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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
TRANSPORTATION BRANCH

PRELIMINARY REPORT
ON
STATISTICS OF ELECTRIC RAILWAYS
IN
CANADA
1939


OTTAWA
1940

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TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

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Chief, Transportation and Public Utilities Branch, G. S. Wrong, B.Sc.

PRELIMINARY REPORT
ON
ELECTRIC RAILWAYS OF CANADA
1939

Passengers carried by electric railways in Canada during 1939 amounted to 632,533,152. Excluding the 1938 traffic of the Guelph Radial and the Sandwich, Windsor and Amherstburg railways which were not included in the 1939 report, this was an increase of 12,146,483 passengers, or 2 per cent. The Guelph Radial used motor buses exclusively during 1939 and the Sandwich, Windsor and Amherstburg railway switched to buses early in the year. Many of the electric railways also operate motor buses and the statistics of both operations are included in this report. Most of the railways showed improvements over 1938 operations, only 8 of the 36 systems showing reduced traffic. The Montreal system carried almost a third of the total passengers and the Toronto system carried over a quarter of the total. The increase on the Toronto system was 3,655,214 passengers, or 2.3 per cent, which was the largest in numbers, but the Kitchener railway showed a gain of 548,734 passengers, or 19.3 per cent.

The miles of track operated has shown an almost continuous decline since 1925 and in 1939 dropped to 1,592 from 1,693 in 1938.

The decrease in passenger car miles from 123,201,830 in 1938 to 121,528,380 was partially due to the two systems mentioned above switching to exclusively motor bus operation.

There are three systems now using trackless trolley buses which are electric buses equipped with pneumatic tires and operate without tracks. They receive their power through double overhead circuit and two trolley poles. These systems are the Montreal, Winnipeg, and Edmonton systems. Twenty-two of the thirty-six systems operate both electric cars and motor buses and the number of municipalities served by motor buses exclusively is increasing steadily. In the past twenty years 26 electric railway systems have ceased operating as such, not including the Nipissing Central railway which changed to steam operation.

Gross revenues increased to \$42,864,150 compared with \$42,537,767 in 1938. This comparison is also affected by the change in railways included in the reports.

The railways consumed 454,348,434 kilowatt hours during the year for the operation of cars.

During the year 1 passenger, 26 pedestrians, 6 motorists, 1 person in other vehicle and 3 employees were killed. This was a total of 37 persons, compared with 36 in 1938. Persons injured numbered 3,156 including 2,039 passengers, which is the greatest number for both passengers and total since 1932.

Table 1. MILEAGE OPERATED

Year ended December 31	First Main Track	Second Main Track	Total Main Track
1930	1,500.52	571.37	2,071.89
1931	1,379.03	572.69	1,951.72
1932	1,306.30	560.02	1,866.32
1933	1,297.63	559.57	1,857.20
1934	1,286.16	557.14	1,843.30
1935	1,268.31	557.83	1,826.14
1936	1,247.09	552.77	1,799.86
1937	1,221.88	548.90	1,770.78
1938	1,154.50	538.66	1,693.16
1939	1,083.49	508.56	1,592.05

Table 2. CAPITAL

	Stocks	Bonds, etc.	Total
	\$	\$	\$
1930	53,048,929	171,040,610	224,089,539
1931	45,155,649	170,662,447	215,818,096
1932	40,101,930	163,210,624	203,312,554
1933	39,851,230	160,247,640	200,098,870
1934	39,851,230	158,276,141	198,127,371
1935	36,827,740	170,363,299	207,191,039
1936	36,727,740	168,334,613	205,062,353
1937	36,727,740	169,045,068	205,772,809
1938	36,727,740	167,878,751	204,606,491
1939	39,668,660	164,912,746	204,581,406

Table 3.

Year ended December 31	Gross Revenues	Operating Expenses	Net Operating Revenue
	\$	\$	\$
1930	54,719,259	39,125,515	15,593,744
1931	49,088,310	35,367,068	13,721,242
1932	43,339,381	31,516,943	11,822,438
1933	39,383,965	27,917,265	11,466,700
1934	40,048,136	28,036,754	12,011,382
1935	40,442,320	28,009,013	12,433,307
1936	41,391,927	28,807,311	12,584,616
1937	42,991,444	29,545,641	13,445,803
1938	42,537,767	29,683,131	12,854,636
1939	42,864,150	29,605,328	13,258,822

Table 4.

