

INITIAL TEST OF HUGE "TIE-IN" IS SUCCESSFUL

Much Apparatus and Equipment Necessary for Broadcast.

The initial test made by the Broadcasting Committee in charge of the radio programme for the Jubilee of Confederation, has proven to be a marked success, and it is anticipated that further tests to be made at the end of the present week, and again shortly before the first of July, will demonstrate the practicability of one of the most ambitious "tie-in" schemes ever attempted on the North American Continent or elsewhere.

The objective of this ambitious network of radio communication is that the sound of the carillon in the Peace Tower, of the speeches delivered and the songs sung shall be heard through the local broadcasting stations twenty in number as plainly at Halifax and Vancouver as it will be at the Central broadcasting point at Ottawa. It is also the objective of the scheme that the programme will be heard overseas over high-power, short-wave transmission from the Canadian Marconi Beam station at Drummondville, Que.

The connecting up of the local stations has involved setting up and the linking up of telephone lines from coast to coast. No individual telephone company operates clean through, and in fact on such lengthy sections as those between Lewis and Moncton, Sudbury and Winnipeg, and Calgary and Kamloops no telephone lines at all exist.

The Broadcasting Committee reports that it has, in its ambitious project, secured the most willing co-operation from all telegraph and telephone companies interested, and that every facility in the way of plant, lines, and personnel has been placed at its disposal.

The control lines will consist chiefly of telegraph circuits from coast to coast, and will be supplied by the two great railway companies. All lines used are, of course, commercial lines, and it is not possible to obtain full use of local telephone lines for the purpose.

The programme of tests whereby the circuit will be built up in all directions from Ottawa has, however, been entirely arranged. During Sunday's test it was found that the quality of voice heard as far as Winnipeg was excellent. Through this test the broadcasting stations in the provinces of Quebec, Ontario and Manitoba were successfully tied in.

The engineers are now engaged on the next extension, which will be from Lewis to Moncton, thence east, and from Winnipeg to Calgary, and Edmonton—thence west. This work is now on, and it is expected that experts will be in a position to make further tests by the end of the present week. In the event of these tests proving successful, and it being found practicable to equalize the lines for broadcast transmission, the next test will be made on Sunday, June 26th, when the main line will be established from Calgary to Vancouver, over the C. P. R. and B. C. Telephone lines.

This is the first time that an attempt has been made in Canada to establish a net-work of radio from coast to west. A total of 150 employees will be in charge of the supervision from coast to coast. Twenty broadcasting stations are involved, with the centre at Ottawa. There will be 21,650 miles of line and fifty-three repeaters will be in use along the way. These are designed to amplify the sound at approximately 200 miles distances.

No distinction is being made between stations which exist in various cities, share the same wave length. The broadcast will be called a "joint broadcast" of the various stations without mention of names. The final objective of the committee is to broadcast through stations as follows: Halifax, N.S., Moncton, N. B., Quebec (High Power), Ottawa, Toronto, Aurora, London, Winnipeg, Regina, Moose Jaw, Saskatoon, Calgary, Red Deer, Edmonton, Vancouver, New Westminster and Victoria. The east

will broadcast on a regular wave length.

The broadcast will consist of the inauguration ceremonies of Confederation held on Parliament Hill on July 1st at 11 a.m., Eastern Standard Time, when there will be a fifteen minute programme on the carillon of the Peace Tower, brief speeches, and the playing of massed bands, concluded by the singing of O Canada. At 2 o'clock, (Eastern Standard Time) the official programme will be broadcast. But the real programme, so far as the evening is concerned, will commence at 9:30 (Eastern Standard Time). It will be delivered from a studio in the Parliament buildings, and it is expected it will be heard as plainly in Victoria or Halifax as it will be, either over the public address system, or on local radio receivers at the Capital. It is anticipated that the programme in the evening will continue well into the morning of the second of July.

Three million dollars worth of equipment, lines and apparatus are being utilized for the programme above set forth. The Chairman of the Broadcasting Committee is Mr. Thomas Ahearn, internationally famous in electrical and radio circles, and other members of the Committee being:

J. E. MacPherson, Vice President, Bell Telephone Co., Montreal (Vice Chairman).

C. P. Edwards, Director of Radio, Department of Marine, Ottawa, (Secretary).

Paul F. Sise, President, Northern Electric Co., Montreal.

A. R. McEwan, Director of Radio, Canadian National Railway, Montreal.

John McMillan, General Manager of Telegraphs, Canadian Pacific Railway, Montreal.

H. M. Short, Managing Director, Canadian Marconi Co., Montreal.

J. E. Lowry, Commissioner of Telephones, Manitoba Telephone System, Winnipeg, Man.

G. H. Halse, President, British Columbia Telephone Co., Vancouver, B. C.

Senator F. B. Black, President, New Brunswick Telephone Co., St. John, N. B.

