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CIVIL AVIATION

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1948Introduction

The Bureau of Statistics in collaboration with the Air Transport Board, has published monthly reports since January, 1941, showing certain statistics for each scheduled Canadian carrier and the totals for most of the other air carriers operating in Canada. The current report includes statistics on the same basis as the monthly summaries and, in addition, some statistics for "D" class or specialty carriers. Corrections in the preliminary or monthly summary have been made in this report as derived from the annual reports of each company. Commercial operators are presently divided into four main classes, "A" - scheduled, "B" and "C" - non-scheduled and "D" - specialty carriers, such as aerial survey, training, dusting, etc. Only the "A", "B" and "C" operations are included in the monthly reports on Civil Aviation published by the Bureau. The annual totals, however, include the available data on "D" class carriers. Consequently the preliminary annual report will not agree with the current annual in such items as miles flown, gasoline and oil consumed and their cost, or number of hours flown.

Freight or goods includes freight, express and excess baggage carried, and also mail matter when transported for clients other than the post office department.

Statistics in Table 1 are not comparable throughout as totals for 1948 to 1946 do not include certain non-commercial operations which, however, represent but a small segment of the industry. In fact, the statistics during the war years shown (1942-1945) must be considered with reservations, and only in 1946 does a modern civil aviation industry evolve. Operations in the pre-war period were carried on principally by our renowned "bush fliers" and few inter-city scheduled services were then available. During the war, traffic was controlled both by emergency regulations, non-availability of new planes and equipment and by the absence of qualified personnel who had flocked to the Air Force. Aircraft miles flown in Canada have more than tripled since 1939 when they were slightly under 11 millions. The wartime peak occurred in 1945 at some 20.1 million miles. Regular inter-city commercial service has become commonplace only since 1946. The Trans-Canada Air Lines was being organized when war was declared in 1939 and development up to the end of 1945 was greatly retarded by war conditions. At present, over 80 p.c. of the passenger miles flown are scheduled on inter-city services which did not exist previous to 1939.

Review of 1948 Operations

The total mileage flown by commercial aircraft continued to advance during 1948 with a 6.4 p.c. gain over 1947 and was 35.6 p.c. greater than in 1946, the respective totals being some 38,334,100, 36,052,600 and 28,268,800 miles. The 1948 record is over four times the pre war average of the years 1935 - 1939. Revenue passengers carried during the year exceeded for the first time a million passengers at 1,054,778 compared with 856,047 in 1947, an increase of 218,731 or 26.2 p.c. This is an all time high in the history of Canadian aviation.

Revenue passenger miles aggregated 321,704,118 miles compared with nearly 238,000,000 in 1947, an advance of 35 p.c. Comparison with the gain in aircraft mileage of 6.4 p.c. indicates the use of large capacity planes as well as greater patronage. Illustrating the tremendous growth of the past decade, in 1939 only 21,840,000 revenue passenger miles were logged. The volume of air freight also continues to

advance with a total of 37,262,712 pounds transported during 1948, a gain of 3,021,334 pounds over 1947. Freight between foreign stations rose from 250,412 to 932,923 pounds while revenue freight increased from 31,633,437 to 33,633,045 pounds. Total freight ton miles also rose appreciably over 1947 from 3,670,240 to 5,458,260 ton miles, an increase of nearly 49 p.c.; of this total, revenue ton mileage was a record 4,248,630 compared with 2,985,618 ton miles for 1947.

With the air lift accorded first class mail, new peaks were established in poundage, ton miles and mail revenues, surpassing the war time record of 1943. Pounds of mail carried exceeded 10 million for a gain of 45 p.c. over 1947 volume and equivalent to 5.3 times the 1939 poundage. Mail ton miles advanced from 1,646,136 ton miles in 1947 to a new high of 2,860,796 in the year under review for an increase of nearly 74 p.c.

Aircraft of reporting carriers logged 299,538 hours of flying time compared with 285,462 hours during 1947. Of the 1948 total 230,857 hours were flown on revenue transportation as compared with 218,713 in 1947. Gasoline consumption was 17,030,203 gallons for the year as against 13,922,451 gallons in 1947, a 22.3 p.c. increase. With total mileage up only 6.4 p.c., the use of planes with more and stronger engines is indicated. Oil consumption also showed a gain rising 40,785 gallons over 1947 to 225,239 gallons for the year.

