

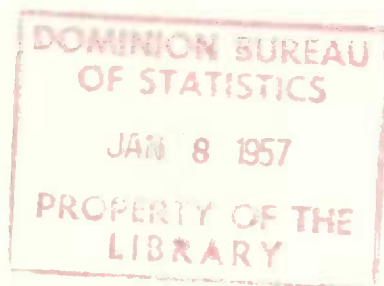
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CANADA

# CIVIL AVIATION 1955



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## TABLE OF CONTENTS

	Page
Introduction .....	5
 Charts:	
A. Revenue Miles Flown by Canadian Carriers.....	6
B. Revenue Passengers Carried by Canadian Carriers .....	6
C. Operating Revenues of Canadian Carriers .....	7
D. Revenue Goods and Mail Carried by Canadian Carriers .....	7
 Tables:	
1. Statistical Summary of Civil Aviation in Canada, 1950-1955.....	8
2. General Balance Sheet of Canadian Scheduled Air Carriers, 1955 .....	8
3. General Balance Sheet of Canadian Non-scheduled Air Carriers, 1955 .....	9
4. Property Account of Selected Canadian Air Carriers as at End of 1955.....	10
5. Statement of Earned Surplus of Selected Canadian Air Carriers, 1955.....	10
6. Operating Statistics of Canadian and Foreign Air Carriers, 1955.....	11
7. Transportation Statistics of Canadian and Foreign Air Carriers, 1955.....	11
8. Revenues and Expenses of Canadian Air Carriers, 1955 .....	12
9. Operating Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1955.....	12
10. Operating Statistics of Domestic Services of Non-scheduled Canadian Air Carriers, 1955 .....	12
11. Operating Statistics of Atlantic and Pacific Services of Scheduled Canadian Air Carriers, 1955.....	13
12. Transportation Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1955 .....	13
13. Transportation Statistics of Domestic Services of Canadian Non-scheduled Air Carriers, 1955.....	14
14. Transportation Statistics of Atlantic and Pacific Services of Canadian Scheduled Air Carriers, 1955.....	15
15. Revenues and Expenses of Canadian Scheduled Air Carriers, 1955.....	15
16. Revenues and Expenses of Domestic Services of Canadian Non-scheduled Air Carriers, 1955 .....	16
17. Employees, Salaries and Wages of Canadian and Foreign Air Carriers, 1955....	17
18. Accidents Involving Canadian Air Carriers, 1951-1955.....	17
19. Personnel and Airport Licenses Issued and Aircraft Registered as of December 31, 1955 .....	17



## CIVIL AVIATION 1955

Canadian air carriers completed a very successful year in 1955, reporting an operating income of \$6,084,204, more than three times the income of \$1,876,920 reported in 1954. The six scheduled airlines accounted for 48.1 per cent of this increase. Net income after taxes amounted to \$4,132,752 compared with \$849,647 in the previous year.

With all revenue accounts showing significant increases, the total operating revenue for the year under review reached a new high of \$152,739,018 compared with \$108,864,289 one year ago, an increase of \$43,874,729 or 40.3 per cent. Revenue received from the transportation of passengers advanced to \$77,598,119 from \$66,748,505, a gain of \$10,849,614 or 16.3 per cent and continued to be the principal source of income. Mail receipts rose to \$10,904,729 from \$10,873,163, freight earnings jumped to \$7,951,670 from \$5,979,693, and excess baggage accounted for revenue of \$863,494 as against \$726,037 last year. Total unit toll transportation revenues thus advanced to \$97,318,012 from \$84,327,398, an increase of \$12,990,614 or 15.4 per cent. Bulk transportation services earned \$44,543,258, nearly three times the \$15,149,492 earned in 1954. Other flying services produced \$6,722,032 as against \$5,984,893 while non-flying services totalled \$4,155,716 compared with \$3,402,506 in the previous year.

Operating expenses for the year were considerably higher in 1955 than in the previous year, due to a large extent to the continuing growth of air service in Canada. Aircraft operation and maintenance expenses rose to \$90,504,604 from \$59,984,323; ground operations and maintenance required \$32,909,216 against \$27,840,216; traffic charges were up to \$13,898,252 from \$11,806,206 and general administration costs rose to \$8,723,804 from \$6,824,333. General taxes at \$618,938 from \$532,291 raised total operating expenses to \$146,654,814 from \$106,987,369, an increase of \$39,667,445 or 37.1 per cent.

The increased volume of traffic carried during the year 1955, both passenger and freight, is a good indication of the continued growth of civil aviation in Canada with all types of traffic, except non-revenue passengers, reaching new record breaking levels. Total passengers transported in unit toll transportation services numbered 2,311,115 as against 1,986,099 a year ago, a gain of 325,016 or 16.4 per cent, while the number of revenue passenger miles increased by 14.9 per cent, to 1,175,343,729 from 1,023,134,596. An additional 406,222 persons were flown in bulk transportation services and 45,407 non-revenue passengers were carried, bringing the total number of passengers transported by Canadian carriers to 2,762,744 as compared with 2,381,775 in 1954.

Canadian air carriers handled a total of 225,294,647 lbs. of revenue goods in 1955, more than twice the total of 103,174,610 lbs. transported

in 1954. This large increase was due mainly to the tremendous jump in the amount of goods carried in bulk transportation services, which amounted to 175,788,626 lbs. compared with 63,140,902 lbs. one year ago, while an additional 49,506,021 lbs. were flown in unit toll services as against 40,003,708 lbs. in 1954. The increase in the amount of goods handled in bulk transportation services was largely a result of the volume of goods transported by air for defence projects in the Canadian northland.

