

SHIPS ARE PROTECTED AGAINST TORPEDOES

"Blister," Outer Steel Casing, Successful Device.

VESSELS SURVIVE ATTACKS

Apparatus to Throw Flames From Hose Used on Vessel in Zebrugge Raid.

LONDON.—(Correspondence of The Associated Press.)—One of the most successful devices invented by British naval experts in the war time was known as a "blister," and served to protect ships against torpedoes. It is an outer steel casing fitted to the sides of ships. All of its technical details of construction have not been revealed, but naval experts assert that ships equipped with blisters run no greater risk from undersea attacks than from surface ones. During the war the Germans torpedoed several blister ships, but in every case, it is asserted, the vessels were able to reach port and be repaired.

Sir E. H. T. D'Eyncourt, director of naval construction, invented the blister, which was fitted to the sides of old cruisers. Patiently the navy waited for a test for two years; then, in June, 1917, the cruiser Grafton while steaming at ten knots was struck amidships by a torpedo fired from a German submarine only 30 yards distant. The blister, which struck out from the cruiser's side about 15 feet, exploded the torpedo and the Grafton steamed back to port with only a slight list.

Monitor Survives Three Torpedoes. Improvements made on the blister and they were fitted to the sister monitors Erebus and Terror. Both these vessels, mounting 16-inch guns, were torpedoed by a German submarine in the North Sea in August, 1917. Erebus was struck by two torpedoes, one hitting the fore part of the monitor where the blister tapered off. As a precaution the Erebus was beached, but it was afterward found that she was severely damaged but had been thought and she was subsequently repaired. The ship ever before survived three torpedoes.

The navy now has about 50 blister ships in commission including some of the first battle cruiser squadrons. The new dreadnoughts Rodney, Howe and Hood are being fitted also with blisters. A self-propelling projectile charged with 500 pounds of T. N. T. was perfected by the naval experts only a short time before the armistice was signed. It is believed to have strengthened materially the power and effectiveness of the British fleet. The projectile can be discharged without concussion from small boats or a light platform, exploding on the contact, or when fitted with a special device, below the water, thus serving the purpose of a depth charge.

Flame Thrower Spotted by Shell. An apparatus for throwing a flame for a distance of 240 feet, as water is thrown from a hose, was rigged on one of the vessels that took part in the raid on Zebrugge. But before it could be used a shell from the enemy batteries put it out of action.

Another invention is a gun to fire signals from submerged submarines. It sends a star shell 300 feet into the air. Several kinds of smoke screens were invented, most of them for the purpose of baffling U-boats. A powerful flare equal to a million candlepower was another achievement of the naval inventors which was used with great effect against enemy submarines waiting on the surface at night to attack merchant ships. These flares, suddenly ignited, turned night into day, and in the straits of Dover alone 17 U-boats were caught by their aid and sunk.

The work of completing these inventions was carried on by the royal naval experimental station near London. Its staff, comprised of 25 officers and 1500 men, all experts either in research or construction work, most of them being chemists or engineers.

NATION LEAGUE EXPLAINED

Princeton Educator Says Merger of Interests Justified.

ST. LOUIS.—"The foundation of our governmental institution is the right of a minority to convert itself by persuasion into a majority," was the keynote of an address given at the City club luncheon by Dr. J. Duncan Speth, professor of English literature at Princeton university and an associate of President Wilson for a number of years. "Nationalism, Anti-Nationalism and Internationalism" was the subject of the address. Dr. Speth has been director of the education of illiterates in the continents of the southwestern division for the last year.

In referring to the league of nations

Dr. Speth said: "Any self-interest of a nation is justified that does not interfere with the common interests of other nations. That is, I think, the fundamental basis of the idea of President Wilson in his league of nations. The great achievement made by President Wilson in the league of nations is the fact that it does not involve limitations upon the sovereignty of each nation."

In referring to the socialistic conditions existing in the leading nations of the world previous to the great war, he said: "The appeal to patriotism of each man in the countries that have been at war has been too great to be overcome by socialists. We thought that socialism would prevent the successful carrying on of the war in some nations, but that was disappointed."

At the close of his address he told of meeting President Wilson a number of years ago when he was president of Princeton university at a function point not far from the university. He said that the president seemed to be in deep thought. He asked him the cause and he told me that he was trying to frame in his mind what constituted leadership in this great democracy. Dr. Speth said that he did not dream at that time that he would ever become president of this nation.

