"Sky Train" Flies Over the Atlantic

Loaded Air - Freight Glider Towed for 3,500 Miles

A freight-loaded glider was recently towed across the Atlantic in a successful test of a "sky train" technique opening great possibilities in air transport, the Air Ministry disclosed. Two of the four pilots in the trail-blazing experiment were Canadians.

The glider was loaded with vaccines for Russia, radio, aircraft and motor parts, and was towed by a twin-engined Douglas C-47 transport, a type which the Air Ministry calls Dakota. It completed the 3,500-mile journey in 28 hours.

Planned by Sir Frederick Bowhill, commander-in-chief of the R.A.F. Transport Command, preliminary experiments were carried out with test hops near Montreal for months before the big transport and its glider headed for the Atlantic crossing.

Had Rough Crossing

The glider used had a wing-span of 84 feet, a freight capacity of 3,000 pounds and was fastened to its mother ship with steel attachments designed to take a strain of 20,000 pounds.

Pounding its way through bad weather most of the time, the transport and its following glider made the trip at medium altitudes and at an average speed of 125 miles per hour.

Unable to climb out of the storms encountered on the way, the two craft made a rough crossing. At one time they were forced to ride out a snowstorm for 2½ hours, when the glider was buffeted "like nothing on earth."

No Automatic Pilot

Several interesting generalizations about long glider flights were made available in connection with the landing. For one thing, it was emphasized that the glider must be flown all the way —there is no automatic pilot— and the pilot must not for a second take his eye off the tow plane or the tow rope if the plane is in clouds.

When the motored plane is in clouds the glider pilot gauges things by the so-called "angle of dangle," in other words, the angle made by the tow rope. The glider should preferably be flown about 20 feet above the tow plane.

The take-off is the most difficult part of the flight. The glider becomes airborne before the tow plane, and should the pilot allow it to get too high the tail of the latter might be pulled up so that the whole take-off would be ruined. Similarly, if in flight the glider gets too low a drag on the low plane's tail may cause a dangerous stall.

The glider crew finds life very noisy despite the absence of motors. One flier who made this crossing compared the roar to the sound of a freight train on worn tracks—the steady beating of the wheels over the joints.

The crews communicate via ordinary wireless, but the switches are kept off to save batteries, and when the tow plane wishes to speak to the glider the pilot waggles his wings.

Hail To The Pig! He Does His Bit

A Tribute In The Leamington Post and News

The pig—look at him. He roots in the swill pail, he rolls in the mud puddle, he smells like something putrid. You say, "Ugh, the filthy animal." And then he dies. And he becomes a benefactor. Someone twists a rope around his leg and shoos him up an inclined plane to the spot where a man smoking a pipe waits to cut his throat. And, still squealing in a diminishing gurgle, he drops down into the pit. . . .

Now look at him. He comes to your table in long, thin bacon strips, in delicious chops, in tender roasts, in succulent spareribs. He covers your hands and feet with his tough, durable hide. He lingers in the bottle of glue on your writing table. And he goes to war. He wraps his fat around the men who fight in Arctic cold. The Commandos shiver a little less because of that protecting fat layer. In icy water, clinging to a raft, the survivors are those with the most natural warmth, part of it gained from the pig.

When airplanes shoot straight and fast and enemy planes fall from the sky, the cartridges have his impress. His essence is in the huge shells that demolish the deadly submarines. His greedy feeding, his strength and vigor and warmth, are helping to win the war. Hail to the pig!

Ban Kite Flying

Nazi occupation authorities have banned kite flying, a favorite pastime of the Dutch, according to the Netherlands News Agency.

THE WAR - WEEK — Commentary on Current Events

The Greatest and Most Daring Undertaking In Military History

The Allied armies, which began the Battle of Europe with an invasion of Sicily, have successfully accomplished what both Axis and Allied spokesmen agree in characterizing as the "greatest and most daring undertaking in military history." They have firmly established themselves on numerous beachheads along a 100-mile stretch of the Sicilian coast, and are now driving into the interior "according to plan," says The New York Times. More troops, more vehicles, more guns and stores and equipment are pouring into the island across a bridge of ships and under a canopy of protecting aircraft that have virtually blasted the Axis air force from the skies. The battle for Sicily may be arduous and protracted, but the beginning has been auspicious. As one Allied spokesman put it, the invasion has passed the "crisis point."

