to give in to Hitler. One pun-loving druggist has posted a sign: "Bismuth as usual during altercations."

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30cm x 40cm

Hidden seaplane bases like this fringe the mangrove-tangled coasts of east and west Borneo and west Celebes. Channel is cut at angle so that Jap ships cannot look in. To Jap planes, it would look like fisherman's landing. Mangrove is impenetrable to land attack.

New Java roads were planned and laid in curving, branching patterns, so that Dutch could set ambushes. Here Dutch have let Jap bicyclists and tanks penetrate lines, then opened fire and rushed up anti-tank gun and armored car. Felled trees keep tanks to road.



Salvage dump, from which Finns pic
"102 guns, 43 tanks, 10 armored ca



The debris of war. Finnish trucks (*b*
ammunition. Notice that pursuing F



Russian prisoners, bewildered by ca
They fought stubbornly and brave

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Salvage dump, from which Finns picked choice bits. Captured at Second Battle of Suomussalmi were: "102 guns, 43 tanks, 10 armored cars, 20 tractors, 278 cars, 16 anti-tank guns and 47 field kitchens."



Like catafalques stalled on the road, these artillery tractors look monstrous because of the black tarpaulin covers under which ride the gun crews. Russians died running for cover.



The debris of war. Finnish trucks (*background*) are preparing to haul off Russian guns, limbers and ammunition. Notice that pursuing Finns threw everything off the road to get columns through fast.



White Finns vanish into snow they fight over. They slipped silently and invisibly around the Russian division at Suomussalmi, taking Indian-like advantage of the evergreen cover.



Russian prisoners, bewildered by catastrophe. Most were Ukrainians, Tatars, Kurds and Bashkirs. They fought stubbornly and bravely. Their colonel, one Vinogradoff, disappeared the second day.



CONTINUED ON NEXT PAGE

Russian linesman of the signal corps got tangled in his own telephone wire as a Finn began potting at him. He tried to run, fell wounded and froze in this attitude of desperation.

30cm x 40cm

DUTCH IN INDIES CAN OUTWIT JAPS

When, as and if Singapore falls, any British who escape will make their way to the Netherlands Indies. There they will find a fighting ally fully as tough and cunning as the common enemy. The Dutch were in position for war a week before Dec. 7. On Dec. 8 a Dutch submarine off the coast of Malaya shadowed and sank four Japanese transports. Yet Japan did not declare a state of war with the Dutch until Jan. 11.

How the Dutch in the Indies have prepared to fight is indicated in the drawings on these pages. Now under the command of British General Wavell and U. S. Admiral Hart, both stationed in Java, the Dutch have perfected the winning tactics of concealment, maneuver and surprise to a fine point. But, above all, they know how to fight. When a great Japanese flotilla attacked Tarakan off northeastern Borneo, a small Dutch delaying force fought off the Japs for two days, and left only "charred oil plants and wells and dead Dutchmen." Typically, their gun batteries apparently remained silent until the overconfident Jap ships sailed right up to them. Then the Dutch guns sank two destroyers and a sloop.

Similarly, Dutch air bases are cunningly protected (*below*) and advance bomber bases are concealed under the Japs' very noses (*far right*). Dutch policy is not to hold a "line" but to let the enemy in, as the Russians did the Germans, then to ambush him. Meanwhile, the Dutch have ferreted out and destroyed what were believed to be Jap "secret" advance bases in the Dutch islands.

Dutchmen in Java now say that quick reinforcement of the Far East could clean up Japan and isolate Hitler, whereas the policy of "concentrating on Hitler" surrenders half the world, perhaps all of it.



DUTCH DEMOLITION EXPERTS ON TARAKAN OFF BORNEO BLOW UP OIL WELLS BEFORE JAPANESE ARRIVE

Dutch airfields, concentrated on main Dutch island of Java, expect to see Jap parachutists. Here, where parachutists always try to land, near cover on edge of field, Dutch have planted 10-ft. fire-hardened and sharpened bamboo stakes to spit the falling Japs. This area is waste space on any airfield, since planes taking off have already begun to rise to clear high surrounding jungle. Pillboxes on higher ground among trees sweep field with fire. Anti-aircraft at upper right picks off Japs. Dutch planes on the field might be dummies placed to block landing Japs.





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FROM LEFT, ITALIAN CHIEF OF S



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P OIL WELLS BEFORE JAPANESE ARRIVE

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HITLER, FIELD MARSHAL VON KLUGE AND MUSSOLINI EMERGE FROM RUSSIAN CITADEL USED FOR A LAST STAND

ROM LEFT, ITALIAN CHIEF OF STAFF CAVALLERO, DICTATORS, GERMAN CHIEF OF STAFF KEITEL, GENERAL JODL





THROWN FOR A LOSS

Japan has poured her blood and treasure into China without reaching a decision. The immensity of China, its resiliency, its stubborness, have found peasants armed with pitchforks draining the resources of men like these cap-a-pie sergeants of Nippon hurling hand grenades.

30cm x 40cm



"WE WENT WITH THE TANKS IN THIS ATTACK, FALLING FLAT AS A SHELL BURST, THE METAL ZIFFING AND THE DIRT CLODS LOBBING OVER."



"THEY CAME GRINDING AND CLANKING, SUDDENLY TO RISE LIKE SHIPS ON A WAVE, HANGING A MOMENT IN MECHANICAL BALANCE ON THE RIDGE."



"THEY GO FORWARD IN THE ULTIMATE LONELINESS OF WHAT IS KNOWN AS CONTACT." (INFANTRY FIGHTING FOR THE MADRID-VALENCIA ROAD.—ED.)



"THE CLOSE ONES HAVE A ZIPPING WHISPER AND THE REALLY CLOSE ONES CRACK." (REBELS ON HILLS, LOYALISTS ADVANCING TO RIGHT.—ED.)



"SOMETIMES ONE PITCHES FORWARD ON HIS OWN LOADED STRETCHER." (AT BRIHUEGA, WHERE THE LOYALISTS ROUTED THE ITALIAN DIVISIONS.—ED.)



"THE COUNTERATTACK HAS BEEN SUCCESSFUL." (DEAD ITALIANS LYING IN BRUSH AFTER THE ITALIAN DEFEAT AT BRIHUEGA IN MARCH.—ED.)

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Eric Calcraft *ph*
of Russian divisi

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So superb was Calcraft's w
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"These photographs are
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ON THE RIDGE."

: REALLY CLOSE
TO RIGHT.—ED.)

ITALIANS LYING
IN MARCH.—ED.)

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SECOND BATTLE OF SUOMUSSALMI

Eric Calcraft photographs destruction of Russian division in whitest Finland

Last week there arrived in the U.S. the extraordinary pictures of the Finnish war you see on these pages. They were taken by Eric Calcraft, crack English press photographer who got his baptism of fire in Poland and went on to cover the war in Finland. Here his camera records the destruction of the 44th Russian Division at the Second Battle of Suomussalmi (Jan. 1-7).

So superb was Calcraft's work on the battlefield of Suomussalmi that the New York *Herald Tribune* was inspired to editorialize as follows:

"These photographs are great pictures and terrible ones. Goya, perhaps, could have drawn them; but Goya would have been too angry. Here there is nothing—nothing but death, calm, cold as the snow powdering down on the Finnish forests, final and futile. Those frozen, uplifted hands, those stiff-crooked knees, those lifeless faces, with snow sifting gently over them, and behind them the dead machines, the tanks and big guns, monstrous, horrible and stranded—these are the portraits of the dead. . . .

"These were living men not long ago. A dictator chose to play imperialist politics, a staff miscalculated, a general blundered, and they are forever dead and forever lost. . . . But the tragedy in these photographs is the utter senselessness of the scene, the fantastic irony of these lifeless weapons standing silent above their lifeless men. That is death; and that is war."



Like Braddock's defeat by the French and Indians in the American wilderness, the fate of these excellent 8-ton Russian tanks was due to the fact that they were not suited to forest fighting far from home.



To the rescue come volunteer Swedish reservists in the Swedish Army winter uniform, descendants of the invincible winter armies of 17th Century General Gustavus Adolphus. They use their own superb rifle.



This Russian field gun was nearly useless in the forest fighting. Finns have elevated the long barrel to clear the road. This is two days after the battle.



Stone-stiff corpse of a Russian artillery lieutenant is lifted from snow by Finns beside his howitzer, which never got into position to fight before it was captured. "We couldn't see the Finns," complained prisoners.

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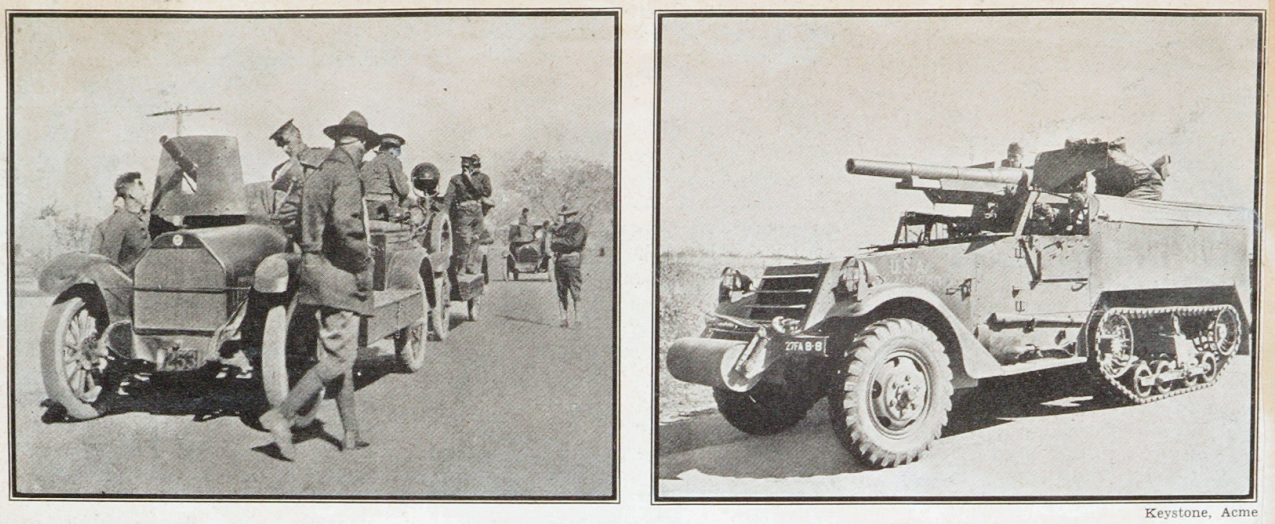

Keystone, Acme

Fire-power evolution: An eight-man machine-gun car of the last war makes way for an armored car carrying a 75



British Combine

Ack-ack punctures: A British bomber on its return from raiding the Reich



The cold closed remorselessly on the
dared not rise to keep their blood s



Propaganda was the standard equipmen
munist pamphlets like this would rou



Young Finn soldier in his white cloa
bayonet in scabbard, a pistol in fine
years old, he is smoking a Russian-

30cm x 40cm



The cold closed remorselessly on these two Russians in their two-man rifle pit and killed them. They dared not rise to keep their blood stirring. Now snow has drifted deep in the helmet at lower right.



The red star gleams from the fuselage of a Russian bomber, shot down by anti-aircraft fire and broken in two as it hit the trees. The Finn at the left is under the elevator fin.



Propaganda was the standard equipment of the invading Russian Army in the sincere belief that Communist pamphlets like this would rouse the "Finnish proletariat" against their "Fascist butchers."



This bear put himself away in November for a good winter's sleep. Suddenly he found a war raging around him. Still stupefied and sleepy, he rises and looks for peace and quiet.



ung Finn soldier in his white cloak and hood carries a Russian-type rifle, an old-fashioned needle yonet in scabbard, a pistol in fine leather holster and German-type cartridge pouches. About 16 rs old, he is smoking a Russian-type cigaret. He fought in the Second Battle of Suomussalmi.


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Pretty Finn, 19 years old, undismayed by war, works as a Lotta girl (as emblazoned on her collar) evacuating people in the far north. Some of her comrades in this area worked so close behind the fighting units that three were killed in action, posthumously decorated.

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30cm x 40cm



Wounded Commando, shot in the leg, is helped toward armored beetle boat specifically assigned to pick up the few men wounded in the brief fighting on Mälöy Island. This boat has a helmsman's tower with eye slits, armored bow and a winch in stern. It holds about 50 crouching men and is safe against machine-gun fire but nothing heavier.



On way home, beetle boat heads toward two destroyers that convoyed Commandos' troopships. Soon afterward, German mobile artillery opened up from mainland in the background, was silenced by cruiser's guns. Below: a dead German is left behind after all papers have been removed from his pockets for study by British intelligence officers.



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Guerrill

. . to Harass the Japs Behind Their Lines



Triang

. . . and go into action in the field after a pep talk from a political leader

How China's Fighters Are Trained . .





Guerrilla school: Raw recruits from all over China . . . learn to march in columns . . .



Triangle photos

. . . take an intensive course in marksmanship on the ranges of the school . . .

30cm x 40cm



British and Russian troops meet for first time in war on Iranian road. Unable to converse, soldiers exchange cigarets, compare equipment, feel each other's uniforms, attempt sign language.



Red Army lieutenant fires Very signal pistol to advise troops in the rear that he is returning. The armored car is heavy Ford four-man six-wheeler carrying cannon and two machine guns.



House-to-house, the Commandos move ahead in groups. Here a corporal with a tommy gun tries to find out where the Germans are hiding. All three men carry bagloads of grenades. Below: a wounded Briton grits his teeth as a graze wound is dressed under the eye of his sergeant (*right*). All his equipment is spread out on the blanketed stretcher.

Commando Raid (continued)



The Commandos advance through the village of South Vågsöy, surrounding, mopping up and burning houses where Germans lie in ambush. Method is usually to try to get one man across open space to the wall of the house. He tosses grenades in windows under covering fire of comrades. This usually brings surviving Germans out in open.

30cm x 40cm

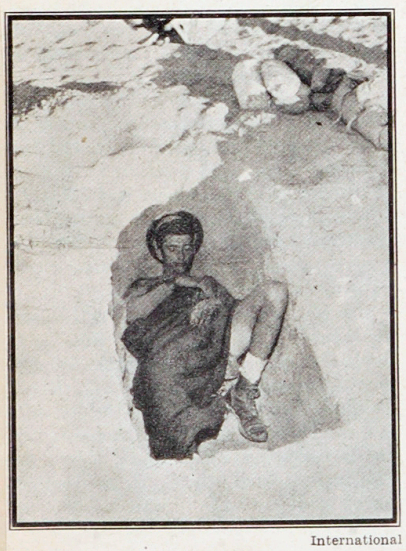
Battle of Egypt: Allied Forces Operate in Wide Open Desert Spaces . . .



