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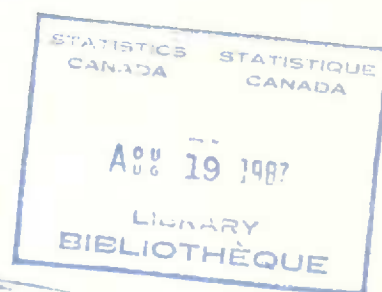
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CANADA

OCT 25 1954

CIVIL AVIATION 1953



Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Transportation and Public Utilities Section

8504-521
13-9-54

Price 25 cents per year

EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1954.

TABLE OF CONTENTS

	Page
Introduction	5
Charts: Revenue Miles Flown and Revenue Passengers Carried by Canadian Carriers	6
Operating Revenues of Canadian Carriers and Revenue Goods and Mail Carried by Canadian Carriers	7
Table 1. Statistical Summary 1948-1953	8
2. General Balance Sheet, Scheduled Carriers, 1953	8
3. General Balance Sheet, Non-scheduled Carriers, 1953	9
4. Property Account, 1953	9
5. Statement of Earned Surplus and Net Worth, 1953	10
6. General Statistics, 1953	10
7. Transportation Statistics, 1953	11
8. Revenues and Expenses, 1953	11
9. General Statistics, Canadian Scheduled Carriers — Domestic Services, 1953	12
10. General Statistics, Canadian Non-Scheduled Carriers — Domestic Services, 1953	12
11. General Statistics, Canadian Carriers — Atlantic and Pacific Services	13
12. Transportation Statistics, Canadian Scheduled Carriers — Domestic Services, 1953	13
13. Transportation Statistics, Canadian Non-Scheduled Carriers — Domestic Services, 1953	14
14. Transportation Statistics, Canadian Carriers — Atlantic and Pacific Services, 1953	15
15. Revenues and Expenses, Canadian Scheduled Carriers, 1953	15
16. Revenues and Expenses, Canadian Non-Scheduled Carriers, 1953	16
17. Employees, Salaries and Wages	16
18. Accidents involving Canadian Air Carriers, 1949-1953	17
19. Number of Personnel and Airport Licences Issued and Number of Aircraft Registered as of December 31, 1953	17

CIVIL AVIATION

1953

Canadian air carriers reported continuing growth and progress in 1953 as new records were established for most of the financial accounts and operational items, but, as in 1952, higher operating costs resulted in a drop in operating income to \$1,295,600 from \$3,763,948 and in net income to \$1,120,441 from \$1,372,385.

All revenue and expense accounts, except the cost of general taxes, showed substantial gains over the previous year, and reached new levels. Revenue received for the transportation of passengers rose to \$59,566,012 a gain of \$7,884,313 or 15.3 per cent over the 1952 total of \$51,681,699, mail revenue increased to \$10,089,106 from \$9,830,719; freight revenue rose to \$5,362,991 from \$4,889,663 and excess baggage receipts were up to \$622,609 from \$480,739. Total revenue for the performance of unit toll transportation services thus amounted to \$75,640,718 as compared with \$66,882,820 in 1952, an increase of \$8,757,898 or 13.1 per cent. Bulk transportation services earned \$19,664,102 an advance of \$2,712,065 or 16 per cent over 1952 and other flying services totalled \$5,716,720 as against \$4,298,355, the addition of \$3,233,960 received for non-flying services, up from \$2,386,083 in 1952 raised the total operating revenues to \$104,255,500 from \$90,519,295, an advance of \$13,736,205 or 15.2 per cent, total operating revenues of the scheduled carriers rose to \$84,197,975 from \$75,115,634 or by 12.1 per cent while those for the non-scheduled airlines rose 30.2 per cent to \$20,057,525.

Operating expenses on the whole rose more rapidly than operating revenues. Aircraft operation and maintenance expenses advanced 18.6 per cent to \$60,618,261 from \$51,099,026; ground operation and maintenance costs increased 19.9 per cent to \$25,186,828 from \$21,002,448; traffic costs rose to \$10,539,641 from \$8,597,499; and, general administration charges increased to \$6,192,683 from \$5,619,172; while general taxes declined slightly. The total operating expenses thus amounted to \$102,959,900 as compared with \$86,755,347 in the previous year, a gain of \$16,204,553 or 18.7 per cent.

The above mentioned increases in the financial accounts were, as a rule, the result of the advancement to record breaking levels of all reported traffic data, except for the amount of non-revenue goods carried. The number of passengers carried in unit toll transportation services increased to 1,822,748 from 1,591,239, a gain of 231,509 or 14.5 per cent while the number of revenue passenger miles rose 17 per cent to 895,597,913 miles from 765,354,996, thus indicating a longer average journey. In addition, there were 61,406 non revenue passengers carried and 388,989 transported in bulk (charter or contract) services. The total number of passengers

thus numbered 2,273,143 as compared with 1,952,316 in 1952. The volume of revenue goods flown by air aggregated 168,357,031 lbs. of which 35,627,336 lbs. were carried in unit toll services and 132,729,695 lbs. in bulk transportation services. In the previous year, Canadian carriers transported 127,291,124 lbs. of which 32,583,315 lbs. were toled in unit toll flights and 94,707,809 lbs. in bulk services. The increase in revenue goods carried in unit toll transportation amounted to 3,044,021 lbs. or 9.3 per cent while the corresponding goods ton miles rose 15.7 per cent to 10,728,780 from 9,272,667. Another new record was established for the volume of air mail which advanced to 17,085,482 lbs. and exceeded the previous record of 15,321,529 lbs. which was set in 1952, by 11.5 per cent. Mail ton miles rose to 6,307,456 from 5,558,662 an improvement of 13.5 per cent.

During the year, Canadian carriers flew a total of 61,799,290 revenue miles in 487,743 hours of which 40,883,420 miles were in unit toll transportation services requiring a flying time of 231,511 hours, and 20,915,870 miles in bulk services flown in 173,039 hours. In 1952, the airlines logged 56,752,397 revenue miles in 459,320 hours of which 37,500,780 miles in 218,442 hours were in unit toll services and 19,251,617 miles in 160,611 hours in bulk services.

