WHAT SCIENCE IS DOING

'Bullet-Proof' Tire

It was announced a few days ago that the British 'bullet-proof' tire is in wide use in Normandy. The tire is being manufactured in Britain and in America, to a British design made available to the United States under reverse lend-lease.

It is not actually bullet-proof. There is no such thing as a bullet-proof tire, but by reinforcing the walls, providing an inner ring and strengthening the beading, a flat tire can run for 40 miles before it is completely ruined. The new tire when flat can carry the weight of a vehicle without slipping.

The bullet-proof tire was preceded by another British invention which made the difference between victory and defeat in North Africa — a combination of cross-country and sand tire, which prevented vehicles from bogging down in the desert. It was designed on the camel theory; a camel crossing the desert sinks into the sand much less than any other animal. This is due to the fact that the area of a camel's foot is greater in proportion to his weight than that of other animals, and also has a specialized structure.

Bullets Will Make Huns Understand

There is sound logic in the statement of Ilya Ehrenburg, one of Russia's foremost authors, that no matter what is happening inside the Reich, Germany's fate will be decided on the battlefield by her enemies and not at home by her generals.

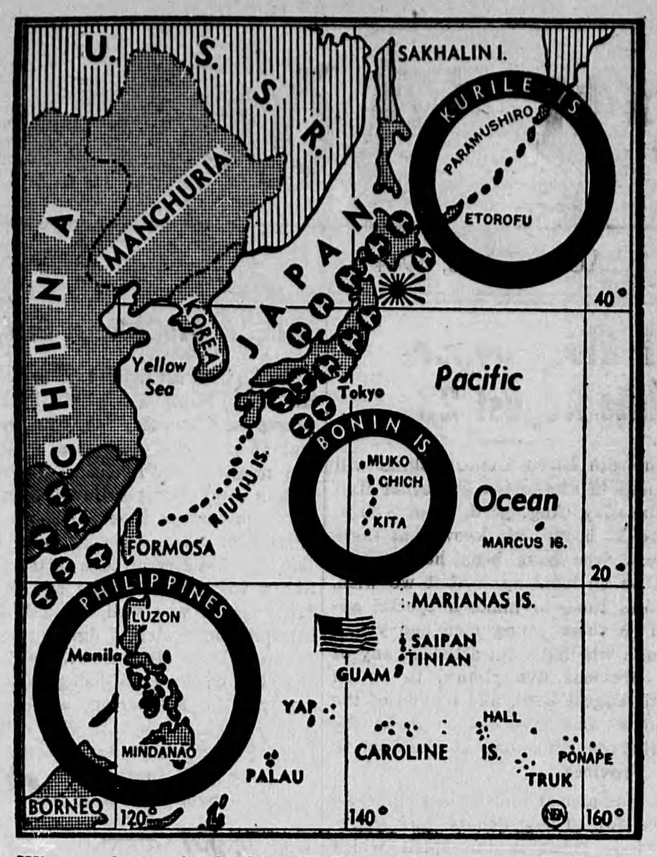
"Hitlerite Germany will be driven to her knees not by insurgent officers but by ourselves and our Allies," Ehrenburg wrote in the Moscow press.

"We don't trust the Germans, neither the intelligentsia nor the silly one, neither the blind nor those who have recovered their sight. We trust our tanks and bullets. Our troops move faster than the conscience of the Fritzies. It is to be expected that the Germans will understand everything when we reach the gates of Berlin."

RED COMMANDER

Gen. Ivan Chernyakhovsky, commander of the Third Belorussian Front, led first Red forces into Germany proper when he crossed the border of East Prussia, land of the Junkers estates. East Prussia is threatened with isolation by Russian troops smashing to the coast—to the south through Warsaw and to the north through Lithuania

HOT SPOTS, COMING UP



Where and when hard-driving U. S. naval forces in the Pacific will strike next is the $64 question Japan's new high command is wrestling with. If they had only three guesses, they'd probably use them up on the three areas circled above, which are now well within bomber and task force range.