European

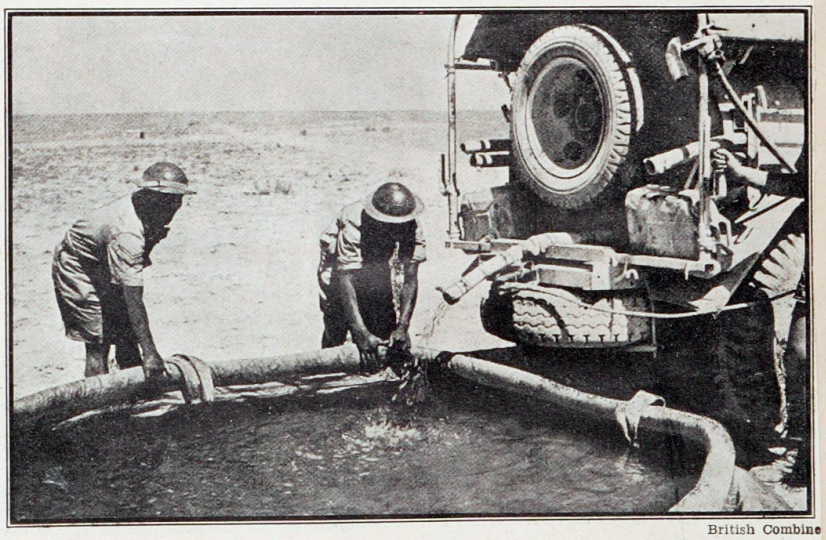
From somewhere in the desert, this Italian soldier reached an Australian outpost and surrendered

. . . Where Heat Is Torrid, Water Scarce, and Landscapes Are Weird



International

A slit trench makes a sandy bed



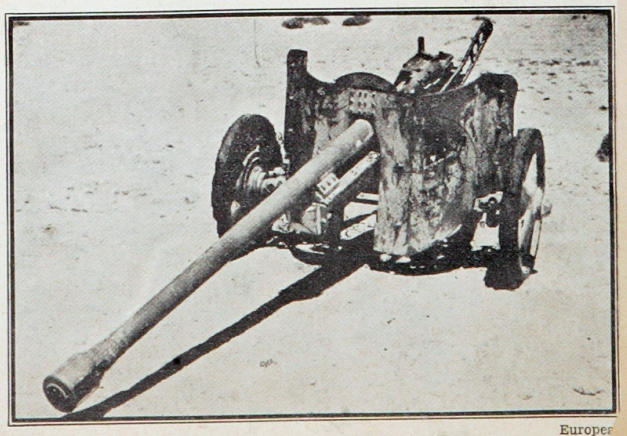
British Combine

Huge canvas bags hold front-line water supplies, 1 gallon per man per day



Acme Radiophoto

Constant watch is kept on the Qattara Depression



Europe

A captured German high-velocity antitank gun

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30cm x 40cm



Key to victory is not tanks or planes or guns alone, but climactically the individual storm trooper. This extraordinary picture shows a German squad rushing a fortified bunker over a mound in Belgium. Their chief weapon is the hand grenade with which they blind the bunker by making its occupants close its steel ports. Their great protective weapon is smoke, laid down by mortars behind them. They carry light spades to dig shallow little holes where they can and must. These little teams of men, agile, cunning, trained to work together, do most of the jobs that mean victory. But they can be stopped by fully supported infantry defense. French realization of that fact has taught the French to bring their own men out of the pillboxes and put them in the field, to dodge and harass the German tanks and try to stop these men with men and guns. The pillbox above cannot see the men, but the men know where the pillbox is, even in smoke, for it is a fixed point and cannot run. In such an encounter, the pillbox must lose

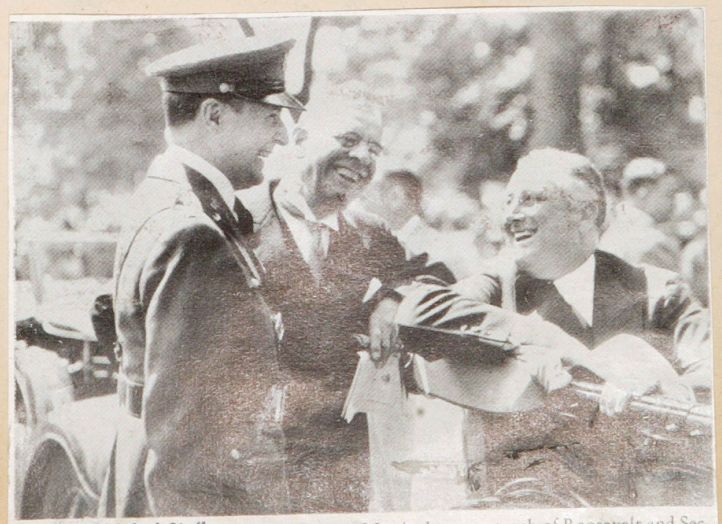


Some 175 planes are ready to defend the Hawaiian Islands against an attacking enemy. There are pursuit planes to fight the enemy's planes, observation planes to spot his fleet, and bombing planes to bomb it. Above are two squadrons of attack planes, with aerial poles and standard, three-blade propellers, at Wheeler Field on Honolulu's Oahu Island.



Pix

Gloom in France: Concentration camps are the fate of Laval's enemies



As Army Chief of Staff from 1930 to 1935, MacArthur saw much of Roosevelt and Secretary of War Dern *(above)*. "It is undefended riches which provoke war," he warned.

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In Waterloo Station, London terminus for transatlantic boat trains and suburban traffic, civilians keep on reading and talking without showing the slightest interest in the soldier (*center*) who is placing his equipment among the helmets, gas masks, knapsacks, duffel bags and rifles of his company which will soon entrain. It is a wartime axiom that nations allow those scenes of which they are most proud to pass the photograph censor. So far British pictures, on the other hand, like those on these pages, deal chiefly with the "home front" and show the ability of British civilians to take war stoically and with humor. German pictures show the "war front" and reflect Germany's pride in its armed might.



Newlyweds are showered with confetti as they emerge from sandbag-protected Islington register office. The groom, on special leave to get married, wore his helmet and carried his gas mask. The bride carried hers in a box.



Holidaymakers at a beach resort in Devonshire wore gas masks and shoveled sand into bags between dips in the ocean. Now that England has settled down to war, weekends are more normal. Golf courses and movie houses are crowded. Football matches have been put under Government regulation.



For style this girl covered her gas-mask container with the same plaid cloth as her jacket. Stores are selling special heavy trousers for men and one-piece suits for women to be worn when in air-raid shelters.



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RUSSIA'S ARMED STRENGTH
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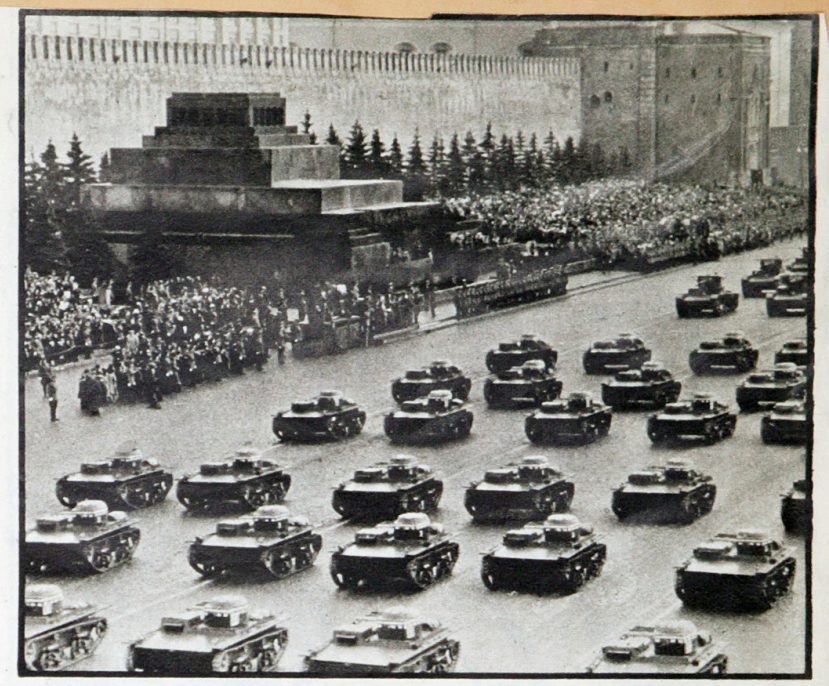
RUSSIA HAS 6,000 WAR PLANES—again on paper—but her war against Finland to date has indicated that the trick of parachuting regiments of men to earth behind enemy lines isn't so successful in war as during maneuvers. Particularly is this true in such an unfavorable region and climate as Arctic Finland—and Norway and Sweden—afford. Blizzards, clouds and lack of daylight make bombing, observation and all aerial warfare difficult in winter. Swampy tundra, lakes, forests—an unmarked wilderness—don't make the task easier in summertime.



RUSSIA'S TANK CORPS is listed at 3,000. Summer operations in the tundra country would be ridiculous for these machines. Winter, when marshes and lakes are frozen hard, offers tanks their best opportunity. But what reports we have from Finland indicate that, on the Karelian isthmus at least, her tanks are vulnerable to antitank fire. Here the Scandinavians enter the picture again: Finland's antitank guns are of Swedish make. The Swedes have a capacity for military production that no Muscovite ever dreamed of.

CONTINUED ON NEXT PAGE



RUSSIA'S ARMED STRENGTH is anybody's guess—even on paper. Adding reserves to her standing army, she is assumed to be able to mobilize 1,300,000 men in 60 days, or 2,000,000 in 90. A fantastic figure of 14,000,000 trained soldiers is often mentioned but it is almost certain that Russia has no equipment or leadership for an efficient army of more than 2,500,000. Compared to this Finland's maximum of 470,000 is a mere handful. Nor do Sweden's 625,000 and Norway's 135,000 add up to an impressive total. Of course, 2½ million Russian soldiers sounds overwhelming—but the catch lies in lack of leadership. Confidential information that has come to me is that the liquidation recently of practically every educated soldier in Russia, the re-establishment of political control of the army, and the disorganization that went with these things, has made Russia's army "a handful of mush." But, no matter how many soldiers she can mobilize, only a fraction of Russia's army can ever be turned against Finland and the Scandinavian nations —for the reasons pictured on the map at the right.

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Walking wounded climb up the destroyer gangplank onto British soil. Three wounded here have arm wounds. (Body wounds are always in a minority.) The man in the lead smoking a cigaret is labeled with red tape of war as a "severe" case, plus date and nature of wound, date of treatment, regiment and battalion. Apparent here is one of the reasons why wars are fought by young men. For middle-aged and unfit men could not walk about immediately after the shock and exhaustion of being wounded as these men have been.



The less seriously wounded walking down the tracks of an English port opposite Dunkerque all wear the customary casualty tags. Man at left smoking cigaret was a member of a Bren machine-gun squad, still carries Bren ammunition pouches on his chest. Within a month nearly all these wounded saved from the battle of Flanders will be ready for action. Modern medical science turns in routine miracles by getting the wounded early, controlling them continuously, speeding recovery by constant scientific treatment.

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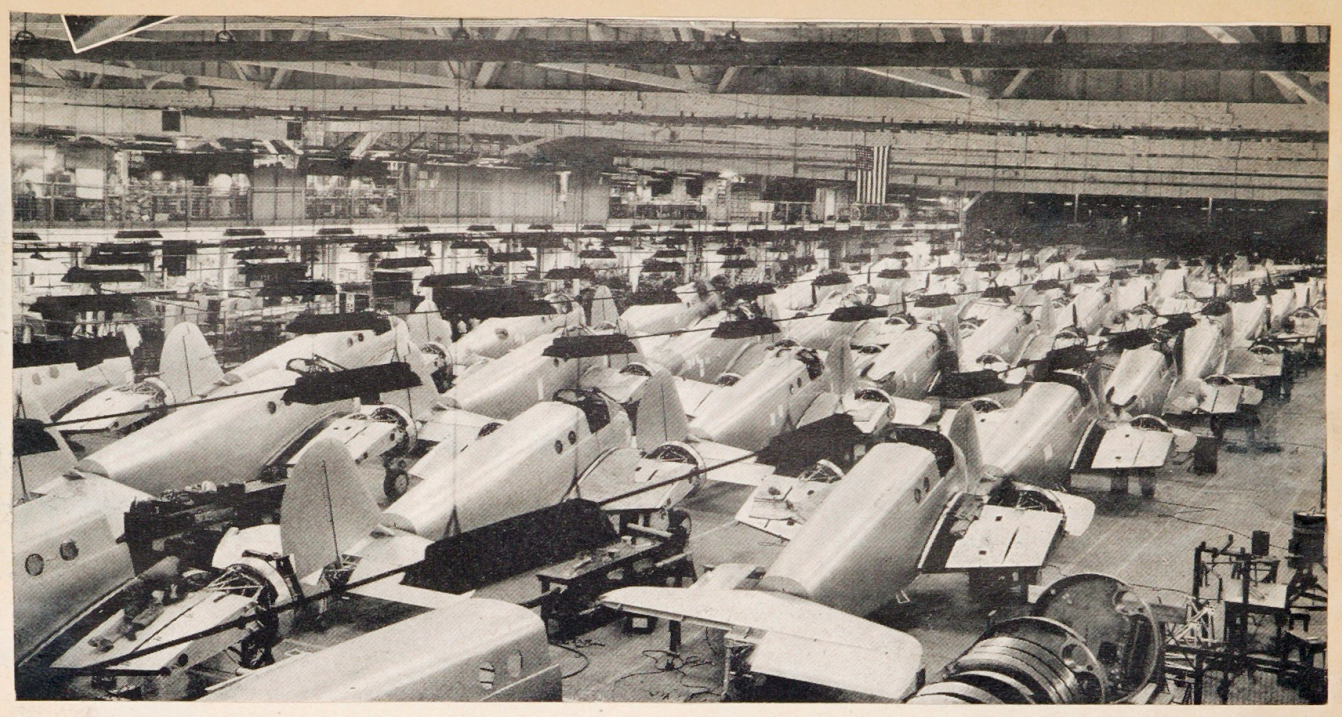

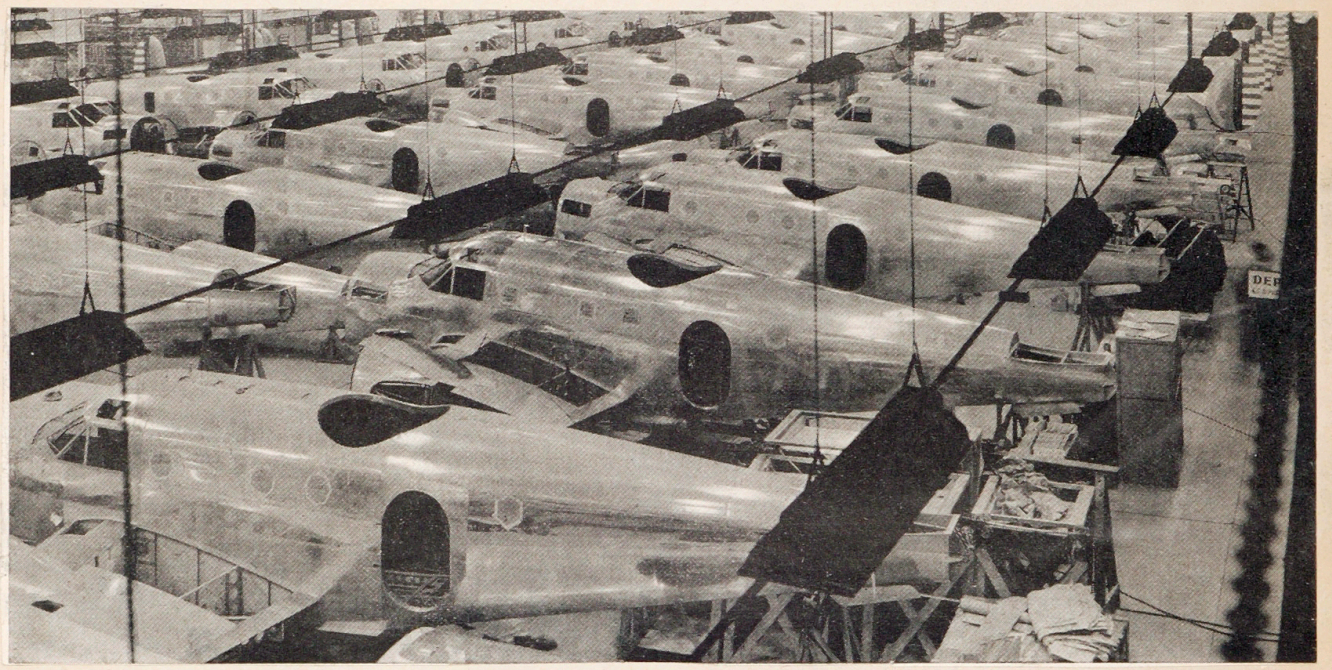



After "Victory of Anacostia Flats" when he evicted the Bonus Army from Washington in 1932, he drank coffee with tired troops.