Commercial flying accidents claimed a total of 44 lives during 1948 of which 36 were passengers and 8 crew members. In addition 18 persons were reported injured. This is a worsening from 1947 when 24 were killed and 16 injured, while in 1946, 9 were killed in flying accidents and only 4 in 1945. On a revenue passenger mileage basis one passenger was killed for each 8,936,000 passenger miles flown compared to one per 15,199,000 miles in 1947 and one per 68,925,000 passenger miles during 1946.

Assets of Canadian carriers increased from \$44,433,141 at the end of 1947 to \$51,558,673 as at December 31, 1948. All items of property account increased except buildings and land. Additions were considerably below those of 1947 and were halved at some \$10,484,000 compared with \$21,433,000, while retirements were increased to nearly \$6 million from \$4,162,000.

The Income Account in Table 3 indicates that despite record passenger, freight and mail traffic, most Canadian airlines again had little to show for the year's operations. Rising costs combined to offset the highest revenues in aviation history. Maritime Central alone of the scheduled carriers had a balance to transfer to Profit after payment of Income Taxes.

Total revenues of all Canadian carriers were \$33,712,329 compared with \$26,834,090 in 1947, while expenses advanced from \$29,321,502 to \$34,799,670. Thus revenues were up \$6,878,239 or 24.1 p.c., while expenses rose by \$5,478,168 or 18.7 p.c. Net income for the year 1948 after income tax shows an overall industry deficit of \$1,790,381 compared with \$2,787,482 for 1947 which was a decided improvement.

Passenger revenues at nearly \$18,833,000 for the year represented 56.5 p.c. of total revenues, mail revenues 18.8 p.c. at \$6,274,501, and goods and excess baggage 5.3 p.c. Aircraft operation and maintenance took

\$20,875,000 or 60.0 p.c. of total expenses, ground operations 26.0 p.c., traffic expenses 7.8 p.c., and general administration 5.8 p.c.

The ratio of revenue passenger miles to available seat miles was 65.1 p.c. for scheduled airlines in 1948 against 60.9 p.c. in the preceding year, indicating an encouraging gain in patronage.

The monthly average number of employees in civil aviation for 1948, including those of international carriers domiciled in Canada, was 6,181 compared with 5,872 in 1947. Their earnings at \$16,219,852 for 1948 compare with \$13,710,606 in the previous twelve months, an average increase per employee of \$289.24 or 12.4 p.c.

International Service

Data given in Table 6, etc., on Foreign International carriers cover only their operations over Canadian territory. No financial statistics are available other than salaries and wages paid to employees domiciled in Canada. Overseas services of Trans-Canada Airlines are not detailed in the monthly and preliminary annual statistics. However, the following statistics on Trans-Canada Airlines (Atlantic) operations, as reported to the Air Board, are of interest to show the expansion in overseas service during 1948, while a more complete table is given on page 5 of this report. On May 1, 1947, T.C.A. assumed responsibility for operations previously provided by the Canadian Government Trans-Atlantic Service.

Trans-Canada Airlines - Overseas Services

Statistical Summary

	1 9 4 8	1 9 4 7 ¹
<u>Aircraft Miles Flown</u> - Revenue	4,597,023	2,386,709
- Non-revenue	547,500	149,673
Total	5,144,523	2,536,382
Passengers Carried - Revenue	32,821	15,815
Goods - Ton Miles Flown (Rev.)	984,159	531,007
Mail - Ton Miles Flown	369,535	251,562

¹ May 1, 1947, to December 31, 1947.

Non-Commercial

1. Flying Clubs

There were 36 flying clubs reporting activities for 1948 against 38 one year earlier. Hours flown totalled 35,529 of which 12,162 were dual instruction, 12,429 hours solo instructional, 9,178 recreational and 1,760 non-revenue. An estimated 3,037,749 miles were flown. Fuel consumed cost some \$72,600 and represented 187,300 gallons of gasoline and 5,341 gallons of oil. Employment was accorded to 107 who received \$187,693 in salaries and wages. Club membership was reported to number 4,459 with 1,921 persons receiving

instruction. Some 415 members and pupils passed private pilot tests, 48 secured limited commercial pilot licences, 30 public transport pilots, 6 air engineers and 29 qualified as instructors. A total of 162 aircraft were operated by the clubs with the largest having a fleet of 10.