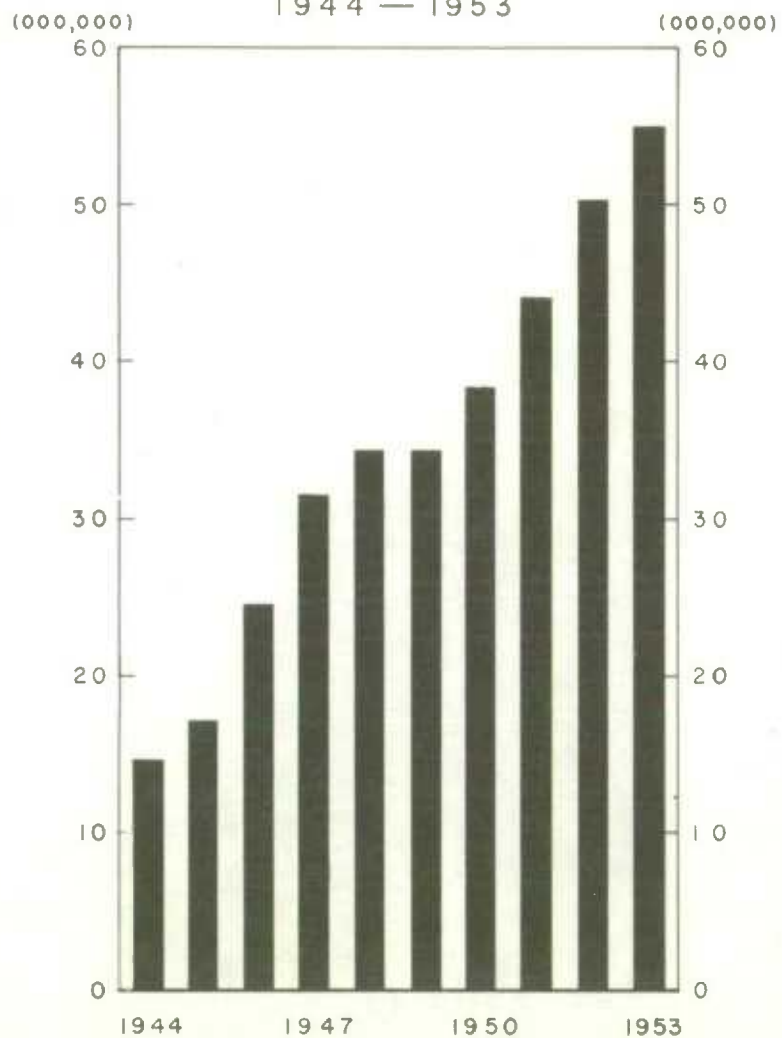
Salaries and wages received by the 10,703 employees engaged by Canadian carriers amounted to \$42,188,464 for the year as compared with 9,398 employees who earned \$35,404,009 in 1952. The average salary was thus raised to \$3,942 from \$3,767, a gain of \$175 or 4.6 per cent. All classes of employees increased in number and most of them in average earnings.

Gasoline consumed by Canadian carriers, which amounted to 38,885,158 gallons in 1952, rose to 44,817,925 gallons, a rise of 15.3 per cent while the cost which was \$12,498,175 a year ago advanced 20 per cent to \$15,002,452. The industry also consumed 592,859 gallons of oil at a cost of \$583,943 as compared with 484,222 gallons costing \$490,258 in 1952. The average cost per gallon, to Canadian carriers for gasoline thus rose from 32.1 to 33.5 cents but that for oil declined from 101.2 per gallon to 98.5 cents.

Accidents involving Canadian carriers during 1953 totalled 174 as compared with 169 in 1952, 137 in 1951 and 148 in 1950 according to the report issued by the Civil Aviation Division, Department of Transport. Fatalities numbered 74 as against 57 in 1952, 109 in 1951 and 99 in 1950. The number of passengers killed increased to 43 from 26 in the previous year while 25 pilots lost their lives against 28 in 1952.

