

CANADIAN SALES RECORDS BROKEN

Reports Indicate Interest Growing Rapidly.

By Times Special

WASHINGTON, Jan. 15.—All previous Canadian sales records for radio sets and accessories were surpassed during last year's Christmas business, Assistant Trade Commissioner T. W. Donnelly reports to the Department of Commerce from Ottawa.

The availability of the leading broadcasting stations in the United States and the principal stations in Canada, affords local enthusiasts greater scope for operation. The rapid advancement of the science in the United States is responsible in a very large measure for the rapidly growing interest in this country. Although the broadcasting stations in this country are modern in every respect and have interesting programs, the number is limited.

Consequently the operator, as is true the world over, experiments and is not satisfied until he has connected with a distant station in the United States. Only on rare occasions is it possible to tune in on Toronto from Ottawa. This is due chiefly to atmospheric conditions.

MINE RADIO BEING TESTED

Successful Test Made 4,200 Feet Below.

By NEA Service

JACKSON, Cal., Jan. 15.—The record for underground reception was attained here when a receiving set brought in station KGO at Oakland, while 4,200 feet below the earth's surface.

The set was taken into the Kennedy gold mine here and loop was set up. It was 42 degrees at the surface and 90 where the set was located. Atmospheric conditions, therefore, were considerably annoying, yet the set brought in signals from KGO so that they could be easily read on earphones.

Only a few hundred yards from the Kennedy mine, where this experiment was made, is the Argonaut mine, where forty-seven miners lost their lives in an explosion in August, 1922. Since this accident investigators have been trying to find a device that would keep entombed men in communication with the outside world, despite broken wires and rock-filled passages.

The radio receiver and transmitter may point the way.

DOLLS FOR RADIO



THE BEST-LOOKING GIRL IN HOLLYWOOD WAS PICKED TO FURNISH RADIO FANS WITH ANOTHER FAD—THE RADIO DOLL. MARGARET LIVINGSTON, STAR OF "THE CHORUS LADY," IS POSING AS MODEL FOR THE DOLL, WHILE MISS VELMA ADAMS, SCULPTRESS, IS MODELING THE CLAY. THE STATUETTES WILL BE EQUIPPED WITH SMALL RADIO SETS.

HOTELS ADOPT RADIO

By Times Special

NEW YORK, Jan. 15.—You go to a hotel room when there's no place else to go. You leave there as soon as you possibly can.

But that, in common with most everything else, these days, is about to be changed.

No more dull moments if you choose to eat in your room, no dreadfully flat period while you're waiting for a phone call, no unspeakable desolation if the flu lays you low for a day or two.

The Waldorf-Astoria Hotel in New York is about to pioneer in a new field by installing radio in every room in the hotel. There'll be music while you bathe, music while you wait, music instead of sleep, if such be your desire.

Rooms Connected

A central receiving station will be installed in the hotel, with lines to each room. After you hang up your coat and brush your hair, you will step to the phone and ask that a boy be sent up with earphones. Or you'll ask for an amplifier and

loud speaker which can be connected just as simply. When you pay your bill there will be a small charge for rent of the apparatus, nothing else.

A big Atlantic City hotel has made even more elaborate plans for radio installation. There the guests will be able to choose from ten different attractions of the air.

New York apartment houses first conceived the idea of centralized receiving on a big scale.

Eliminate Aerial

Outdoor antenna on the roofs looked so dreadful and were such a nuisance that apartment owners cast about for some way to eliminate them. The central station, with lines to every apartment, was the solution, and once the installation was made, other apartment owners ad to do likewise in order to compete successfully.

The apartment houses first outfitted have only one channel, so that everyone in the building must listen to the same concert. Newer houses have four channels, so that there is a choice. If the tenant is anxious to hear some concert not on any of the four lines, he can phone the operator and have it put on.

A new adjustment permits him to regulate the strength of the signals, so that he may have music loud enough for dancing or a softer concert.

The service costs the apartment dweller about \$20 a year, approximately the cost of a year's supply of batteries. He also buys his own loud speaker.

Daily Services

Station KPO, at San Francisco, broadcasts a daily Bible reading service immediately after the naval observatory time signals are sent out. After a short chimes selection, a text is taken from the Bible for reading.

Victor Program

THE second concert of the Victor company which will be broadcast tonight from 8 to 9 o'clock, central time, will include the following artists: Frances Alda, soprano, of the Metropolitan Opera Company; Frank La Forge, concert pianist; the Florentine Instrumental Quartet and the Victor Concert Orchestra. This program will be transmitted through stations WEAF (492), New York; WCAP (476), Washington; WF (509), Philadelphia; WGR (319), Buffalo; WCAE (462), Pittsburgh; WJAR (360), Providence; WEEI (303), Boston, and WDBH (276), Worcester.



Times Radio Editor: Your new radio programs and the radio section published in Thursday's paper are a decided improvement over anything published in this section. Keep the good work up, as it is appreciated by radio fans.

E. W. BARNITZ,
Route F, City.

Times Radio Editor: Being in the city for a few days I had the opportunity to see one of your radio sections. I am leading man of the WMAQ players and also direct the radio dramas of WMAQ, which is the Chicago Daily News station, located in Chicago, operating on a wave length of 448 meters, and I wish to take this opportunity to comment on the splendid section that The Times is devoting to radio each week. Wednesday night is our regular play night.

WILLIAM ZIEGLER MOWRSE,
Care Indianapolis Athletic Club.

Times Radio Editor: I have a three-tube Westinghouse set which has been working O. K. until recently. Here are the symptoms, and would like to have your opinion as to the trouble:

Set works all right on detector plug, but when plug is inserted in first or second stage on squeals can

be heard, although there is a loud noise in the receiver.

It will not work in either first or second stage jack.

Worked the other night all right in the amplifier but the next night it was back to the old trouble.

Have tried new B batteries but get no different results. A battery is up and when the set began to work the other night was using only two cells of the battery.

HARROLD F. HILLER,
Jamestown, Ind.

Many times the entire trouble can be traced to an imperfect jack contact. Often it is the creeping flux on the soldered ends, which effectively shorts the circuit. Look at the jacks and the immediate circuits running from them, also be sure that none of the springs are bent and not making contact. Nine times out of ten by placing the plug in and out of the jack you can tell just where the trouble lies.

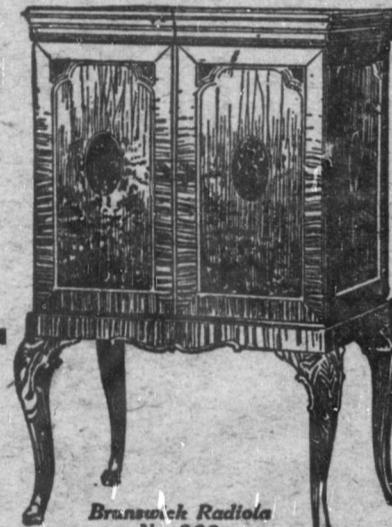
"Pig Tail" Efficiency

A "pig-tail" connection is a spiral of some soft, flexible wire, the inner end of which is soldered to the rotating shaft of the condenser and variometer. The outer end is fastened beneath the head of a screw. Pig tailing is the most positive method of making an electrical connection to a tuning shaft.

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