2. Non-Commercial Carriers

In addition to the regular licensed carriers which numbered 136 reporting operations during 1948, some companies and government departments operated air services. The Hudson Bay Air Transport Ltd., for example, carried company employees and considerable freight during the year with employees carried numbering 2,359 and freight 281,575 pounds. Operating expenses for this company were \$164,910 and included \$24,107 in wages. Forestry and fishery patrols, photographic survey, pest control, instruction and exhibition flights, etc., also were responsible for considerable flying time.

Arrivals by Air

The Immigration Branch of the Mines and Resources Department records arrivals by plane of returning Canadians and tourists, etc., at the principal airports in Canada. A summary table giving this information by provinces for 1947 and 1948 appears below. It is not possible to divide these totals into commercial, non-commercial, private or itinerant planes. This inward traffic has increased tremendously since pre-war and its contribution to our tourist industry is considerable. Totals are not comparable with statistics for foreign international carriers, which include traffic in both directions.

Number of Returning Residents and Tourist Entries
by Plane, 1947 and 1948

Province of Entry	1947			1948		
	Planes	Returning Canadians	Tourists, etc.	Planes	Returning Canadians	Tourists, etc.
	No.			No.		
Nova Scotia	307	195	659	224	127	501
New Brunswick	1,044	2,487	6,650	862	2,586	6,604
Quebec	4,790	17,583	29,744	4,580	17,544	28,202
Ontario	8,045	27,174	32,414	8,133	33,874	33,777
Manitoba	1,150	2,324	4,513	1,056	2,738	4,929
Saskatchewan	61	19	102	175	66	354
Alberta	981	1,290	7,144	1,425	1,255	11,610
British Columbia	3,788	12,392	22,522	3,847	12,382	25,006
Yukon	/ 888	365	/ 9,292	/ 466	312	/ 4,601
Total	21,054	65,029	113,040	22,818	72,884	115,584

/ Mainly intermont to and from Alaska.

Trans-Canada Air Lines - Overseas Routes /

	(1) 1948	May 1, 1947 to Dec. 31, 1947
<u>Operating Revenues</u>		
Passenger	6,771,646	3,912,070
Mail	1,109,731	735,013
Goods	514,217	331,556
Excess Baggage	40,878	19,850
Total Scheduled Services	8,436,472	4,998,489
Charter	2,085,464	417,763
Total Transportation Revenues	10,521,936	5,416,252
Non-transportation Revenues	61,453	(2)
Incidental Revenues - net	277,721	67,046
Total Revenues	10,861,110	5,483,298
<u>Operating Expenses</u>		
Aircraft Operation and Maintenance	5,202,884	1,859,184
Ground Operation and Maintenance	3,245,907	1,700,831
Traffic	1,446,550	786,089
General Administration	596,960	307,078
Passenger Service and Miscellaneous Income	634,135	346,979
Depreciation	1,244,407	341,737
Total Operating Expenses	12,370,843	5,341,898
Operating Deficit	1,509,733	1,141,400
Interest on Capital Invested	240,485	5,097
Deficit	1,750,218	136,303
Aircraft Miles Flown - Revenue	4,671,120	2,386,709
" " " - Non-revenue	452,159	169,703
Total	5,123,279	2,556,412
Revenue Passengers Carried	32,821	15,615
Mail - Ton Miles Flown	369,534	251,562
Goods - Ton Miles Flown	984,159	531,008
Employees - Number	746	-
Salaries and Wages	2,465,807	-

/ Taken from Trans-Canada Air Lines Annual Report, 1948.
 (2) Included with "Charter".

(1) Includes Bermuda & Caribbean
 Services.