GENIUS INSPIRES AUDIENCE

PABLO CASALS, CELLIST, IN CONCERT AT THE HELLIG.

Musical Entertainment so Successful It Will Be Repeated Saturday Night at Auditorium.

BY JOSEPH MACQUEEN. It is impossible to sit under the spell of the genius of Pablo Casals, cellist, without feeling inspired and helped. Casals came to us heralded as the greatest living cellist, and in that respect Portland, Oregon, is no exception. He came to the line of other cities where Casals has stood the acid, critical test and emerged a conqueror. So much so that he is appearing in concert last night at the Hellig theater and under the direction of the Ellison-White musical bureau that he was immediately invited to appear in a second or repeat concert at the Masonic temple auditorium Saturday night.

In personal appearance Casals does not look like a world-famous musician. He has slight physique, the top of his head is minus flowing locks, and he looks neat and methodical. Instead of looking more like a physician or a prosperous business man who breathes of dollars. But when Casals draws his bow over the long strings of his beloved cello, Casals the artist holds your music sense captive. He instantly becomes the tone colorist. The cello in his hands becomes a living, singing thing of beauty from which fairy music comes. It is difficult to enthuse over the ordinary musician. The instrument, from the viewpoint of the lay, is a "cross" between the violin and the big bass viol, and is difficult to play. It requires the length of those of a violin.

All these elements show that the triumph achieved by Casals last night was of the remarkable, extraordinary order. His mellow, warm, searching brown cello tone has more than the music of an Aeolian lyre. It is angelic, voiced, casual, high harmonics are sweet and flute-like, and his technique is of the highest artistry. He sweeps his strings with the majesty of a Welsh harpist, or like a fencer about to deliver a lightning thrust with his rapier. All Casals' music was played from memory and it just rolled out like a golden stream.

Casals' programme was, of course, classical, as befitted a concert of the magnitude of last night. It savored of Handel, Saint-Saens, Bach, Jean Huve, Faure and Popper. Much of the music given was familiar to the audience, or at least the professional music part of it. More than one dozen recalls were given to the star, but he bowed graciously to the applause. The program of the concert applause increased in volume, but long before this Casals had won all hearts.

At first a concert at which to cheer, but rather a concert that made your music sense to be filled with deep joy that you were there. The extra numbers were: "Evening Song" (Schumann), "Air" (Bach) and "Serenade" (Popper). The piano accompanist, George Stewart McManus, played superbly and gave fine assistance to the star. McManus is a distinguished pianist and is a member of the faculty of the University of California, Berkeley, Cal.

POINDEXTER IS PLEASED

DECISION OF PEACE CONFERENCE IS APPLAUDED.

Washington Senator Asserts the Announcement is Most Refreshing News for Suffering Millions.

WASHINGTON, March 12.—Senator Poindexter of Washington, one of the 29 republican senators who approved the resolution of Senator Lodge of Massachusetts, opposing the proposed constitution of the league of nations, issued a statement tonight asserting that "the most refreshing news for the suffering millions of the world is the announcement that definite preliminary terms of peace have been agreed upon and that peace will no longer be delayed while awaiting discussion of a league of nations."

"The wisest decision reached by the peace conference," Senator Poindexter said, "is that the treaty of peace, restoring order and happiness to the world, is to be kept separate and distinct from the league for the conduct of future wars."

"The crying need of the world is peace and peace has been deliberately denied it in the effort to form a war league. The peace congress has at last awakened to the demand for peace and seized the opportunity of the last three weeks, being relieved during that period of the obsession of the war league to make the terms of peace."

PIONEER FOUNDER IS DEAD

John E. Hanrahan, Once Errand Boy, Inventor of Compositing.

BALTIMORE, March 12.—Announcement was made today of the death here on Monday of John E. Hanrahan, pioneer founder and inventor of the compositing type.

Mr. Hanrahan started work as an errand boy in a type foundry at the age of 13 years. He invented the compositing type about 18 years ago. He had previously made for Otto Mergenthaler, inventor of the linotype, the first matrix he ever used in the modern typesetting machine. He was 59 years old.

Minor Smoking May Be Barred.

