

TEN TALK AT ONCE ON WIRELESS WIRE

Multiplex System of Telephony is Among Marvels of Age.

CANNOT GET MIXED
Any Wire Does, Including Power and Telegraph Lines.

"Line busy!" How many times have those words annoyed you when you have been in a particular hurry to get on the long distance line. All our worries and troubles in this respect are soon to be pressed out when multiplex telephony is adopted for universal use.

Without repeating the title of the newest communicating invention we may at once say that in plain English it means wireless waves guided by wires. The Canadian Independent Telephone Company are conducting for Sir Adam Beck a demonstration of multiplex telephony over the long distance telephone wires of the Provincial Hydro-Electric Service. The principle adopted is simple to the extreme, and ought to reduce the charges for long distance calls to a minimum. At the present time it is only possible to have one conversation at a time over a phone wire. By the multiplex system ten conversations can go over the same one wire, and not necessarily to the same town, and not in any way get mixed up. For instance, if ten persons wished to speak at the same time to ten different western towns, even if there were hundreds of miles apart, they could do so, and none of the "talk" could get mixed up. If one of these instruments were in Winnipeg at the present moment, Toronto could be flooded with news of the doings of the people in that city.

The invention makes it possible to supply transcontinental Canadian telephone connections over the copper wires of the telegraph companies. To put a copper telephone line from Toronto to Winnipeg would cost for wire alone \$200,000. By the new invention an expenditure of \$50,000 for special line equipment would make possible the simultaneous holdings of ten conversations.

United States Invention. The "wired wireless" was invented in 1911 by General Squires, chief signaling officer in the United States army. It was not then commercially possible owing to the cost of motor generators, which were necessary to create the wireless waves. When the possibilities of General Squires' ideas were put before Dr. Lee DeForest he promptly invented the "audion," and later discovered means for utilizing the same to create high frequency waves, and thus solve the problem of the commercial use of the general's invention. As a comparative figure it may be then stated that the motor generators necessary for the original invention would have cost some ten thousand dollars; the present equipment as brought up-to-date by Dr. Lee DeForest can now be put in for some two thousand dollars, and as the telegraphic wires, belonging in some cases to the Dominion government, can be utilized without interfering with the telegraphic business, these new instruments could easily be installed in all the large towns of the Dominion at a very small cost. In fact, it is claimed that a couple of million dollars would supply all Canada with a long distance service unexcelled through the world.

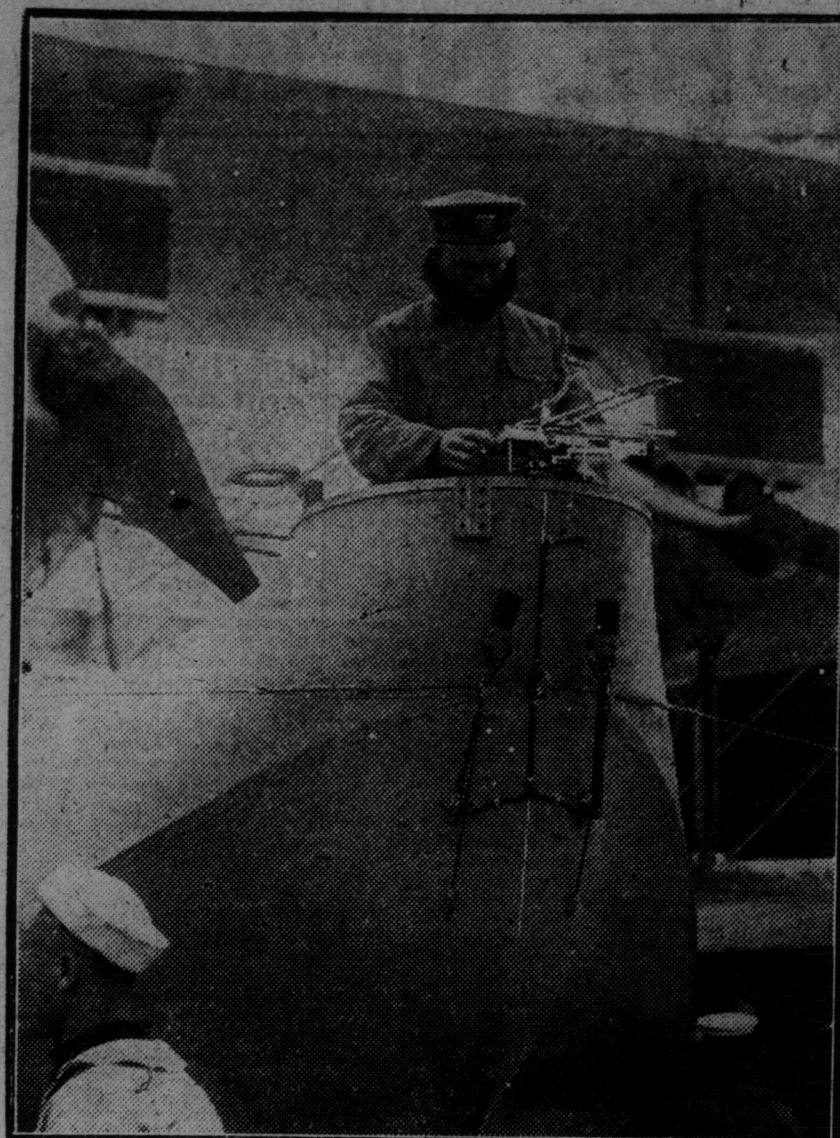
Gave Demonstration. Professor C. A. Culver of Beloit College, is in charge of the experiments in Toronto, and yesterday gave a demonstration of the invention to railway engineers, city authorities, electrical engineers, and newspaper men. Dundas was the place selected to be spoken to, and although four persons were on the same line at one time the conversation was clear, silent, and free from buzz. Although the phone lines paralleled and crossed the high power transmission lines of the Hydro service, the messages were in no way interrupted or made "blind." It is claimed by this invention, conversations can be carried on at any length of distance, and Professor Culver could not say if it were possible to telephone by his system from Canada to Europe. He trusted before long it would be made so.