Table 1

STATISTICAL SUMMARY OF CIVIL AVIATION, 1942 - 1948

	1948	1947	1946 ⁽⁵⁾	1945	1944	1943	1942
Aircraft Miles flown - Revenue	35,852,977	33,186,617	25,844,570	18,618,970	15,568,559	14,584,115	12,781,867
Non revenue	2,481,124	2,845,952	2,424,219	1,468,462	620,803	709,434	547,276
Total	38,334,101	36,032,569	28,268,789	20,087,432	16,189,362	15,293,549	13,329,143
Passengers carried - Revenue	1,054,778	836,047	802,811	490,809	371,397	282,886	198,205
(Originated) Between foreign stations - Revenue	7,825	10,674	6,673	16,711	20,846	19,381	17,497
Company Employees	36,820	39,891	21,130	15,283	8,740	9,011	8,961
Other non revenue	4,875	6,559	3,226	2,604	2,955	3,364	4,384
Total	1,103,798	893,171	833,840	525,407	403,938	314,642	229,047
Passenger Miles - Revenue	321,704,118	237,986,178	206,776,408	153,504,833	111,127,010	100,530,892	70,554,377
Company Employees	19,202,671	18,702,819	8,326,948	5,124,620	2,215,907	1,992,061	1,601,277
Other non revenue	1,778,441	1,256,588	442,621	533,992	543,412	867,511	1,059,947
Total	342,685,230	257,945,585	215,545,977	159,163,445	113,886,329	103,390,464	73,206,601
Freight or Goods carried - Revenue	33,633,045	31,633,437	23,656,502	12,615,119	10,522,932	11,546,777	11,055,142
Between foreign stns.-Rev. "	952,923	250,412	181,260	399,639	659,970	791,498	352,859
Non revenue	2,696,744	2,357,529	1,335,998	1,447,642	1,247,743	1,515,288	1,243,938
Total	37,282,712	34,241,378	25,173,760	14,462,400	12,430,645	13,853,563	12,651,939
Freight Ton Miles - Revenue	4,248,630	2,985,618	1,892,391	1,337,145	1,406,679	1,500,179	1,125,912
Non revenue	1,209,630	684,622	410,560	313,072	261,507	218,141	148,038
Total	5,458,260	3,670,240	2,302,951	1,650,217	1,668,186	1,718,320	1,273,950
Mail carried	10,110,252	6,965,895	5,930,338	6,418,944	7,296,265	7,586,809	5,470,209
Ton Miles	2,860,796	1,646,136	1,534,919	2,096,289	2,072,129	2,103,867	1,484,314
Hours flown by Aircraft - Transportation Revenue	230,857	218,713	164,649	125,570	105,815	101,169	92,314
Non revenue	20,573	25,338	19,542	12,391	5,308	6,438	5,227
Forestry Patrol .....	(	(	(	6,578	5,351	4,352	4,595
Fishery " .....	(	(	(	106	146	115	120
Photography Survey	48,308	39,411	26,011	585	668	628	559
Instruction .....	(	(	(	6,750	4,291	3,192	13,690
Exhibition - Miscellaneous .....	(	(	(	590	843	768	1,371
Total	299,538	283,462	210,202	152,570	122,422	116,662	117,876
Hours flown by Crew	(2)	(2)	449,844	369,148	279,943	257,815	235,573
" " " Passengers	(2)	(2)	1,302,358	1,048,344	712,373	562,337	480,534
Horse Power Hours Flown by Aircraft (000)	(2)	(2)	(2)	216,288	183,556	165,487	127,246
Gasoline consumption	(Gallons) (1)	13,922,451	11,278,759	7,855,067	6,169,355	5,661,301	4,653,555
Lubricating oil consumption	" (1)	184,454	149,829	121,963	100,240	117,050	104,441
Flying Accidents							
Passengers Killed	36	15	3	2	-	2	12
" Injured	6	9	9	9	5	3	6
Crew Killed	8	8	6	2	2	3	8
" Injured	12	7	3	4	1	1	4
Other Persons Killed	-	1	-	-	-	3	-
" Injured	-	-	-	-	-	-	-
Total Killed	44	24	9	4	2	8	20
" Injured	18	16	12	13	6	4	10

(1) Purchases by Foreign Carriers in Canada included only in 1945 to 1948.

(2) Not Available.

(3) Adjusted to exclude non-commercial not included in 1947 and 1948.