ALBANY, N. Y.—Any child of 13 years, actual or apparent age, would be prohibited from smoking in public under terms of a bill introduced in the legislature by Assemblyman Edward A. Everett of St. Lawrence county.

Phone your want ads to the Oregonian. Phone Main 7070, A 6993.

FOCH'S FORESIGHT IN OFFENSIVE PRAISED

Great Decision Won War, Says Correspondent.

VISIT MADE TO AMERICA

Famous English Writer, Tired by Four Years Spent on Fronts, to Take Rest in Country.

NEW YORK.—"Foch had a vision of victory even in March, 1918, when things seemed to be at their worst." Such was the statement of Philip Gibbs, the famous English war correspondent, who is making his first visit to this country. He is war weary and suffering from the strain of more than four years on various battle fronts. Mr. Gibbs has come here on vacation, but finds New York a "very vivid" place and is going away to the country with his brother, Cosmo Hamilton, to be quiet for a few days.

Mr. Gibbs has been staying at the Vanderbilt hotel, and when seen by a reporter declared that he seemed to be more telephonic in the hotel than on the entire battle front and that they never stopped ringing for any length of time if they could all be judged by his own.

In connection with Foch's "vision of victory" the anecdote related by Mr. Gibbs was the statement of Philip Gibbs, who is making his first visit to this country. He is war weary and suffering from the strain of more than four years on various battle fronts. Mr. Gibbs has come here on vacation, but finds New York a "very vivid" place and is going away to the country with his brother, Cosmo Hamilton, to be quiet for a few days.

"This happened when the Germans were crashing through on the Chemin des Dames front," Gibbs said. "I was in the trenches and I was watching every ounce of their power into Ludendorff's master stroke, with the British armies battered and war broken, with their backs very truly to Marshal Haig said, against the wall."

"It was at this time, then, when the allies seemed at the end of their ability to battle on and the chances all in favor of the enemy, when a certain great English statesman, whose name I cannot use and who is dead and hopeless, but at any rate he asked Marshal Foch his opinion of the situation."

"What do you think of things, Marshal Foch?" he asked. "I am probably trembled for the answer."

"I feel very sorry for Ludendorff," replied Foch quietly, without the slightest hesitancy.

"Pressed for an explanation of his rather cryptic reply, Marshal Foch told the British leader that he believed the Germans had reached the 'top of the wave' and that the great stroke that Ludendorff had planned would not be successful during the present offensive."

"German man power had been stretched to its utmost, Marshal Foch believed, for the time being, and his sensitive vision of the crisis was past, temporarily, at any rate," said Mr. Gibbs. "The events proved that he was correct. The allies had only a few days to reorganize their strength while the Germans were bringing up their big guns over war-torn ground and their subsequent attack did not have the old power."

"Perhaps Foch in his vision saw the entire German disaster and the allied victories that were to come."

"At any rate, soon after that, up on the British front where I did most of my work, we saw the first of the first-line, and to say that the sight was refreshing and encouraging in putting it mildly. To the British Tommy, war, battered and mud-stained, to see these fine young Yankee boys, brawny and fresh, was a sight that brought tears to his eyes."

"The first Americans I saw were the men of the 26th division—fine, husky southern boys. When they marched about in their khaki uniforms, I had never seen a finer body of men."

Mr. Gibbs, who arrived on the Cunard liner, Carmania, said he was almost stunned by his first sight of the city as the ship came up the harbor on a misty morning. He is probably our first distinguished visitor to comment on the New York skyscraper line since the ending of the great war.

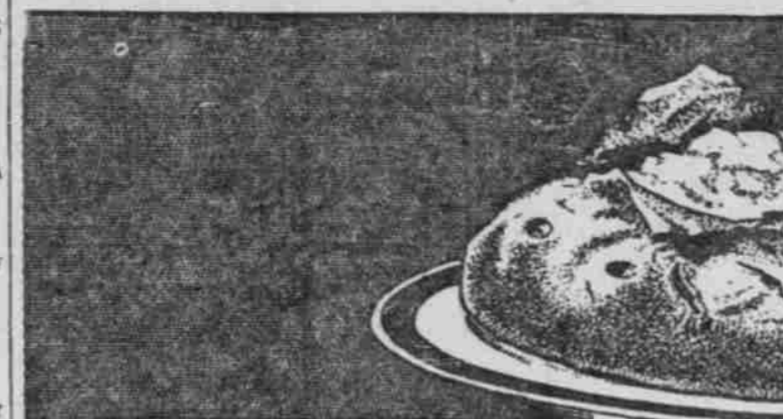
Coming here from Europe is like coming from one of the great cliff-like buildings. I had read a great deal about the architecture of London, and when I saw them for the first time, I saw them looming like a dream city. But as for taking a rest in New York, it can't be done, as I believe the saying is."