THE WAR - WEEK — Commentary on Current Events

Germany Cannot Win But Allies Must Not Underestimate Enemy

The end of the war in Europe can come through hopeless defeat of German armies in the field; it may come through a cracking of home-front support; or through a combination of the two, comments The Christian Science Monitor.

We now have abundant evidence that these final processes are working. The American sweep into Brittany and the drive eastward in the direction of Paris appear to be gaining momentum. Some 13 German divisions, have been eliminated since the Allied landings two months ago. Anglo-American casualties approach an almost equal number in terms of men, but whereas it is a matter of Allied policy and pride to make good replacements overnight so that divisions are always at optimum strength, the German replacement problem grows progressively more acute.

As In 1940

The American break-through in Normandy is comparable to the German penetration at Sedan on May 14, 1940. The Germans were able to advance about 25 miles a day, accomplishing supply-line wonders. Paris fell to them in just 30 days.

Will the Anglo-American forces better this record? It is possible, for the local population is on their side; the French Underground is no doubt hampering German movements. Moreover, the German determination to hold on to the robot-launching areas is likely to lead to further military blunders, which Allied leadership seems capable of exploiting.

Home Front Shaky

That the German home front is shaky, there can be not the slightest doubt. The suspicion thrown on the military and the purge of generals is scarcely designed to bolster the Army's morale. The constant bombings and the evident evaporation of the Luftwaffe must be deeply felt by the citizenry. We see the effects of a relatively few 1,000-pound robots on London, and can picture, in turn, the results of 2,000-plane raids on Berlin.

Historians say that it was about the middle of August, 1918. that the Kaiser was informed the German armies could not win the war. There followed much harried activity, much talk of secret weapons, much rallying of the people to a final all-out effort.

But the Allies poured in their superior resources, and the end was visible for weeks before Foch sent his word to the German Armistice delegation, "Proceed to the French outposts by way of the Chermay-Formies-La-Capelle-Guise Road."

Hitler and Kaiser

Yet as we look back now, the Germans still had remarkable recuperative powers, great industrial comeback, immense ingenuity. It was only the policy of the Allies in relentlessly hammering, and wedging into every crack, military and political, that opened, which brought the Germans to surrender in November, 100 days after they had "lost" and reports of a furious counter attack on the road to Paris suggest the Germans still have some unexplored capacities.

Hitler, like the Kaiser, has been told he cannot win. He is reacting as the Kaiser reacted. The Allies must not, however, underestimate the foe any more than Marshal Foch did. This is the time to pour it hotly on, at home as well as in the field.

Quiet, Please

Here is a delightful story, taken from a recent issue of the Belgian secret paper L'Alouette: A young man called Bebert was called up for compulsory labor service. His uncle, a keeper at a Zoo at Antwerp, enabled him to go into hiding by disguising him as an orang-outang. One day his mother came to see him. Bebert was delighted, and jumped about on his trapeze to show how well he had learned his part. Suddenly he fell into the next cage, where two lions were prowling up and down. Bebert's mother yelled with terror. At first the lions took no notice. Then one of them came up to the bars and said: "For goodness sake be quiet, Madame. Do you want to give the whole lot of us away?"

ITCH CHECKED *in a Jiffy* -or Money Back

For quick relief from itching caused by eczema, athlete's foot, scabies, pimples and other itching conditions, use pure, cooling, medicated, liquid **D. D. D. PRESCRIPTION.** Greaseless and stainless. Soothes, comforts and quickly calms intense itching. Don't suffer. Ask your druggist today for **D. D. D. PRESCRIPTION.**

INTRODUCING

BONSECOUR MINES LIMITED

(No Personal Liability)

Located on the Eastern extension of the current Gold Rush in Quebec;
With a rich mineralized zone extending over a mile across its claims;
Development program under way;
Currently quoted 9c bid, 10c asked.

BUY THROUGH YOUR BANK OR BROKER

SOLDIERS RUB OUT TIRED ACHES with MINARD'S "KING OF PAIN" LINIMENT 35c

PILES Sufferers of bleeding and protruding piles should know Bunkers Herbal Pills treat the cause at its source. Money back if the first bottle does not satisfy. Buy from your druggist.