REVENUE MILES FLOWN BY CANADIAN CARRIERS *

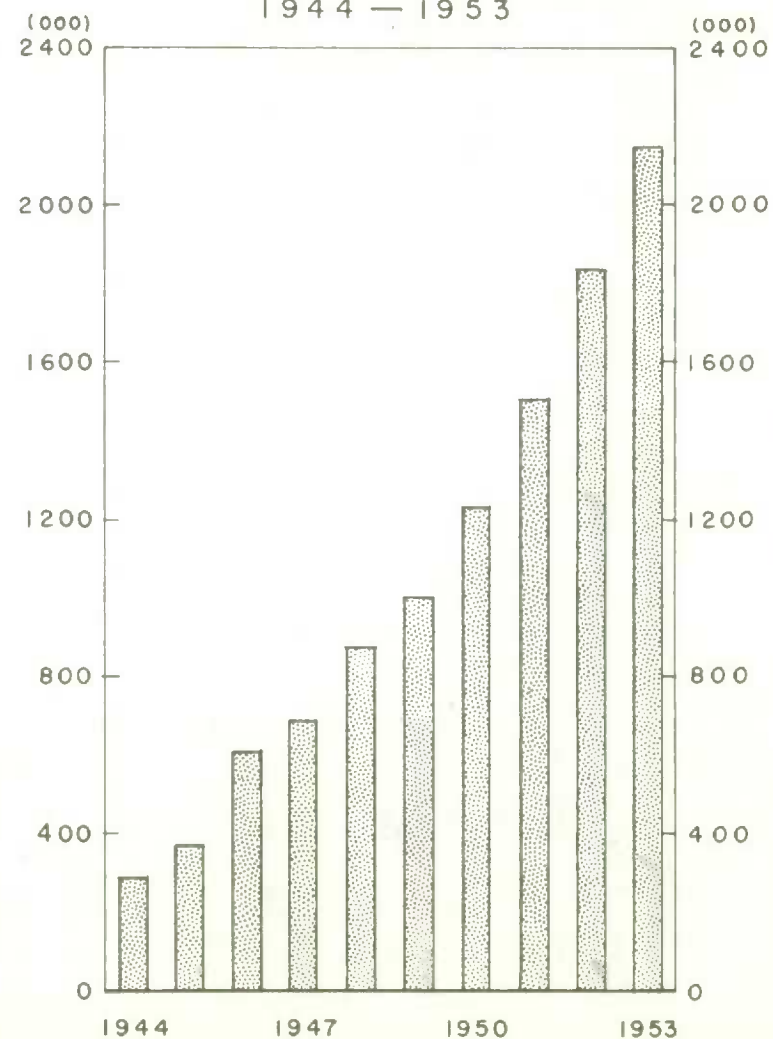
1944 — 1953



* Excludes C.P.A., T.C.A. overseas routes

NUMBER OF REVENUE PASSENGERS CARRIED BY CANADIAN CARRIERS *

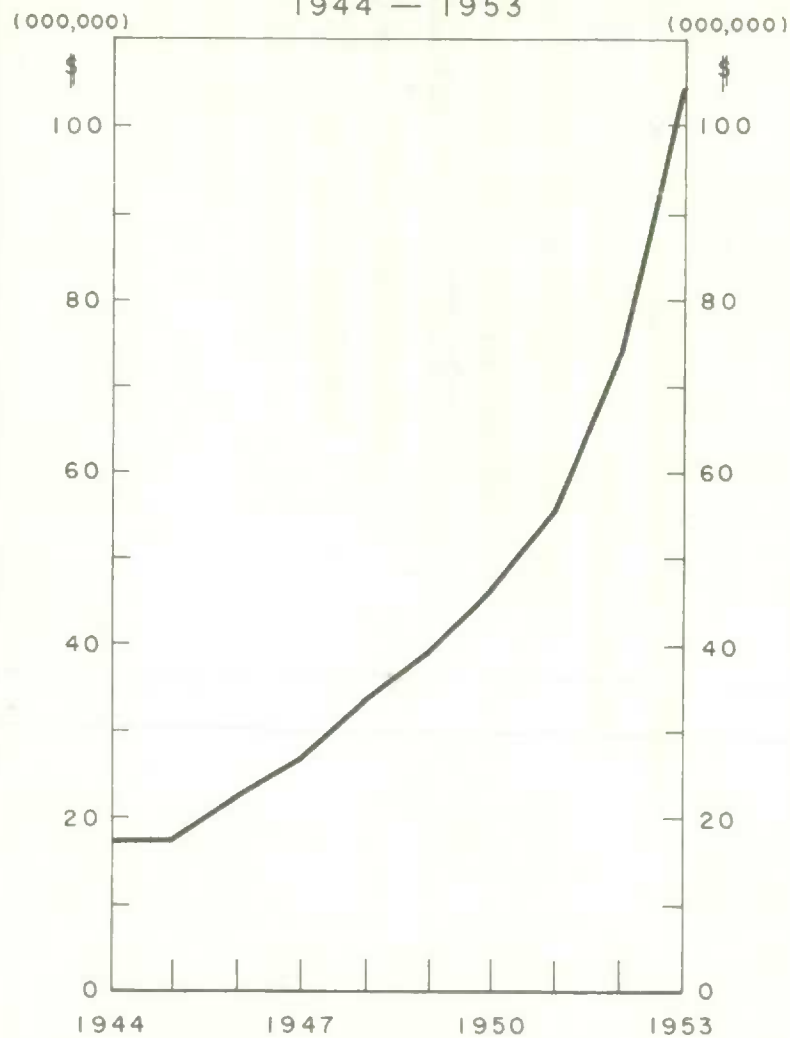
1944 — 1953



* Excludes C.P.A., T.C.A. overseas routes

OPERATING REVENUES OF CANADIAN CARRIERS*

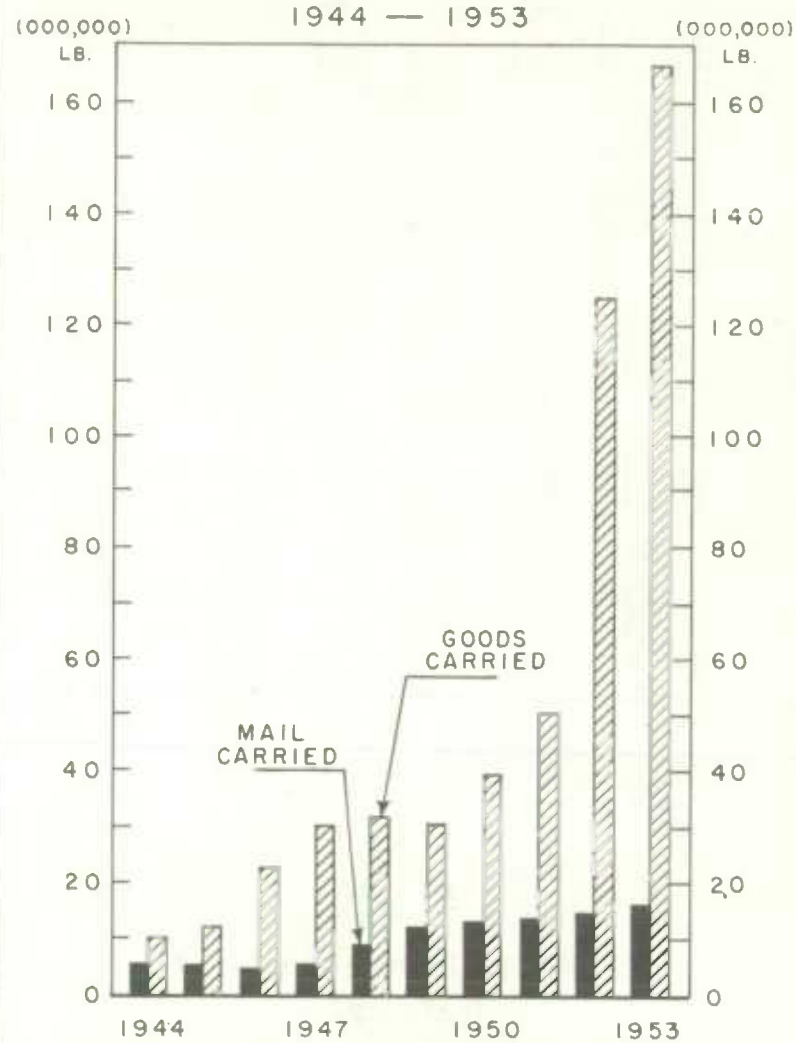
1944 — 1953



* Excludes C.P.A., T.C.A. overseas routes

REVENUE GOODS AND MAIL CARRIED BY CANADIAN CARRIERS*

1944 — 1953



* Excludes C.P.A., T.C.A. overseas routes

TABLE 1. Statistical Summary 1948-1953¹

	1953	1952	1951	1950	1949	1948
Miles flown—revenue	64,076,912	58,775,340	52,578,934	44,470,174	40,083,834	40,524,432
Hours flown:						
Revenue	498,891	469,677	507,745	267,282	245,956	251,593
Non-revenue	26,044	22,045	74,962	62,232	54,460	71,394
Total	524,935	491,722	582,707	329,514	300,416	322,987
Passengers carried:						
Revenue	2,724,432	2,298,194	1,889,950	1,500,361	1,238,614	1,092,825
Non-revenue	71,405	62,653	58,030	52,985	49,683	43,383
Total	2,795,837	2,360,847	1,947,980	1,553,346	1,308,297	1,136,208
Passenger miles:						
Revenue (Unit toll transportation only)	942,269,095	805,642,141	689,819,451	550,534,058	464,609,486	410,167,681
Non-revenue " " " " " "	45,784,828	33,945,124	31,420,440	33,286,119	29,470,517	23,469,692
Total " " " " " "	988,053,923	839,587,265	721,239,891	583,820,177	494,080,003	433,637,373
Goods carried (lbs):						
Revenue	177,451,345	135,055,106	59,199,354	44,586,726	35,119,684	35,301,494
Non-revenue	5,268,374	5,679,436	4,587,063	3,899,517	3,641,128	3,083,652
Total	182,719,719	140,734,542	63,786,417	48,486,243	38,760,812	38,385,146
Goods ton miles:						
Revenue (Unit toll transportation only)	11,738,487	10,134,861	8,562,261	6,867,410	5,401,245	3,924,745
Non-revenue " " " " " "	2,796,334	2,519,711	2,440,113	2,180,200	2,072,815	1,620,287
Total " " " " " "	14,534,821	12,654,572	11,002,374	9,047,610	7,474,060	5,545,032
Mail carried (lbs) — Unit toll transportation	20,319,952	18,328,310	16,824,652	14,501,110	13,752,434	10,340,024
Mail ton miles — Unit toll transportation	6,419,077	5,725,178	5,306,076	4,732,670	4,513,391	3,230,139
Fuel consumed:						
Gasoline	gals. 51,817,843	45,542,485	36,722,262	27,335,505	24,760,805	22,801,136
Oil	\$ 16,573,708	12,498,175	9,708,577	8,332,496	7,668,938	6,946,085
Oil	gals. 649,664	547,501	412,272	338,771	311,093	290,512
Oil	\$ 614,724	490,258	324,134	302,923	271,601	268,472
Average number of employees	11,105	9,746	8,107	7,239	7,304	6,927
Salaries and wages	\$ 43,696,008	36,625,014	27,399,363	22,111,551	21,700,697	18,685,759
Operating revenues:						
Unit toll transportation	75,640,718	66,882,820	59,480,858	49,257,054	42,776,983	35,342,008
Bulk transportation	19,664,102	16,952,037	10,202,691	5,231,266	4,285,962	5,887,955
Other revenue services	8,950,680	6,684,438	3,367,983	2,920,098	2,740,463	3,364,621
Total	104,255,500	90,519,295	73,051,532	57,408,418	49,803,408	44,594,584
Operating expenses:						
Aircraft operation and maintenance	60,618,261	51,099,026	38,282,623	33,915,060	30,973,286	28,296,012
Ground operation and maintenance	25,186,828	21,002,448	16,407,372	14,236,754	13,325,960	11,792,962
Traffic, general administration and taxes	17,154,811	14,653,873	11,370,951	9,408,249	8,796,179	7,140,972
Total	102,959,900	86,755,347	66,060,946	57,560,063	53,095,425	47,229,946
Operating income (or loss)	1,295,600	3,763,948	6,990,586	Dr. 151,645	Dr. 3,292,017	Dr. 2,635,362

1. 1948 to 1951 revised to include C.P.A. and T.C.A. Overseas Services, subsequently included.