Mr. Gibbs is a man of medium stature, with keen, smooth-shaven face, and must have had a great deal to stand the shock and strain of his long service at the front. He is about 40 years old, with a few white hairs in his hair, and he is a younger man than his people patterned him for a literary career.

"When I was 17 I went with the publishing house of Cassell & Co., London, with a large title—educational director, if you please—but small salary. I kept on with this house, reading lots of books, dry as dust, but so interesting. I was not getting anywhere personally. So I cut loose and joined the Tillotson syndicate, which used to market works by Hall Caine, Hare, King and other famous English authors."

"This was all very interesting, coming to personal contact with these men and reading their stuff. But even the best sellers get tiresome after a while to the poor copy reader. Again, I tried to get on my feet by writing something that would help me make something of myself as a writer. I decided I had done all I could for Kipling and Hall Caine."

Baked Potatoes taste better



—with Carnation Milk

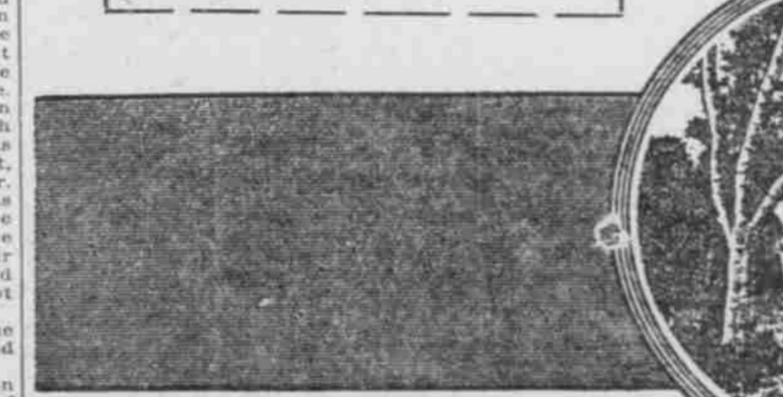
A big nutritious potato just baked to a turn—its floury goodness bursting through the jacket—certainly makes a great ration, when Carnation Milk is used.

Eat more potatoes! They are plentiful and comparatively cheap. And they are rich in food value, containing an abundance of proteins, carbohydrates and mineral salts; only lacking in fats. Carnation Milk supplies this deficiency in a generous way, making potatoes, in any style, a coaxingly-flavored and highly sustaining dish.

Standard Quality for 20 Years in the Northwest

GUARANTEED BY CARNATION MILK PRODUCTS COMPANY

POTATOES AU GRATIN
Potatoes, salt, pepper, cheese, thin white sauce, butter and bread crumbs. Cut the potatoes in slices, season with salt and pepper. Grease bake dish and put in layer of potatoes, small pieces of cheese, and Carnation thin white sauce. Alternate these layers until baking dish is full. Sprinkle top with cracker or bread crumbs, dot with butter, and bake slowly for about forty-five minutes.



Remember, your grocer can supply you NOW.

CRESAP IS SPEEDY CRAFT

PORTLAND-ASTORIA RUN MADE IN RECORD TIME.

Turbine Covers Distance to Lower Columbia City in Seven and One-half Hours.

When the turbine Cresap berthed at the plant of the Peninsula Shipbuilding company about 2 o'clock Wednesday morning she was entitled to have a boom lashed at the masthead, for she established a new record for the wood vessels of the Emergency Fleet corporation in steaming from Portland to Astoria in seven hours and 25 minutes. The best previous record was set by the Hough ship, built by the McKechern Ship company, which was seven hours and 50 minutes, and the record for the upstream run was held by the Cottrell, also a Hough ship from the McKechern plant, which covered the distance in 10 hours and 45 minutes.