OLD BOYS' REUNION AT U.C.C. SATURDAY

The old boys of Upper Canada College should have the happiest reunion in years on the occasion of the annual cricket match on Saturday, May 24, when a team composed of present members of the school will engage the old boys team. Exceptional arrangements are being completed to make this a gala day. The game is scheduled to commence at eleven o'clock, and during the afternoon tea will be served. Every old boy is heartily invited to attend, as there will be on hand this year many who have not been seen by their fellow old boys for several seasons because they have been on active service overseas. All old boys of Upper Canada who see this item should take it as a personal invitation to attend the game. It will be an opportunity to renew many old acquaintances and all can be sure of a very enjoyable day.

JOINS WILLYS-OVERLAND
J. F. MacKay, formerly business manager of The Toronto Globe, and until lately, treasurer of the Russell Motor Car Company, has been appointed secretary-treasurer of Willys-Overland, Limited, West Toronto. In his new work, Mr. MacKay will be associated with T. A. Russell, president of Willys-Overland, who is also president of the Russell Motor Car Company.

TORONTO ISLAND DELIVERY.
Delivery of The Morning World, a Hanlan's Island Centre Island, and Ward's Island will resume on May 1st. An early and efficient service is assured. Orders telephoned to Main 5308 will receive prompt attention.



THE U.S. SEAPLANE NC-4.
A close-up picture of the bow of the United States seaplane, NC-4, with its commander, P. N. L. Bellinger. This is the plane which successfully accomplished the trip to the Azores, and is now ready to continue the trip to the coast of Spain.

CHAS. E. DEWEY LAID TO REST

Transportation Men From All Over Continent Follow Hearse.

Transportation men from all sections of the continent attended the funeral yesterday of the late C. E. Dewey, freight traffic manager of the Grand Trunk Railway System. St. Peter's Church was filled to capacity, and the floral tributes were of an unusually beautiful character. Service was fully choral, and was conducted by the Rev. F. Wilkinson and the Rev. A. Simpson.

The pallbearers were J. E. Dalrymple, John Pullen, P. Paton, H. C. Martin, P. J. Watson and L. Macdonald. There were large delegations from all the departments of the Grand Trunk System, and from the principal Canadian and United States railroads, while men prominent in the commercial life of the Dominion joined with the railway men in paying their last respects to Mr. Dewey.

ARMORIES BANQUET PROVES POPULARITY

There has been a rush of volunteers to take tables at the soldiers' banquet to be held Thursday evening. It was reported last night, and the committee has arranged that any host who feels like taking a hand will be given an opportunity of getting real close to the men. One of the hosts received a letter and it was turned over to headquarters yesterday, which shows how the returned men view this new idea in banquets. It was from one of the soldiers who sat at his table two weeks or so ago and said that while the writer had a job now, it gave him heart to feel that there was a man behind him in case he should get into difficulties. Arrangements are being made by the Citizens' Repatriation League to make this coming affair even more successful than the last.