Again this year a new record high was established for the volume of air mail carried by Canadian carriers which climbed to 24,267,437 lbs., exceeding last year's record of 22,161,523 lbs. by 2,105,914 lbs. or 9.5 per cent. Mail ton miles rose to 8,937,435 from 8,138,079, an increase of 9.8 per cent.

Transportation statistics for all services include foreign carriers in both trans-border service and Atlantic and Pacific services. During the year under review these carriers transported 540,431 passengers, 8,838,655 lbs. of goods and 2,349,068 lbs. of mail. The mileage shown for these foreign carriers represents miles flown over Canadian territory only.

During the year, Canadian carriers flew a total of 48,593,351 miles in revenue unit toll transportation, requiring a flying time of 261,424 miles and 238,121 hours. Bulk transportation services accounted for an additional 32,266,480 miles and 254,880 hours, up considerably from the 16,755,073 miles and 147,501 hours flown in this class of service one year ago.

A total of \$55,520,899 was earned in salaries and wages by 13,271 employees engaged in the industry in 1955 compared with total earnings of \$47,171,414 and 11,690 employees in 1954. Thus the average salary rose to \$4,184 from \$4,035, a gain of 3.7 per cent. All classes of personnel increased in number and in salary.

An average fleet of 768 planes was used by Canadian commercial air carriers during the year, an increase of 20 from the 1954 fleet of 748. The operation of this fleet of aircraft required a total of 65,422,771 gallons of gasoline and 902,445 gallons of oil, the cost of which amounted to \$22,004,244 and \$896,667, respectively. During 1954 a total of 46,411,787 gallons of gasoline and 632,122 gallons of oil were consumed at a cost of \$15,611,647 for gasoline and \$633,453 for oil.

A total of 63 lives were lost in 1955 as a result of 264 accidents involving Canadian carriers, according to a report issued by the Civil Aviation Division, Department of Transport. In 1954 there were 201 accidents and 70 fatalities. During the year under review 24 passengers and 34 pilots lost their lives, compared with 47 passengers and 18 pilots in the previous year.