R. R. Baxter, General Manager, Alberta Government Telephones, Edmonton, Alberta.

W. Warren, Deputy Minister, Saskatchewan Government Telephones, Regina, Sask.

J. H. Winfield, Managing Director, Maritime Telegraph and Telephones, Halifax, N.S.

D. C. Durland, President, Canadian General Electric Company, Toronto, Ont.

A. E. Dymont, Canadian General Electric Co., Toronto, Ont.

Paul G. Myler, President, Canadian Westinghouse Co., Hamilton, Ont.

All the line engineering is being done by the Bell Telephone Co.'s transmission engineers, under the supervision of Mr. J. E. Clarke, Chief Transmission Engineer.

Lines west of Winnipeg are being organized by Mr. J. E. Lowry, Commissioner of the Manitoba Telephone System.

The control room at the House of Commons, which will pick up the programme from the different points, will be under the charge of Mr. J. McMurtrie, Manager of the CNRO, and Mr. Dettler, Bell engineer will be in charge of the Queen Exchange, which will take the programmes from the control room in the Parliament Buildings and put same on the different circuits of the network.

The Public Address system will be under the charge of Paul Demers of the Northern Electric, and the whole of the organization at Ottawa on the day of the broadcast will be under the control of C. P. Edwards, Director of Radio, Marine Department.

PROGRAMME, FRIDAY, JULY 1 1927 Diamond Jubilee Broadcast. CNRO (345 metres), Ottawa, Ont. 10:30 p.m. (E.D.S.T.)

Carillon Selection—The Carillon in the Victory Tower of the Dominion Parliament Buildings will broadcast a selection of Canadian airs, Carillonair, Mr. Percival Price.

Address—His Excellency, The Governor General.

Dramatic Reading—A Canadian Tale—Margaret Anglin. Vocal—Eva Gauthier in a selection of French-Canadian airs, including "A La Claire Fontaine" and the better known folk songs.

Address—Rt. Hon. W. L. Mackenzie King, Prime Minister of Canada. Instrumental—The Hart House String Quartet—(1) Slow Movement from the quartet in G minor by

Ernest MacMillan "Lento ma non troppo." (2) Transcription of the French-Canadian folk song "Dans Paris y-a-t-une brune," Leo Smith. (3) Sketch on the French-Canadian folk song "A Saint Malo," by Ernest MacMillan.

Address—Hon. Hugh Guthrie, Leader of His Majesty's Loyal Opposition.

Vocal—Allan McQuhae, "Onaway Awake," "Homing," "Believe Me if all those Endearing Young Charms". Address—Honourable Senator Raoul Dandurand.

Vocal—Bytown Quartet—"Youp, Youp—Sur la Riviere," "En Roulant Ma Boule," "Allouette." Final—"The Orchestra"—"O Canada," "God Save the King."

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ARTICLE No. 33 No original bid is sound if based solely on the cards held by one player. For example, if the dealer holds the following hand:

Hearts—A, K, 10, 7, 2 Clubs—8, 4, 3 Diamonds—9, 6 Spades—8, 7, 2

he is justified in bidding one heart—a contract to win seven of the thirteen tricks. With his own hand, however, he can only hope to win four tricks with hearts as trumps, so why is the bid sound? The explanation is simple. If the dealer wins four of the thirteen tricks, nine tricks will be won by the other three players, one of whom is the dealer's partner. If these tricks are evenly divided, each player will win three tricks. Therefore, the dealer with four tricks and his partner with three will average to win seven tricks as a partnership. This result thus makes the bid of one heart with the above hand a sound bid, for since the dealer is justified in expecting three tricks in his partner's hand, he is also justified in expecting three tricks from partner yet to bid is called the "average expectancy of every sound original bid. That is what is meant by the statement at the beginning of this article. Every original bid includes not only the tricks in one's own hand but also the three tricks partner is expected to hold. Every sound original bid, therefore, is a bid to take the number of tricks bid with twenty-six cards, not thirteen. All succeeding bids should also follow this principle and endeavor to get the best results from twenty-six rather than thirteen cards. The problem hands given in the preceding article are good illustrations of this principle.

Answer to Problem No. 39 Hearts—K, 9, 7, 6, 4, 3 Clubs—K, 10, 8, 6, 2 Diamonds—A Spades—10

Score, A-B, 0; Y-Z, 10, rubber game. Z dealt, bid one no-trump, A bid two hearts and Y and B passed. If Z bid two no-trump, what should A bid with the foregoing hand? In this hand the score is an important factor. If Y-Z make two no-trump, as seems likely, they will score game and rubber. A, therefore, should bid three clubs and they should play hearts or clubs. In this example, B is the player who must decide the best bid for the combined hand.

