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The highest type of "Beaver Quality Roofing and surfaced with natural colored Crushed Slate, Red or Green.

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Until your various digestive organs are in order your food, instead of properly nourishing you will be liable to clog and poison your system. Your blood will be poor and impure and your nervous system thoroughly run down. Take immediate steps to secure the healthy activity of stomach, liver, and bowels. To this end you should.

Beecham's Pills
Sold everywhere in boxes
25c-40 pills
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To prepare for colder weather and make your buildings warm and weatherproof.

Our stock of Builders' Hardware, Tools, Ready Roofing, Glass, Putty, Roofing Paint, etc., is very complete.

Phone your needs and they will receive our immediate attention.

Lemmon & Sons

187 PRINCESS STREET



Many Folks Are Underfed

You've seen them—folks who look as if they never had enough to eat.

They have what the doctors call "malnutrition." They are underfed. They eat the wrong foods. Their appetites need coaxing.

"Lots of good milk" is the remedy. MILK is easily digested. It is the perfect food. It contains everything the body needs and supplies it in the right proportion.

Folks with appetites jaded with too much rich, highly spiced food should try Price's Pasturized Milk.

PRICE'S DAIRY



Boy Late at School, Had to Meet Wife

New York, Sept. 13.—At the West Side Continuation School, which is for boys and girls under seventeen, meet his wife. The excuse is a legitimate one under the regulations.

school four hours a week to comply with the law, a boy yesterday telephoned the principal, Chas. W. Laffin, that he would have to be late because he had to go to the train to meet his wife. The excuse is a legitimate one under the regulations.

RADIO EXPLAINED

By LIEUT. JOHN R. IRWIN
INSTRUCTOR U. S. AIR SERVICE

EDISON BATTERY CHARGING.

The circuit shown in these columns several days ago will also charge Edison cells; in other words, the standard circuit battery charging applies equally well to both lead cell batteries and alkaline cells.

For Edison cells, the charging source should have a voltage equal to 1.85 times the number of cells in the series. Before starting to charge, be sure to open the covers of the compartment, if the battery is in one. See that the solution is at least one-half inch above the plates.

Do not allow the temperature of the solution to exceed 115 degrees Fahrenheit. Excessive temperature on charge will shorten the life of the battery.

As explained in lead cell charging, be sure the battery is connected correctly. That is, from the positive pole of the bat-

tery to the positive line of the dynamo, and the negative to the negative.

Unlike lead cells, a hydrometer reading will not assist you in ascertaining the condition of an Edison battery. The specific gravity of an alkaline cell will not change during charge or discharge, except in cases of extremely high or low temperatures.

Ordinarily the proper length of charge may, if notes are kept, be determined by the extent of the previous discharge. If the battery is totally discharged, recharge it at the normal rate for the proper number of hours, according to the data on the name plate. If the extent of the previous discharge is unknown, charge at the normal rate until the voltage reading has remained constant for thirty minutes at 1.80 volts per cell, with normal current flowing.

APPARATUS AND DEVICES

By RALPH BROWN, RADIO ENGINEER
A POPULAR ONE-STEP AMPLIFIER

For those who prefer to buy complete units rather than assemble their own outfits attention is called to the accompanying illustration of one well built one-step amplifier.

With the exception of the filament battery, it is self-contained, having an apartment for the plate battery.

It is of the audio frequency type, which is still the popular form of simple amplification. The covers are hinged and allow free access to the interior.

Will readers interested in these radio articles kindly communicate with the editor by mail?



The filament rheostat is adapted for either a four or a six volt battery.

PROVINCIAL HIGHWAYS.

Bi-Monthly Report to the Department of Public Highways.

Toronto to Kingston—Road closed on account of pavement construction from the Halfway House to Scarborough Post Office. Detour at the Halfway House. Rouge Hill to Port Hope, good. Detour from east end of Rouge Bridge, easterly one mile, detour fair. Grading two miles east of Oshawa with one track road for five hundred feet. Culverts under construction at Welcome Corner. Port Hope to Belleville, good. Culvert construction, roadside detours good. Belleville to Kingston, good. Four miles rough near Odessa, no detours.

Kingston to Quebec—Boundary—Kingston to Gananoque, macadam construction 9.5 miles to 12 miles east. Grading and culverts 1-2 miles west of Gananoque. Road in very good shape but would advise traffic to go slowly. Gananoque to Brockville, fair. Would advise going by way of Seely's Bay, Lyndhurst and Athens. Brockville to Prescott, good. Prescott to Morrisburg, good. Morrisburg to Aultsville under construction, motorists are requested to drive carefully. Aultsville to Dickinson's Landing, fair. Dickinson's Landing to Cornwall, good. Cornwall to Gray's Creek, fair. Gray's Creek to Meadow Bay under construction. Through traffic to Lancaster is advised to detour by Glen Road and Finney's Bridge. Lancaster to Quebec Boundary fair. Three roadside bridge detours between Lancaster and Quebec Boundary.

Port Hope to Peterboro—Road good. Grading gangs at intervals on whole road and motorists should drive slowly. Detour over culvert under construction one mile south of Centerville, good. Detour around one mile north of Bewdley, good. Macadam under construction two miles north of Springville.

Pictou to Foxboro—Fair. Short detour at Belleville.