More To Come

Thorewith the Western Allies, to whom Hitler referred not so long ago as "military idiots," have accomplished what Axis propagandists loudly proclaimed they could not do and what Hitler himself did not dare do. They have invaded enemy territory across a wider stretch of water than the British Channel — territory far more strongly defended than was England after Dunkerque.

They achieved this success with a military precision and co-ordination of all arms, including glider and parachute troops, unequaled in any military campaign. They proved themselves masters of military technique, superior to both the German and Italian defenders, who claimed a monopoly of that science. They demonstrated that amphibious operations, which failed at the Dardanelles and at Dieppe, are not only feasible but with the right technique can be not even very costly. Therein lies the guarantee that the Sicilian landing is merely the forerunner of more to come.

Other Second Fronts?

The anxiety of the Nazi who exclaimed, "Why don't the British and Americans come instead of talking about it all the time?" is now partially relieved. But the landings in Sicily do not give Berlin any assurance that there will not be other "second fronts" to deal with.

In some respects Sicily has seemed almost a sure thing—an inevitable first step, writes the war editor of The Christian Science Monitor. To the sea-minded British especially it stands as the key to the Mediterranean. So long as the Axis possessed air bases and harbors in the island, Allied shipping could never be wholly free from raids. With Sicily in Allied possession, not only is the sea clear but the Italian boot itself will lie under the imminent threat of invasion.

Nazi Dilemma

This will in turn present a difficult choice to Berlin—to be somewhat pulled off balance by sending large forces to defend a position far from the Nazi centre of strength, or permit Italy to become a base for Allied attacks on the Reich. In a measure, the landings in Sicily already offer the Nazis that dilemma. Apparently they have chosen to fight at least a delaying action in Sicily. But they must have the constant dread that, if they concentrate on the defense of Sicily, the Allies, under cover of their sea and air control in the Mediterranean and with greater mobility, may then strike some other spot left unprotected.

Divide the Defense

Almost surely the Allies will strike elsewhere. They will exploit their advantages by dividing the defense. So sure have the Nazis been that a blow was coming in southern France that they have moved the population out of Sets and other towns near the Spanish border. But a landing in France seems hardly an immediate probability. For one thing, French troops would surely play a major role, and General Giraud is in the United States. For another, General Eisenhower has just warned the French people to keep cool and wait for word from the Allies.

The Allies undoubtedly have not moved without good information and thorough preparation. The incessant bombing of Sicilian airfields and of Messina—gateway to the mainland—has destroyed or badly damaged vital links in the defense of the island. Sea and air control will give them immense advantages, and if this move has been managed with the same skill and co-ordination as that into North Africa, the defenders will have their hands more than full.

The Book Shelf

FIREDRAKE.

By A. D. Divine.

This is the story of a ship. They christened me Firedrake, which means "a mythical, fiery dragon." I'm a fighting ship and I've seen a lot of the world in my short life. I've been through several hells. I've been blown wide open and left for dead—but I'm still stubbornly alive.

The big convoy gathered in Gibraltar. The British Eighth Army was in desperate need of supplies. The enemy launched their attack. There was no escape. We knew the big one had our ticket on it—even before it landed. The damage was unbelievable. The Admiral ordered "abandon ship," but my Captain refused to give up. The crew were in darkness—water lapping at their heels—live steam everywhere. They shored the metal, stiffened by bulging bulkheads and somewhere kept me afloat. In two days they achieved the impossible —we were under way.

At the moment I am in America being completely overhauled and repaired. Soon I'll be on the job again.