Appointed Field Marshal of the Philippine Army in 1936, his job was to revamp, modernize and enlarge the native army. Here he reviews some Filipino troops in ceremony at Manila.

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The burial of Hitler occurs outside a fire-brigade station in London. Auxiliary Fire Service volunteers announce that the "cur's body is in the bag." To help win the war they have recruited the services of "Popeye," who appears on the wall (*left*) with an A.F.S. emblem on his uniform and his arm muscles bulging with strength. In the changeover from peace to war the price of bicycles is up, chess has become very popular, weddings are five times their normal number, some lingerie factories are making only sandbags, and the reading room of the British Museum has been re-opened on Mondays to visitors with gas masks. The current best-sellers in London are *The Grapes of Wrath* and Hitler's *Mein Kampf*.



Safe on English soil, the exhausted, footsore men of the British Expeditionary Force flop on the ground and fall fast asleep. Some went to sleep standing up on the docks and train, and few bothered to take off their muddy battle dress. When they woke up their universal comment was: "Just let us get back over there and have another go at them."



THE RUSSIANS ARE NOT
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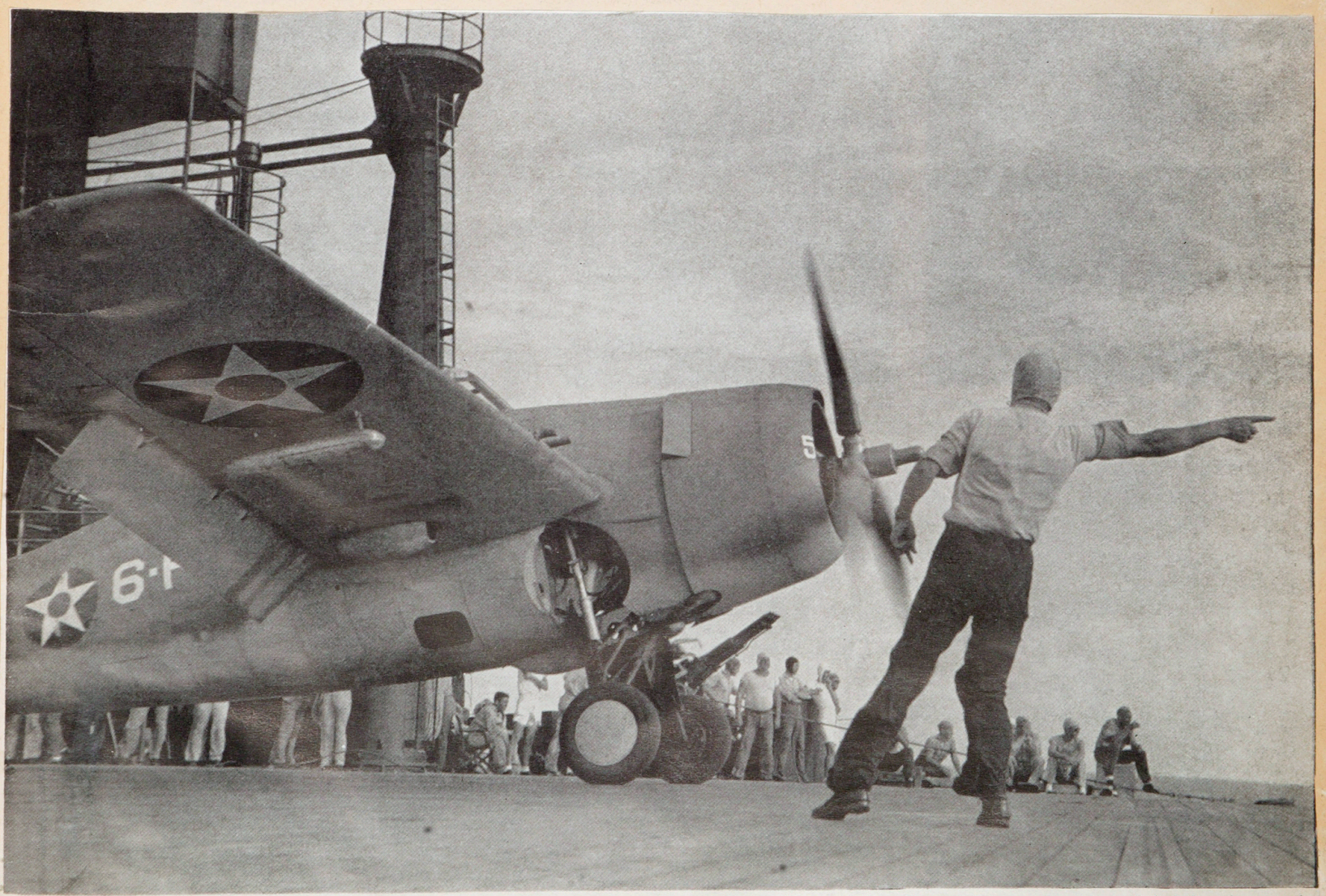
CAN THE SCANDINAVIANS STOP RUSSIA? . . . *continued*



THE RUSSIANS ARE NOT an Arctic people. Fighting (as these Soviet soldiers must) in continuous polar night—or in continuous polar daylight—must be as baffling, as incredible, as impossible, to them as it would be to us. But to the Finns, the Swedes and Norwegians, these are the normal conditions of life. The American Indians were no finer masters of camouflage, no better at taking advantage of terrain, than are these Arctic fighters.



Plane director signals fighter pilot to taxi toward stern after landing on bow. Landing on a carrier is even tougher than taking off. Landings are made at 65 knots. Carrier heads into wind at such speed that the speed of the ship plus speed of wind must equal 28 knots. Result is that, as plane comes in it is making 37 knots more than wind running over the carrier. Because pilots cannot see the carrier's deck as they come in, they take their landing orders from the signal officer (*white spot below*) who transmits orders by brandishing two paddles.

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Who killed these civilians? Germany released this picture of "a Polish atrocity," supposedly showing Germans in Bromberg massacred by Poles. They are really dead but who they were or who killed them is for the present anybody's guess. They may have been Poles executed for sniping at the German Army or they may have been Germans executed for sniping at the Polish Army. Whoever they were, they are now the stuff that propaganda is made of, the "proof" of some atrocity story.



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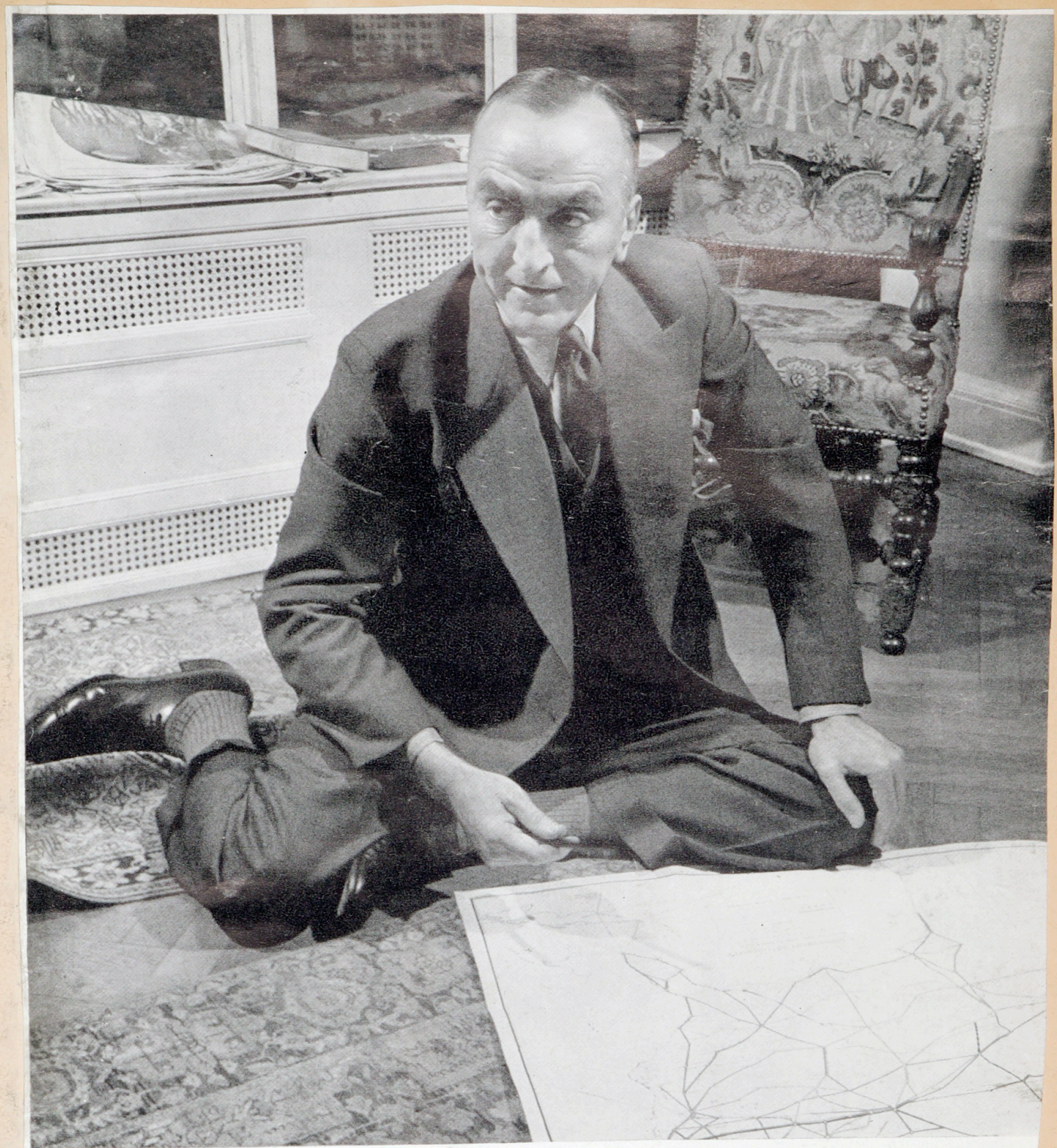

As the head of Eastern Air Lines, second largest in U. S., he is indefatigable at mapping out new routes for expansion, supervising 164 pilots, 1,200 employes and a $5,500,000-a-year business. That is "Captain Eddie" today. Yesterday's Eddie was the hero who inspired the headlines, cartoons, dinners, U. S. and French citations and the medals which border these pages. His squadron's emblem was the famous "Hat-in-the-Ring" *(above, right)*.



Hardest work that Rickenbacker ever did, he says, was to be a hero. Half a dozen cities claimed him as native son. Los Angeles hailed him in 1919 in plane of flowers.



For relaxation "Captain Eddie" likes best to be with his two sons, whom he is taking on a three-week cruise to Norway this summer. David *(left)* is 14, Billy is 11.

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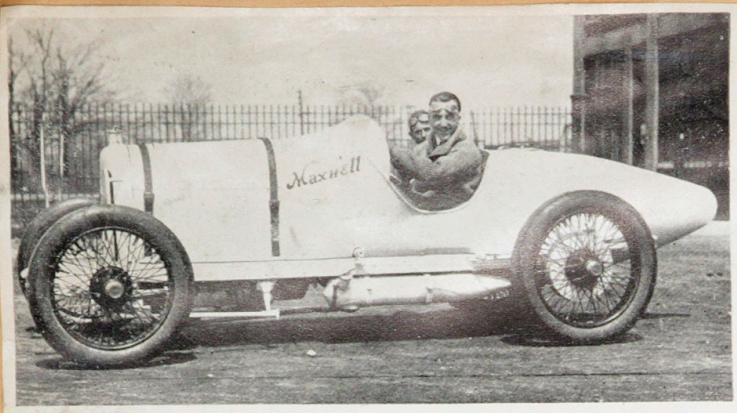
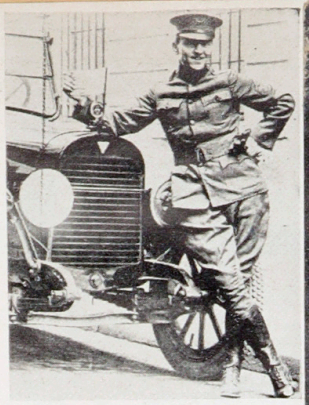


His first taste of fame came as a racing driver between 1906–16. One of his most exciting races came in 1915 when he led a team in the 500-mi. Indianapolis grind (*above*).



His first War role (1917) was as a staff chauffeur to General Pershing.



The Captain's planes today are big DC-3's. "Rick" is regarded as "a tough guy," to be respected and feared by his employes.



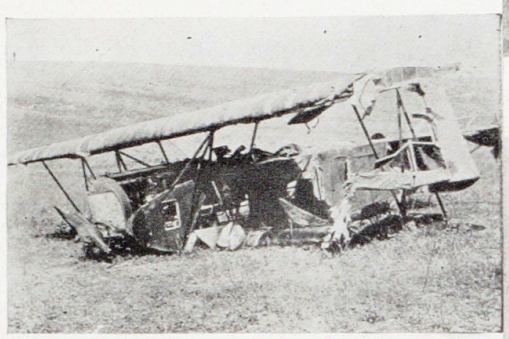
America's greatest War ace never flew until he was transferred to air corps in 1917. First a sergeant, then a lieutenant, finally captain and leader of the 94th squadron, he bagged 26 German planes in seven months without injury to himself.



He never flies solo today, but he does like to inspect cockpit of company's planes. The pilot above is Captain John Armstrong.



His buddies near time of the Armistice were (*left to right*) Joe Eastman, Jim Meissner, Reed Chambers and Thorn Taylor.



One "prize" was this Fokker brought down near Montfaucon in October 1918—one of eleven planes for that month.