Nervous, Restless

On "CERTAIN DAYS" Of The Month?

If functional periodic disturbances make you feel nervous, cranky, high-strung, tired, weak and "dragged out" —at such times—start *at once*, try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms. Here's a product that HELPS NATURE. Follow label directions. Pinkham's Compound is *worth trying!* Made in Canada.

LYDIA E. PINKHAM'S VEGETABLE COMPOUND

West To Have Best Crop In Years

"The West is going to have one of the best general crops it has had in years," said D. C. Coleman, chairman and president of the Canadian Pacific Railway, on his return to Montreal from an inspection trip over a large section of the company's Western lines.

To Mr. Coleman's eyes the West never looked better. Consistent gains throughout nearly all of the grain-growing districts have brought both crops and pasture lands to the peak. With plenty of feed, the livestock population is on the increase and cattle and hogs are contributing greater wealth to Western agrarian economy.

In some parts of Saskatchewan harvesting already has begun, and while no definite announcements have yet been made, there seems no reason to expect that the quality of the grain will not be well up to standard.

Westerners generally are looking toward a very satisfactory year. Marketing conditions for the products continue to promise well and the entire financial situation throughout the country is on a sounder footing than it has been for some years.

Mr. Coleman said the war had brought an important measure of industrial progress to several of the Western Provinces and there was reasonable hope that a part of this would continue to function after the war.

RAF ROCKETEER

Man-sized is the name for rockets used by RAF Beaufighter planes in the Mediterranean theater. Two in photo above are displayed by leading aircraftsman R. E. Atkins.

Picobac

More men smoke Picobac than any other Pipe Tobacco in Canada

West To Have Best Crop In Years

"The West is going to have one of the best general crops it has had in years," said D. C. Coleman, chairman and president of the Canadian Pacific Railway, on his return to Montreal from an inspection trip over a large section of the company's Western lines.

To Mr. Coleman's eyes the West never looked better. Consistent gains throughout nearly all of the grain-growing districts have brought both crops and pasture lands to the peak. With plenty of feed, the livestock population is on the increase and cattle and hogs are contributing greater wealth to Western agrarian economy.

In some parts of Saskatchewan harvesting already has begun, and while no definite announcements have yet been made, there seems no reason to expect that the quality of the grain will not be well up to standard.

Westerners generally are looking toward a very satisfactory year. Marketing conditions for the products continue to promise well and the entire financial situation throughout the country is on a sounder footing than it has been for some years.

Mr. Coleman said the war had brought an important measure of industrial progress to several of the Western Provinces and there was reasonable hope that a part of this would continue to function after the war.

Important "Hams"

When war suspended amateur radio activities in 1941 and put "ham" stations off the air, there were some 60,000 amateur operators of both sexes and all ages in the United States; 25,000 of them are now in war service.

Have You Heard?

Two dairies were engaged in an advertising war. One of the companies hired a daredevil racer to drive a car around the town with large placards reading:

"This Daredevil Drinks Our Milk."

The rival company came out with placards twice as large, reading:

"You Don't Have To be A Daredevil To Drink Our Milk."

—o—

An old lad who bore her years remarkably well was asked by a child if she was young or old. "My dear, I have been young a very long time!" she replied.

—o—

"In the film you went to, did the hero marry the heroine at the end of all their troubles?"

"No; at the beginning!"

"Gentle way to stop constipation"

"Believe me, you should try ALL-BRAN for constipation — if it has the same cause mine had. For nothing I tried keeps me so regular, so gently."

No dosing—no nasty harsh purgatives. Here's all you do—if your constipation is due to lack of "bulk" in the diet. Simply eat KELLOGG'S ALL-BRAN regularly, and drink plenty of water. This nutritious cereal helps to produce smooth-working "bulk", and prepare wastes for easy elimination. You'll like the happy relief so much you'll want to stay regular. Eat tasty, toasty ALL-BRAN daily. Grocers have it in 2 handy sizes. Made by Kellogg's in London, Canada.