Kingston to Ottawa (via Smith's Falls)—Kingston five miles north-east, grading macadam; six miles out rock fill; Elgin, five miles grading. Lombardy to Smith's Falls, culvert construction. Road fair with no detours. Gravel over whole road, would advise traffic to drive slowly.

Smith's Falls to Port Elmsley, road in good condition. At Port Elmsley turn right to first road, then left to Highway. Port Elmsley to Perth, road under construction but passable. Perth to Innisville, road good.

Innisville to Carleton Place, road under construction but passable. No detours. Carleton Place to Ashton, road under culvert construction.

Ashton to Bell's Corners, road under construction, passable and no detours. Bell's Corners to Ottawa, road in good condition.

Ottawa to Prescott—From Ottawa to Manotick use road east of Rideau. Manotick to Prescott, good.

Toronto to Hamilton (via Dundas St.)—Dundas street to Cooksville to Sixteen Mile Creek to Clappison's Corners, surface under construction; fair to Erindale; drive slowly over Erindale Bridge; newly graded throughout. Trafalgar Township had in wet weather. Sixteen Mile Creek Bridge to Palmero, good. Palmero to Waterdown, closed. Waterdown to Clappison's, good. All through traffic advised to proceed via Toronto-Hamilton Highway; for Guelph turn north at Aldershot through Waterdown, north to 6th concession, East Flamboro, thence west to Hamilton-Guelph Road.

Hamilton to London—Hamilton to Ancaster, road closed for surfacing. Detour by James street. Ancaster three miles west, excellent asphalt

road. Balance of road to Wantworth County line, closed. Good detour in good weather. Wentworth County Line to Brantford, excellent pavement. Paris to Brantford, road passable but motorists to drive carefully owing to grading operations. Paris to Gobles, excellent gravel road. Detour between Gobles and Eastwood, fair in good weather. Eastwood to Woodstock, macadam, very rough. Through traffic advised to go via Burford between Brantford and Woodstock. Woodstock to Ingersoll road passable but motorists to drive slowly owing to grading operations. Ingersoll to London, excellent gravel road.

Hamilton to Niagara Falls—Hamilton to St. Catharines, good. Local detour at Beamsville, good, macadam road. St. Catharines to Niagara Falls, fair. Detour between St. Catharines and Niagara Falls via Merritt and Thorold, Stamford to Stanley St., Niagara Falls. Roads fair.

This wonder we may find in hope that she is both a flatterer and a true friend.



PROMINENT VISITORS AT RADIO CONVENTION.

The first Canadian National Radio Convention, which has just been in session in Toronto, attracted several well-known authorities in the field of the latest science. Above are shown, bottom row, left to right: Donald Dominion, radio inspector; Commander C. P. Edwards, director of the Canadian government radio service, and W. B. Cartmel, consulting engineer of Northern Electric Co., Montreal. Top row: J. H. Thompson, chief engineer of Marconi Wireless Telegraph Co., Montreal, and W. A. Bush, superintendent of the Dominion radio service.



FIRST BRITISH COAL ARRIVES.

Steamer Clinton, with cargo of 1,600 tons of English coal, arriving last week-end at Toronto from Montreal. This was the first British coal to reach Ontario during the recent concluded strike of U. S. miners.

To Holders of Five Year 5 1/2 per cent Canada's Victory Bonds

Issued in 1917 and Maturing 1st December, 1922.

CONVERSION PROPOSALS

THE MINISTER OF FINANCE offers to holders of these bonds who desire to continue their investment in Dominion of Canada securities the privilege of exchanging the maturing bonds for new bonds bearing 5 1/2 per cent interest, payable half yearly, of either of the following classes:—

- (a) Five year bonds, dated 1st November, 1922, to mature 1st November, 1927.
(b) Ten year bonds, dated 1st November, 1922, to mature 1st November, 1932.

While the maturing bonds will carry interest to 1st December, 1922, the new bonds will commence to earn interest from 1st November, 1922, GIVING A BONUS OF A FULL MONTH'S INTEREST TO THOSE AVAILING THEMSELVES OF THE CONVERSION PRIVILEGE.

This offer is made to holders of the maturing bonds and is not open to other investors. The bonds to be issued under this proposal will be substantially of the same character as those which are maturing, except that the exemption from taxation does not apply to the new issue.

Holders of the maturing bonds who wish to avail themselves of this conversion privilege should take their bonds AS EARLY AS POSSIBLE, BUT NOT LATER THAN SEPTEMBER 30th, to a Branch of any Chartered Bank in Canada and receive in exchange an official receipt for the bonds surrendered, containing an undertaking to deliver the corresponding bonds of the new issue.

Holders of maturing fully registered bonds, interest payable by cheque from Ottawa, will receive their December 1 interest cheque as usual. Holders of coupon bonds will detach and retain the last unmaturing coupon before surrendering the bond itself for conversion purposes.

The surrendered bonds will be forwarded by banks to the Minister of Finance at Ottawa, where they will be exchanged for bonds of the new issue, in fully registered, or coupon registered or coupon bearer form carrying interest payable 1st May and 1st November of each year of the duration of the loan, the first interest payment accruing and payable 1st May, 1923. Bonds of the new issue will be sent to the banks for delivery immediately after the receipt of the surrendered bonds.

The bonds of the maturing issue which are not converted under this proposal will be paid off in cash on the 1st December, 1922.

W. S. FIELDING,
Minister of Finance.

Dated at Ottawa, 8th August, 1922.