He snatches a bite in his office. In bad weather he listens to reports on the short-wave radio. Below, a directors' meeting finds him presiding over his board which includes a Vanderbilt (Harold, *far right*) and a Rockefeller (Laurance, *second from right*).



Giving a pep talk to his squadron before the Argonne offensive in 1918, Rickenbacker stood in front of a German plane which he and a companion had shot down. Only half of the flying personnel he addressed came back from the last push.





The men who came back ou
arrive at a British Channel
rifles or anything except pa

30cm x 40cm



C-3's. "Rick" is regarded
feared by his employes.



oes like to inspect cockpit
is Captain John Armstrong.



n bad weather he listens to
Below, a directors' meeting
which includes a Vanderbilt
(Laurance, *second from right*).



THE WAR (continued)

The men who came back out of the hellhole of Dunkerque arrive at a British Channel port. Very few still have their rifles or anything except packs, uniforms and steel helmets. At right is a new destroyer, at left an older destroyer and at far left the pier. Navy petty officers lounge along the rails. Lifelines have been rigged above the decks. Anti-aircraft machine guns that fought off German planes can be seen amidships, a single at left, a quadruple at right. In evacuation operations, eight Allied destroyers were sunk.

30cm x 40cm



1 As mists of dawn lift, German Air Force sentry marches past the shadowy, canvas-covered Heinkel 111 bombers.



2 Strong young flying crew emerges from camouflaged tent to load 50-lb. bombs on its plane in the early morning.



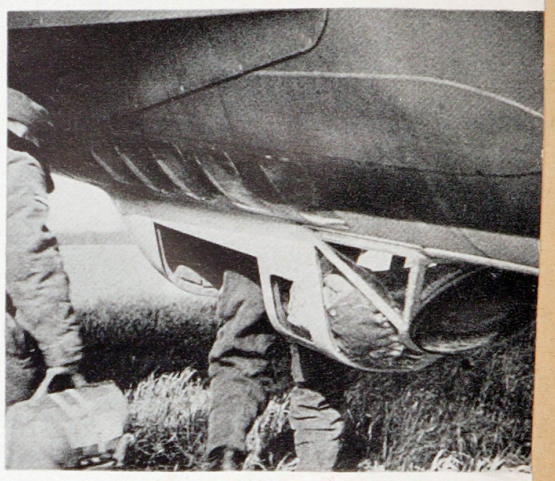
3 Air Force boys are careful with their bombs but, even if a bomb were dropped, it would probably not explode.



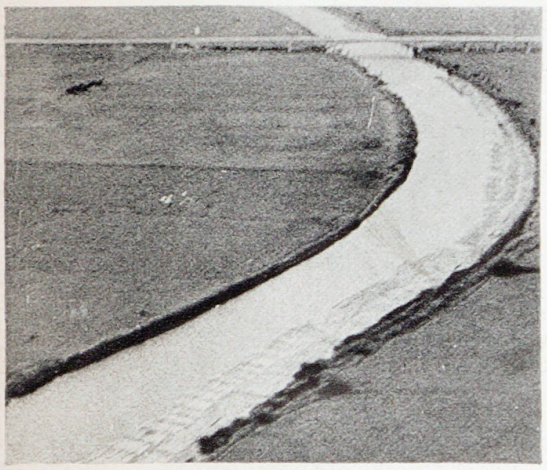
7 Lieutenant shows non-commissioned officers on a detailed map the precise route and the squadron's bombing mission.



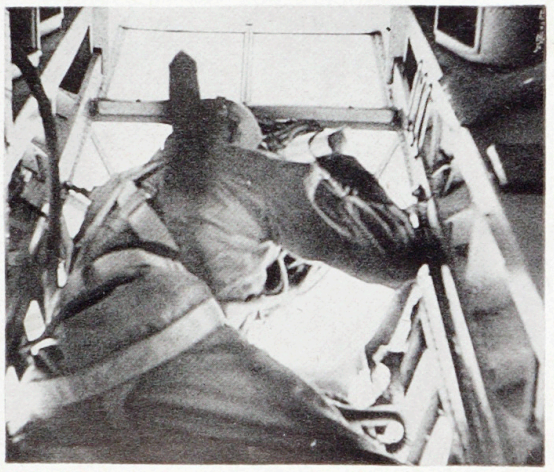
8 Five members of the crew of a Heinkel 111 pull on their flying clothes. Flying will probably be high and very cold.



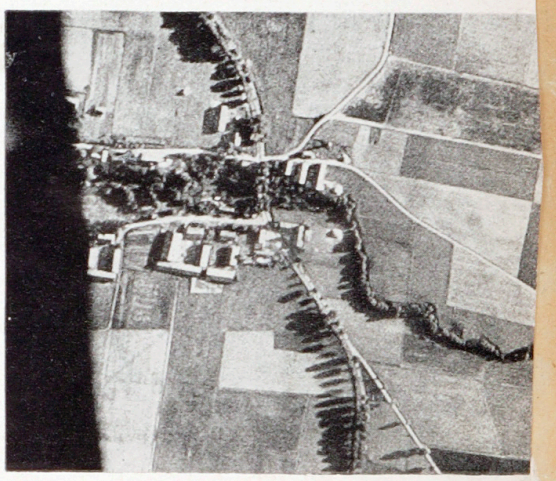
9 Crew climbs in through belly, painted white for invisibility. Bombardier aims here. Note machine gun at right.



13 The plane rises slowly along the course of a Polish stream and passes over a little bridge in the flat countryside.



14 Machine gunner who protects plane from attack behind and below is at post. The same gun is shown in picture 9.



15 Fixed camera here takes mosaic photographs to make maps. Germans did not photograph their bomb sight.



. . . viewed at first hand our Solomon Island offensive in preparation.

AN ENGLISH BOMBER HEA
Germany's industrial cente
such an attack the bombing
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PHOTOGRAPHING ENEMY SI
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AN ENGLISH BOMBER HEADS EAST for an attack on Germany's industrial centers in the Rhine Valley. In such an attack the bombing force is so large it has to be assembled from several airdromes. An assembly point is chosen near the objective so that the number of planes and direction of attack will be concealed from the enemy until the last possible minute.

Once the bombers have assembled the attack begins immediately. As soon as bombs begin to fall, the attack is located and defenders go into action. In dodging searchlight beams and antiaircraft fire, the bombers become separated. But orders have been given to rally at some nearby point easily found in the dark, such as the junction of two railroads, or rivers which will reflect the starlight if there is no moon.



PHOTOGRAPHING ENEMY SHIPS and land positions is one of the main duties of observation aviation. Equipped with the new multiple lens camera—a close duplicate of the human eye—it can map an area to show roads, bridges, railroads and other details which might be invisible to the eye. Such a "mosaic" can be taken, developed, fitted together and delivered within three hours.

Other tasks of observation planes include distant scouting, watching enemy movements, checking on reports from such sources as spies and intercepted orders, assisting artillery in finding range, reporting progress in battle. In performing these missions, the relatively cumbersome observation planes need protection which is provided by pursuit planes—speedy, multiple gunned, one-man fighters.



AIR TRANSPORT OF TROOPS enables commanders to effect swift attack movements and occupies an increasingly important role in modern war. But it is subject to serious limitations. Transport planes like this British one can operate only between airdromes which means that the landing airdrome must be occupied by friendly forces. A further disadvantage is that air attacks might separate officers from men, disrupt organization and destroy essential equipment.

When it is decided to transport troops by airplane, the men are put aboard commercial type ships which can carry 10 to 20 passengers. The men take rifles, packs and two or three days' supply of rations. Also transported are machine guns, and other light weapons for use if needed. **CONTINUED ON NEXT PAGE**

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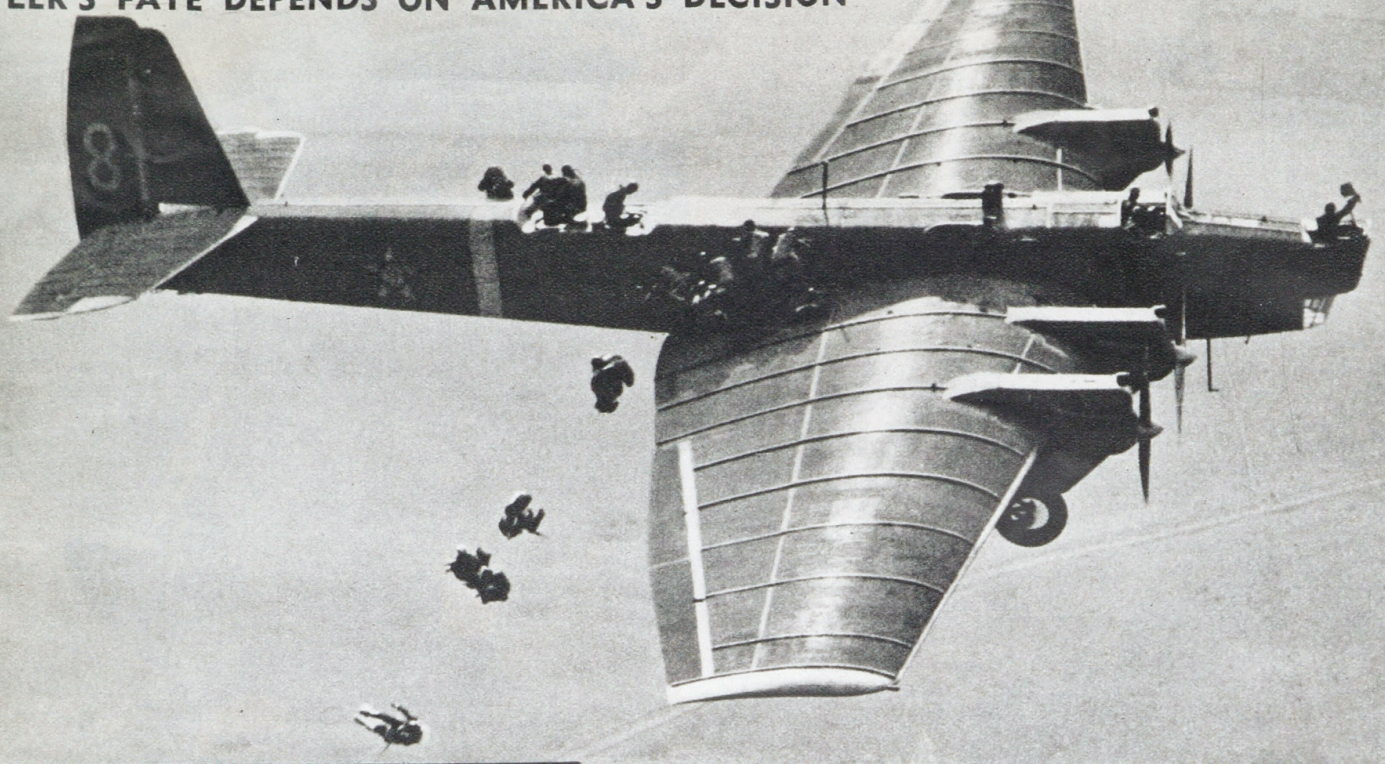
HITLER'S FATE DEPENDS ON AMERICA'S DECISION

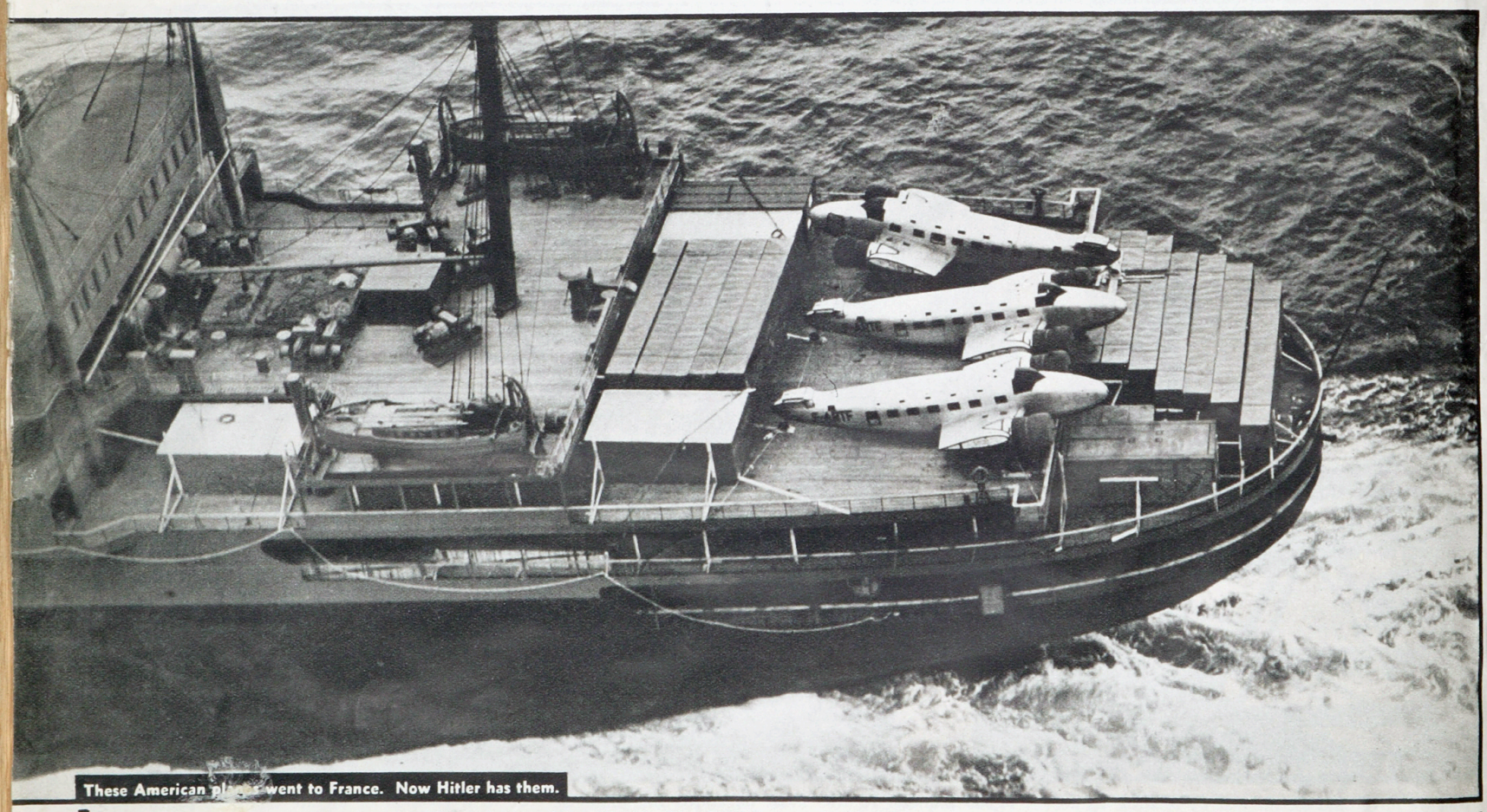


Russians practice parachute warfare . . . to be applied against whom?

6 Fortunately for us there are still forces militating against a complete Hitler victory. Both Russia and Turkey are exceedingly uneasy at the prospect they now face. We get very bad reports of Russian disorganization at the frontier with many aimless troop movements and confusion in orders and supplies. Also it's probable Russia faces another colossal famine this winter. But even so the Soviet Union is supposed to have 10,000 tanks, 20,000 airplanes and no matter how bad they are they would count heavily against a depleted, exhausted Nazi force at some easily imaginable further stage in this war.