CHART A

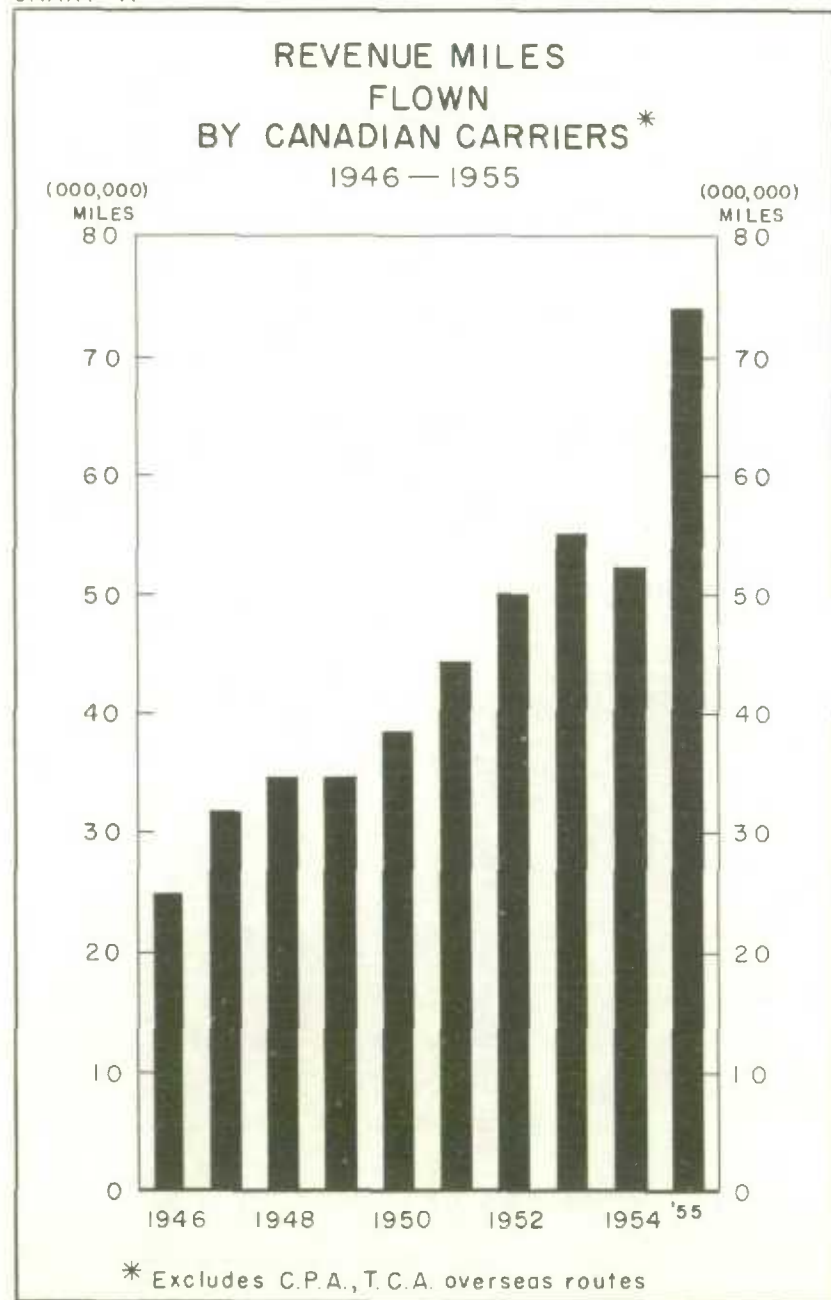


CHART B

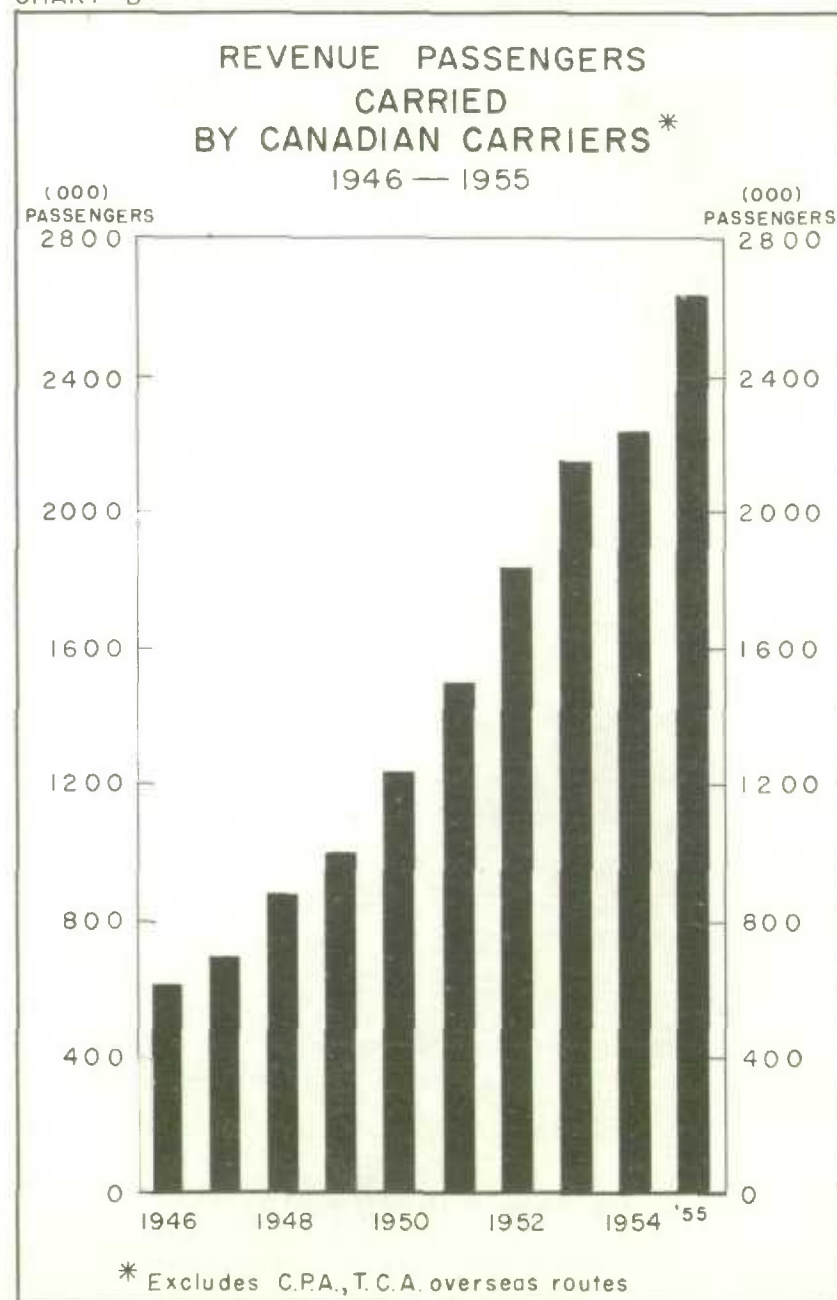
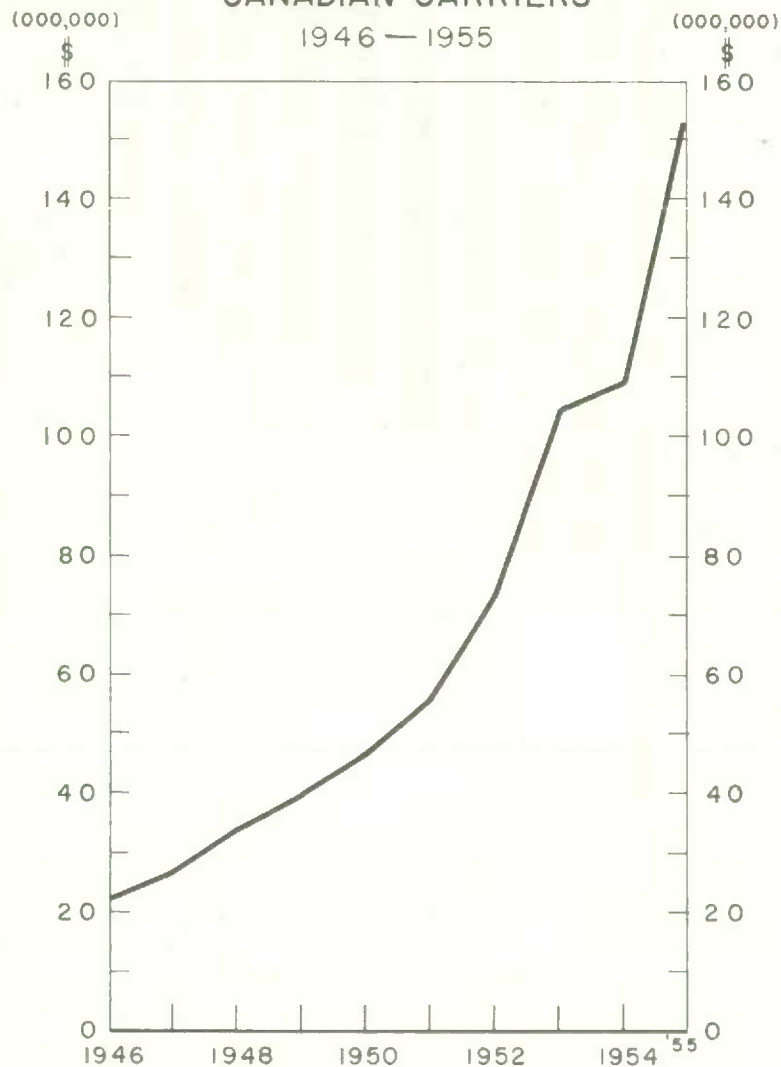