Table 2

CIVIL AVIATION, 1948
GENERAL BALANCE SHEET, 1948

	Canadian Pacific Air Lines (including Quebec Airways)	Maritime Central	Central Northern	Trans-Canada Air Lines (Consolidated)	Total Scheduled Air Lines	Other Canadian Carriers	Grand Total Canadian Carriers
<u>ASSETS</u>							
Current and Accrued Assets	2,825,057	125,293	130,265	8,251,456	11,332,071	1,364,805	12,696,876
Investments	816,258	431	-	61,296	877,985	143,726	1,021,711
Deferred Debits	65,669	21,130	37,852	51,967	176,618	474,154	650,772
Special Funds	-	-	-	3,113,800	3,113,800	4,727	3,118,527
Fixed Assets less Depreciation	4,788,917	125,165	296,144	24,545,850	29,756,076	4,313,638	34,069,714
Total	8,495,901	272,019	464,261	36,024,369	45,256,550	6,301,050	51,557,600
<u>LIABILITIES</u>							
Current and Accrued Liabilities	472,194	113,314	79,208	5,910,841	6,575,557	2,217,663	8,793,220
Long Term Debt	3,699,462	-	-	1,500,000	5,199,462	1,390,220	6,589,702
Deferred Credits	690,596	6,953	2,324	-	699,873	51,395	751,268
Reserves	-	-	-	3,613,528	3,613,528	62,319	3,675,847
Capital Stock	6,063,600	75,200	355,750	25,000,000	31,494,550	2,751,348	34,245,898
Surplus	Dr. 2,429,971	76,552	26,979	-	Dr. 2,326,440	Dr. 171,895	Dr. 2,498,335
Total	8,495,901	272,019	464,261	36,024,369	45,256,550	6,301,050	51,557,600

PROPERTY ACCOUNT, 1948
 (Net Value close of Year)

<u>PROPERTY AND EQUIPMENT</u>							
Aircraft	3,512,726	47,252	199,017	14,650,739	18,409,734	2,349,740	20,759,474
Aircraft Engines	516,790	20,954	43,043	3,632,855	4,215,642	448,174	4,663,816
Aircraft Communication Equipment	-	9,444	3,166	904,283	916,893	55,766	972,659
Miscellaneous Flying Equipment	-	-	3,052	65,400	68,452	47,993	116,445
Total Flying Equipment	4,031,516	77,650	248,278	19,253,277	23,610,721	2,901,673	26,512,394
Miscellaneous Ground Equipment	333,643	20,631	20,314	2,382,935	2,757,523	377,043	3,134,566
Buildings and other Improvements	401,621	26,724	25,511	2,814,628	3,268,484	633,262	3,901,746
Land	22,137	160	2,041	95,009	119,347	201,459	320,806
Grand Total	4,788,917	125,165	296,144	24,545,849	29,756,075	4,113,437	33,869,512
Additions - Retirements - Depreciation -							
Additions during year	1,965,438	30,553	74,508	6,743,287	8,813,786	1,670,637	10,484,423
Retirements during year	898,967	1,278	29,234	3,866,148	4,795,627	1,203,750	5,999,377
Accrued Depreciation end of year	2,991,053	290,967	106,755	5,890,828	9,279,603	1,845,187	11,124,790

/ Includes Overseas Services.