Furthermore, there is the shaky and uncertain quality of Hitler's allies, who trust neither him nor each other. Mussolini led Italy into war at the moment when scarcely any risk was involved. If any risk blows up from whatever direction, I firmly believe the Italians will easily topple over. They do not believe in the war and their shameful role in it is unquestionably apparent to them. They are in no state to withstand a sharp test or endure long.

Even less is Spain equal to any trial. Franco and Mussolini may get crumbs from the master's table but they can take nothing for themselves.



These American planes went to France. Now Hitler has them.

7 Between us and the catastrophe of a Hitler dominated world lies only England, supported I hope by everything America can send to help.

We may accept England's will to fight but there is reason for doubting that she will be able to do so for a long period without great assistance from the New World. The British navy is doubtless a formidable obstacle but it is perfectly possible that the Germans will treat it as they treated the Maginot Line—ignore it and find another means of attack.

Most important of all factors determining what is to happen to the world is America's decision. If America puts itself under a war economy swiftly and forces the production of planes, tanks and other weapons—with or without declaration of war—it can still turn the balance against Hitler. If it does not do so now, it will be forced to later, after much of immeasurable value has been lost forever. **END**



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"AFTER THE SHELLING BOYS HUNT IN THE RUBBLE FOR JAGGED METAL OR STEEL FRAGMENTS AND SO THE NEXT SHELL . . ."

". . . FINDS THEM. THE GERMAN ARTILLERY HAS INCREASED THEIR ALLOWANCE PER BATTERY TODAY."



CONTINUED ON NEXT PAGE

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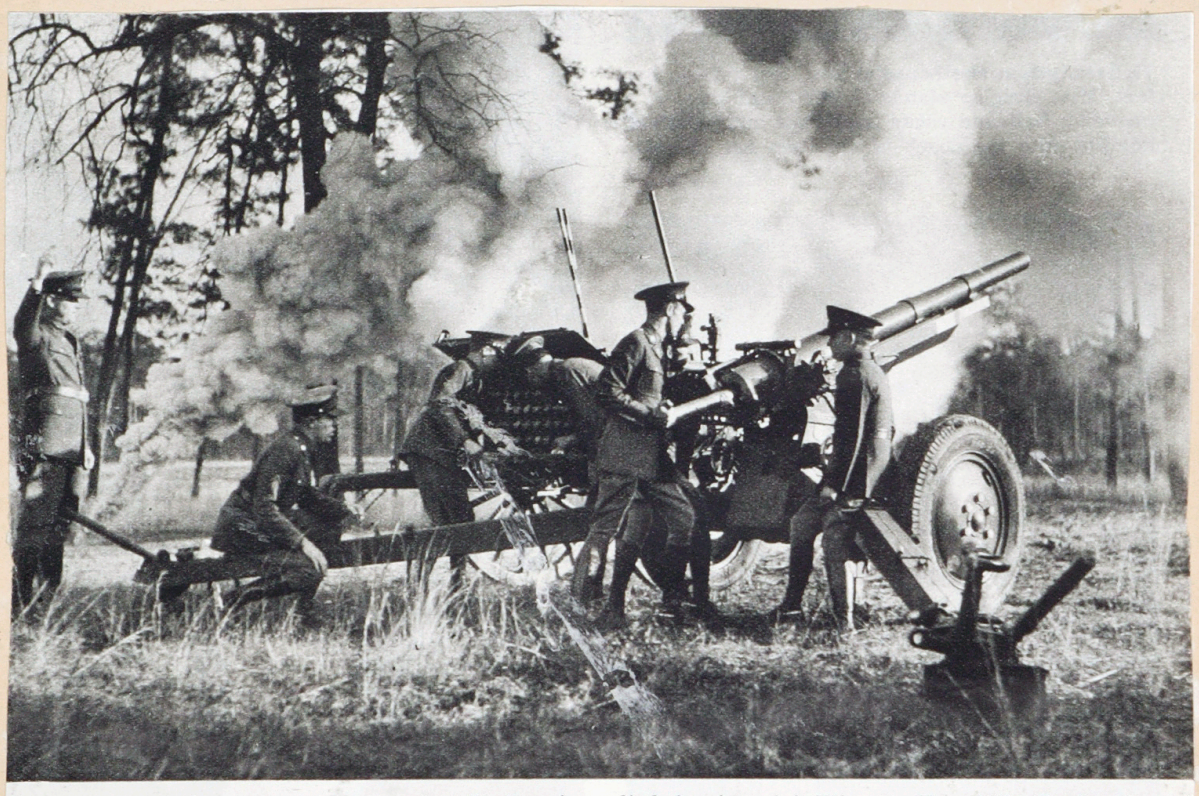
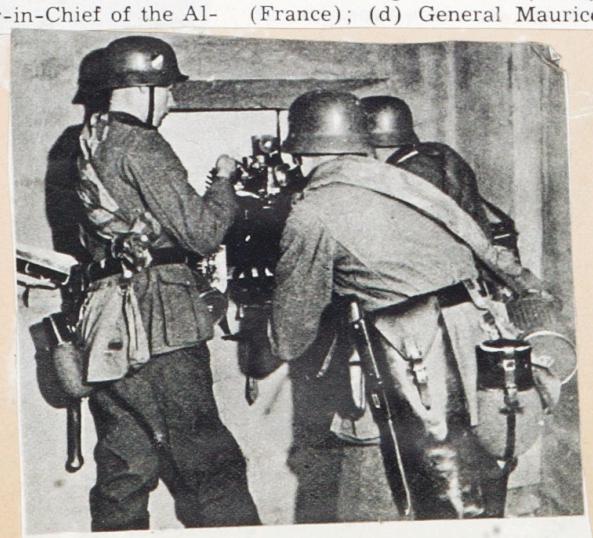
A Chicago Riot resulted in this victory for the anti-Nazi mob. Members of this group broke up a Bund meeting by hurling bricks and rocks. Several Bundsmen were mauled and this swastika burned. Anti-Nazis are only less objectionable than Nazi mobs in that they are not organized and directed from a foreign capital.



A New York Riot resulted in this injury to an anti-Nazi. The bleeding man (right center), is American Legionnaire Jean Mathais, holder of a Distinguished Service medal and the Croix de Guerre. Best answer to the frequently heard Nazi argument that all who oppose the Bund, Coughlinites, Silver Shirts, etc., are Jewish communists, is the bitter opposition of the Legion, especially in Chicago and New York. The American Legion's anti-Bund stand has frequently been as violent in recent years as its traditional anti-communism stand.



1 This is a bit of U. S. Army rehearsal at Ft. Benning but, if America enters the war, one of these would doubtlessly be chosen Commander-in-Chief of the Allied Armies: (a) Winston Churchill (England); (b) General George Marshall (U. S.); (c) Marshal Petain (France); (d) General Maurice Gamelin (France)



6 By spring, Hitler expects to have 250 divisions in the field, compared to France and England's 155. After letting the enemy exhaust itself against the Siegfried line (above), Hitler may well assume the offensive, striking Belgium, Holland and Switzerland, not the Maginot line. **Continued on Next Page**



Modern warplanes
as they did during
American pursuit pla
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"All fighting
use a song—
Gen. MacArth

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ver Shirts, etc., are
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THE HIGH COST OF KILLING

By Gen. Hugh S. Johnson

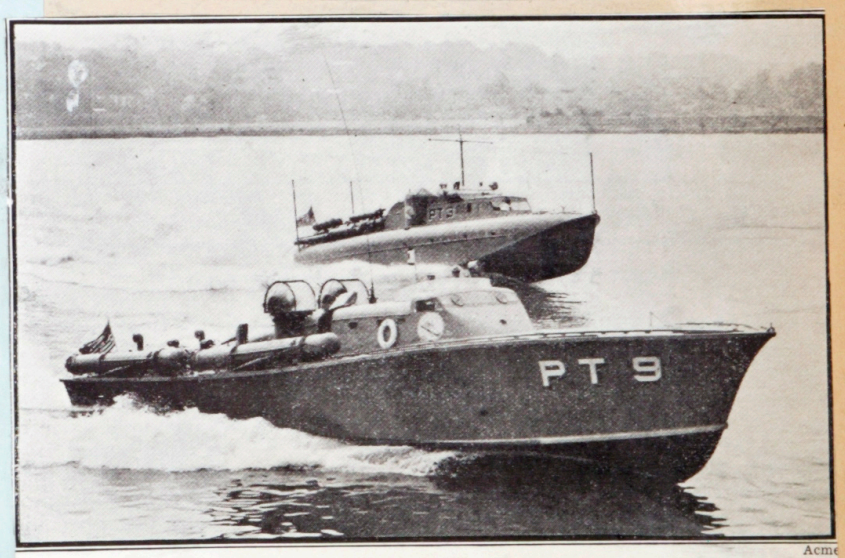
THE COMBINED WEALTH of the world wouldn't be enough to pay for two years of universal war. Cost figures of the last war were astronomical enough, but even logarithms won't help to work out the possible cost of this one. The present war in Europe hasn't begun to spend important money. Yet it is costing about $100,000,000 a day in cash alone, and that doesn't include the huge losses in property and commerce. If it becomes as general and active as the last war, it will bankrupt any nation that enters it—including ours.

Modern warplanes cost five to 100 times as much as they did during the first World War. Every American pursuit plane shot down on the Western front buries with it $43,475. Bombers and flying fortresses cost from $80,000 to $150,000 each; observation planes cost $24,578; light trainers, $5,849.



BRITISH COMBINE

"All fighting men who look on death can always use a song—" A group of American soldiers of Gen. MacArthur's forces—somewhere in Australia



Acme

Mosquito boats: 30 more are on order for the U.S. Navy

30cm x 40cm

LIFE ON THE AMERICAN NEWSFRONT: TENEMENT TRAGEDY IS SENATE OBJECT LESSON



Torrential rains fell on New York City, Aug. 11. On a cobblestone alley in a dreary little Staten Island valley they flooded the cellar of a 50-year-old factory which had been converted into a six-flat tenement. Six families-on-relief were living there at $12 per month each. As police prepared to rescue the marooned slum-dwellers, suddenly, with a mighty sigh, the rotten old building caved in, crumbled into its cellar (*above*). Out of the sodden, splintered wreckage, Mrs. Marie Coral (*below*) was one of only three victims pulled alive. The other 19, including a policeman, were smashed and smothered to death.

This catastrophe pointed an awful object lesson to rebellious Southern Senators who only five days before had risen to combat the housing bill being pushed by New York's Robert F. Wagner. Senator Wagner proposed to lend $700,000,000 of Federal money for razing of slums, erection of safe & sanitary low-rent dwellings. The Southern Senators called his plan extravagant, declared they could not see how it would help their States. By an amendment setting building allowances at $1,000 per room, they fixed the bill so that it could not help New York, where $1,750 per room is the city's figure for slum reconstruction.





BOLSHEVIKS SEIZE PETROGRAD

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Action: *This is how men l*
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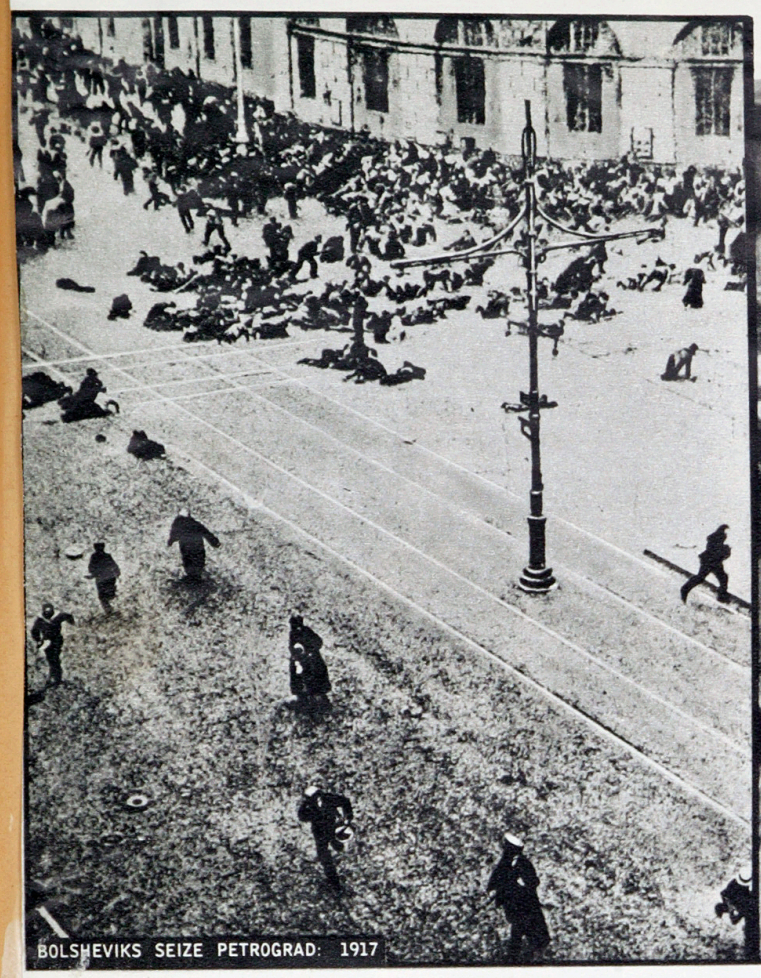


BOLSHEVIKS SEIZE PETROGRAD: 1917



1917 REVOLUTIONISTS: ONE IS A WOMAN . . .

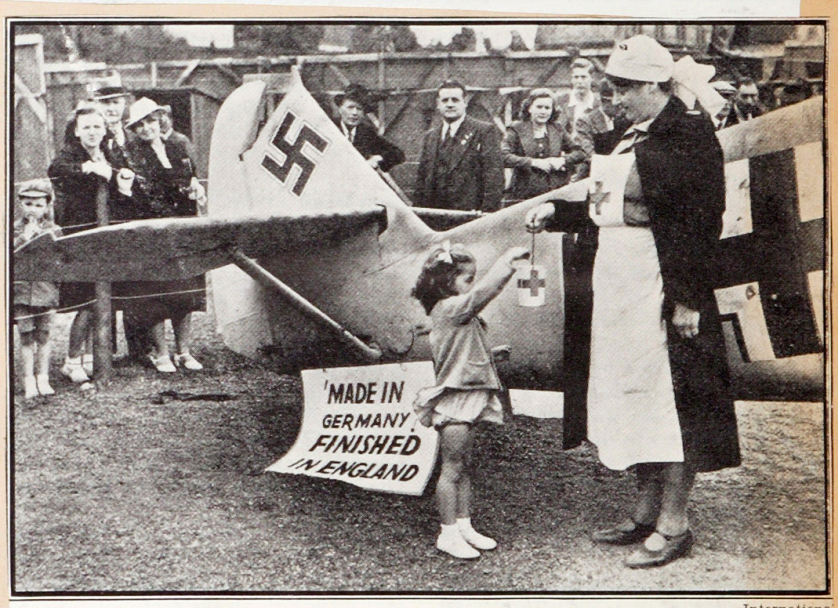
PEOPLE SAY STALIN IS AN ENIGMA. This is because he necessarily represents a double concept of political life. He is first—in fact if not in theory—leader of the Russian state, though officially he is only secretary of the Communist party. He is second—in theory if not in fact—head of the international communist movement, or what survives of it. This is the basic reason for the split between Stalinist and anti-Stalinist communists. The Stalinists say world revolution—extension of international communism—is impossible until Russia is made a strong national state; that the first duty of Bolsheviks is to preserve the revolution in Russia itself; that the best possible advertisement for world revolution and world communism is a Russia absolutely stable, safe, secure.