The Cresap is one of the distinctive Peninsula type, having been designed by her builders, and is fitted with a Westinghouse turbine engine, the Peninsula vessels being the only ones in the government's wood fleet having such gear. On the way down the river the Cresap covered a 13-mile stretch in 55 minutes. When taken into the bay for her 24-hour test, the Cresap was steamed from the mouth of the river to Yaquina bay and then headed back.

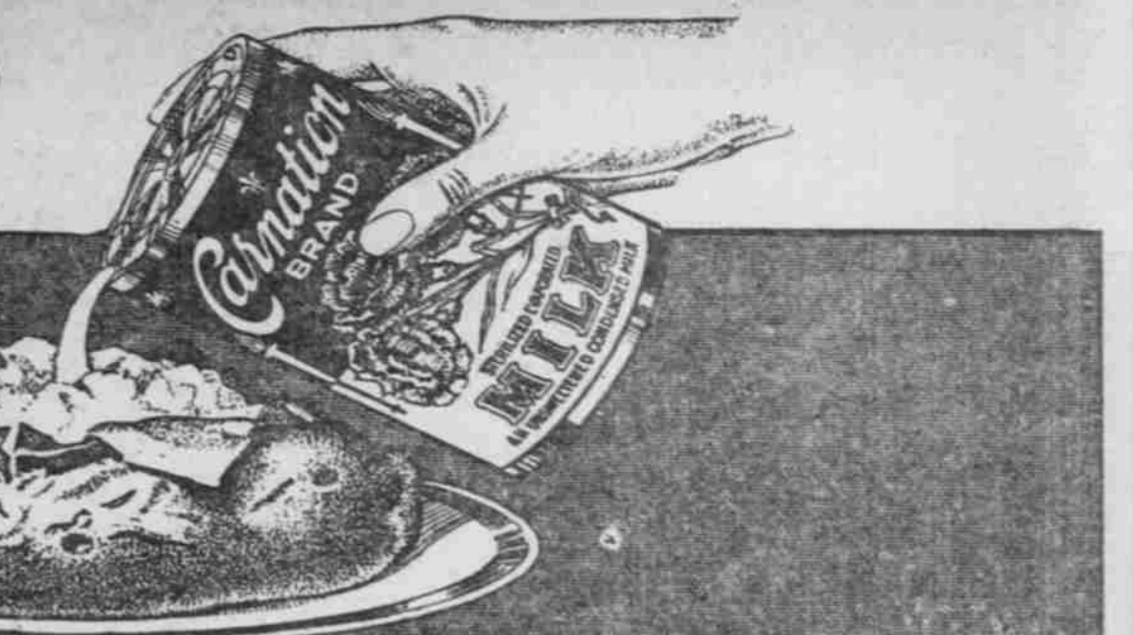
J. P. Byrne, chief machinery inspector for the Emergency Fleet corporation, himself a deepwater man of long experience, was aboard the Cresap and he was equally pleased with the showing, while Charles Ruling, superintendent of the plant, says he "knew she would do it" and promises even better results with following vessels. It has been said some of the Peninsula type would be converted into sailing vessels under the government's new program, but the run of the Cresap may have an influence in amending the plan.

BROKEN NECK NOT FATAL

Lieutenant Logan Recovering in Camp Sherman Hospital.

CAMP SHERMAN, CHILLICOTTE, Ohio.—Lieutenant John A. Logan, U. S. A., of Cleveland, is one of the few men who have sustained broken necks and is still alive to tell the story of how it happened. The lieutenant is in the base hospital here, and attending surgeons say that he will enjoy life for many years to come, despite the broken neck.

Lieutenant Logan, an aviator, sustained the injury while on duty in France. He went up one day over the Vosges sector and engaged several German planes, a piece of shell from one of the enemy's guns put his motor out of commission, and the officer was forced to parachute. He lost control, and had the preference of diving on a house or landing on the ground. He nose the latter, and when he was dragged from the wrecked machine, it