Firedrake .....By A. D. Divine
Smithers & Bonelli ....Price $3.50

VOICE OF THE PRESS

THEY'RE SEEING THE WORLD

From "Somewhere in Australia" comes news of the arrival of a detachment of America.. soldiers from the Yukon, who since March 6 of last year have traveled 23,000 miles and have undergone 150-degree variations in temperature—from 68 below zero to the scorching heat of the Equator. "Join the armed forces and see the world" means what it says in this war.—Montreal Gazette.

—o—

A "RIPPING" DESCRIPTION

We don't like to inflict this on you, but The Toronto Star likens the income tax to carpentry: "The taxpayer hammers away at the tackses, adze the figured and files the document. But if honest he doesn't chisel." That's quite plane, pal; if he wasn't square and on the level it wouldn't auger well for him. He'd have to brace himself for a bit of rasping.

—Ottawa Citizen.

GOODS NEWS

There are two more good things about the Chinese victory. One is that the Chinese are learning that they can beat the Japs, and the other is that the Japs are learning the same thing.

—Pathfinder.

—o—

MOTIVES

Scottish miners, to celebrate the victories in Tunisia by the armies, worked an extra day without pay. Ours go on strike to celebrate.—Brandon Sun.

TERRORS OF PEACE

And now we are told of a post-war $400 motor car to be sold at every gasoline station. Peace, too, can have its terrors!

—Ottawa Journal.

EXPLAINED

We read that the clothes from men's trouser cuffs carpet a broad path from here to Windsor. So that is what they are going to do with it!

—Peterborough Examiner.

—o—

MONEY TALKS, BUT—

Take a tip from money talks, but it doesn't give it away.—Kingston Whig-Standard.

—o—

PRACTICAL POP

Some day soon, father will have to get smart and pass the cigars instead of cigars when baby is born.—Guelph Mercury.

save half your cigarette money... **double** your smoking enjoyment

● Buy MACDONALD'S FINE CUT TOBACCO . . . enough "Bright Virginia" in every package to make 44 standard cigarettes.

LARGE PACKAGE... INCLUDING TAX **19¢**

INVEST WHAT YOU SAVE IN WAR SAVINGS STAMPS

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← **WATERWINGS ...1943 STYLE**

Remember the water wings you used as a kid at the sea shore? Fighting aimes wear them too . . . 1943 style . . . as part of their standard equipment. When the flyer hits the water he wastes no precious seconds blowing up his "wings". He simply opens a valve in a small cylinder of compressed carbonic acid gas ...and his "CO_2 jacket" is inflated for him in a flash. This same useful gas is used to inflate the rubber boats and rafts which have saved so many lives in all the Seven Seas. Much of this gas comes from our plants, a by-product in the making of War Alcohol. Never before has the need for Alcohol been so urgent. Alcohol is a prime essential in the production of synthetic rubber, is an important ingredient for plastics, and is the constant ally of doctors and nurses in their fight against infection. Producing Alcohol is our one all-important war job. All of our plants are working to capacity to produce it.

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Quality counts most—for that rich, satisfying flavour which only a fine quality tea yields, use..

"SALADA" TEA

D THE HILT

By
ercival Christopher Wren

Chapter XIV.

ories came to Richard ester.

ne when he had met the hom it was now his life's to meet again; the man he would some day meet up- e of them died first, which forbid.

d had made Ballitzin so vin- Surely not the little epi- the Russian Embassy in t was it just the nature of ots, racial onlitathy, or had rcumstances in which he had Wendover at Tashkent had ng to do with it, given him made him uncomfortable ided him to give Wendover

st have been a nasty jar authorities to learn that the professors at the Rus- officers' School of Oriental ies at Tashkent was a officer, and obviously, e, a British secret agent. urse, it had been Wend good luck that there was a for a teacher of Hindus- Pushtu to those Russian especially selected for in- e work in India and on der. Had there been no ency, and had it not hap- at he and Shere Khan had e acquaintance at the tea h which they lodged of an man who taught Persian hool', he would never have it.