WILLS AND BEQUESTS

William Finch Smith, who died in England on August 4, 1917, had his will filed Thursday evening. The estate is valued at \$167,541, of which a legacy of \$973 is left to the governors of Ravens School, Kingston, to found a "Smith Chemistry Prize." The residue is bequeathed to friends and relatives. Alfred Trappell, who died in Bournemouth, England, on May 15, 1917, left a life interest in his estate valued at \$501,811, to his widow, Mrs. Mary Jane Trappell. Upon her death, the estate will pass to his son, Alfred Henry Trappell. Mrs. Ellen Sullivan, sole beneficiary and executor, has applied for probate of the will of her husband, Charles Sullivan, who died in Toronto on May 10 last, leaving an estate valued at \$2,197.

CAPTURED GUNS COME TO C. N. E.

Three-Year Souvenir Hunt Results Ready for Exhibition.

Because of its central location and the splendid facilities afforded by the Canadian National Exhibition, Toronto has been made a distribution centre for Canada's national war trophies. The result of three years' souvenir hunt on every battle front by Col. Doughty, C.M.G., Dominion archivist, is to be gathered here and exhibited at the exhibition and later distributed over the length and breadth of the Dominion by the Government commission in charge of the trophies.

Yesterday evening John G. Kent, general manager of the exhibition, received a wire from Brigadier-General Cruikshank notifying him that the initial shipment of fifteen cars was on the way from Montreal. This shipment comprises about thirty guns recently unloaded from the S.S. "Vindicta." Other shipments are to follow.

Between the gifts made by the belligerent countries and the captures made by Canada's fighters on the field of battle, Canada has come into possession of between four and five hundred guns.

BIBLE SOCIETY HOLDS GENERAL CONFERENCE

The Canadian Bible Society district secretaries for the Dominion and New Brunswick met under the guidance of the Rev. Dr. W. B. Cooper, general secretary, on Thursday, May 15. The following were present: Rev. H. R. Boyer, St. John, N.B.; Rev. G. A. MacLennan, Montreal; Rev. W. W. Crawford, Ottawa; Rev. W. W. Hays, Toronto; Rev. R. J. Bowen, London, Ont.; Rev. E. Saiter, Winnipeg, Man.; Rev. H. M. Marr, Calgary, Alta.; and Rev. J. Knox Wright, D.D., Vancouver, B.C.

NEW ALL SLEEPING CAR TRAIN TRANS-CANADA LIMITED

Montreal and Toronto to Vancouver. On Saturday, June 1st, new train will be placed in service to operate daily to Vancouver via Canadian Pacific. Train No. 7 will leave Montreal 3:30 p.m. Train No. 9 will leave Toronto 7:15 p.m. Trains will consolidate at Sudbury and operate Sudbury to Vancouver as No. 7, due to arrive Vancouver 10:00 a.m. the fourth day. Further particulars from Canadian Pacific Ticket agent, or W. B. HOWARD, District Passenger Agent, Toronto.

TAKING OVER VENDORS

By Thursday the Ontario License Board will be ready to take over some of the liquor vendors' shops, before the end of the month will assume control of the balance in the province. The 22nd of this month was the date fixed for the limit of the extensions granted beyond May 15, and for those that will not be taken over on Thursday, extensions will be granted from Friday to day until they are.

Your Eyes
Irritated Eyes, Eyes inflamed by exposure to Sun, Dust and Wind quickly relieved by Murine Eye Remedy. No Smarting, Just Eye Comfort. At Four Druggists or by mail 60c per Bottle. For Book of the Eye free write to Murine Eye Remedy Co., Chicago.

The Monthly Cheque That Never Fails

How the Money was Lost



"You see I had only a few thousand dollars left after the estate was settled—"



and my brother borrowed some to help him along; of course that went and then—"



I simply had to help father with his business, he was so worried—"



and I thought it best to invest something in real estate at once. Well, that failed—"



and, really, if it were not for the monthly income cheque from the Canada Life I don't know how I should be getting along now."

It is all so simple and effective!

Just a few dollars set aside regularly, and the Canada Life will guarantee to your home a continuous monthly income.

What a relief to know that no matter what may happen, the monthly cheque that never fails, issued regularly by the Canada Life, will come to your home!

Your present Life Insurance will no doubt "clear the mortgage," pay off the obligations of your estate, and leave something for your family, but

Consider This:

In addition to a "lump sum" of money, you should provide a definite income that cannot fail.