CHART C

# OPERATING REVENUES OF CANADIAN CARRIERS\*

1946 — 1955

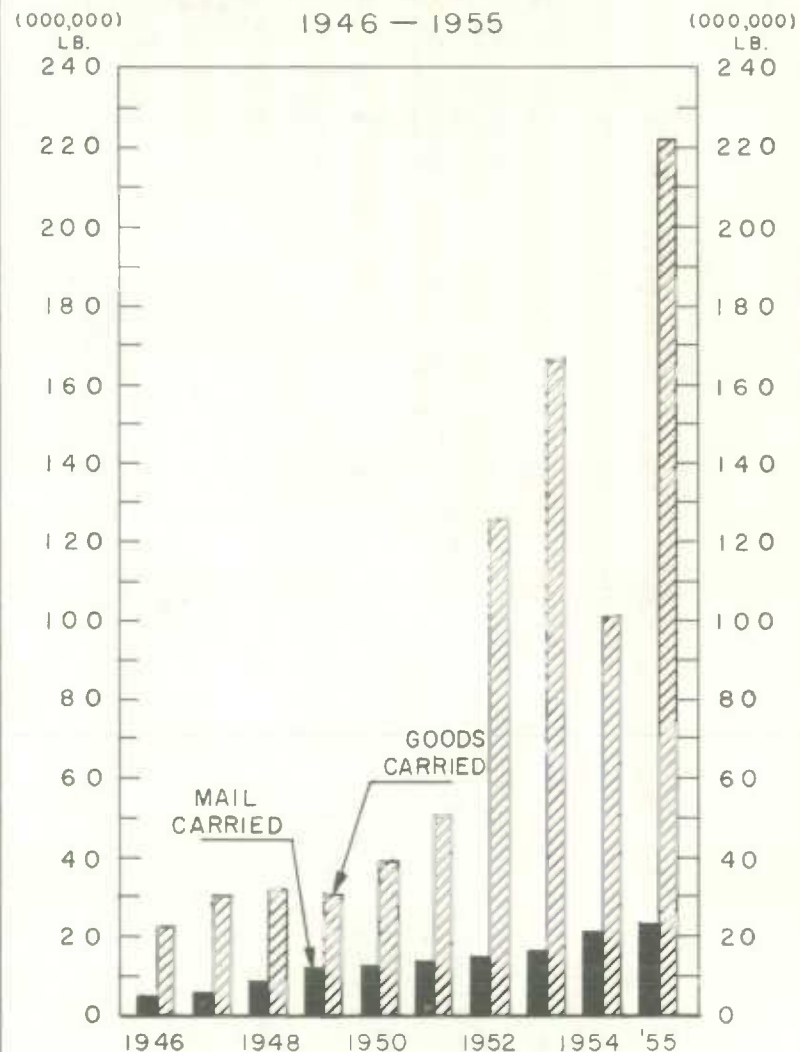


\* Includes C.P.A., T.C.A. overseas routes

CHART D

# REVENUE GOODS AND MAIL CARRIED BY CANADIAN CARRIERS\*

1946 — 1955



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

## DOMINION BUREAU OF STATISTICS

TABLE 1. Statistical Summary of Civil Aviation in Canada, 1950-1955<sup>1</sup>

	1955	1954	1953	1952	1951	1950
Miles Flown—revenue .....	83,805,304	61,582,481	64,076,912	58,775,340	52,578,934	44,470,174
Hours flown:						
Revenue .....	605,913	472,817	498,891	469,677	507,745	267,282
Non-revenue .....	31,306	21,516	26,044	22,045	74,962	62,232
<b>Total .....</b>	<b>637,219</b>	<b>494,333</b>	<b>524,935</b>	<b>491,722</b>	<b>582,707</b>	<b>329,514</b>
Passengers carried:						
Revenue .....	3,249,099	2,792,348	2,724,432	2,298,194	1,889,950	1,500,361
Non-revenue .....	54,076	73,199	71,405	62,653	58,030	52,985
<b>Total .....</b>	<b>3,303,175</b>	<b>2,865,547</b>	<b>2,795,837</b>	<b>2,360,847</b>	<b>1,947,980</b>	<b>1,553,346</b>
Passenger miles:						
Revenue (Unit toll transportation only) .....	1,223,825,448	1,066,805,242	942,269,095	805,642,141	679,819,451 <sup>2</sup>	550,534,058
Non-revenue " " " " .....	57,477,989	49,134,404	45,784,828	33,945,124	31,420,440	33,286,119
<b>Total " " " " .....</b>	<b>1,281,303,437</b>	<b>1,115,939,646</b>	<b>988,053,923</b>	<b>839,587,265</b>	<b>711,239,891</b>	<b>583,820,177</b>
Goods carried (lbs.):						
Revenue .....	233,561,830	109,299,356	177,451,345	135,055,106	59,199,354	44,586,726
Non-revenue .....	7,121,832	5,714,121	5,268,374	5,679,436	4,587,063	3,899,517
<b>Total .....</b>	<b>240,683,662</b>	<b>115,013,477</b>	<b>182,719,719</b>	<b>140,734,542</b>	<b>63,786,417</b>	<b>48,486,243</b>
Goods ton miles:						
Revenue (Unit toll transportation only) .....	18,084,169	14,057,279	11,738,487	10,134,861	8,562,261	6,867,410
Non-revenue " " " " .....	3,477,194	3,379,895	2,796,334	2,519,711	2,440,113	2,180,200
<b>Total " " " " .....</b>	<b>21,561,363</b>	<b>17,437,174</b>	<b>14,534,821</b>	<b>12,654,572</b>	<b>11,002,374</b>	<b>9,047,610</b>
Mail carried (lbs.)—Unit toll transportation .....	26,616,505	24,228,571	20,319,952	18,328,310	16,824,652	14,501,110
Mail ton miles—Unit toll transportation .....	9,048,610	8,239,855	6,419,077	5,725,178	5,306,076	4,732,670
Fuel consumed:						
Gasoline .....	77,938,918 gals.	53,164,769	51,817,843	45,542,485	36,722,262	27,335,505
Cost .....	25,070,432 \$	17,314,786	16,573,708	12,498,175	9,708,577	8,332,496
Oil .....	1,006,154 gals.	695,642	649,664	547,501	412,272	338,771
Cost .....	960,154 \$	671,069	614,724	490,258	324,134	302,923