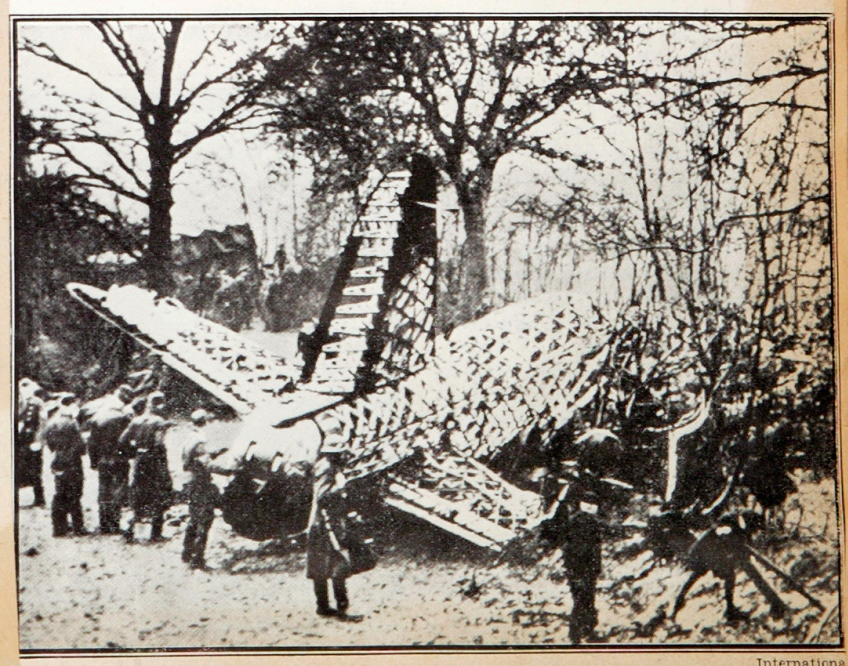
Acme photos

Action: *This is how men look in actual battle. All the mock alertness of maneuvers has been replaced by the grim tension of real fighting in these pictures. The upper photo shows British sailors loading a gun during a recent naval clash in the Mediterranean. Below, American seamen are manning an antiaircraft weapon in the Marshall Islands raid.*



Internationa

Dead Birds: in England, some Nazi planes lure fighting funds . . .



Internationa

. . . while in Germany, downed British aircraft are stripped for scrap

30cm x 40cm

30cm x 40cm

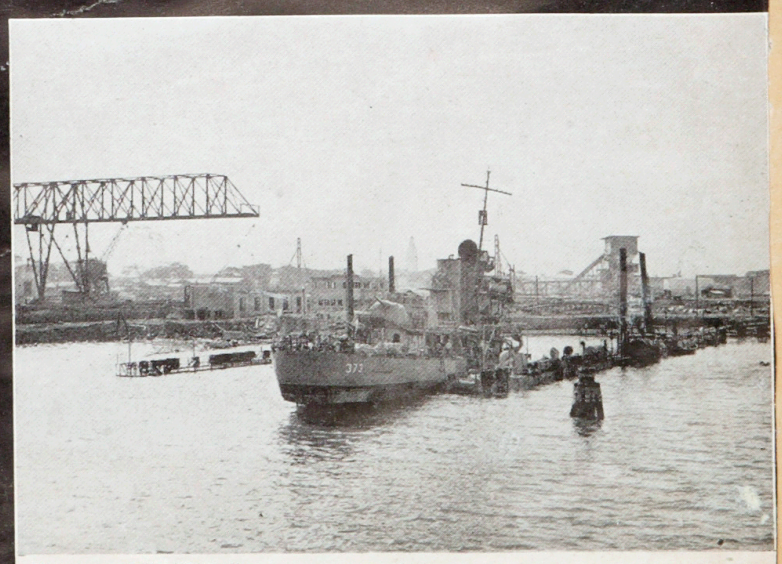
U. S. DESTROYERS "SHAW," "CASSIN" AND "DOWNES" ARE HIT DURING JAPANESE ATTACK



The destroyer "Shaw" blows up. She evidently suffered a direct hit and for a few moments flame roared from her funnels. Then the magazines caught and a tremendous explosion tore through her frame. An officer described the fires as "great molten fingers twined in the black smoke, mushrooming into fantastic shapes at a few hundred feet. A strange unearthly haze covered harbor and Navy yard with a pall that recalled some of Dante's most vivid writing." The *Shaw*, one of the Mahan class, was a comparatively new destroyer.



The "Cassin" and "Downes" burn side by side at their anchorage in Pearl Harbor. From these ships, officer's eyewitness account told of "pillars of fire and smoke climbing high into the heavens, standing out against the backdrop of war." Ships were same type as *Shaw*.



Wreckage of the "Shaw" lies next to dock which probably was burned in ship's funeral pyre. The three vessels were the only destroyers hit. Others, being fast and maneuverable, undoubtedly pulled up anchor and were among first to reach the safety of sea.



PROBLEM No. 13

AN INVESTIG
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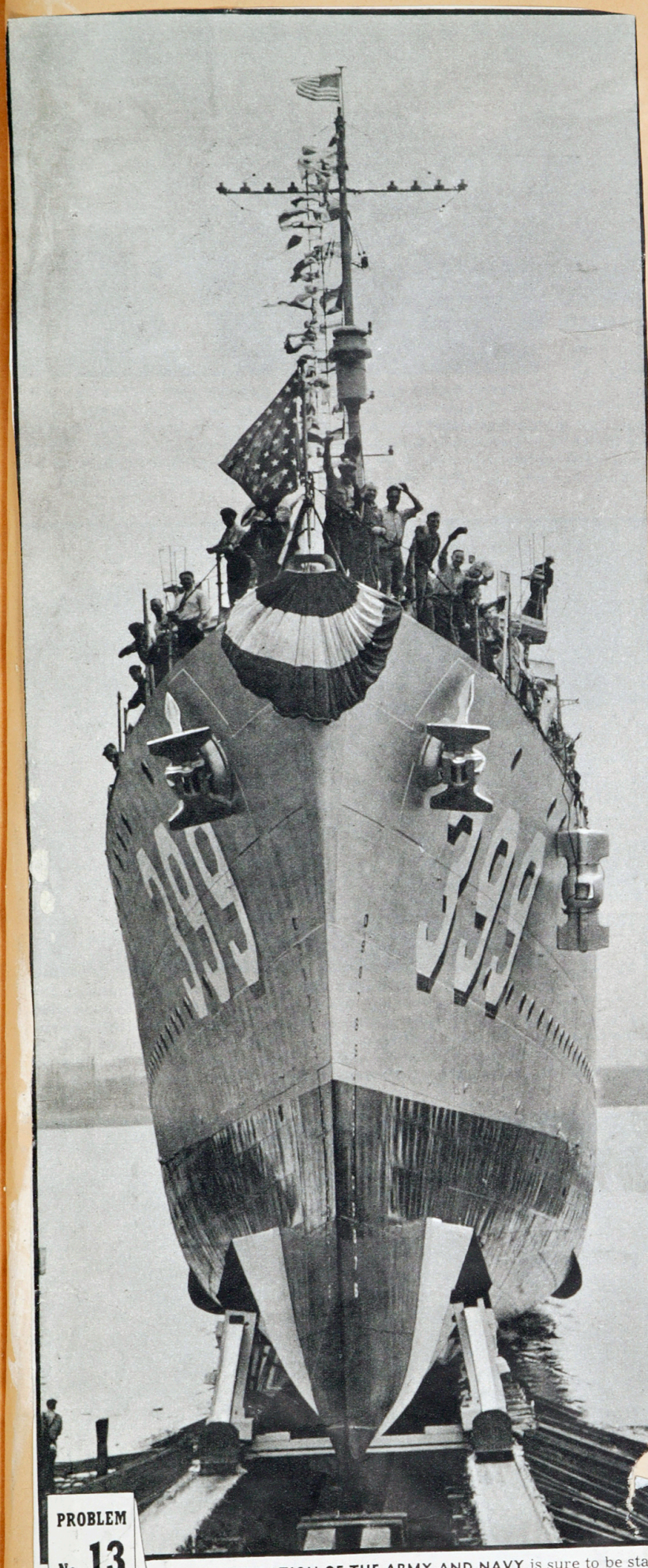


PROBLEM No. 13

AN INVESTIGATION OF THE ARMY AND NAVY is sure to be staged by Republican critics in Congress. They will unearth inefficiency in both branches, particularly in the construction of such brand new destroyers as the Lang, shown being launched at Kearney, N. J. Republican senators will contend—as a result of these disclosures—that the Democrats cannot be entrusted with the expenditure of 2 billion dollars for national defense in 1940.



From soup to bullets



GOD MADE WARRIORS of the Scandinavians. (These are Swedish infantrymen.) There is hardly a limit to the possibility of their military resistance. Hitler boasts of the Nordics. But the Germans are a polyglot people—Nordics, Mediterraneans, Alpines—good soldiers and rotten soldiers. Not so these Norsemen. They are all of one strain. As Normans, they conquered England. As Danes, Swedes, Norwegians, Angles and Saxons, they dominated and saturated our race. They are the "great race" from which anthropologists trace ancient and modern culture.



Newswee

The Nazis couldn't bag this Lockheed

30cm x 40cm

30cm x 40cm



Seabees learn to strip and assemble guns, make minor repairs. They brag they can fix anything—even watches

Regular bayonet practice is part of the training that enables Seabees to move into the wilderness, build secret naval bases and, at the same time, protect themselves against all enemies, whether cannibals or Nazis



BRITISH PRESS SERVICE

British soldiers salute a detachment of captive naval and military troops after the fall of Diégo-Suarez. The prisoners included many Senegalese mercenaries

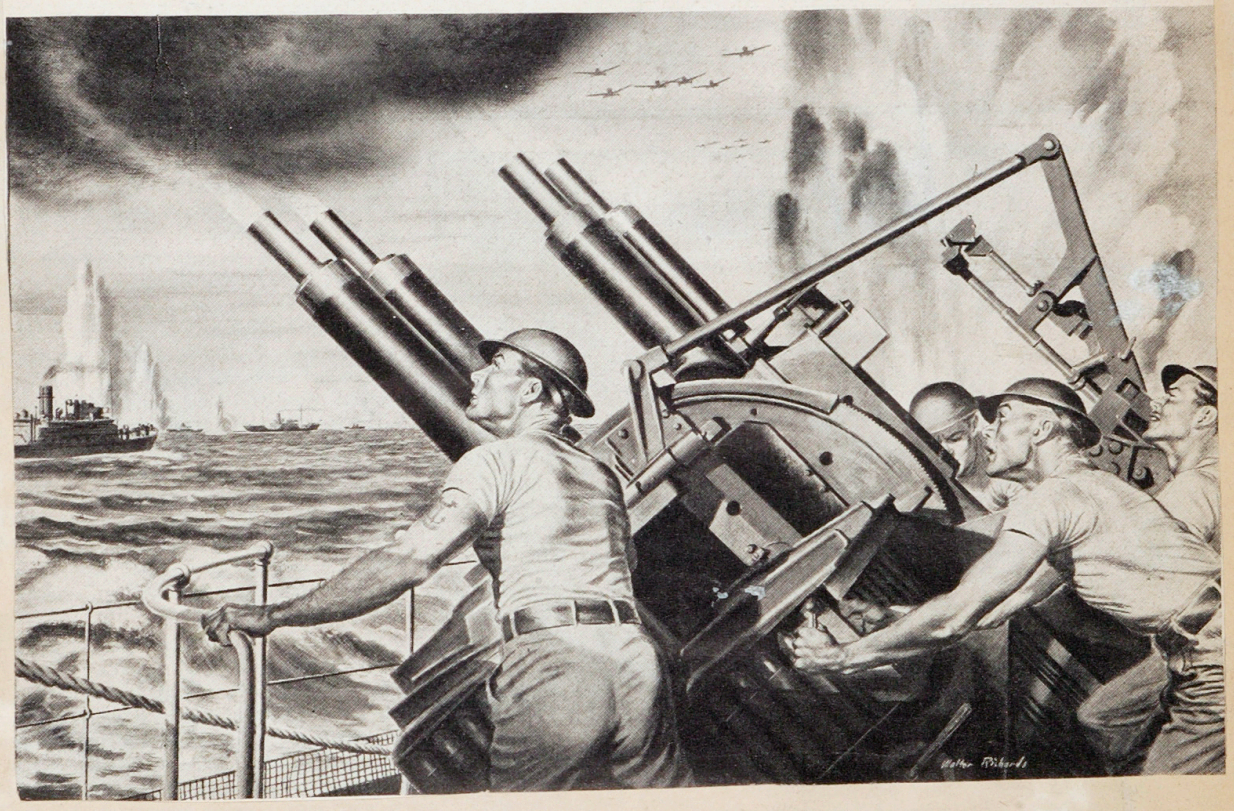
30cm x 40cm

New High in Ship Production



Liberty ships being fitted out at a Bethlehem yard preparatory to sea service. The yard is producing a continuous stream of vessels of this type.

"TO PROVIDE FOR THE COMMON DEFENSE, TO PROMOTE THE GENERAL WELFARE"



we. 1. Set the Rising Sun
by making another Gun.