A weekly or monthly income is the natural thing for most people.

A woman can keep a family together on even a small income, provided it is regular.

Financial problems should not be thrust upon a woman who is not used to business deals.

The hands of unscrupulous men are always outstretched for money held by the unwary.

The Monthly Income Plan

You will be surprised to learn what a reasonable proposition can be made to you; how only a few dollars saved and set aside from your regular earnings can be multiplied into a substantial income for your Beneficiary.

Ask for Particulars

Canada Life

Head Office
TORONTO
Canada

--- MAIL TODAY ---
--- CUT OFF ---
Dear Sir—Without obligation on my part, you may send me particulars of your Canada Life Assurance Company, including the Monthly Income Plan.
Name _____
Address _____
Born _____ day of _____ 18____
Beneficiary _____ day of _____ 18____

LODGE DISSATISFIED WITH LEAGUE COVENANT

Washington, May 19.—Senator Lodge, Republican leader and chairman of the foreign relations committee, in a statement tonight, declared that the revised League of Nations "is unacceptable" and predicted it would not be accepted by the majority of the senate without amendment. Characterizing the new league covenant as "distinctly worse than the old and more dangerous to the peace of the world and to American rights and interests," Senator Lodge declared that none of the suggestions from the senate or from Elihu Root had been carried out.

Administrative Service Reorganized in Cilicia

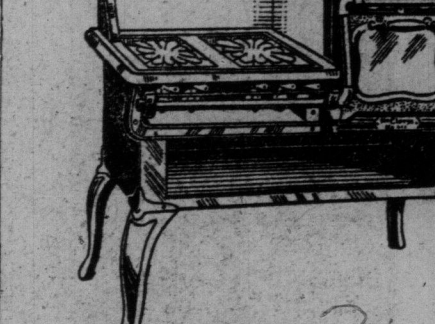
Adana, Asia Minor, Sunday, May 18.—The administrative service in Cilicia has been reorganized with French advisers added to the departments of finance and justice and the direction of the police. The commander in chief of the French troops of occupation, Mersin, has been appointed president of the international control board. Col. Bratton is in charge of the reorganization work.

Hearty Welcome by Clarksburg To Capt. R. C. Ferguson, M.C.

Clarksburg, Ont., May 19.—Citizens of Clarksburg and Thornbury, on the arrival of the late train Saturday

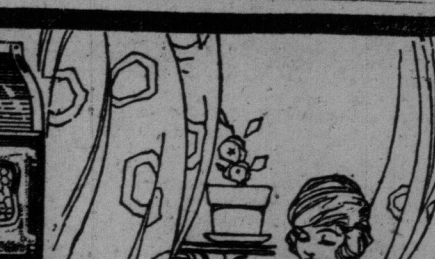
night, gave a hearty welcome to Capt. R. C. Ferguson of this place. Capt. Ferguson, who is an officer of the 20th Battalion, enlisted as a lieutenant in 1915, but won his captaincy shortly after going to France. Prior to the

war Capt. Ferguson was in command of "B" Company, 31st Regiment, but enlisted with the 147th Grey Battalion and has seen much active service, winning the military cross at the battle of Vimy.



W. D. PRITCHARD, 223 Danforth Avenue.
McMILLAN & COSTAIN HARDWARE CO., 166 Main St.
WM. WALKER & SON, 1228 Yonge Street.

WHEN KINGS DECAY.
The speaker of the day: There is something rotten in the state of Holland.
Voice from the gallery: Yes, it's the Kaiser!



In all McClary's Models, unusual conveniences are found. The exposed surfaces are covered with hard-baked black enamel, which needs no black-leading. Every part of McClary's Gas Ranges, including inside of the oven, can be cleaned with a damp cloth. Many types to choose from.

McClary's Gas Ranges

Sold by
McDONALD & WILLSON, 12 Queen St. E.
TOMS BROS., 1612 Danforth Avenue.
W. J. MERRILL, 862 Kingston Road.
ACME HARDWARE CO., 2425 Yonge St.
CAWKER BROS., 1269 Bloor Street West.
ROBT. SIMPSON CO., LTD., Yonge and Queen Sts.
WASHINGTON & JOHNSTON, Broadview and Queen Sts.

Inspector of the London police went to appear before the baby Mrs. Giff for a court this morning. The event of the day today, it is up to Mr. now that we nothing has been heard for the first time to appear today.

Kincardine, working in the soldiers' they expect yesterday. Air but \$1,000 was

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