Average number of employees .....	13,783	12,126	11,105	9,746	8,107	7,239
Salaries and wages .....	57,665,410 \$	48,907,525	43,696,008	36,625,014	27,399,363	22,111,551
Operating revenues:						
Unit toll transportation .....	97,318,012	84,327,398	75,640,718	66,882,820	59,480,858	49,257,054
Bulk transportation .....	44,543,258	15,149,492	19,664,102	16,952,037	10,202,691	5,231,266
Other revenue services .....	10,877,748	9,387,399	8,950,680	6,684,438	3,367,983	2,920,098
<b>Total .....</b>	<b>152,739,018</b>	<b>108,864,289</b>	<b>104,255,500</b>	<b>90,519,295</b>	<b>73,051,532</b>	<b>57,408,418</b>
Operating expenses:						
Aircraft operation and maintenance .....	90,504,604	59,984,323	60,618,261	51,099,026	38,282,623	33,915,060
Ground operation and maintenance .....	32,909,216	27,840,216	25,186,828	21,002,448	16,407,372	14,236,754
Traffic, general administration and taxes .....	23,240,994	19,162,830	17,154,811	14,653,873	11,370,951	9,408,249
<b>Total .....</b>	<b>146,654,814</b>	<b>106,987,369</b>	<b>102,959,900</b>	<b>86,755,347</b>	<b>66,060,946</b>	<b>57,560,063</b>
Operating income (or loss) .....	6,084,204	1,876,920	1,295,600	3,763,948	6,990,586	Dr. 151,645

1. 1950-1951 revised to include C.P.A. and T.C.A. Overseas Services, subsequently included.  
2. Revised.

TABLE 2. General Balance Sheet of Canadian Scheduled Air Carriers, 1955

	Canadian Pacific Air Lines <sup>1</sup>	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans-Canada Air Lines <sup>1</sup>	Total scheduled carriers
<b>Assets:</b>							
Current assets .....	8,930,277	577,329	3,107,086	291,069	517,301	15,046,652	28,469,714
Investments .....	158,988	5,145	84,635	34,730	—	32,189	315,687
Deferred debits .....	85,266	—	15,456	107,600	126,208	—	334,530
Special funds .....	—	—	—	—	—	6,000,000	6,000,000
Fixed assets (less depreciation) .....	12,172,860	808,439	2,165,487	1,448,770	2,304,528	40,713,374	59,613,458
<b>Total .....</b>	<b>21,347,391</b>	<b>1,390,913</b>	<b>5,372,664</b>	<b>1,882,169</b>	<b>2,948,037</b>	<b>61,792,215</b>	<b>94,733,389</b>
<b>Liabilities:</b>							
Current liabilities .....	3,525,355	478,208	3,856,133	376,256	1,120,192	9,936,288	19,292,432
Long term debt .....	5,750,000	520,000	27,898	351,381	1,162,548	33,500,000	41,311,827
Deferred credits .....	533,923	—	110,468	—	—	2,176,862	2,821,253
Reserves .....	507,306	—	74,813	—	220,045	6,468,266	7,270,430
Capital stock .....	10,000,000	345,750	15,000	105,701	142,058	5,000,000	15,608,509
Surplus .....	1,030,807	46,955	1,288,352	1,048,831	303,194	4,710,799	8,428,938
<b>Total .....</b>	<b>21,347,391</b>	<b>1,390,913</b>	<b>5,372,664</b>	<b>1,882,169</b>	<b>2,948,037</b>	<b>61,792,215</b>	<b>94,733,389</b>