—with Carnation Milk

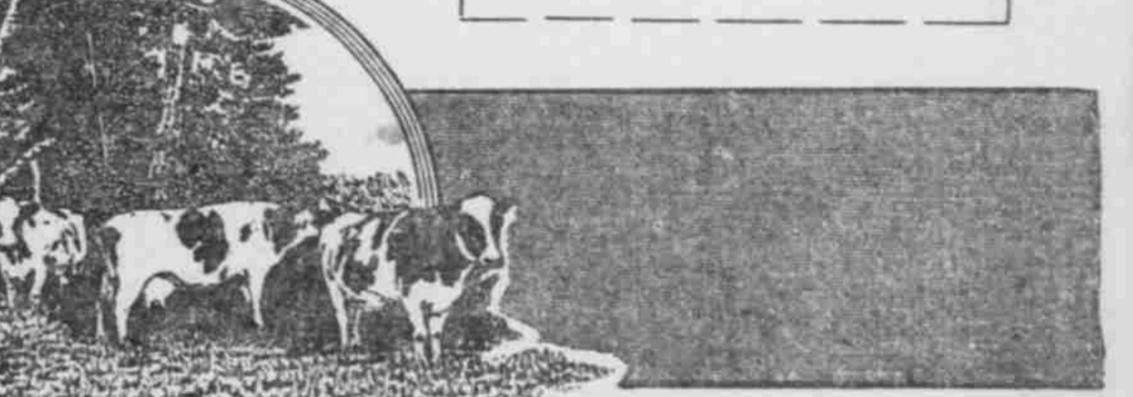
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GUARANTEED BY CARNATION MILK PRODUCTS COMPANY

CREAMED POTATOES
6 boiled potatoes, two tablespoons butter, 1 cup of Carnation Milk diluted with same amount of water, 1 1/2 tablespoons flour, salt and pepper. Cut the potatoes into small squares. Melt the butter, add the Carnation Milk, which has been mixed with the water, heat the potatoes in milk. When hot, stir in the flour, which has previously been mixed with a little cold Carnation Milk.



Remember, your grocer can supply you NOW.

WAR NO LONGER ATTRACTS

Rebel General in Mexico Surrenders Unconditionally.

MEXICO CITY.—Rafael del Castillo, one of Zapata's "generals," has surrendered unconditionally and, with his followers, has promised to return to peaceful pursuits, according to announcement by the military authorities. Castillo, when Zapata's followers controlled the capital at various times during 1914-15, served as military commander of the city. He was considered to be one of Emiliano Zapata's most able lieutenants.

Genevieve de la O, long regarded as Zapata's right hand man, is said to have opened negotiations for his own surrender to the government troops engaged in the pacification of the state of Morelos. The whereabouts of Zapata himself is a matter of mystery, but with the surrender of de la O, the last dangerous Zapata adherent will have been accounted for.

Wyoming's Governor Young. CHEYENNE, Wyo.—Robert D. Carey, governor of Wyoming, is so excited to the president that young men have been in charge of state affairs since Wyoming joined the union. Only one of the 11 governors the state has had were past 50 years of age when inaugurated. J. M. Carey, father of the present governor, was the oldest governor the state has had, being 66 when inaugurated. Governor Carey is 49. Wyoming's youngest governor was J. E. Osborne, who assumed office at 32. E. Warren was 46; A. W. Barber, 21; W. A. Richards, 46; De F. Richards, 53; Pennmore Chatterton, 43; B. B. Brooks, 42; John R. Kendrick, 57; Frank L. Hobb, 57.

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Jiffy-Jell is flavored with fruit juice essences in liquid form, in vials. A wealth of fruit juice is condensed to flavor each dessert. So it brings you true-fruit dainties, healthful and delicious, at a trifling cost. Simply add boiling water. Compare it with the old-style gelatine desserts. It will be a delightful revelation. Get the right kind—

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10 Flavors, at Your Grocer's 2 Packages for 25 Cents

There's a vast difference in salt

LESLIE SALT

is wonderfully pure consequently, of great strength

When you are really hungry

there's nothing so appetizing and sustaining as a savory dish of DEL MONTE Baked Beans with pork and tomato sauce, cooked—ready to serve. Why not have a can today?

Del Monte BEANS

WITH PORK AND TOMATO SAUCE

The good old-fashioned kind

Butter Nut Bread is worth going miles for. I use no other.

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What Do You Drink For Breakfast?

Now's a good time to try the All-American beverage—

POSTUM

Extensively used in place of coffee because of its fine flavor, general economy & health value. Contains no caffeine. You'll like Postum. "There's a Reason"

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