Table 3

CIVIL AVIATION, 1946

INCOME ACCOUNT

	Canadian Pacific Air Lines (including Quebec Airways)	Maritime Central	Central Northern	Trans-Canada Air Lines (North America)	Total Scheduled Air Lines	Other Canadian Carriers	Grand Total Canadian Carriers
Total Revenues	6,141,714	549,844	447,408	20,866,937	28,005,903	5,706,426	33,712,329
Total Expenses	6,538,314	499,919	443,024	21,636,169	28,917,426	5,882,244	34,799,670
Net Operating Revenue	Dr. 196,600	49,925	4,384	Dr. 769,232	Dr. 911,523	Dr. 175,818	Dr. 1,087,341
Non-operating Income Total	8,777	-	-	41,095	49,872	27,413	77,285
Gross Income less Operating Expense	Dr. 187,823	49,925	4,384	Dr. 728,137	Dr. 861,651	Dr. 148,405	Dr. 1,010,056
<u>Deductions from Gross Income -</u>							
Miscellaneous Income Charges	124,386	-	-	Dr. 693	123,693	15,815	139,508
Interest on Long Term Debt	-	-	-	425,902	425,902	30,641	456,543
Miscellaneous Interest Charges	3,245	529	-	29,676	33,450	42,631	76,081
Amortization of Discount on Debt	-	-	-	-	-	910	910
Total Deductions	127,631	529	-	454,885	583,045	89,997	673,042
Net Income before Income Tax	Dr. 315,454	49,396	4,384	Dr. 1,183,022	Dr. 1,444,696	Dr. 238,402	Dr. 1,683,098
Income Taxes	-	17,435	(1) 8,200	-	25,635	21,648	47,283
Balance Transferred to Profit and Loss	Dr. 315,454	31,961	Dr. 3,816	Dr. 1,183,022	Dr. 1,470,331	Dr. 260,050	Dr. 1,730,381
<u>PROFIT AND LOSS</u>							
<u>Credits -</u>							
Balance at beginning of year	-	61,331	18,304	-	79,635	302,149	381,784
Balance from Income	-	31,961	-	-	31,961	235,100	267,061
Miscellaneous Credits	-	269	24,111	x 4,302,918	4,327,298	108,711	4,436,009
Total	-	93,561	42,415	x 4,302,918	4,438,894	645,960	5,084,854
<u>Debits</u>							
Balance at beginning of year	2,114,517	-	-	x 1,369,678	3,484,195	625,227	4,109,422
Balance transferred from Income	315,454	-	3,816	x 2,933,240	3,252,510	497,320	3,749,830
Miscellaneous Debits	-	3,550	4,745	-	8,295	135,362	143,657
Dividends	-	13,459	6,875	-	20,334	-	20,334
Total	2,429,971	17,009	15,436	x 4,302,918	6,765,334	1,257,909	8,023,243
Credit Balance at close of year	-	76,552	26,979	-	103,531	458,484	562,015
Debit Balance at close of year	2,429,971	-	-	-	2,429,971	1,070,433	3,500,404

x - Includes overseas services. Credit is federal grant to cover losses.

(1) Tax exceeds net due to non-allowance of expense item claimed.

Table 4

CIVIL AVIATION, 1948

	Canadian Pacific Air Lines (including Quebec Airways)	Maritime Central	Central Northern	Trans-Canada Air Lines [/]	Total Scheduled Air Lines	Other Canadian Carriers	Grand Total Canadian Carriers
<u>REVENUES -</u>							
Passenger	3,226,688	223,827	100,238	14,869,578	18,420,331	412,376	18,832,707
Excess Baggage	28,067	1,659	3,205	124,743	157,674	3,182	160,856
Mail	1,402,609	160,783	35,298	4,648,775	6,247,465	27,036	6,274,501
Goods	662,349	8,317	96,237	764,176	1,531,079	88,871	1,619,950
Chartered Services	195,420	60,153	184,915	99,321	539,809	3,201,230	3,741,039
Other Air Services	274,782	91,978	20,667	479	387,906	1,403,626	1,791,532
Total	5,789,915	546,717	440,560	20,507,072	27,284,264	5,136,321	32,420,585
Incidental Revenues, net	351,799	3,127	6,848	359,865	721,639	570,105	1,291,744
Grand Total	6,141,714	549,844	447,408	20,866,937	28,005,903	5,706,426	33,712,329

Table 5

<u>EXPENSES</u>							
Aircraft Operation and Maintenance ...	3,682,488	317,932	295,988	12,415,893	16,712,301	4,162,232	20,874,533
Ground Operation and Maintenance	1,773,338	112,188	91,328	6,143,249	8,120,103	936,134	9,056,257
Traffic Expenses	359,311	17,717	9,148	2,197,072	2,583,248	130,783	2,714,031
General Administration	496,812	50,606	41,586	789,392	1,378,396	629,881	2,008,277
General Taxes	26,365	1,476	4,974	90,563	123,378	23,214	146,592
Grand Total	6,338,314	499,919	443,024	21,636,169	28,917,426	5,882,244	34,799,670

/ North American Service only.