1. Includes overseas services.



TABLE 3. General Balance Sheet of Canadian Non-scheduled Air Carriers, 1955

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total non-scheduled
	\$	\$	\$	\$
<b>Assets:</b>				
Current assets .....	10,120,545	671,677	675,796	11,468,018
Fixed assets (less depreciation) .....	10,105,261	947,807	946,690	11,999,758
Other assets .....	4,151,880	169,251	168,186	4,489,317
<b>Total .....</b>	<b>24,377,686</b>	<b>1,788,735</b>	<b>1,790,672</b>	<b>27,957,093</b>
<b>Liabilities:</b>				
Current liabilities .....	10,180,898	809,538	809,451	11,799,887
Other liabilities .....	6,508,662	439,986	271,933	7,220,581
Incorporated companies:				
Capital stock .....	3,598,236	791,975	467,636	4,857,847
Surplus .....	2,717,524	Dr. 382,039	Dr. 32,220	2,303,265
Non-incorporated businesses — net worth .....	1,374,366	129,275	253,872	1,757,513
<b>Total .....</b>	<b>24,377,686</b>	<b>1,788,735</b>	<b>1,790,672</b>	<b>27,957,093</b>

TABLE 4. Property Account of Selected Canadian Air Carriers as at End of 1955

	Canadian Pacific Air Lines <sup>1</sup>	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines <sup>1</sup>	Total scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
<b>Property and equipment:</b>									
Aircraft .....	8,159,097	566,759	1,241,810	933,216	1,590,334	20,175,896	30,667,114	5,600,300	36,267,414
Aircraft engines .....	2,308,510	156,829	455,486	105,919	167,374	5,952,136	9,146,254	1,252,040	10,398,294
Motor vehicles and floating equipment ..	24,236	3,603	21,994	33,189	21,086	819,472	923,580	254,918	1,178,498
Aircraft communication equipment .....	2	18,760	28,957	15,445	9,255	535,355	607,772	—	607,772
Communication equipment (ground) .....	2,126	2,687	9,981	11,597	9,712	71,269	107,372	—	107,372
Miscellaneous flying equipment .....	356,553	996	—	—	2,727	—	360,276	324,938	685,214
Shop and hangar equipment .....	254,652	7,541	46,303	40,532	38,337	1,598,417	1,985,782	206,272	2,192,054
Fuel storage and distribution equipment ..	—	—	86	—	—	—	86	—	86
Furniture, fixtures and office equipment ..	43,906	4,380	20,952	42,483	15,764	1,174,095	1,301,150	114,125	1,415,705
Airport lighting equipment .....	—	—	—	—	—	—	—	—	—
Miscellaneous ground equipment .....	10,637	—	2,971	18,507	6,178	431,668	469,961	192,466	662,427
Buildings .....	288,908	40,985	334,307	37,227	419,512	5,948,701	7,069,640	1,194,005	8,263,645
Appraisal increase .....	—	—	—	210,655	—	—	210,655	891,185	901,840
<b>Total net value .....</b>	<b>9,448,625</b>	<b>802,540</b>	<b>2,162,847</b>	<b>1,448,770</b>	<b>2,280,279</b>	<b>36,707,011</b>	<b>52,850,072</b>	<b>9,830,249</b>	<b>62,680,321</b>
<b>Additions, retirements, depreciation:</b>									
Cost value of assets:									
At beginning of year .....	16,260,737	664,579	1,586,436	641,717	818,405	54,406,170	74,378,044	11,839,488	86,217,532
Additions during year .....	1,927,162	957,529	3,279,340	1,076,722	2,550,049	15,748,135	25,538,937	8,933,723	34,472,660
Retirements during year .....	1,588,477	9,068	523,515	177,642	232,976	1,933,330	4,465,008	3,207,350	7,872,358
At end of year .....	16,599,422	1,613,040	4,342,261	1,540,797	3,135,478	68,220,975	95,451,973	17,565,861	113,017,834
Accrued depreciation:									
At beginning of year .....	6,287,440	363,052	1,125,710	110,080	497,732	28,066,083	36,450,097	6,496,967	42,947,084
Decreases .....	805,958	50,322	149,517	110,080	48,923	1,082,345	2,247,145	1,511,053	3,758,198
Provision for depreciation — current year .....	1,669,315	497,770	1,203,221	92,027	406,390	4,530,226	8,398,949	2,749,698	11,148,647
At end of year .....	7,150,797	810,500	2,179,414	92,027	855,199	31,513,964	42,601,901	7,735,612	50,337,513
<b>Total net value .....</b>	<b>9,448,625</b>	<b>802,540</b>	<b>2,162,847</b>	<b>1,448,770</b>	<b>2,280,279</b>	<b>36,707,011</b>	<b>52,850,072</b>	<b>9,830,249</b>	<b>62,680,321</b>