30cm x 40cm

NATIONAL GUARD (continued)



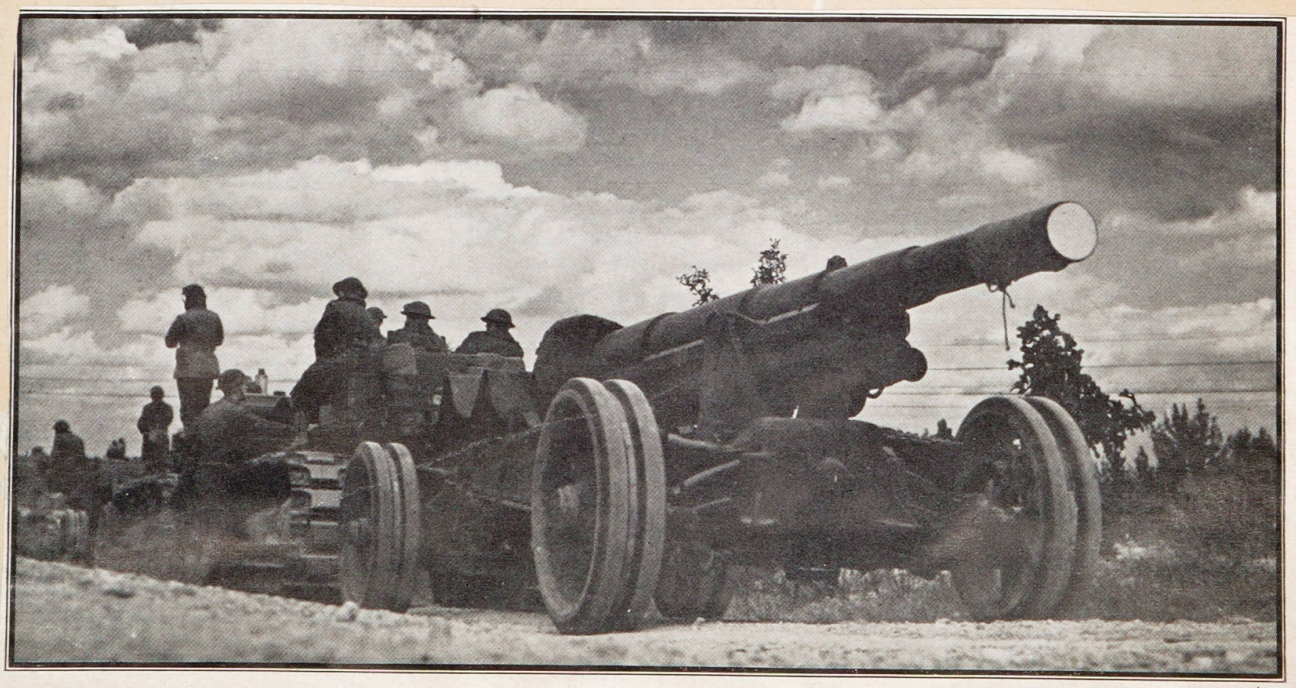
Fundamentals take much of the Guard's time. Here Corporal Joe Sganbelluri drills Rookie Joseph Feistling in "hay foot, straw foot." Both men work in Carnegie Steel mill, Gary, Ind.



THE FINNS ARE NO NORSEMEN, but Supreme Intelligence did not put on earth a hardier or a stronger people. Finland's militia army—of youths, heads of families and graybeards (shown marching to war above)—has already proved that to identify military strength with numbers is an error. Finland is possibly the worst country for offense and the strongest for defense in the whole world. Don't forget, also, that much of Finland is beyond the Arctic circle, and that Arctic Sweden and Norway are perhaps equally defensible.



During the last war we made our rifles by mass production for about $17. This new one, the Garand rifle, costs more than $100. This is partly because our equipment has been redesigned, and mass production of it isn't far enough advanced. Taking the last war as a precedent for a new one, 4 billion rounds of small arms ammunition, costing $240,000,000, will be required monthly.



Acme

To man guns like this one in possible service zones abroad, the Army seeks a bigger force of regulars

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—has already proved
Finland is possibly
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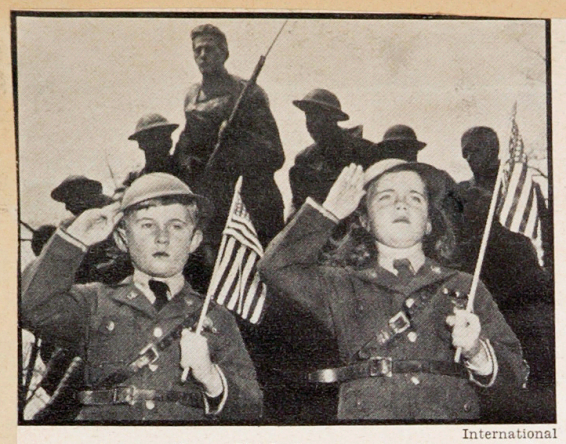


International

Army Day: Kids honor the flag . . .



Acme



N. Y. Daily News



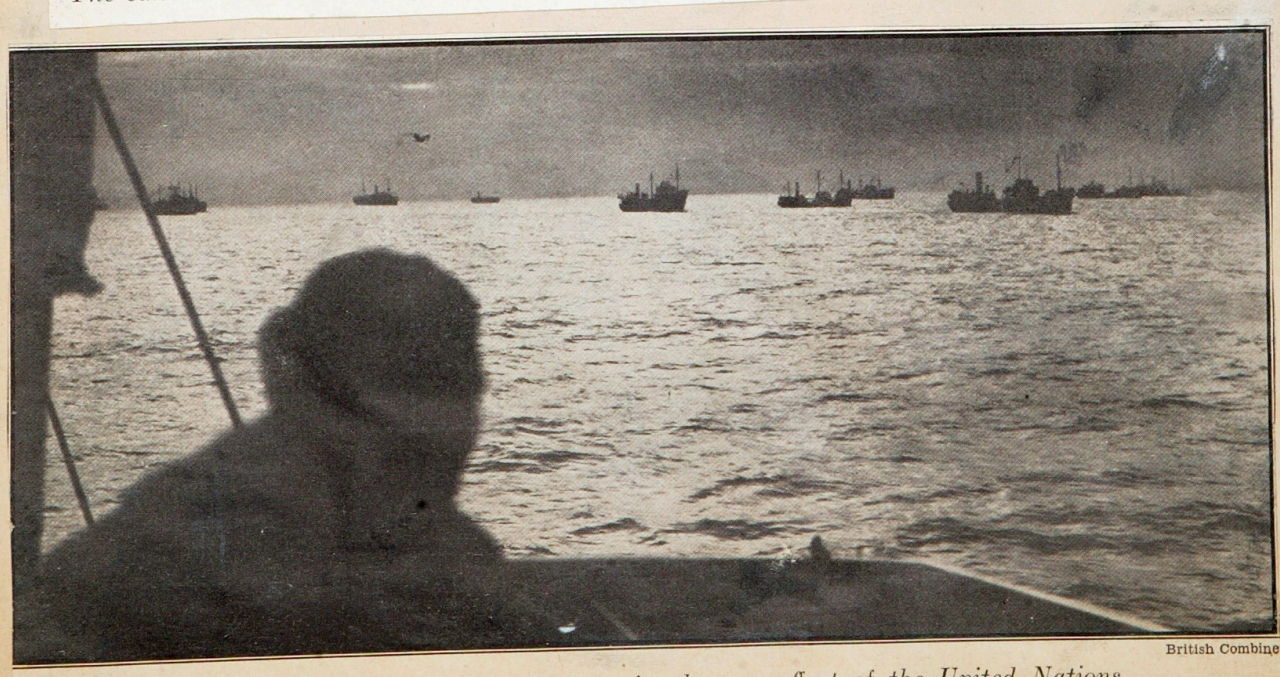
Acme

. . . as a modern Boone, Jack Dempsey as a Home-guard lieutenant, and M. P.'s join New York's great parade



Wide World

The caissons still roll behind horses, and the cavalry still rides them, but they are yielding to gasoline



British Combine

The bridge of ships: The weakest spot in the war effort of the United Nations

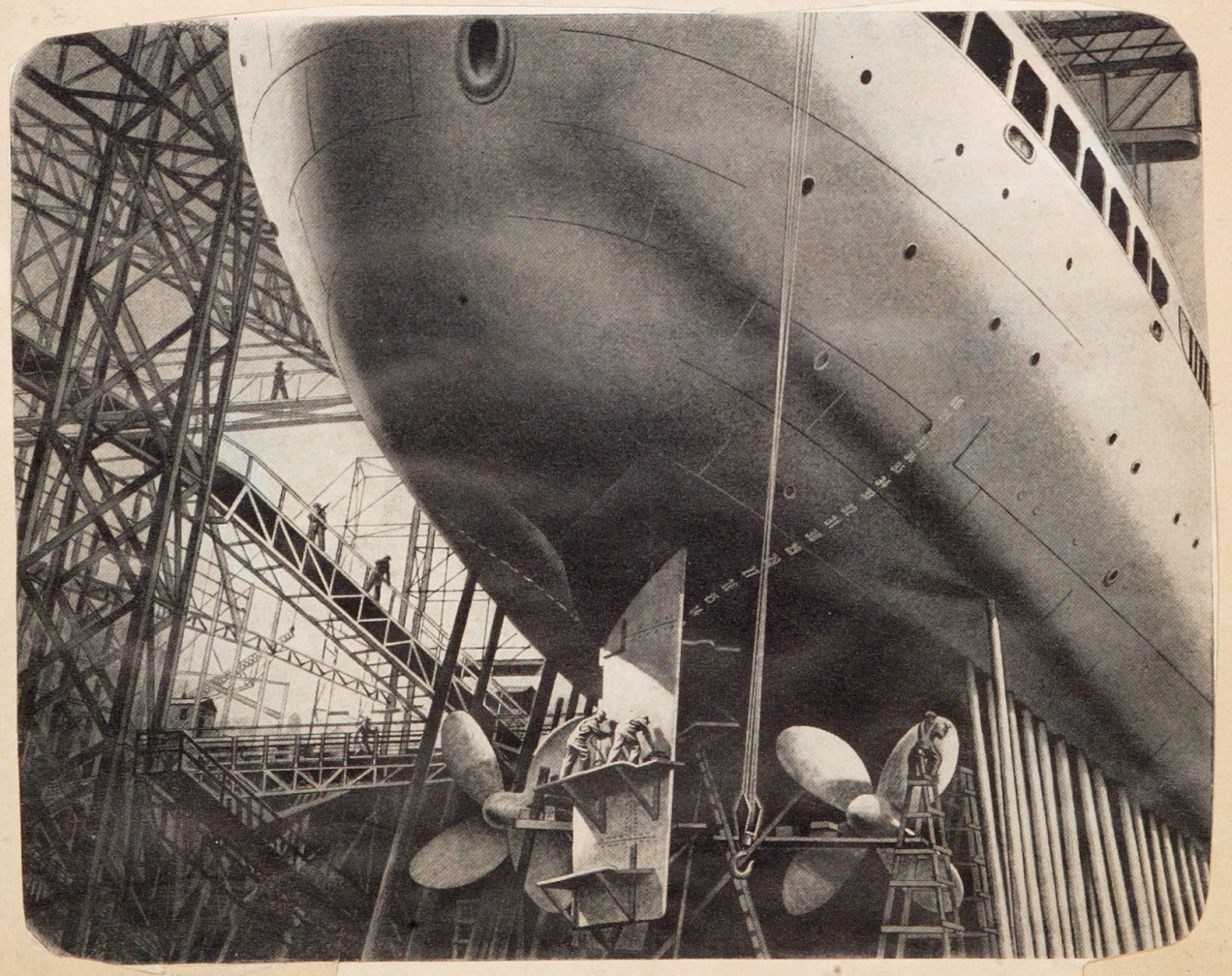
30cm x 40cm



ORTH ASSEMBLY BAY WILL HOUSE AN ASSEMBLY LINE HALF A MILE LONG. CONSTRUCTION IS STILL GOING ON AT THE FAR END, WHICH IS ALMOST HIDDEN BY DUST AND HAZE

round for the building was broken in April, less than year ago. Already Willow Run is the biggest building the world, with some of it still to be built. Forests of ew machine tools are sprouting in its vast shops. Iore than 750,000 lb. of aluminum are ready for fabri- tion. Willow Run's statistics are sweet reading for Americans. Its floor space covers millions of square feet and took almost 600 carloads of creosote blocks for paving. It has 28 miles of crane tracks. Its airfield, from which finished bombers will hop direct to Army fields, will have 11 miles of runways. Its hangar will take in a dozen heavy bombers.

But the speed with which Willow Run will turn out planes for war is more important than its size. On a single operation on a wing section, for instance, Ford engineers have already cut the working time from 4½ hours to 30 minutes. That is the kind of victory that Willow Run is winning now and will keep on winning.



2,900 hours ago...



14 I was 23 years old when I fi
and was wounded like the fall
Today I am 45 and an active re
have to go to war with a comb



13 The National Guard in i
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14 I was 23 years old when I first saw actual combat and was wounded like the fallen man at the right. Today I am 45 and an active reserve officer. I shall have to go to war with a combat unit, be it armed with nothing but brooms. Or I may get kicked out of the reserve corps as I was kicked out of Plattsburg for saying the whole system is stupid to the point of being murderous. I can go again as an enlisted man.

But I have a son who will soon be of military age. If we go to war, I want him to have a break and not step into an army ruled by dotards. I have written this piece for my son's sake. My son and yours. **END**



13 The National Guard in its summer camps and winter drills teaches many thousands the fundamentals of soldiery. In building our new army it will serve as it did in 1917 when it provided the nucleus for two out of every five units that went overseas.

But the National Guard should be moved from its position as second line of defense (behind the regular army) to third, behind the CCC. For the guard is so constituted that its mobilization would seriously cripple industry. Many of its non-commissioned officers are skilled workers. The vast majority of its officers hold responsible positions in their communities. They are the business and professional men, the people upon whom the very structure of the community rests. Sudden snatching of them from their duties would be a profound and lasting shock not e[illegible] corrected.

I was mobilized with the National Guard in 1916. Even then when our industrial life was not as intense as it is now (and nowhere near what it will be should we decide actively to repair our military neglect), it was apparent to me that the old system on which our National Guard was created was wrong. The mobilization of the guard crippled the nation just as a sudden hemorrhage cripples the human body.