Table 6

CIVIL AVIATION, 1948

	Canadian Pacific Air Lines (including Quebec Airways)	Maritime Central	Central Northern	Trans-Canada Air Lines	Total Scheduled Air Lines	Other Canadian Carriers	Grand Total Canadian Carriers	Foreign Inter- national	GRAND TOTAL
Aircraft Miles - Scheduled	4,224,662	463,985	162,325	14,454,260	19,305,230	-	19,305,230	N/A	-
Miles Flown - Revenue	4,758,628	662,278	568,581	15,270,649	21,260,136	13,320,807	34,580,943	1,272,034	35,852,977
Non-revenue	193,986	19,244	31,974	1,056,742	1,301,946	1,158,121	2,460,067	21,057	2,481,124
Total	4,952,614	681,522	600,555	16,327,391	22,562,082	14,478,928	37,041,010	1,293,091	38,334,101
Passengers Carried -									
Revenue Originated	138,415	24,509	10,070	504,342	677,336	163,601	840,937	(1) 175,617	1,016,554
Received from others (Revenue) ..	7,476	3,781	-	28,213	39,470	-	39,470	6,079	45,549
Company Employees	2,946	372	84	30,988	34,390	-	34,390	2,430	36,820
Other non revenue	346	-	-	612	958	3,393	4,351	524	4,875
Total	149,183	28,662	10,154	564,155	752,154	166,994	919,148	184,650	1,103,798
Goods Carried (6) -									
Revenue Originated	7,508,106	1,474,243	3,194,280	4,289,555	16,266,184	15,632,101	31,898,285	(2) 2,620,483	34,518,768
Received from other carriers (rev.)	1,547	21,911	-	23,742	47,200	-	47,200	-	47,200
Non revenue	624,768	1,400	10,885	1,811,054	2,448,107	203,321	2,651,428	45,316	2,696,744
Total ... lbs.	7,934,421	1,497,554	3,205,165	6,124,351	18,761,491	15,835,422	34,596,913	2,665,799	37,262,712
Mail Carried lbs.	1,892,705	490,399	163,777	6,155,214	8,702,095	191,587	8,893,682	(3) 1,216,570	10,110,252
Passenger Miles -									
Revenue	42,388,078	2,815,149	890,507	249,575,544	295,869,278	12,294,038	307,963,316	13,740,802	321,704,118
Company Employees	114,490	29,380	9,695	19,049,106	19,202,671	-	19,202,671	-	19,202,671
Other non revenue	1,128,698	-	-	82,805	1,211,503	373,759	1,585,262	193,179	1,778,441
Total	43,631,266	2,844,529	900,202	268,707,455	316,083,452	12,667,797	328,751,249	13,933,981	342,685,230
Ratio of Available Seat Miles to Revenue Passenger Miles (4) P.C.	46.9	37.3	-	67.8	65.1	-	-	48.3	-
Ton Miles - Goods - Revenue	914,808	164,565	149,911	1,608,102	2,837,386	1,069,388	3,906,774	341,856	4,248,630
Non revenue ...	153,967	117	709	1,034,219	1,189,012	16,857	1,205,869	3,761	1,209,630
Total	1,068,775	164,682	150,620	2,642,321	4,026,398	1,086,245	5,112,643	345,617	5,458,260
Ton Miles - Mail	327,777	20,947	10,174	2,294,088	2,652,986	7,320	2,660,306	200,490	2,860,796
Gasoline Consumed Gallons	2,563,391	257,483	187,654	10,688,527	13,697,055	2,257,349	15,954,404	(5) 1,075,799	17,030,203
Cost \$	937,975	74,696	79,815	3,163,982	4,256,468	863,645	5,120,113	-	5,983,758
Oil Consumed Gallons	30,564	4,406	4,366	137,060	176,396	41,857	218,253	(3) 6,987	225,239
Cost \$	31,612	4,230	3,790	120,463	160,095	46,213	206,308	-	206,308
Hours Flown - Revenue	33,611	4,265	5,803	85,853	129,312	93,912	223,224	7,633	230,857
Non revenue	1,427	165	326	5,990	7,908	12,345	20,253	120	20,373
Miscellaneous	648	680	-	4	1,332	46,975	48,307	1	48,308
Total	35,686	5,110	5,929	91,827	138,552	153,232	291,784	7,754	299,538

- (1) Includes 7,325 passengers between foreign stations.
 (2) Includes 932,923 lbs. of goods between foreign stations.
 (3) Purchased in Canada.
 (4) Computed for routes which were primarily scheduled passenger routes.