* * *

djutant, formerly a pron- ilist, who had been like exile in London in Tsar- and whose language was colloquial and idiomatic ay than that used by Gul d, decided that the lat- accent and Victorian English did not defeat him st from teaching the Eng- guage to the officer-stu- his charge.

ing students, too, Wend- d discovered. Somewhat from those to be found rst and Woolwich, most being men of consider- ce and experience. A ollection of widely differ- d as well as geographical arying from Lapland to from the Ukraine to most of them Red reg- ers, some of them secret agents from different civilian life.

had been one of his least periods since the smash, lingly interesting, dang- when he, a British of- unaccredited but pro- secret service agent, had the very heart of the mp, cultivated the men the most dangerous foes ountry, listened to their on, examined with metic- e the contents of waste- ets gathered by Shere o had obtained a job as chman, a stupid and ig- low upon whom the stu- Pushtu could, neverthe- ice.

UE No. 30—43
C

VERSEAS

SENDS 300
CONSOLS", "LEGION", DONALD'S MENTHOL", BLENDS" or "EXPORT" Cigarettes

...occo — BRIER SMOKING or any ...OS FINE CUTS (with papers) also ...GARETTE TOBACCO Postpaid to ...Canadian Army OVERSEAS and ...IN UNITED KINGDOM FORCES.

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It had greatly interested Wendover to discover that more than one of the students of Pushtu, Hindustani and English were anxious to learn all they could about the Singing Hadji of Sufed Kot, and to note that whereas to the British he was a truculent firebrand whose chief interest in life was the breaking of the pax Britannia and the fomentation of trouble on the Border, it appeared that he was by these earnest inquirers regarded as a great patriot, one whose yearnings for self-determination ought to be gratified, whose struggles for the spread of his religious and political principles should be assisted by all true lovers of freedom.

Moving cautiously and with the skill of experience, the Professor of Pushtu, Hindustani and English had contrived to give the impression that he was not uninterested in politics; that he had ambitions; that greatly as he appreciated and enjoyed the honor of being Professor of Languages, he would even more greatly enjoy that of being an emissary and an agent who on the Indian Border could serve Holy Russia, or if they preferred it, Unholy Russia.

What his hearers wished to think, he had given them grounds for thinking, what they wanted to know and to believe, he had taught them: their wishes were father to his thoughts when preparing his impromptu outbursts.

* * *

And in a surprisingly short time he had found himself not only the leading authority on the politics of the Border and Northern India, but had somehow come to be accepted as a political refugee, a potential if not actual Red Shirt, a friend and follower of the powerful Singing Hadji of Sufed Kot and an enemy of the British, sufficiently active and powerful to have been in danger of the reach of their long arm until he had crossed the Border, reached Tashkent and entered the Haven—that haven of safety which is happy Russia.

Memories . . .

But for the coming of Comrade Ballitzin there was no telling to what heights he might not have attained, to what positions he might not have attained, to what positions he might not have aspired, what secrets might not have been given him—secrets he would have used to forestall and thwart the schemes of those who would have employed him to work against the British Government, to foment trouble on the Border and to induce the Amir of Afghanistan to sever diplomatic relations with Britain as a prelude to war.

Ballitzin had struck. And very cleverly.

For some time past the Adjutant of the school had been taking notice of the Professor of Pushtu, Hindustani and English, had made a point of accidentally encountering him, of sounding him as to his opinions, and had one day sent for him to his office and questioned him as to his personal history, compiling a dossier for the college records.

* * *

He had had to think quickly and answer each item of the questionnaire promptly, and finally the Adjutant had asked him when he intended to return to the Indian Northwest Frontier country and what he proposed to do when he got there.

And Munshi Gul Mahommed had replied that he was so happy where he was that he had formed no plans for the future, but how infinitely happy would he be if the Russian officers under whose kind control he now worked would send him to the Frontier, or to Afghanistan, or even to India.

Send him on what business, the Adjutant had inquired.

Oh, any business, Gul Mahommed had replied, fingering his beard with sly, deprecating smile. Any business whatsoever.

And thereafter on several subsequent occasions they had gradually got down to it and talked real secret service stuff.

And then had come the great day when the commandant of the school himself had sent for Munshi Gul Mahommed and given him a prolonged and thorough grueling.

The leaven was working, and working fast.