GENERAL BALANCE SHEET
TABLE 2. Scheduled Carriers, 1953

	Canadian Pacific Air Lines ¹	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines ¹	Total Scheduled Carriers
	\$	\$	\$	\$	\$	\$	\$
Assets:							
Current assets	5,123,699	247,770	715,598	195,446	228,570	21,595,222	28,106,305
Investments	445,144	5,145	200,975	2,422	—	25,919	679,605
Deferred debits	118,184	25,266	15,606	—	—	—	159,056
Special funds	—	—	—	—	—	5,782,262	5,782,262
Fixed assets (less depreciation)	15,962,154	261,982	678,002	551,327	371,077	18,076,615	35,901,157
Total	21,649,181	540,163	1,610,181	749,195	599,647	45,480,018	70,628,385
Liabilities:							
Current liabilities	3,467,538	79,596	749,922	432,187	251,760	7,190,249	12,171,252
Long term debt	7,750,000	57,951	9,674	63,610	186,000	20,000,000	28,067,235
Deferred credits	245,013	509	14,259	—	—	1,691,677	1,951,458
Reserves	—	—	119,082	12,987	—	6,643,026	6,775,095
Capital stock	10,000,000	355,750	15,000	85,800	157,464	5,000,000	15,614,014
Surplus	186,630	46,357	702,244	154,611	4,423	4,955,066	6,049,331
Total	21,649,181	540,163	1,610,181	749,195	599,647	45,480,018	70,628,385

1. Includes overseas services.

GENERAL BALANCE SHEET
TABLE 3. Non-scheduled Carriers, 1953

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total non-scheduled
	\$	\$	\$	\$
Assets:				
Current assets	4,473,856	783,485	294,865	5,552,206
Fixed assets (less depreciation)	4,559,486	1,565,115	594,976	6,719,577
Other assets	467,462	454,456	65,745	987,663
Total	9,500,804	2,803,056	955,586	13,259,446
Liabilities:				
Current liabilities	4,699,948	1,002,135	235,107	5,937,190
Other liabilities	2,689,706	635,034	278,879	3,603,619
Incorporated companies:				
Capital stock	1,121,598	1,053,390	210,002	2,384,990
Surplus	896,220	Dr. 159,382	4,260	741,098
Non-incorporated businesses — net worth	93,332	271,879	227,336	592,549
Total	9,500,804	2,803,056	955,586	13,259,446

TABLE 4. Property Account, 1953
(Net value, end of year)

	Canadian Pacific Air Lines ¹	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines ¹	Total scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Property and equipment:									
Aircraft	9,540,552	122,199	467,639	434,700	266,412	2,752,363	13,583,865	2,614,601	16,198,466
Aircraft engines	3,275,664	78,507	120,407	—	33,550	647,198	4,155,326	698,585	4,853,911
Motor vehicles and floating equipment	82,973	2,064	14,154	12,631	2,487	538,642	652,951	89,822	742,773
Aircraft communication and equipment	—	4,877	9,517	—	6,867	125,248	146,509	—	146,509
Communication equipment (ground)	21,642	4,520	7,468	10,017	5,521	10,843	60,011	—	60,011
Miscellaneous flying equipment	—	466	—	—	2,914	5,030	8,410	153,031	161,441
Shop and hanger equipment	316,486	7,672	9,357	27,029	9,139	970,605	1,340,488	117,498	1,457,986
Fuel storage and distribution equipment	—	—	—	—	—	—	—	—	—
Furniture, fixtures and office equipment	84,098	4,524	8,821	22,914	7,247	835,686	943,290	54,153	997,443
Airport lighting equipment	—	—	—	—	—	—	—	—	—
Miscellaneous ground equipment	30,241	—	1,000	23,032	5,931	210,499	270,703	193,747	464,450
Buildings	425,566	31,537	37,799	21,003	18,949	5,029,300	5,564,154	569,814	6,133,968
Total net value	13,757,222	256,366	676,162	551,326	359,017	11,125,614	26,725,707	4,491,251	31,216,958
Additions, retirements, depreciation:									
Cost value of assets:									
At beginning of year	10,948,793	512,678	1,283,735	512,889	406,673	31,563,507	45,228,275	7,969,802	53,198,077
Additions during year	10,197,418	118,880	475,354	247,446	314,402	5,077,637	16,431,137	2,885,611	19,316,748
Retirements during year	2,625,159	6,738	47,151	147,382	5,915	421,183	3,253,528	896,397	4,149,925
At end of year	18,521,052	624,820	1,711,938	612,953	715,160	36,219,961	58,405,884	9,959,016	68,364,900
Accrued depreciation:									
At beginning of year	3,254,250	286,955	648,135	295,243	128,202	20,458,606	25,071,391	4,098,269	29,169,660
Decreases	167,252	46,361	28,284	289,242	158,178	407,507	780,468	280,116	1,060,584
Provision for depreciation — current year	1,676,832	127,860	415,925	55,626	69,763	5,043,248	7,389,254	1,649,612	9,038,866
At end of year	4,763,830	368,454	1,035,776	61,627	356,143	25,094,347	31,680,177	5,467,765	37,147,942
Total net value	13,757,222	256,366	676,162	551,326	359,017	11,125,614	26,725,707	4,491,251	31,216,958

1. Includes overseas service.

TABLE 5. Statement of Earned Surplus and Net Worth, 1953

	Canadian Pacific Air Lines ¹	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines ¹	Total Scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Credit balance at beginning of year	Dr. 178,987	49,508	545,168	Dr. 227,069	27,797	4,698,836	4,915,253	357,625	5,272,878
Additions:									
Net income for the year	365,617	8,733	244,700	6,043	—	256,230	881,323	346,202	1,227,525
Miscellaneous credits	68,605	1,866	170,123	268,494	6,899	—	515,987	341,170	857,157
Total additions	434,222	10,599	414,823	274,537	6,899	256,230	1,397,310	687,372	2,084,682
Deductions:									
Deficit for the year	—	—	—	—	29,590	—	29,590	157,702	187,292
Miscellaneous debits	68,605	—	151,623	—	683	—	220,911	75,334	296,245
Dividends	—	13,750	234,024	—	—	—	247,774	37,466	285,240
Deductions from net worth	—	—	—	—	—	—	—	2,032	2,032
Total deductions	68,605	13,750	385,647	—	30,273	—	498,275	272,534	770,809
Credit balance at end of year	186,630	46,357	574,344	47,468	4,423	4,955,066	5,814,288	772,463	6,586,751