- (5) Includes 346,953 lbs. between foreign stations.
 (6) Includes excess baggage.
 / North American service only.

Table 7

CIVIL AVIATION, 1948
EMPLOYEES, SALARIES AND WAGES

Canadian Carriers	Number	Salaries & Wages	Companies	Number	Salaries & Wages
		\$			\$
General Officers	356	1,612,845	Canadian Pacific Air Lines	993	2,624,626
Clerks and Stenographers	855	1,502,323	Maritime Central	67	173,055
Pilots	352	1,899,500	Central Northern	58	159,050
Co-pilots	153	649,314	Trans-Canada Air Lines	3,974	(2) 10,948,546
Despatchers	72	228,307	Total Scheduled	5,092	13,905,277
Communication Operators	428	887,627	Other Air Carriers	891	1,863,214
Stewards and other Attendants	175	343,334	Total Canadian Carriers	5,983	15,768,491
Air Engineers	279	782,585	Foreign International Carriers .....(1)	91	263,668
Mechanics	1,495	3,942,360	Non-commercial	107	187,693
Airport Employees	639	1,373,963	Grand Total	6,181	16,219,852
Stores Employees	168	346,298			
Other Employees	806	1,838,700			
Unclassified	205	366,535			
Total	5,983	15,768,491			

(1) Employees domiciled in Canada only.

(2) Includes some overseas.

Table 8

ACCIDENTS, 1948

	Canadian Pacific Air Lines (including Quebec Airways)	Maritime Central	Central Northern	Trans- Canada Air Lines	Total Scheduled Air Lines	Other Canadian Carriers	Grand Total Canadian Carriers	Foreign Inter- national	Non- Commercial Private, etc. (3)
Accidents resulting in Property Damage only	16	2	3	5	26	54	80	-	
<u>Revenue Transportation -</u>									
Number resulting in Death or Injury	-	-	-	2	2	12	14	-	
Number of Persons - Killed - Crew - Pilots	-	-	-	-	-	2	2	-	
Other Crew ...	-	-	-	-	-	-	-	-	
Passengers	-	-	-	-	-	30	30	-	
Total	-	-	-	-	-	32	32	-	
Injured - Crew - Pilots	-	-	-	-	-	6	6	-	
Other Crew ..	-	-	-	-	-	1	1	-	
Passengers	-	-	-	2	2	4	6	-	
Total	-	-	-	2	2	11	13	-	
<u>Non-revenue Transportation -</u>									
Number resulting in Death or Injury	-	-	-	-	-	3	3	-	
Number of Persons - Killed - Crew - Pilots	-	-	-	-	-	-	-	-	
Injured	-	-	-	-	-	3	3	-	
<u>Miscellaneous Flying-</u>									
Number resulting in Death or Injury	-	-	-	-	-	8	8	-	
Number of Persons - Killed - Crew - Pilots	-	-	-	-	-	12	12	-	
Injured	-	-	-	-	-	2	2	-	
<u>Total All Flying -</u>									
Number resulting in Death or Injury	-	-	-	2	2	23	25	-	
Number of Persons - Killed - Crew - Pilots	-	-	-	-	-	8	8	-	
Other Crew ...	-	-	-	-	-	-	-	-	
Passengers	-	-	-	-	-	36	36	-	
Total	-	-	-	-	-	44	44	-	
Injured - Crew - Pilots	-	-	-	-	-	11	11	-	
Other Crew ..	-	-	-	-	-	1	1	-	
Passengers	-	-	-	2	2	4	6	-	
Total	-	-	-	2	2	16	18	-	
<u>Non-Flight Accidents -</u>									
Number resulting in Death or Injury (2)	-	-	-	4	4	-	4	-	
Number of Persons - Killed - Crew - Pilots	-	-	-	-	-	-	-	-	
Other Crew ..	-	-	-	-	-	-	-	-	
Other Persons	-	-	-	-	-	-	-	-	
Total	-	-	-	4	4	-	4	-	

(1) Includes 6 passengers.

(2) 4 passengers injured.

(3) No report received for 1948.

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