	Passengers Carried	Freight Carried	Passenger Car Miles
	No.	Tons	
1930	792,701,493	2,872,929	136,240,958
1931	720,468,361	1,977,441	131,200,894
1932	642,831,002	1,509,561	123,672,220
1933	585,385,094	1,547,202	117,100,127
1934	595,143,903	1,939,833	117,678,030
1935	600,728,313	2,057,897	118,263,764
1936	614,890,897	2,265,023	119,779,505
1937	631,894,662	2,612,928	122,750,869
1938	629,778,738	2,151,309	123,201,830
1939	632,533,152	2,313,748	121,528,380

Table 5.

	Employees	Salaries and Wages
	No.	\$
1930	18,340	26,954,994
1931	17,135	24,647,391
1932	15,961	21,534,419
1933	14,883	18,692,236
1934	14,544	18,546,750
1935	14,381	18,649,517
1936	14,280	18,958,832
1937	14,347	19,778,118
1938	14,323	20,100,533
1939	14,061	19,716,985

Table 6.

No.	Name of Railway	Total Gross Revenues	Total Operating Expenses	Net Operating Revenues
		\$	\$	\$
1.	Brantford Municipal	115,009	105,560	9,449
2.	British Columbia	5,337,255	4,335,362	1,001,893
3.	Calgary Municipal	655,277	521,768	133,509
4.	Canadian Pacific	411,012	418,286	Dr. 7,274
5.	Cape Breton Tramways	105,677	93,738	11,939
6.	Cornwall Street Railway, Light & Power Co.	133,534	79,539	53,995
7.	Edmonton Radial	737,814	556,693	181,121
8.	Fort William Street	124,776	126,588	Dr. 1,812
9.	Hamilton Street	1,047,026	736,267	310,759
10.	Hull Electric	202,006	159,730	42,276
11.	International Transit Company	46,691	39,327	7,364
12.	Kitchener Public Utilities Street Ry. Dept.	129,198	92,950	36,248
13.	Lethbridge Municipal	34,627	51,583	Dr. 16,956
14.	Levis Tramways Company	134,747	116,838	17,909
15.	London and Port Stanley	263,584	210,125	53,459
16.	London Street	496,712	418,013	78,699
17.	Montreal Tramways	13,124,028	8,198,267	4,925,761
18.	Montreal and Southern Counties	284,908	376,387	Dr. 91,479
19.	Nelson Municipal	15,785	27,283	Dr. 11,498
20.	New Brunswick Power Company	302,539	288,630	13,909
21.	Niagara, St. Catharines and Toronto	649,311	626,765	22,546
22.	North Yonge Railways	72,942	72,313	629
23.	Nova Scotia Light and Power Co. Ltd.,	581,177	418,900	162,277
24.	Oshawa	236,484	150,916	85,568
25.	Ottawa	1,357,194	797,249	559,945
26.	Port Arthur Civic	132,692	116,164	16,528
27.	Quebec Railway, Light and Power Co.	979,931	935,307	44,624
28.	Regina Municipal	317,695	250,812	66,883
29.	Saskatoon Municipal	238,562	170,574	67,988
30.	Shawinigan Falls Terminal	60,662	60,662	
31.	Suburban Rapid Transit Company	127,186	92,163	35,023
32.	Sudbury, Copper Cliff Suburban	70,808	59,765	11,043
33.	Toronto Transportation Commission	11,072,594	6,448,177	4,624,417
34.	Township of York and Town of Weston	217,993	151,488	66,505
35.	Winnipeg	2,947,118	2,233,879	713,239
36.	Winnipeg, Selkirk and Lake Winnipeg	99,596	67,260	32,336
TOTAL		42,864,150	29,605,328	13,258,822