1. Includes overseas services.

TABLE 6. General Statistics, 1953

	Canadian carriers					Foreign carriers		Grand total all services
	Domestic services		Trans- border services	Atlantic and Pacific services	Total	Trans- border services	Atlantic and Pacific services	
	Scheduled	Non- scheduled						
Miles flown:								
Revenue:								
Unit toll transportation	29,745,207	1,400,530	4,328,045	5,409,638	40,883,420	1,299,690	902,759	43,085,869
Bulk transportation	3,606,847	15,925,098	1,242	1,382,683	20,915,870	1,830	73,343	20,991,043
Total revenue miles flown ...	33,352,054	17,325,628	4,329,287	6,792,321	61,799,290	1,301,520	976,102	64,076,912
Hours flown:								
Revenue:								
Unit toll transportation	172,514	13,057	22,274	23,666	231,511	7,546	3,294	242,351
Bulk transportation	24,942	142,133	8	5,956	173,039	14	294	173,347
Other flying services	562	82,631	—	—	83,193	—	—	83,193
Total revenue	198,018	237,821	22,282	29,622	487,743	7,560	3,588	498,891
Non-revenue	10,969	12,680	197	2,084	25,930	18	96	26,044
Total hours flown	208,987	250,501	22,479	31,706	513,673	7,578	3,684	524,935
Fuel consumed:								
Gasoline	gals. 25,736,376	6,608,675	4,174,814	8,298,060	44,817,925	876,202 ³	6,123,716 ³	51,817,843
Cost	\$ 8,442,887	2,867,301	1,050,504	2,641,760	15,002,452	314,756	1,256,500	16,573,708
Oil	gals. 329,072	112,525	44,330	106,932	592,859	7,618 ³	49,187 ³	649,664
Cost	\$ 308,376	140,544	33,015	102,008	583,943	5,682	25,099	614,724
Average No. of employees	8,254	1,583	2	866	10,703	183	219	11,105
Salaries and wages	\$ 32,478,037	5,944,631	2	3,765,796	42,188,464	681,405	826,139	43,696,008
Average No. of Aircraft:								
Owned	129	517	2	17	663	Not applicable	Not applicable	663
Leased	5	39	2	—	44			44
Total	134	556	2	17	707			707
Ratio of miles flown to miles scheduled ¹	96.0	Not applicable	95.5	95.1	95.8	98.3	94.0	95.8
Revenue passenger load factor — scheduled	66.6		70.1	61.4	66.1	45.2	42.1	64.5

1. Includes miles flown on regular scheduled flights only.

2. Included in scheduled domestic services.

3. Gasoline and oil taken on in Canada.

TABLE 7. Transportation Statistics, 1953

	Canadian carriers					Foreign carriers		Grand total all services
	Domestic services		Trans-border services	Atlantic and Pacific services	Total	Trans-border services	Atlantic and Pacific services	
	Scheduled	Non-scheduled						
Passengers carried:								
Revenue:								
Unit toll transportation.....	1,386,432	33,187	340,695	62,434	1,822,748	385,263 ¹	118,954 ²	2,326,965
Bulk transportation.....	62,537	316,597	150	9,705	388,989	409 ³	8,069 ⁴	397,467
Total revenue.....	1,448,969	349,784	340,845	72,139	2,211,737	385,672	127,023	2,724,432
Non-revenue.....	44,651	4,524	6,203	6,028	61,406	6,433	3,566	71,405
Total passengers carried.....	1,493,620	354,308	347,048	78,167	2,273,143	392,105	130,589	2,795,837
Passenger miles — Unit toll transportation:								
Revenue.....	624,197,999	3,899,635	116,416,223	151,084,056	895,597,913	21,035,490	25,635,692	942,269,095
Non-revenue.....	29,942,287	23,819	2,164,831	11,670,889	43,801,826	812,366	1,170,636	45,784,828
Total passenger miles.....	654,140,286	3,923,454	118,581,054	162,754,945	939,399,739	21,847,856	26,806,328	988,053,923
Goods carried (lbs.):								
Revenue:								
Unit toll transportation.....	22,013,973	1,874,582	9,820,468	1,918,313	35,627,336	4,582,109 ⁵	4,410,194 ⁶	44,619,639
Bulk transportation.....	12,976,434	119,753,261	—	—	132,729,695	12,981 ⁷	89,030 ⁸	132,831,706
Total revenue.....	34,990,407	121,627,843	9,820,468	1,918,313	168,357,031	4,595,090	4,499,224	177,451,345
Non-revenue.....	3,762,363	199,438	135,901	454,100	4,551,802	148,162	568,410	5,268,374
Total goods carried.....	38,752,770	121,827,281	9,956,369	2,372,413	172,908,833	4,743,252	5,067,634	182,719,719
Goods ton miles — Unit toll transportation:								
Revenue.....	6,180,645	192,769	1,768,288	2,587,078	10,728,780	184,178	825,529	11,738,487
Non-revenue.....	1,903,021	6,933	24,378	712,264	2,646,596	56,357	93,381	2,796,334
Total goods ton miles.....	8,083,666	199,702	1,792,666	3,299,342	13,375,376	240,535	918,910	14,534,821
Mail carried (lbs) — Unit toll transportation.....	15,216,497	754,433	550,278	564,274	17,085,482	1,463,365 ⁹	1,771,105 ¹⁰	20,319,952
Mail ton miles — Unit toll transportation.....	5,190,224	75,056	99,864	942,312	6,307,456	46,884	64,737	6,419,077

1. Includes 7,047 passengers between foreign points.
2. " 78,665 " " " "
3. " — " " " "
4. " 2,632 " " " "
5. " 311,477 goods (lbs) " " " "
6. " 3,164,133 " " " "
7. " — " " " "
8. " 73,215 " " " "
9. " 88,755 mail " " " "
10. " 1,318,985 " " " "

TABLE 8. Revenues and Expenses, 1953

	Canadian carriers		
	Scheduled ¹	Non-scheduled	Total
	\$	\$	\$
Operating revenues:			
Unit toll transportation:			
Passengers.....	58,987,976	578,036	59,566,012
Mail.....	9,824,946	264,160	10,089,106
Goods.....	5,060,296	302,695	5,362,991
Excess baggage.....	607,624	14,985	622,609
Total unit toll transportation.....	74,480,842	1,159,876	75,640,718
Bulk transportation.....	7,467,912	12,196,190	19,664,102
Other flying services.....	66,696	5,650,024	5,716,720
Total flying services.....	82,015,450	19,006,090	101,021,540
Non-flying services.....	2,182,525	1,051,435	3,233,960
Total operating revenues.....	84,197,973	20,067,525	104,255,500
Operating expenses:			
Aircraft operation and maintenance.....	45,849,346	14,768,915	60,618,261
Ground operation and maintenance.....	22,219,796	2,967,032	25,186,828
Traffic.....	10,207,893	331,748	10,539,641
General administration.....	4,631,833	1,560,850	6,192,683
General taxes.....	383,876	38,611	422,487
Total operating expenses.....	83,292,744	19,667,156	102,959,900
Operating income (or loss).....	905,231	390,369	1,295,600
Add non-operating income.....	825,744	140,209	965,953
Gross income.....	1,730,975	530,578	2,261,553
Deduct interest and other income charges.....	755,998	154,577	910,575
Net income before income taxes.....	974,977	376,001	1,350,978
Deduct provision for income taxes.....	123,244	107,293	230,537
Net income (or deficit) after income taxes.....	851,733	268,708	1,120,441
Operating ratio.....	98.9	98.1	98.8

1. Includes Canadian Trans-border, Atlantic and Pacific services.

Note: Revenues and expenses for foreign carriers not available.