The victorious British, headed by Admiral Syfret, discuss peace terms with the French for the surrender of Madagascar, under the watchful eye of Marshal Pétain

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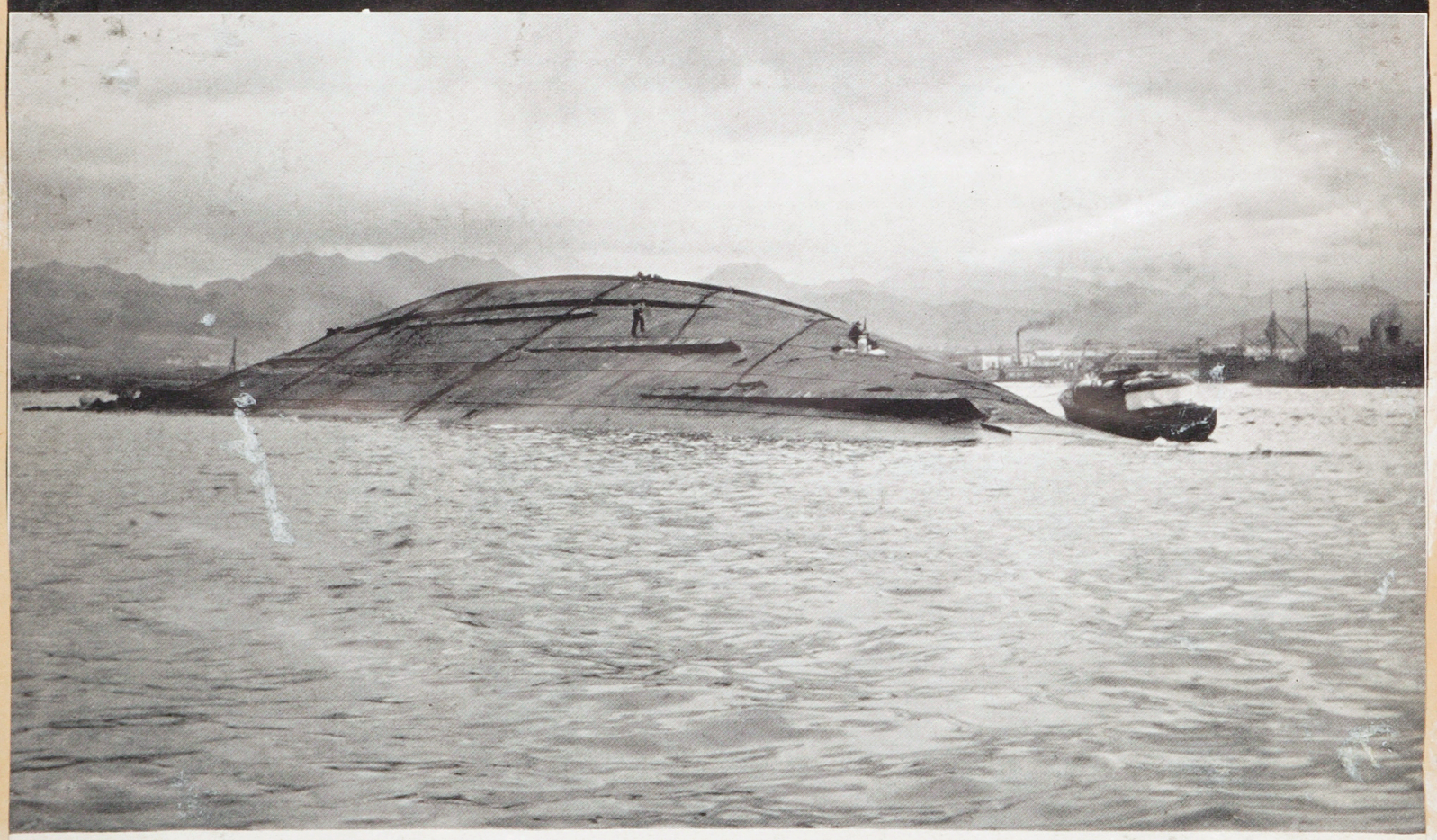
THE OLD BATTLESHIPS "OKLAHOMA" AND "UTAH" LIE CAPSIZED AFTER THE ATTACK



The "Oklahoma's" keel plates and one of her propellers jut from the waters of Pearl Harbor. "No man who passed the capsized *Oklahoma*, with men struggling in the water, will ever forget their feeling," reported an officer who was in the thick of the action. "It was one of regret for the loss of lives and ships, but underneath it all there burned a desire to avenge the blow that sailormen characteristically phrased 'that stab in the back.' " The *Oklahoma* was one of the ships Secretary Knox reported could be salvaged and repaired.



The "Utah's" hulk lies like a gigantic whale in the harbor. She was a decommissioned battleship, used as a target ship by the Pacific Fleet. Obviously the Japanese bombers mistook her identity and gave her a pasting worthy of a combatant ship. Other U. S. ships sailed by the *Oklahoma* on their way to sea. An officer tells of the "pride and emotion experienced on passing ships that were under overhaul, or which could not at the time take to the sea, when the crews of the ships left behind cheered the fleet that was underway."

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ATTACK



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REVIEWING ITALIAN VOLUNTEERS IN UKRAINE, ADOLF HITLER HOLDS HAT WITH LEFT HAND, SALUTES WITH RIGHT

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TODAY'S WAR CALLS FOR PLANES THAT FIGHT, BOMB, OBSERVE AND TRANSPORT



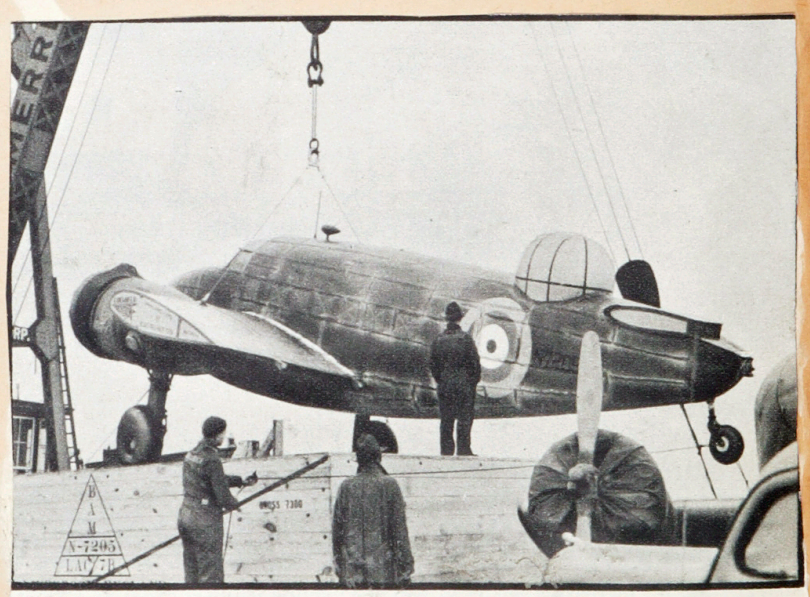
STUKA DIVE BOMBERS PLUMMET out of the clouds to attack an enemy position. As they near the ground at a speed of more than 300 miles an hour, their sirens shriek terror into the hearts of the enemy. Before antiaircraft guns can get their aim, the Stukas have dropped their heavy bombs and zoomed up out of range.

These German planes (Stuka is short for *Sturzkampflugzeug*—dive fighter) are the most modern development in attack aviation. After rehearsal in Spain they first appeared in the attack on Norway and proved their terrific power in the blitzkrieg on France. Although armed with fewer machine guns than the old type attack plane, they are more formidable as fighters because their machine guns are movable and can fire in any direction, while the old attack ship had fixed guns.



TO PROTECT ATTACKING TANKS a U. S. Army fighting plane lays a thick smoke screen, a weapon much used by attack aviation. Distributed from containers much like those employed by sky writers, smoke screens are useful in both offense and defense. They can be laid in front of friendly troops to hide their movements or in front of the enemy to blind it and paralyze its artillery.

Smoke is also used in bombardment. On windless days it can be put down in a circle, like a great target in the sky, to mark the location of objects when bombers are forced too high to see the ground. The big bombers, 30,000 feet or more in the sky, bomb the smoke screen they see below them, just as artillery fires at an aiming point, and their bombs continue down to strike objectives on the ground.



PROSPECT No. 3 Better business is practically assured. War orders are not up to expectations—yet—and some New Deal economists warn against too much optimism. But with a 2-billion-dollar defense program in the offing, business cannot drop back to its low points of 1937 or 1938. The manufacture of raw materials into sinews of war for the Allies will bring an additional boost to American business. The lone question is: How long will the Allies' pocketbook hold out?



An American tank a
American war materi
and Malaya. Below,
are the tough, beard



The W
By Frank

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plane lays a thick smoke
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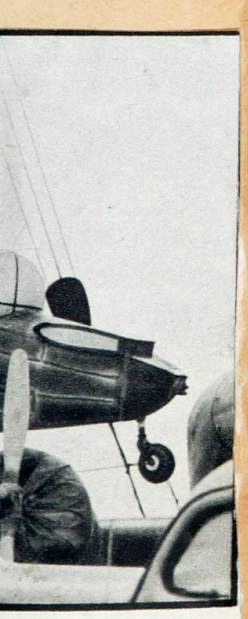

War orders are not up
rn against too much op-
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acture of raw materials
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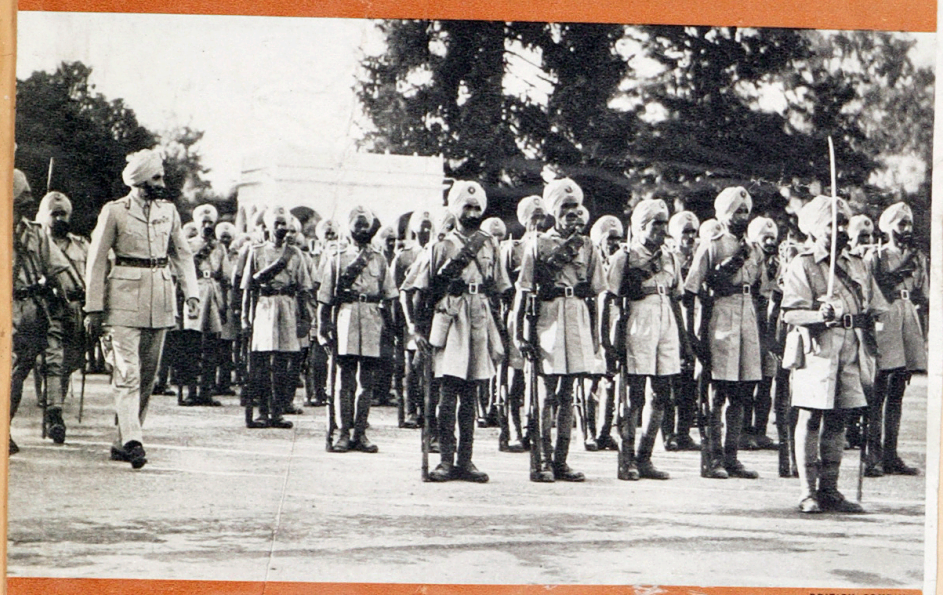
' pocketbook hold out?



WIDE WORLD

An American tank arrives at Cairo. General Wavell relies specifically on American war materials to enable him to hold the Middle East, India, Burma and Malaya. Below, one of Wavell's native infantry regiments. These men are the tough, bearded Sikhs that form 17 per cent of Britain's Indian army



BRITISH COMBINE

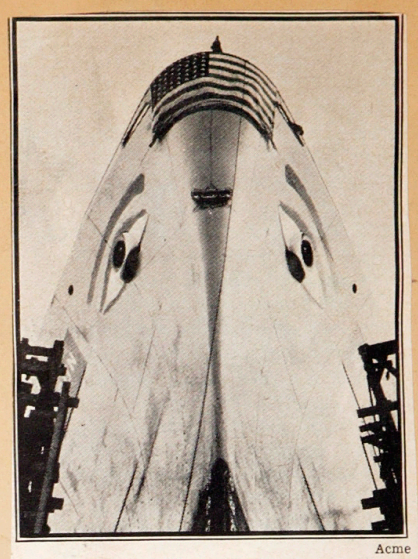
The War's Biggest Job

By Frank Gervasi

The fabulous lands that supply the world with rubber, tin, teak, jewels—the raw materials of Western civilization—are next on the Nazi list. Wavell's job is to defend them



Down in the Alpine valleys Italian mountain troops with their pack train fought in springlike weather. As Germans had finished French Air Force by then, Italians did not bother to wear helmets.



Acme

Eyes on Trade: *In the first night launching at the yard since World War boom days, the 17,000-ton freighter Mormacsun took to the water at Oakland, Calif., last week. The eyes were painted on the prow as a good-luck gesture.*



Courtesy of The Christian Science Monitor

'Watch Out, Folks, They're Artificial.'

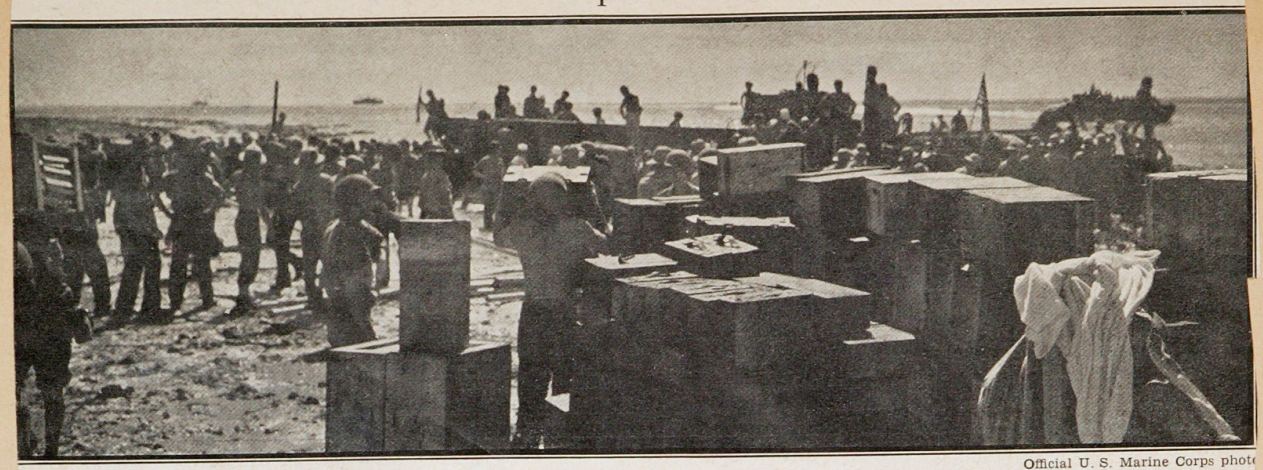


International

The Army helped the Navy take over a strikebound plant

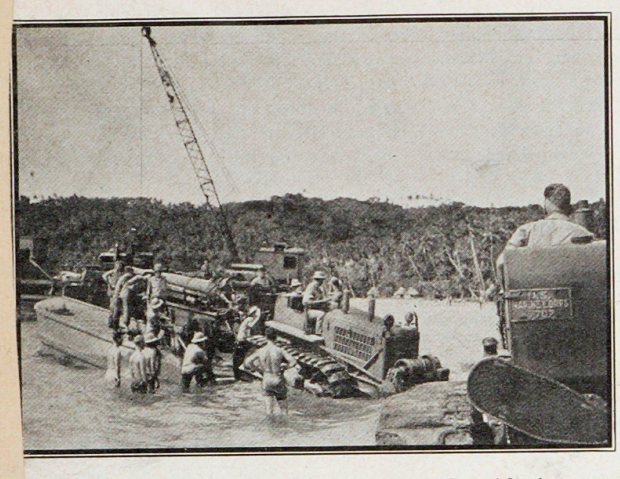
30cm x 40cm

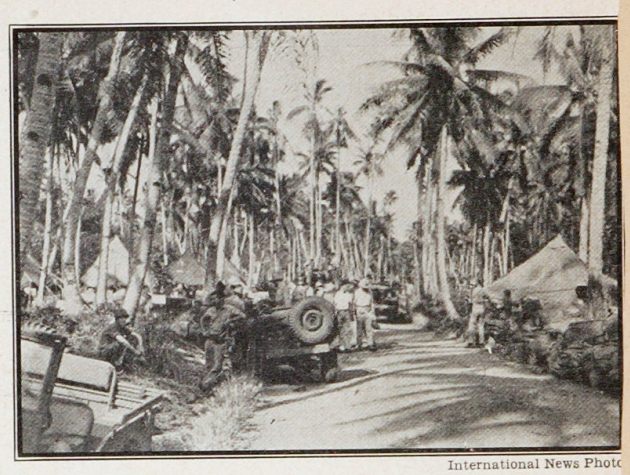
How American Marines Prepared to Land in the Solomon Islands . .



Official U. S. Marine Corps photo

In secret maneuvers on South Sea isles, the leathernecks brought ashore huge quantities of supplies . . .





International News Photo

. . . landed heavy guns with the aid of tractors, and pitched camp under cover of coconut palms

. . and Beat the Japs at Their Own Game of Tricky Jungle Warfare





Official U. S. Marine Corps photos

Now they can test tricks learned at Quantico for making hiding places and camouflaging to blend with terrain

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11" x 14"
30cm x 40cm