What a stroke it would be if the man who longed beyond anything to be the most invaluable agent of the Military Intelligence Service of the Indian Government, could get himself actually appointed to a post in which capacity he would work and rise to prominence in that branch of the Russian Secret Service that dealt with India, Afghanistan and the buffer States between them!

He had made a bold bid, an audacious throw, staking everything in obedience to his motto of l'audace, l'audace encore, et toujours l'audace; and, without expatiating to the Commandant as he had done to the Adjutant upon his most exceptional fitness for service in India, Afghanistan and on the Northwest Frontier, had gone one step farther than ever before.

(Continud Next Week)

CHARMING SUN STYLE

"She looks just like a little doll!" friends will say when your tot appears in this beguiling, berruffled pinafore. What a cool and charming play costume! Tie Anne Adams Pattern, 4355, makes a frock with cap sleeves, too. And a sunbonnet shades young eyes.

Pattern 4355 is available only in children's sizes 2, 4, 6, 8, 10. Size 6, pinafore and bonnet, requires 2¾ yards 35-inch fabric.

Send TWENTY CENTS (20c) in coins (stamps cannot be accepted) for this Anne Adams pattern to Room 427, 78 Adelaide St. West, Toronto. Write plainly size, name, address, style number.

TABLE TALKS

SADIE B. CHAMBERS

WARTIME CANNING (Continued)

Equipment—

Equipment should be—Sharp knives, colander, bowls, measuring cups, towels, enamel pie plates, wooden spoons, a wide mouthed funnel for filling sealers, and a lifter to save burned fingers.

The sterilizer may be the common wash boiler or preserving kettle, pressure cooker or the oven.

Containers—

Several makes of glass sealers are available, screw top, and vacuum type. All are equally satisfactory, if they can be made completely airtight.

To finish a perfect seal, a sealer for use in canning should have a smooth rim and tight fitting cover. Test each sealer before you use it. See that it is not cracked. See that there are no chips in the rim of sealer or cover. Fill the sealers with water, adjust the rubber, seal and invert a few minutes to test for leakage. Be sure the wire spring of a spring top sealer springs into position with a snap. New metal screw caps should replace those which have become cracked or corroded.

Rubber Rings—

Rubber rings are an important part of canning equipment. To be effective the rubber ring must be pliant. For a good seal it is necessary to have the proper sized ring for the sealer used. The boxes are plainly marked and the types of rings are not interchangeable. Wide rings fit spring top sealers. Narrow rings fit screw top sealers.

It is preferable that new rings should be used each year, however some retain their elasticity and are thus suitable for re-use. Rubber is a valuable, therefore great care should be taken in storing usable rings. On removal from the sealer they should be washed and dried immediately, then laid flat so they will not lose their shape. Keep rubber rings in a dry place away from light.

Old type rings are tested by bending double. An unsatisfactory ring will crack. A second test is stretching. A good ring will stretch back. The war-grade rubber ring being manufactured is not as elastic as the old type but makes a satisfactory seal. These rings will not return to shape and may break if stretched and so should not be tested in this way. Some types of sealer have a sealing composition on the metal disk top. For these sealers use new caps each year.

Preparation—

This may be done while fruits and vegetables are being prepared. Wash sealers thoroughly.

For water sterilization half fill each jar with cold water, place glass tops in position and stand the sealers on the rack in the boiler. Surround with cold water, bring to boiling point and boil 15 minutes. Keep the sealers hot until ready to fill. For oven sterilization place empty sealers and glass tops on a tray in the oven. Sterilize 20 minutes at 275F. Remove from the oven one at a time for filling.

Miss Chambers welcomes personal letters from interested readers. She is pleased to receive suggestions on topics for her column, and is always ready to listen to your "pet peeves." Requests for recipes or special menus are in order. Address your letters to "Miss Sadie B. Chambers, 73 West Adelaide St., Toronto." Send stamped self-addressed envelope if you wish a reply.