1. Includes overseas services.

2. C.P.A. aircraft communication equipment data included in aircraft account.

TABLE 5. Statement of Earned Surplus of Selected Canadian Air Carriers, 1955

	Canadian Pacific Air Lines <sup>1</sup>	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines <sup>1</sup>	Total scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Credit balance at beginning of year.....	756,087	42,611	471,990	26,693	34,180	3,819,119	5,150,680	546,281	5,696,961
Additions:									
Net income for the year.....	274,720	58,109	674,272	487,125	557,640	190,095	2,241,961	1,737,842	3,979,803
Miscellaneous credits.....	—	—	141,990	167,911	1,146	701,585	1,012,632	538,090	1,550,722
<b>Total additions</b> .....	<b>274,720</b>	<b>58,109</b>	<b>816,262</b>	<b>655,036</b>	<b>558,786</b>	<b>891,680</b>	<b>3,254,593</b>	<b>2,275,932</b>	<b>5,530,525</b>
Deductions:									
Deficit for the year.....	—	—	—	—	—	—	—	33,672	33,672
Miscellaneous debits.....	—	35,265	117,500	276,833	278,473	—	708,071	198,771	906,842
Dividends.....	—	28,500	90,000	—	11,299	—	129,799	103,710	233,509
Deductions from net worth.....	—	—	—	—	—	—	—	—	—
<b>Total deductions</b> .....	<b>—</b>	<b>63,765</b>	<b>207,500</b>	<b>276,833</b>	<b>289,772</b>	<b>—</b>	<b>837,870</b>	<b>336,153</b>	<b>1,174,023</b>
Credit balance at end of year.....	1,030,807	36,955	1,080,752	404,896	303,194	4,710,799	7,567,403	2,486,060	10,053,463

1. Includes overseas services.

TABLE 6. Operating Statistics of Canadian and Foreign Air Carriers, 1955

	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.....	34,042,757	2,341,430	5,541,695	6,667,469	48,593,351	2,002,571	878,653	51,474,575
Bulk transportation .....	8,339,721	23,541,826	4,734	380,199	32,266,480	3,285	60,964	32,330,729
Total revenue miles flown	42,382,478	25,883,256	5,546,429	7,047,668	80,859,831	2,005,856	939,617	83,805,304
Hours flown:								
Revenue:								
Unit toll transportation.....	189,113	19,468	27,119	25,724	261,424	10,798	3,567	275,789
Bulk transportation .....	53,251	200,125	26	1,478	254,880	16	239	255,135
Other flying services .....	502	74,487	—	—	74,989	—	—	74,989
Total revenue.....	242,866	294,080	27,145	27,202	591,293	10,814	3,806	605,913
Non-revenue .....	13,917	15,954	393	984	31,248	37	21	31,306
Total hours flown .....	256,783	310,034	27,538	28,186	622,541	10,851	3,827	637,219
Fuel consumed:								
Gasoline ..... gals.	44,370,171	10,725,816	2	10,326,784	65,422,771	5,659,473 <sup>3</sup>	6,856,674 <sup>3</sup>	77,938,918
Cost..... \$	13,993,798	4,842,834	2	3,167,612	22,004,244	1,720,889	1,345,299	25,070,432
Oil ..... gals.	561,428	184,641	2	156,376	902,445	46,365 <sup>3</sup>	57,344 <sup>3</sup>	1,006,154
Cost..... \$	530,509	230,159	2	135,999	896,667	36,537	26,950	960,154
Average number of employees .....	10,086	2,154	2	1,031	13,271	244	268	13,783
Salaries and wages ..... \$	42,192,933	8,806,057	2	4,521,909	55,520,899	1,052,504	1,092,007	57,665,410
Average number of aircraft:								
Owned .....	174	515	2	10	699	Not applicable	Not applicable	699
Leased .....	6	63	2	—	69			69
Total .....	180	578	2	10	768			768
Ratio of miles flown to miles scheduled <sup>1</sup> .....	96.3	Not applicable	95.2	97.0	96.2	98.1	97.4	96.3
Revenue passenger load factor — scheduled .....	66.2		75.3	57.4	65.5	32.0	38.2	63.1

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 of Canadian and Foreign Air Carriers, 1955

	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 .....	1,736,949	60,293	429,682	84,191	2,311,115	486,080	41,072	2,838,287
Bulk transportation .....	58,025	344,222	670	3,305	408,222	604	4,006	410,832
Total revenue .....	1,794,974	404,515	430,352 <sup>1</sup>	87,496	2,717,337	488,684	45,078	3,249,099
Non-revenue .....	27,771	10,585	3,617	3,234	45,407	6,916	1,753	54,076
Total passengers carried .....	1,822,745	415,100	434,169	90,730	2,762,744	493,600	46,831	3,303,175
Passenger miles — Unit toll transportation:								
Revenue .....	785,468,412	9,328,647	144,263,496	236,283,174	1,175,343,729	28,634,087	19,847,632	1,223,825,448
Non-revenue .....	40,658,948	59,587	2,822,835	12,262,007	55,803,177	992,895	881,917	57,477,989
Total passenger miles .....	826,127,360	9,388,234	147,086,131	248,545,181	1,231,146,906	29,626,982	20,529,549	1,281,303,437
Goods carried (lbs.):								
Revenue:								
Unit toll transportation .....	32,753,631	2,849,182	11,314,702	2,588,418	49,506,021	6,957,904	1,307,421	57,771,348
Bulk transportation .....	60,983,179	114,803,548	1,899	—	175,788,626	135	1,723	175,790,484
Total revenue .....	93,736,810	117,652,730	11,316,691 <sup>2</sup>	2,588,418	225,294,647	6,958,039	1,309,144	233,561,830
Non-revenue .....	5,649,704	364,080	121,441	415,135	6,550,360	359,081	212,391	7,121,832
Total goods carried .....	99,386,514	118,016,810	11,438,132	3,003,551	231,845,007	7,317,120	1,521,535	240,683,662
Goods ton miles — Unit toll transportation:								
Revenue .....	10,461,093	610,451	2,014,681	4,409,813	17,496,038	310,279	277,852	18,084,189
Non-revenue .....	2,432,446	2,750	20,902	880,668	3,336,764	94,739	45,691	3,477,194
Total goods ton miles .....	12,893,539	613,201	2,035,583	5,290,479	20,833,802	405,018	323,543	21,581,363
Mail carried (lbs.) — Unit toll transportation .....	21,641,124	1,027,636	746,199	852,478	24,267,437	1,774,463	574,605	26,616,505
Mail ton miles—Unit toll transportation	7,210,005	83,246	141,179	1,503,005	8,937,435	50,817	80,358	9,048,610