GENERAL STATISTICS
TABLE 9. Canadian Scheduled Carriers - Domestic Services, 1933

	Canadian Pacific Air Lines	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines	Total
Miles scheduled	5,493,913	107,024	454,399	345,344	339,123 ³	22,290,554	29,030,357
Miles flown:							
Revenue:							
Unit toll transportation	5,928,873	572,035	522,698	596,118	339,123	21,786,360	29,745,207
Bulk transportation	40,672	439,019	2,384,910	233,235	429,115	79,896	3,606,847
Total revenue	5,969,545	1,011,054	2,907,608	829,353	768,238	21,866,256	33,352,054
Non-revenue	209,847	67,316	51,690	41,632	24,404	1,274,535	1,669,424
Total miles flown	6,179,392	1,078,370	2,959,298	870,985	792,642	23,140,791	35,021,478
Hours flown:							
Revenue:							
Unit toll transportation	40,295	4,933	3,766	4,812	3,047	115,661	172,514
Bulk transportation	295	4,138	14,685	2,186	3,212	426	24,942
Other flying services	—	—	558	—	—	4	562
Total revenue	40,590	9,071	19,009	6,998	6,259	116,091	198,018
Non-revenue	1,274	594	392	444	216	8,049	10,969
Total hours flown	41,864	9,665	19,401	7,442	6,475	124,140	208,987
Fuel consumed:							
Gasoline	gals. 3,813,670	314,167	1,679,475	407,399	430,902	19,090,763	25,736,376
Cost	\$ 1,508,212	145,822	579,182	128,128	151,654	5,929,889	8,442,887
Oil	gals. 44,253	4,960	21,157	6,610	7,031	245,061	329,072
Cost	\$ 45,958	4,889	20,098	6,850	6,687	223,894	308,376
Average No. of employees	1,087	68	205	149	95	6,650 ²	8,254 ²
Salaries and wages	\$ 4,318,728	264,389	927,959	533,558	356,936	26,076,467 ²	32,478,037 ²
Average No. of aircraft:							
Owned	28	21	17	13	9	41 ²	129 ²
Leased	—	—	1	4	—	—	5
Total	28	21	18	17	9	41 ²	134 ²
Ratio of miles flown to miles scheduled ¹	96.9	71.7	93.5	95.2	100.0	95.8	96.0
Revenue passenger load factor—scheduled	52.7	4	33.8	51.5	36.8	70.3	66.6

1. Includes miles flown on regular scheduled flights only.
2. Includes Trans-Border Services.
3. Estimated.
4. Not available.

GENERAL STATISTICS - CANADIAN CARRIERS
TABLE 10. Non-Scheduled Carriers - Domestic Services, 1933

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Miles scheduled	Not applicable			
Miles flown:				
Revenue:				
Unit toll transportation	1,123,224	228,787	48,519	1,400,530
Bulk transportation	11,894,261	3,179,546	851,291	15,925,098
Total revenue	13,017,485	3,408,333	899,810	17,325,628
Non-revenue	1	1	1	1
Total miles flown	1	1	1	1
Hours flown:				
Revenue:				
Unit toll transportation	10,817	1,836	404	13,057
Bulk transportation	102,912	30,221	9,000	142,133
Other flying services	27,772	42,462	12,397	82,631
Total revenue	141,501	74,519	21,801	237,821
Non-revenue	7,767	3,333	1,580	12,680
Total hours flown	149,268	77,852	23,381	250,501
Fuel consumed:				
Gasoline	gals. 5,564,777	814,028	229,870	6,608,675
Cost	\$ 2,386,792	371,133	109,376	2,867,301
Oil	gals. 95,776	12,357	4,392	112,525
Cost	\$ 117,064	17,440	6,040	140,544
Average No. of employees	1,191	292	100	1,583
Salaries and wages	\$ 4,791,788	955,817	197,026	5,944,631
Average No. of aircraft:				
Owned	262	170	85	517
Leased	21	10	8	39
Total	283	180	93	556
Ratio of miles flown to miles scheduled	Not applicable			
Revenue passenger load factor—scheduled	Not applicable			

1. Not available.

GENERAL STATISTICS - CANADIAN CARRIERS
TABLE 11. Atlantic and Pacific Services

	T. C. A. Atlantic services	C. P. A. Pacific services	Total
Miles scheduled	3,784,718	1,674,144	5,458,862
Miles flown:			
Revenue:			
Unit toll transportation	3,965,055	1,444,583	5,409,638
Bulk transportation	10,711	1,371,972	1,382,683
Total revenue	3,975,766	2,816,555	6,792,321
Non-revenue	256,223	213,142	469,365
Total miles flown	4,231,989	3,029,697	7,261,686
Hours flown:			
Revenue:			
Unit toll transportation	17,725	5,941	23,666
Bulk transportation	48	5,908	5,956
Other flying services	—	—	—
Total revenue	17,773	11,849	29,622
Non-revenue	1,241	843	2,084
Total hours flown	19,014	12,692	31,706
Fuel consumed:			
Gasoline	4,826,256 gals.	3,471,804	8,298,060
Cost	1,446,162 \$	1,195,598	2,641,760
Oil	63,401 gals.	43,531	106,932
Cost	55,383 \$	46,625	102,008
Average No. of employees	549	317	866
Salaries and wages	2,227,297 \$	1,538,499	3,765,796
Average No. of aircraft:			
Owned	12	5	17
Leased	—	—	—
Total	12	5	17
Ratio of miles flown to miles scheduled ¹	99.6	84.8	95.1
Revenue passenger load factor - scheduled	70.3	44.2	61.4

1. Includes miles flown on regular scheduled flights only.

TRANSPORTATION STATISTICS
TABLE 12. Canadian Scheduled Carriers - Domestic Services, 1953

	Canadian Pacific Air Lines	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines	Total
Passengers carried:							
Revenue:							
Scheduled:							
Originated	190,366	1,862	27,447	41,111	68,834	888,266	1,217,886
Domestic interline	15,702	—	3,144	—	—	16,830	35,676
Foreign interline	5,125	—	—	—	—	60,222	65,347
Division interline	—	—	—	—	—	46,010	46,010
Non-scheduled	1,175	8,641	1,442	10,255	—	—	21,513
Total unit toll transportation	212,368	10,503	32,033	51,366	68,834	1,011,328	1,386,432
Bulk transportation	1,488	5,653	32,873	3,702	12,415	6,406	62,537
Total revenue	213,856	16,156	64,906	55,068	81,249	1,017,734	1,448,969
Non-revenue	2,980	133	1,532	1,907	214	37,885	44,651
Total passengers carried	216,836	16,289	66,438	56,975	81,463	1,055,619	1,493,620
Passenger miles - Unit toll transportation:							
Revenue	82,903,915	1,279,516	3,695,721	6,421,618	3,341,666	526,555,363	624,197,999
Non-revenue	1,867,263	19,160	127,281	186,100	19,420	27,723,063	29,942,287
Total passenger miles	84,771,178	1,298,676	3,823,002	6,607,918	3,361,086	554,278,426	654,140,286
Goods carried (lbs.):							
Revenue:							
Scheduled:							
Originated	6,835,023	30,063	129,978	217,060	1,343,655	9,043,291	17,599,070
Domestic interline	10,685	—	54,736	—	—	4,545	69,966
Foreign interline	4,769	—	—	—	—	27,969	32,738
Division interline	12	—	—	—	—	2,256,051	2,256,063
Non-scheduled	6,875	1,827,091	140,896	79,274	—	—	2,056,136
Total unit toll transportation	6,859,364	1,857,154	325,610	296,334	1,343,655	11,331,856	22,013,973
Bulk transportation	17,139	2,612,036	8,164,691	28,065	2,083,465	71,038	12,976,434
Total revenue	6,876,503	4,469,190	8,490,301	324,399	3,427,120	11,402,894	34,990,407
Non-revenue	470,957	30,736	—	29,888	—	3,230,782	3,762,363
Total goods carried	7,347,460	4,499,926	8,490,301	354,287	3,427,120	14,633,676	38,752,770