ARTICLES WANTED

COLOURED ENGRAVINGS LOOSE or in books, Currier & Ives lithographs. Give title, date published, size, number of colour plates, and price. Also volumes of Canadian Illustrated News, Ballou's, Harper's, Leslie's, Weeklies. Cash with order. Willmott, 43 Coldstream Avenue, Toronto, Ontario.

BABY CHICKS

FREE RANGE PULLETS SIXTEEN weeks of age to laying. Barred Rocks, White Leghorns, New Hampshires, Hybrids. Free catalogue. Tweddle Chick Hatcheries Limited, Fergus, Ontario.

PULLETS BARRED ROCKS, NEW Hampshires, White Leghorns and other breeds, 16 weeks up to laying. Free catalogue. Top Notch Chickeries, Guelph, Ontario.

DYEING & CLEANING

HAVE YOU ANYTHING NEEDS dyeing or cleaning? Write to us for information. We are glad to answer your questions. Department H, Parker's Dye Works Limited, 791 Yonge Street, Toronto.

FANNING MILL

FANNING MILL, FARMERS CLAIM seed graded with (Kline) increases Bushels per acre. Kline Manufacturing, Box 124, Weston, Ontario.

FOR SALE

ATTENTION LADIES! BE THE center of attraction at next bridge party. Tell your own and friends fortunes. Wonderful amusement. Pack of Madam Signa Fortune Cards with instructions, $1.00 postpaid. Novelty Dept. Box 191, Kitchener, Ontario.

FOR SALE 120 ACRE FARM OF very valuable black loam, river flats, beautifully situated one mile from town of Wardsville, Ont. Apply to John Bilton, Wardsville, Ont.

FARMALL F-14 ON RUBBER, Allis Chalmers B. with mower attachment, three-furrow plow, two-furrow plow; two-furrow plow, tractor disc, (Massey-Harris), Ford two-ton truck (good-condition), Model A, Tudor, large power cider press, two large steam cookers. George Smith Durham.

1001 DREAMS WITH MEANINGS explained. Lucky and unlucky days. Occult meaning of numbers. 120 pages, well-bound, 50c postpaid. Novelty Dept. Box 191, Kitchener, Ontario.

FOR SALE 200 ACRE FARM four miles east of Brigden, Ont., will sell cheap, apply to box 2, Glencoe, Ont.

FARM FOR SALE, 100 ACRES, ALL cleared, well drained, good buildings, seven miles east of Lindsay on highway No. 7, near village of Reaboro. Apply Ronald Smith, R.R. 1, Reaboro.

25/40 RUMLEY TRACTOR AND 34/46 Mildmay Separator with grain thrower, Ebersol Feeder and Shredder. Richard Ingram, Rothsay, Ontario.

FOR SALE

SLIPIT HARNESS DRESSING — Finest leather and harness preservative. Slipit also has many houeshold uses 25c up at most grocery, hardware and chain stores. A product of Lloyds Laboratories, Toronto.

34 NEW CANADIAN ARMY OFficers' saddles and bridles, $40 set. Apply 14 Wood street, Toronto.

NEW AND USED CAR AND TRUCK parts. Riverside Auto Parts, 516 Queen Street East, Toronto.

ELECTRIC MOTORS, NEW, USED, bought, sold, rebuilt; belts, pulleys, brushes. Allen Electric Company Ltd., 2326 Dufferin St., Toronto.

FULL SIZE POULTRY CRATES $1.85, F.O.B. St. Jacobs. Ivan Martin, St. Jacobs, Ontario.

BIRDSELL CLOVER HULLER ready to go to work. Roy Scandlen, 38 Evans Avenue, Mimico, Ont.

HAIRDRESSING

AMBITIOUS GIRLS and MIDDLE AGE

women, learn hairdressing at Canada's finest and largest schools. Refined, dignified work. Splendid pay. Write or call for free literature. Marvel Hairdressing Schools, 358 Bloor Street, Toronto. Branches 44 King Street, Hamilton, and 74 Rideau Street, Ottawa.