Air Force Uses Glass Kite String

A kite string of glass yarn is used with the box kite that carries aloft the antenna of the radio transmitter developed by the Army Air Forces to summon help for fliers forced to make crash landings at sea, says The New York Times.

The complete transmitter includes the sending set, an ordinary cloth-and-wood frame box kite, an antenna consisting of very fine copper wire wound around the glass kite string, two balloons and capsules of compressed hydrogen. The balloons, inflated with hydrogen, can be used to carry the antenna aloft in the event of a calm.

Glass is used for the string because of its strength in proportion to its weight, and because it will not rot or otherwise deteriorate from the effects of salt water, tropic sunlight, rain or dampness. With a hand crank to generate current the transmitter automatically grinds out the SOS signal on 500 kilocycles, the international distress frequency.

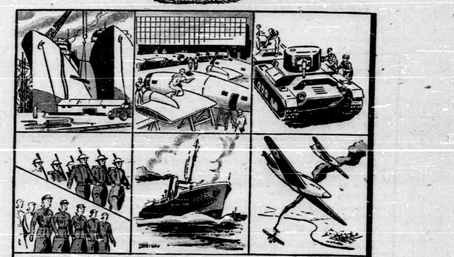
May Bomb Rome; Not Vatican City

We could, by one sharp raid, shatter the fantastic immunity which Rome has enjoyed in this war of critics, says an English paper. The emphasis must be Rome—not the Vatican City. Rome is one of the greatest military targets in the world war. It is the centre of the Italian war administration. It is an important railway centre. It has great barracks and a vast airfield. Our bombing technique is such that Rome can be bombed without hurting the Vatican City. That knowledge will console all those who would otherwise recoil from a military expedient which might bring distress to Catholics all over the world. At the forefront of our thoughts must be the conservation of the lives of our airmen, sailors, and soldiers. The warlike city of Rome still stands unchallenged. Its testing might shorten the war by an incalculable measure.

BUNNY HUG

JIMMY RAISES RABBITS for fun and pocket money. Works hard on his Dad's farm, walks a mile to school. Mile and a half to the store for Kellogg's Corn Flakes too, but Jimmie's glad to go. "They're everybody's favourite in our house," he says. "I have a dish anytime I'm hungry." Kellogg's Corn Flakes are ready to eat in 30 seconds, leave no pots and pans to wash up after. They're easy to digest and economical, too. Better get some tomorrow. Two convenient sizes. Made by Kellogg's in London, Canada.

SAVE TIME - SAVE FUEL - SAVE WORK!



Like our sister provinces, Québec has loyally geared all her energies and resources to furthering Canada's war effort. Québec is delivering the goods, in quality and quantity, promptly and efficiently. Her sons and daughters are distinguishing themselves by fighting, serving, working in all phases of the Allied battle of combat, convoy, and production.

Québec is a vital factor in the production of war material and weapons. She produces 40% of the United Nations Volume of aluminum, 90% of the total supply of asbestos, 25% of the world's newsprint (70% of all newspapers in the Americas depend on her for paper). Lumbering and mining for war purposes have reached vast proportions in French Canada. This Province supplies enormous quantities of foodstuffs to the United Nations, especially to Britain.

Merchant ships and war vessels, tanks, artillery, shells, aircraft, parachutes, supplies for the forces, ammunition of all kinds, depth charges, innumerable wood and textile war products, chemicals, explosives, are major items of our output from a vast manufacturing complex powered by enormous hydro-electric resources.

War demands on our industries and agriculture, and our increasing participation in the Navy, Merchant Marine, Air Force, Army, and Women's Auxiliary Services, are absorbing all our man and woman power.

Québec supports to the limit every war and Victory Loan and every war campaign for funds, overtopping all objectives. Education is making great strides and is now focussed on war needs. Québec is keeping faith!

We warmly welcome all our fellow Canadians whose business brings them to Québec Province. Though our people toil night and day for our common Victory, our hospitality to visitors is as warm as of old while the quaint charm and scenic beauty of Québec remain unchanged. We cordially invite our friends in Ontario and elsewhere in Canada to visit us again when Victory has been won.

Enquiries promptly attended to at

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