TRANSPORTATION STATISTICS
TABLE 12. Canadian Scheduled Carriers - Domestic Services, 1933 - Concluded

	Canadian Pacific Air Lines	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines	Total
Goods ton miles - Unit toll transportation:							
Revenue	1,481,436	106,669	60,185	20,875	83,590	4,427,890	6,180,645
Non-revenue	146,766	1,029	—	1,961	—	1,753,265	1,903,021
Total goods ton miles	1,628,202	107,698	60,185	22,836	83,590	6,181,155	8,083,666
Mail carried (lbs.) - Unit toll transportation	2,441,854	433,673	722,757	158,014	583,657	10,876,542	15,216,497
Mail ton miles - Unit toll transportation	517,597	28,393	69,914	13,947	23,857	4,536,516	5,190,224
Available seat miles - Scheduled	153,371,647	1	8,443,614	7,704,693	9,079,627	749,052,527	927,652,108
Available ton miles - Scheduled	18,317,152	1	916,869	823,502	932,022	102,237,163	123,226,708

1. Not available.

TRANSPORTATION STATISTICS - CANADIAN CARRIERS
TABLE 13. Non-Scheduled Carriers - Domestic Services, 1933

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Passengers carried:				
Revenue:				
Scheduled:			Not applicable	
Originated				
Domestic interline				
Foreign interline				
Division interline				
Non-scheduled	21,661	9,282	2,244	33,187
Total unit toll transportation	21,661	9,282	2,244	33,187
Bulk transportation	238,739	62,755	15,103	316,597
Total revenue	260,400	72,037	17,347	349,784
Non-revenue	1,006	721	2,797	4,524
Total passengers carried	261,406	72,758	20,144	354,308
Passenger miles - Unit toll transportation:				
Revenue	3,188,874	505,758	205,003	3,899,635
Non-revenue	22,382	1,437	—	23,819
Total passenger miles	3,211,256	507,195	205,003	3,923,454
Goods carried (lbs.):				
Revenue:				
Scheduled:			Not applicable	
Originated				
Domestic interline				
Foreign interline				
Division interline				
Non-scheduled	1,635,843	226,521	12,218	1,874,582
Total unit toll transportation	1,635,843	226,521	12,218	1,874,582
Bulk transportation	110,865,527	6,688,444	2,199,290	119,753,261
Total revenue	112,501,370	6,914,965	2,211,508	121,627,843
Non-revenue	139,386	13,977	46,075	199,438
Total goods carried	112,640,756	6,928,942	2,257,583	121,827,281
Goods ton miles - Unit toll transportation:				
Revenue	171,972	20,578	219	192,769
Non-revenue	6,933	—	—	6,933
Total goods ton miles	178,905	20,578	219	199,702
Mail carried (lbs.) - Unit toll transportation	691,981	53,152	9,300	754,433
Mail ton miles - Unit toll transportation	71,323	3,380	353	75,056
Available seat miles - Scheduled				
Available ton miles - Scheduled				
		Not applicable		

TRANSPORTATION STATISTICS - CANADIAN CARRIERS
TABLE 14. Atlantic and Pacific Services, 1933

	T. C. A. Atlantic Services	C. P. A. Pacific Services	Total
Passengers carried:			
Revenue:			
Scheduled:			
Originated	54,477	6,322	60,799
Domestic interline	—	292	292
Foreign interline	—	1,079	1,079
Division interline	264	—	264
Non-scheduled	—	—	—
Total unit toll transportation	54,741	7,693	62,434
Bulk transportation	123	9,582	9,705
Total revenue	54,864	17,275	72,139
Non-revenue	5,188	840	6,028
Total passengers carried	60,052	18,115	78,167
Passenger miles—Unit toll transportation:			
Revenue	114,113,643	36,970,413	151,084,056
Non-revenue	7,386,955	4,283,934	11,670,889
Total passenger miles	121,500,598	41,254,347	162,754,945
Goods carried (lbs.):			
Revenue:			
Scheduled:			
Originated	1,753,720	120,677	1,874,397
Domestic interline	—	17,908	17,908
Foreign interline	—	6,548	6,548
Division interline	19,449	11	19,460
Non-scheduled	—	—	—
Total unit toll transportation	1,773,169	145,144	1,918,313
Bulk transportation	—	—	—
Total revenue	1,773,169	145,144	1,918,313
Non-revenue	337,826	116,274	454,100
Total goods carried	2,110,995	261,418	2,372,413
Goods ton miles—Unit toll transportation:			
Revenue	2,207,050	380,028	2,587,078
Non-revenue	406,768	305,496	712,264
Total goods ton miles	2,613,818	685,524	3,299,342
Mail carried (lbs.)—Unit toll transportation	478,032	86,242	564,274
Mail ton miles—Unit toll transportation	737,461	204,851	942,312
Available seat miles—Scheduled	162,275,637	83,716,110	245,991,747
Available ton miles—Scheduled	23,342,936	12,583,639	35,926,575

REVENUES AND EXPENSES
TABLE 13. Canadian Scheduled Carriers, 1933

	Canadian Pacific Air Lines ¹	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines ²	Total
	\$	\$	\$	\$	\$	\$	\$
Operating revenues:							
Unit toll transportation:							
Passengers	8,947,756	191,999	377,453	721,768	506,058	48,242,942	58,987,976
Mail	1,702,597	76,448	190,701	31,688	37,393	7,786,119	9,824,946
Goods	1,129,816	134,857	28,721	33,010	60,452	3,673,440	5,060,296
Excess baggage	135,305	5,459	5,442	10,238	13,165	438,015	607,624
Total unit toll transportation	11,915,474	408,763	602,317	796,704	617,068	60,140,516	74,480,842
Bulk transportation	3,649,895	323,667	2,803,928	149,394	385,995	155,033	7,467,912
Other flying services	—	—	66,132	—	—	564	66,696
Total flying services	15,565,369	732,430	3,472,377	946,098	1,003,063	60,296,113	82,015,450
Non-flying services	160,191	27,945	19,932	25,979	8,027	1,940,451	2,182,525
Total operating revenues	15,725,560	760,375	3,492,309	972,077	1,011,090	62,236,564	84,197,975
Operating expenses:							
Aircraft operation and maintenance	10,361,896	550,984	2,359,985	629,824	623,038	31,323,619	45,849,346
Ground operation and maintenance	3,278,194	135,157	296,855	173,378	241,800	18,094,412	22,219,796
Traffic	1,235,445	10,442	70,317	146,898	61,187	8,683,604	10,207,893
General administration	1,148,720	56,098	162,186	129,532	102,078	3,033,219	4,631,833
General taxes	59,505	3,650	5,840	3,459	12,577	298,845	383,876
Total operating expenses	16,083,760	756,331	2,895,183	1,083,091	1,040,680	61,433,699	83,292,744
Operating income (or loss)	Dr. 358,200	4,044	597,126	Dr. 111,014	Dr. 29,590	802,865	905,231
Add non-operating income	204,376	5,774	—	130,557	—	485,037	825,744
Gross income	Dr. 153,824	9,818	597,126	19,543	Dr. 29,590	1,287,902	1,730,975
Deduct interest and other income charges	5,559	346	4,921	13,500	—	731,672	755,998
Net income before income taxes	Dr. 159,383	9,472	592,205	6,043	Dr. 29,590	556,230	974,977
Deduct provision for income taxes	Cr. 525,000	739	347,505	—	—	300,000	123,244
Net income (or deficit) after income taxes	365,617	8,733	244,700	6,043	Dr. 29,590	256,230	851,733
Operating ratio	102.3	99.5	82.9	111.4	102.9	98.7	98.9

