November 15

(Britain)

Overseas Mail Closes

November 10

(Continental)

Pulse Time Modulation Spits Out Program Twelve At a Time

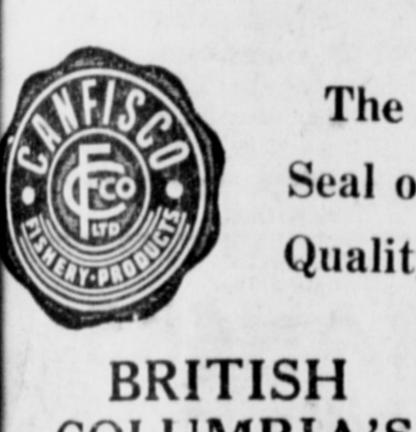
By C. E. BUTTERFIELD NEW YORK, Nov. 9 (AP) dio nulse time modulation.

ele transmitter to handle antenna apparatus.

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ters of television into a single

In process of development for nine years, pulse time, or PTM, is just becoming practical. It is particularly adaptable to very high frequencies. A recent test on an 80-mile radiophone circuit employed 1350 megacycles. This is the micro-ray band.

For the test, a triangular cirmething else is being added to cuit consisted of two repeater stations, besides the main trans-Like amplitude modulation, as mitter, to send signal from New standard broadcasting, York to Nutley, N. J., and back. d FM (frequency modulation), Engineers explained that it could is a system of transmission carry 24 or more two-way telene broadcast and other serv- phone conversations, numerous hat can be applied to the radio- telegrams or 12 or more different broadcast programs without Its prime objective is multi- getting any mixed up. Parabolic that is, the use of a reflectors comprised the beam

nan one telephone conver- The system, brainchild of E. broadcast program si- M. Deloraine, E. Labin and oth-Or it might even ers of the Federal Telecommuniable consolidation of the sep- cation laboratories of the Interte sound and sight transmit- national Telephone and Telegraph Corp., gets its name, pulse time, from the way it functions. Entirely electronic, it is a tremendous advancement over the earlier mechanical multiplex methods employed in telegraphy. Chops Up Programs

Pulse time, in effect, chops two to be notified accordingly. or more conversations or programs, fed into the transmitter, as a single radio wave.

another.

the time interval between pulses. Compared with amplitude modulation of standard broadcasting, strength or amplitude of the wave, and with FM, which depends upon the rapidity of vibration or frequency of the wave, PTM modulation remains constant in both amplitude and frequency.

Heart of the system is a special foot-long vacuum tube, the "cyclophon," used in both transmit-

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One of Principal Items at Trades and Labor Council Meeting

Discussion of developments at the Ford Motor Co. strike in Windsor highlighted last evening's regular monthly meeting of the Prince Rupert Trades and Labor Council. As a result, it was arranged that the executive should meet with the executive of the Prince Rupert Labor Council (CCL) and the executives of all affiliated unions of both councils to decide on what action should be taken in support of the Windsor strikers. The executive meeting is to be held this evening in the Metropole

A communication was received from the secretary of the Prince Rupert Teachers' Association giving notice of Education Week being held from November 11 to 17 and requesting permission for a speaker to address the council. The request of the association was granted and the secretary is

A convention call was received from the secretary of the prointo bits—short bursts or pulses vincial executive of the Trades -and precisely spaces them out and Labor Congress stating that in time sequence at extremely the provincial executive would high speed so that they travel convene in Vancouver on November 22. They are to remain These pulses are but one-half in session until the business of millionth of a second long. At the convention is completed. Due the receiver they are put back, to two delegates from here gounscrambled, into their proper ing to the provincial Council of order. The result has been de- Carpenters' convention which Wallin was the unanimous scribed as an interweaving in convenes in Vancouver on Notime of one group of signals with vember 28, it may be found impossible to send delegates to both Technically, PTM is achieved conventions owing to the spread by modulation or variation, of in dates between the two, which council's efforts in striving to would necessitate considerable lost fime and added expense.

A letter was received from L. which varies or modulates the K. Gervin, secretary, Vancouver and New Westminster Trades and Labor Council, soliciting the support of the council in the former's crusade for the "fortyhour week with no reduction in pay." This was unanimously endorsed. It was also pointed out that the Vancouver city council

> ter and receiver. It functions as a high speed relay or switch | C [D] to keep each group of signals in their proper place.

Engineers claim for the system a considerable reduction of static, crosstalk and other noises in reception, due primarily to its time pulse character.

While the first phone test was over a comparatively short distance, other trials are planned between New York and Washington, with a multiplex broadcast test projected for next year. Demonstrations of its use color television, it was stated, awaits further refinements in color broadcasting.

INGWALL, Scotland - Dingwall boys take to "the pipes" so well that school authorities are trying to arrange bagpiping as subject in the schools.

ANCIENT CHEWING GUM Centuries before the arrival of Columbus, the Mayan people of Guatemala liked to chew chicle the hardened sap of the sapodilla tree.