Answer to Problem No. 40 Hearts—9 Clubs—K, Q, J, A, 3 Diamonds—K, J, 10, 5, 2 Spades—K, 10

Score, Y-Z a game in and no score on the second game. If Z bid one no-trump and A doubled, what should Y bid with the foregoing hand? Y is now in a position where he has two strong suits to offer his partner as a chance for game. He should, therefore, bid two diamonds over the double and if overbid by his partner or either opponent, he should bid his clubs. It is strictly up to Y to show his partner both suits and thus enable him to decide which one offers the best chance for game with the combined hands.

Answer to Problem No. 41 Hearts—Q, J, 10, 6 Clubs—Q, 10, 9, 8 Diamonds—5 Spades—K, 10, 7, 4

Score, rubber game, A-B, 10; Y-Z, 0. If Z dealt, bid one no-trump and A bid three diamonds, what should Y bid with the foregoing hand? In this hand also, the score is an important factor. If A-B make three diamonds, they will score game and rubber, so Y is justified in taking a chance: first, to save game if his bid fails; and second, to score game if he happens to find his partner with four of the suit. For that reason Y is justified in bidding three hearts. If B then bids four diamonds and Z passes, Y should double. He has a strong hand and has a good chance to defeat a four bid. He has done his duty and from then on it is up to Z to do his part. It is an interesting hand and should be carefully noted.

CHARLESTON THOUGHT TO HAVE ORIGINATED IN LUZON Here's a new view of the origin of the Charleston—the Philippine natives of Luzon have danced a dance that almost duplicates it for centuries. This was discovered in staging a tribal dance in the island scenes in "Tell It To The Marines", Metro-Goldwyn-Mayer epic of the Marine Corps now playing at the Veterans' Star Theatre, Monday, Tuesday, and Wednesday, July 4, 5, 6, and in which Lon Chaney, William Haines, and Eleanor Boardman head a notable cast. Besides the regular actors hundreds of regular Marines appear, through government co-operation, in thrilling action on battleships, in barracks and in the field. Sensational battles and spectacular navy maneuvers surround a charming romance and a deal of comedy. Garret Myers, Mitchell Lewis, Maurice Kains, Eddie Gribbon, and other well known players take part in the new George Hill production.

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COUNTY TAXES EIGHT MILLS ON DOLLAR IN 1928 Five Mills Will Be Levied for General Rate and Three for Roads—Salvation Army Granted \$200 in Addition to Previous Grant.

The tax rate for the County of Grey in 1927 will be eight mills on the dollar. Without a dissenting voice in the County Council in session last week passed the report of the Finance Committee, which included this clause. As usual the rate was divided. Five mills will be levied for the general rate and three mills for country roads. The total is slightly higher this year, when four and one-half mills was levied for general purposes, but the council found this rate too low, not being enough to put them through.

What They Will Pay With the slightly increased tax rate, the various municipalities in the county will pay into the treasury the total sum of \$272,480. Following is the sum that will be levied and collected in each municipality, providing the by-law, that end, passes: Artemesia \$14,320.00; Bentinck \$15,680.00; Collingwood \$18,000.00; Derby \$12,000.00; Egremont \$18,720.00; Euphrasia \$17,600.00; Glenelg \$10,400.00; Holland \$12,200.00; Keppel \$10,800.00; Normanby \$21,600.00; Osprey \$14,400.00; Proton \$17,600.00; Sarawak \$2,520.00; St. Vincent \$18,400.00; Sullivan \$19,200.00; Svidenham \$20,000.00; Durham \$4,200.00; Hanover, \$7,000.00; Meaford \$6,400.00; Thornbury \$2,080.00; Chatsworth \$1,104.00; Dundalk \$1,920.00; Flesherton \$1,296.00; Markdale \$2,600.00; Neustadt \$1,320.00; Shallow Lake \$1,120.00.

The by-law to bring into force the tax rate for 1928 was read a first time on Thursday morning and was left over until Friday for its second and third readings. More for the "Army" Another interesting feature of the Finance Committee report was a further grant of \$200.00 to the Salvation Army Rescue Home at London, Ont. A grant of \$100 was made at the January sessions. The Women's Institutes of North, South and East of Grey were given \$25.00

grants' each. Requests for grants for the Owen Sound General and Marine Hospital and the Red Cross Society were filed. The Grey County Regiment was granted \$100.00 to assist in the expenses at their camp.

Two other by-laws were read a first time and were discussed at Friday's session. The report of the printing committee was presented by Reeve A. S. Thurston and was passed without discussion. It recommended the paying of a number of accounts for printing.

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