1. C. P. A. consolidated financial statement, includes: Domestic and Pacific services.

2. T. C. A. consolidated financial statement, includes: Domestic, trans-border and Atlantic services.

REVENUES AND EXPENSES—CANADIAN CARRIERS
TABLE 16. Non-scheduled Carriers—Domestic Services, 1953

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
	\$	\$	\$	\$
Operating revenues:				
Unit toll transportation:				
Passengers	464,981	91,493	21,562	578,036
Mail	249,371	11,933	2,856	264,160
Goods	284,758	17,198	739	302,695
Excess baggage	13,819	1,166	—	14,985
Total unit toll transportation	1,012,929	121,790	25,157	1,159,876
Bulk transportation	10,247,151	1,496,078	452,961	12,196,190
Other flying services	4,118,900	1,126,590	404,534	5,650,024
Total flying services	15,378,980	2,744,458	882,652	19,006,090
Non-flying services	725,008	253,480	72,947	1,051,435
Total operating revenues	16,103,988	2,997,938	955,599	20,057,525
Operating expenses:				
Aircraft operation and maintenance	12,085,269	2,110,541	573,105	14,768,915
Ground operation and maintenance	2,410,493	430,014	126,525	2,967,032
Traffic	286,559	34,761	10,428	331,748
General administration	1,033,173	400,446	127,231	1,560,850
General taxes	32,109	2,062	4,440	38,611
Total operating expenses	15,847,603	2,977,824	841,729	19,667,156
Operating income (or loss)	256,385	20,114	113,870	390,369
Add non-operating income	109,816	25,920	4,473	140,209
Gross income	366,201	46,034	118,343	530,578
Deduct interest and other income charges	114,444	36,323	3,810	154,577
Net income before income taxes	251,757	9,711	114,533	376,001
Deduct provision for income taxes	63,257	17,686	26,350	107,293
Net income (or deficit) after income taxes	188,500	Dr. 7,975	88,183	268,708
Operating ratio	98.4	99.3	88.1	98.1

TABLE 17. Employees, Salaries and Wages

Canadian carriers	Employees	Salaries and wages	Companies	Employees	Salaries and wages
		\$			\$
General officers	676	4,247,529	Canadian Pacific Airlines ¹	1,404	5,857,227
Clerks and stenographers	1,341	3,532,374	Central Northern Airways	68	264,389
Pilots	722	5,599,224	Maritime Central Airways	205	927,959
Co-pilots	482	2,461,549	Queen Charlotte Airlines	149	533,558
Despatchers	137	609,472	Quebecair Inc.	95	356,936
Communication operators	808	2,336,236	Trans-Canada Air Lines ¹	7,199	28,303,764
Stewards or other attendants	462	1,508,866	Total Scheduled	9,120	36,243,833
Air engineers	612	2,727,359	Class "B" Carriers	1,191	4,791,788
Mechanics	2,345	8,998,904	Class "C" Carriers	292	955,817
Airport employees	1,471	4,723,257	Class "D" Carriers	100	197,026
Stores employees	280	875,402	Total Canadian	10,703	42,188,464
Other employees	1,367	4,568,292	Foreign carriers:		
Total	10,703	42,188,464	Trans Border Services	183	681,405
			Atlantic and Pacific Services	219	826,139
			Total carriers	11,105	43,696,008

1. Includes Overseas Services.

TABLE 18. Accidents involving Canadian Air Carriers, 1949-1953¹

	1949	1950	1951	1952	1953		1949	1950	1951	1952	1953
Casualties:						Number of accidents.....	142	148	137	169	174
Pilot:						Type of flying:					
Fatal.....	23	26	23	28	25	Instructional.....	4	6	1	2	1
Serious.....	6	5	9	13	6	Practice.....	12	7	3	4	3
Minor.....	9	8	17	18	—	Private.....	51	70	67	87	86
Crew:						Scheduled.....	3	1	4	2	7
Fatal.....	4	6	9	3	6	Non-Scheduled.....	56	47	59	67	71
Serious.....	1	—	1	1	2	State.....	3	6	—	—	1
Minor.....	2	1	—	1	—	Other (Including Ferry Test, etc.)	13	11	3	7	5
Passengers:						Probable cause (per cent):					
Fatal.....	55	66	77	26	43	Personnel.....	60.7	65.9	56.2	51.5	50.0
Serious.....	6	8	7	13	11	Material failure.....	8.2	8.8	16.1	14.8	20.7
Minor.....	17	2	22	24	10	Weather.....	9.9	4.7	6.5	8.9	5.2
Other:						Aerodrome terrain or water.....	10.7	13.3	5.9	11.2	12.6
Fatal.....	—	1	—	—	—	Miscellaneous.....	0.0	0.8	2.9	4.1	4.0
Serious.....	1	—	1	1	2	Undetermined.....	10.5	6.5	12.4	9.5	7.5
Minor.....	—	—	—	—	1						
Operational phase:											
Starting.....	—	1	4	3	7						
Taxiing.....	19	9	7	11	6						
Take-off.....	36	29	27	38	37						
Flight.....	35	39	39	39	42						
Landing.....	52	68	58	74	81						
Other.....	—	1	2	4	1						

1. As reported by Civil Aviation Division, Department of Transport.

TABLE 19. Number of Personnel and Airport Licences Issued and Number of Aircraft Registered as of December 31, 1953¹

Personnel	In force December 31, 1953	In force December 31, 1952	Aircraft registered	Total December 31, 1953	Total December 31, 1952
Pilots:			Commercial.....	1,363	1,292
Glider.....	136	101	Private.....	1,151	986
Private.....	4,508	4,516	State.....	140	133
Commercial (Old type).....	—	30	Grand total.....	2,654	2,411
Commercial.....	1,532	1,092			
Senior Commercial.....	337	193	Airports		
Transport.....	—	409		In force December 31, 1953	In force December 31, 1952
Airline transport.....	589	305			
Air navigators.....	53	45			
Air traffic controllers.....	199	177			
Air engineers.....	—	251			
Aircraft maintenance engineers.....	1,429	1,147		433	415

1. As reported by Civil Aviation Division, Department of Transport.

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