Circulation figures of daily newspapers in Canada are audited by an independent body of 11:00-Jill's All-Time Juke Box advertisers, agencies and pubshers—the Audit Bureau Circulations.

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Chinese girls of the Tai Po orphanage. has already given its endorsation Better English

regate, agnosticism.

THEY CAN LAUGH IN HONG KONG-NOW-For nearly four years the British colony of

Hong Kong was in the hands of the Japanese and the heavy shadow of the Nipponese mili-

tary machine cast a pall of gloom on the island. Now Hong Kong is liberated and the natives

are laughing again. Admiral Sir Bruce Fraser and a matron, are jesting with some of the

A communication was received By D. C. WILLIAMS from E. V. Whiting, local Selective Service officer, requesting 1. What is wrong with this the appointment of a member sentence? "He is in a bad fix." to the local employment advis-2. What is the correct pronunory committee. President August ciation of "illusive"? 3. Which one of these words

choice for this appointment. A letter was received from the Norwegian charge d'affaires at Montreal in appreciation of the tored" mean? have regular parcel post rates restored to Norway.

to this move.

P. S. Taranger of the United Fishermen's and Allied Workers' Union reported that his union had set up a Ford strike commit- tion." 2. Pronounce i-lu-sive tee and had already collected \$150 to assist the strikers and their dependents.

J. Mulroney reported that the committee appointed to "pep up" the Waitresses' Union was meeting with success.

Radio Dial 1240 Kilocycles (Subject to change)

FRIDAY-P.M. 4:00-Fred Waring

4:30—Science Magazine 5:00—Isabelle McEwin 5:30—Remember

5:45-G.I. Jive 6:00—Magic Carpet 6:15—Listening Post

6:30—Victory Loan Reporter 6:45-Who's That Knocking at My Door, 7:00-C.B.C. News

7:15—The Other Americans 7:30—Eventide

8:00-Soliloquoy 8:30—Vancouver Playhouse 9:00—Abbott & Costello

9:30—Russell Bennett Conducts 10:00-CBC News 10:10—Musical Interlude

10:15—Thomas Peluso's Orch. 10:30—Eight to the Bar 11:00—Silent

SATURDAY-A.M. 7:30-Musicai Clock 8:00—CBC News 8:15—Pick of the Hits 8:30—Operatic Gems 9:00-BBC News 9:15—Morning Devotions

9:30—Transcribed 9:45—Hawaiian Echoes 10:00-Here's to Romance

10:30—Melody Roundup 10:45—Morning Visit 11::33—Message Period 11:35—Weather Forecast

11:36—Recorded 11:45—At Ease



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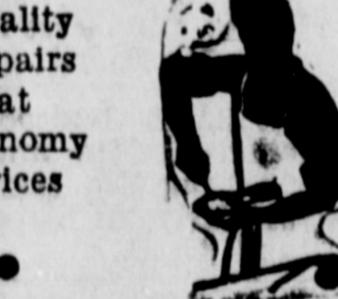
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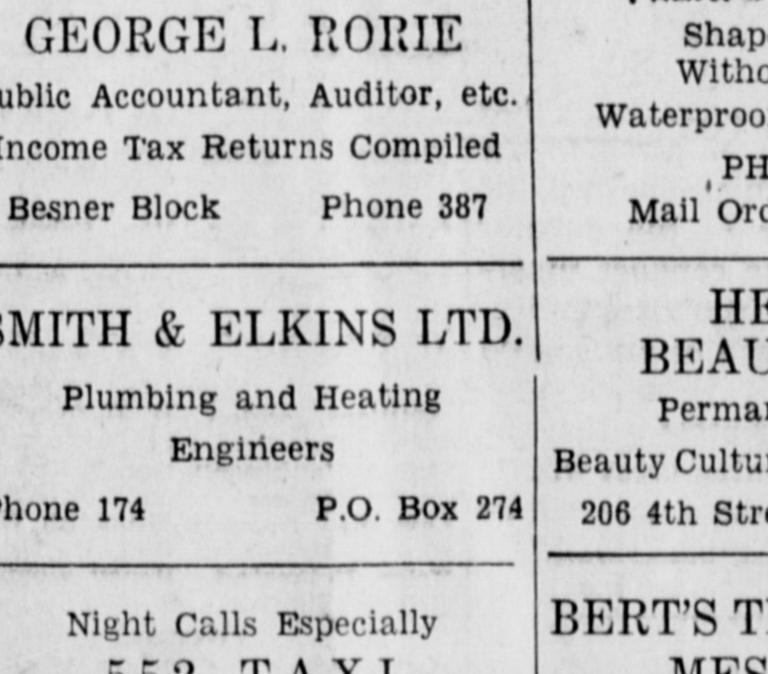
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Answers

both i's as in it, u as in unit, s

as in so (not as z), accent sec-

ond syllable. 3. Aggregate.

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