Total Income	Taxes	Interest on Funded and Unfunded Debt	Total Deductions from Income	Net Income	Reserve and Special Charges	Dividends
\$	\$	\$	\$	\$	\$	\$
9,472	2,097	19,959	22,056	Dr. 12,584	24,064	-
4,404,972	x1,021,808	x 574,712	1,653,404	x2,751,568	x1,172,952	x1,515,272
133,509	-	120,477	120,477	13,032	48,114	-
Dr. 2,294	14,833	-	14,833	Dr. 17,127	-	-
12,621	1,571	1,078	2,649	9,972	10,582	-
53,995	6,216	9,100	15,834	38,161	24,326	6,000
181,121	54,531	48,267	205,783	Dr. 24,662	23,150	-
Dr. 1,812	222	34,905	35,167	Dr. 36,979	13,792	-
310,759	67,476	-	67,476	243,283	50,000	177,228
42,848	9,144	-	9,144	33,704	41,702	-
47,389	8,134	17	8,151	39,238	15,000	30,000
36,632	390	16,782	17,172	19,460	14,784	-
Dr. 16,956	-	21,245	21,245	Dr. 38,201	8,801	-
18,209	4,025	-	4,589	13,620	13,982	-
53,849	8,662	ø 88,663	122,325	Dr. 68,476	-	-
79,449	7,486	19,321	26,807	52,642	69,510	-
5,002,002	720,150	-	xx5,931,162	Dr. 929,160	-	-
Dr. 89,804	14,176	107,388	135,561	Dr. 225,365	-	-
Dr. 11,498	-	-	-	Dr. 11,498	-	-
157,873	15,720	x 37,837	53,557	x 104,316	x 184,861	-
23,650	41,688	-	50,509	Dr. 26,859	-	-
629	90	-	90	539	-	-
1,137,793	37,269	x 311,753	559,625	x 578,168	-	x 346,488
89,647	12,544	53,598	66,143	23,504	-	-
562,766	96,431	94,500	201,026	361,740	235,761	-
16,528	110	17,644	18,155	Dr. 1,627	7,064	-
44,624	61,137	-	61,137	Dr. 16,513	29,396	-
67,507	-	97,716	97,716	Dr. 30,209	53,146	-
67,988	9,460	64,513	73,973	Dr. 5,985	48,910	-
-	1,801	-	1,801	Dr. 1,801	-	-
59,704	5,197	x 25,317	30,514	x / 29,190	x 37,889	-
11,043	547	4,913	5,460	5,583	11,350	-
4,780,941	267,328	1,257,285	1,567,033	3,213,908	3,168,964	-
66,505	-	37,789	37,789	28,716	115,520	-
2,489,651	x 238,873	x1,556,117	1,914,407	x 575,244	357,212	-
61,317	7,077	x 20,011	27,088	x / 34,229	x 39,283	-
19,902,629	2,736,193	4,640,907	13,179,858	/6,736,524	5,820,115	2,074,988

x Includes electric light and all other departments of the railway.

ø Debenture interest paid by the City of London.

/ Included in Winnipeg Electric net income. Adjustment made in total for all railways.

xx Under contract with Montreal.

Table 7

No.	Name of Railway	Total Miles of Track	Fare Passengers Carried
1.	Brantford Municipal	14.81	2,408,736
2.	British Columbia	285.40	72,667,204
3.	Calgary Municipal	77.02	10,438,964
4.	Canadian Pacific	74.75	759,792
5.	Cape Breton Tramways	21.30	1,334,913
6.	Cornwall Street Railway, Light and Power Co.	5.50	1,347,735
7.	Edmonton Radial	48.09	15,058,583
8.	Fort William Street	23.00	2,009,928
9.	Hamilton Street	40.17	15,564,824
10.	Hull Electric	26.06	2,901,632
11.	International Transit Company	6.14	925,009
12.	Kitchener Public Utilities - Street Ry. Dept.	9.07	2,841,036
13.	Lethbridge Municipal	11.25	661,609
14.	Levis Tramways Company	11.50	2,173,076
15.	London and Port Stanley	26.70	445,912
16.	London Street	9.46	8,908,552
17.	Montreal Tramways	265.03	208,928,429
18.	Montreal and Southern Counties	54.09	2,569,916
19.	Nelson Municipal	3.38	371,299
20.	New Brunswick Power Company	20.63	6,202,348
21.	Niagara, St. Catharines and Toronto	59.10	3,648,778
22.	North Yonge Railways	10.25	870,976
23.	Nova Scotia Light and Power Co. Ltd.	24.91	9,626,901
24.	Oshawa	9.29	576,652
25.	Ottawa	48.30	21,595,758
26.	Port Arthur Civic	19.53	2,100,940
27.	Quebec Railway, Light and Power Company	21.81	16,979,562
28.	Regina Municipal	28.62	5,924,208
29.	Saskatoon Municipal	19.08	3,864,998
30.	Shawinigan Falls Terminal	3.39	-
31.	Suburban Rapid Transit Company	9.46	2,138,555
32.	Sudbury, Copper Cliff Suburban	7.90	1,025,810
33.	Toronto Transportation Commission	214.71	158,977,538
34.	Township of York and Town of Weston	14.06	4,402,723
35.	Winnipeg	65.70	41,639,539
36.	Winnipeg, Selkirk and Lake Winnipeg	2.59	793,217
TOTAL		1,592.05	632,533,152