LEARN HAIRDRESSING THE Robertson method. Information on request regarding classes. Robertson's Hairdressing Academy 187 Avenue Road Toronto

MEDICAL

A TRIAL—EVERY SUFFERER OF Rheumatic Pains or Neuritis should try Dixon's Remedy. Munro's Drug Store, 335 Elgin, Ottawa. Postpaid $1.00.

BAUMEEKA FOOT BALM destroys offensive odor instantly. 45c bottle. Ottawa agent, Denman Drug Store, Ottawa.

STOMACH AND THREAD WORMS often are the cause of ill-health in humans, all ages. No one immune! Why not find out if this is your trouble? Interesting particulars—Free! Write Mulveney's Remedies, Specialists, Toronto 3.

HAVE YOU HEARD ABOUT DIXon's Neuritis and Rheumatic Pain Remedy? It gives good results. Sold at Munro's Drug Store, 335 Elgin, Ottawa. Postpaid $1.00.

RHEUMATIC PAIN? RELIEVE Rheumatic Pain with Fermol Rheumatic Arthritic Pain Tablets . . . safe, effective and sure. At your druggist's or send $1.00 and receive one month's supply postpaid. Fermol Distributors, Box 712, London, Ont.

PROPERTIES WANTED TO BUY

WE HAVE BUYERS WAITING for chicken farms, market gardens, and town or village houses in all parts of province. Send full particulars in confidence at once. We make no charge unless we sell. Powell and Company, 5 St Clair East, Toronto.

PATENTS

FETHERSTONHAUGH & COMPANY Patent Solicitors. Established 1890; 14 King West, Toronto. Booklet of Information on request.

PHOTOGRAPHY

TIME TESTED QUALITY SERVICE and SATISFACTION

Your films properly developed and printed

6 OR 8 EXPOSURE ROLLS 25c
REPRINTS 8 for 25c
FINEST ENLARGING SERVICE

You may not get all the films you want this year, but you can get all the quality and service you desire by sending your films to

IMPERIAL PHOTO SERVICE
Station J. Toronto.

FINER "SNAPS" COST LESS

PROMPT MAIL SERVICE

Some pictures can never be taken again. Don't risk losing yours. Send your film rolls to Star Snapshot Service for developing and printing. Canada's largest finishing studio does the finest work at lower cost.

Any Size Roll—6 or 8 Exposures. DEVELOPED AND PRINTED 25c

"Your prices for such quality work are really economical," writes a customer at Peterborough, Ont. "I am particularly fascinated by the coloured pictures. I appreciate your prompt and reliable service and in future will send all my rolls to you."

3 MOUNTED ENLARGEMENTS 25c

Size 4x6" in Beautiful Easel Mounts Enlargements 4x6" on ivory tinted mounts 7x9" in Gold, Silver, Circassian Walnut or Black Ebony finish frames, 59c each. If enlargement coloured, 79c each.

STAR SNAPSHOT SERVICE

Box 129, Postal Terminal A, Toronto
Print Your Name and Address Plainly on All Orders.

WANTED

WANTED TO BUY: ALL KINDS OF hard wood and soft wood logs, also small quantity bolts. Write Bogdon & Gross, Furniture Co. Ltd., Walkerton, Ont.

Farmhand—Single

WANTED, EXPERIENCED WORKer for dairy farm, permanent position, good wages; give references. Box 146, Richmond Hill, Ont.

WANTED TO BUY, BUSH LANDS or Farms containing bush lands, suitable to cut furniture lumber. Write Bogdon & Gross, Furniture Co. Ltd., Walkerton, Ont.

TEACHER WANTED

CARLETON COUNTY—ASSISTANT, 1st class certificate for Grade B continuation school. Subjects required — Mathematics, Science, English, Defence training and other necessary qualifications; good disciplinarian. Salary $1,600; duties to commence in Fall term of 1944. Apply to Ira Owens, Secretary, Fitzroy Harbour, Ont.