Tons of Freight Carried	Total Car & Bus Miles	Conductors, Motormen, Conductor-motormen & Bus Operators	Total Employees	Total Salaries and Wages
				\$
...	664,508	28	46	62,167
306,931	17,617,092	1,287	2,056	3,193,457
...	2,458,727	128	214	320,265
355,806	1,063,467	37	211	283,521
-	395,820	11	31	53,687
384,954	395,207	23	48	60,597
...	2,554,679	143	276	400,266
...	660,823	33	67	81,136
21,485	3,960,043	195	331	430,272
1,617	671,695	30	81	82,630
-	213,035	9	18	28,598
-	480,619	31	38	57,738
-	221,204	9	16	33,676
16,520	564,251	28	75	84,413
212,770	619,990	19	78	106,799
-	2,479,974	100	187	233,861
13,865	32,512,393	2,220	3,936	5,476,856
22,399	886,045	56	186	218,533
-	36,315	8	16	17,138
-	1,387,210	64	125	136,958
671,356	2,390,942	91	305	409,816
...	255,059	-	-	-
...	1,929,518	92	211	300,355
247,368	312,204	18	81	111,961
-	4,166,564	191	412	537,913
-	605,422	23	49	73,010
-	3,185,171	195	403	493,644
51,567	1,186,808	59	107	172,889
-	1,023,046	47	82	106,387
-	-	4	19	35,460
-	499,366	-	-	-
-	98,000	10	21	32,284
-	28,285,877	1,514	3,172	4,649,975
-	596,732	-	-	-
-	9,074,320	637	1,143	1,412,596
7,110	364,132	7	20	18,127
2,313,748	123,816,258	7,347	14,061	19,716,985

Table 8.

ELECTRIC RAILWAY PASSENGER TRAFFIC /

1939 COMPARED WITH 1938

Name of Railway	Passengers Carried	Passengers Carried
	1938	1939
Montreal Tramways	208,261,207	208,928,429
Toronto Transportation Commission	155,322,324	158,977,538
British Columbia	71,161,991	72,667,204
Winnipeg	40,590,585	41,639,539
Ottawa	20,781,630	21,593,758
Quebec Railway Light and Power Co.	16,098,788	16,979,562
Hamilton Street	15,734,055	15,564,824
Edmonton Radial	14,233,543	15,058,583
Calgary Municipal	10,197,519	10,438,964
Total	552,381,642	561,848,401
Nova Scotia Light and Power Co.	9,141,788	9,626,901
London Street	8,890,368	8,908,552
New Brunswick Power	6,250,885	6,202,348
Regina Municipal	5,494,707	5,924,208
Township of York and Town of Weston	4,287,510	4,402,723
Saskatoon Municipal	3,459,150	3,864,998
Niagara, St. Catharines and Toronto	3,481,956	3,648,778
Hull Electric	2,787,915	2,901,632
Kitchener Public Utilities	2,292,302	2,841,036
Brantford Municipal	2,297,275	2,408,236
Montreal and Southern Counties	2,393,071	2,369,916
Suburban Rapid Transit	2,085,580	2,188,555
Levis Tramways	1,996,576	2,173,076
Port Arthur Civic	2,229,989	2,100,940
Fort William Street	2,118,247	2,009,928
Total	59,207,319	61,571,827
Other 12 systems	8,797,708	9,112,924
Total	620,386,669	632,533,152
2 systems using buses exclusively in 1939	9,392,069	
GRAND TOTAL	629,778,738	

/ Including passengers carried on motor buses and trackless trolley buses operated by electric railways.

ELECTRIC RAILWAY PASSENGER TRAFFIC /
1939 COMPARED WITH 1938

Per cent of Total	Increase in Passengers Carried (Decrease -) 1939 over 1938		Per cent of Total Increase (Decrease -) 1939
	Number	p.c.	
33.030	667,222	0.319	5.493
25.134	3,655,214	2.299	30.093
11.488	1,505,213	2.071	12.392
6.583	1,048,954	2.519	8.636
3.414	812,128	3.761	6.686
2.684	880,774	5.187	7.251
2.461	- 169,231	- 1.087	- 1.393
2.381	825,040	5.479	6.792
1.650	241,445	2.313	1.988
88.825	9,466,759	1.685	77.938
1.522	485,113	5.039	3.994
1.408	18,184	0.204	0.150
0.930	- 48,537	- 0.783	- 0.400
0.937	429,501	7.250	3.536
0.696	115,213	2.617	0.949
0.611	405,848	10.501	3.341
0.577	166,822	4.572	1.373
0.459	113,717	3.919	0.936
0.449	548,734	19.315	4.518
0.381	110,961	4.608	0.914
0.375	- 23,155	- 0.977	- 0.191
0.346	102,975	4.705	0.848
0.343	176,500	8.122	1.453
0.332	- 129,049	- 6.142	- 1.062
0.318	- 108,319	- 5.389	- 0.892
9.734	2,364,508	3.840	19.467
1.441	315,216	3.459	2.595
100.000	12,146,483	1.920	100.000

MEMORANDUM FOR THE RECORD

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