1. Includes 36,705 division interline passengers.

2. Includes 377,676 lbs. division interline goods.

TABLE 8. Revenues and Expenses of Canadian Air Carriers, 1955<sup>1</sup>

	Canadian carriers		
	Scheduled <sup>2</sup>	Non-scheduled	Total
	\$	\$	\$
Operating revenues:			
Unit toll transportation:			
Passengers .....	76,458,489	1,139,830	77,598,119
Mail .....	10,588,778	315,951	10,904,729
Goods .....	7,608,531	343,139	7,951,670
Excess baggage .....	846,281	17,213	863,494
Total unit toll transportation .....	95,502,079	1,815,933	97,318,012
Bulk transportation .....	16,914,342	27,628,916	44,543,258
Other flying services .....	50,500	6,871,532	6,722,032
Total flying services .....	112,466,921	36,116,381	148,583,302
Non-flying services .....	2,174,829	1,980,887	4,155,716
Total operating revenues .....	114,641,750	38,097,268	152,739,018
Operating expenses:			
Aircraft operation and maintenance .....	61,834,780	28,869,624	90,504,804
Ground operation and maintenance .....	29,228,710	3,860,506	32,909,218
Traffic .....	13,194,618	703,634	13,898,252
General administration .....	6,140,608	2,583,196	8,723,804
General taxes .....	564,348	54,592	618,938
Total operating expenses .....	110,963,062	35,691,752	146,654,814
Operating income (or loss) .....	3,678,688	2,405,518	6,084,204
Add non-operating income .....	859,379	415,035	1,274,414
Gross income .....	4,538,067	2,820,551	7,358,618
Deduct interest and other income charges .....	1,293,692	242,067	1,535,759
Net income before income taxes .....	3,244,375	2,578,484	5,822,859
Deduct provision for income taxes .....	1,002,414	687,693	1,690,107
Net income (or deficit) after income taxes .....	2,241,961	1,890,791	4,132,752
Operating ratio .....	96.8	93.7	96.0

1. Revenues and expenses for foreign carriers not available.

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



TABLE 9. Operating Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1955.

	Canadian Pacific Air Lines	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines	Total
Miles scheduled.....	5,795,491	106,984	545,656	417,481	449,020 <sup>3</sup>	24,620,767	31,935,399
Miles flown:							
Revenue:							
Unit toll transportation.....	6,557,934	452,291	584,772	925,608	449,020	25,073,132	34,042,757
Bulk transportation.....	1,336,867	1,362,797	3,310,339	1,303,744	919,298	106,676	8,339,721
Total revenue.....	7,894,801	1,815,088	3,895,111	2,229,352	1,368,318	25,179,808	42,382,478
Non-revenue.....	351,732	80,932	241,666	45,575	47,916	1,567,885	2,335,706
Total miles flown.....	8,246,533	1,896,020	4,136,777	2,274,927	1,416,234	26,747,693	44,718,184
Hours flown:							
Revenue:							
Unit toll transportation.....	43,124	4,039	4,143	7,853	3,742	126,212	189,113
Bulk transportation.....	8,322	9,556	19,047	9,593	6,164	569	53,251
Other flying services.....	—	—	500	—	—	2	502
Total revenue.....	51,446	13,595	23,690	17,446	9,906	126,783	242,866
Non-revenue.....	2,239	673	1,784	482	498	8,241	13,917
Total hours flown.....	53,685	14,268	25,474	17,928	10,404	135,024	256,783
Fuel consumed:							
Gasoline..... gals.	5,558,398	720,710	3,806,582	492,108	815,111	32,977,262 <sup>2</sup>	44,370,171
Cost..... \$	2,557,052	416,132	1,393,373	177,165	367,501	9,082,575 <sup>2</sup>	13,993,798
Oil..... gals.	92,153	8,868	40,885	7,712	13,053	398,757 <sup>2</sup>	561,428
Cost..... \$	95,705	9,702	34,134	7,770	12,433	370,765 <sup>2</sup>	530,509
Average number of employees.....	1,212	98	363	149	180	8,084 <sup>2</sup>	10,086
Salaries and wages..... \$	5,257,702	439,942	1,776,690	720,027	484,445	33,514,127 <sup>2</sup>	42,192,933
Average number of aircraft:							
Owned.....	33	27	26	14	11	63 <sup>2</sup>	174
Leased.....	—	1	—	5	—	—	6
Total.....	33	28	26	19	11	63 <sup>2</sup>	180
Ratio of miles flown to miles scheduled <sup>1</sup> .....	97.2	73.3	86.7	94.4	100.0	96.3	96.3
Revenue passenger load factor — scheduled.....	54.0	4	36.8	51.4	42.8	69.2	66.2

1. Includes miles flown on regular scheduled flights only.

2. Includes Trans-border services.

3. Estimated.

4. Not available.

TABLE 10. Operating Statistics of Domestic Services of Non-scheduled Canadian Air Carriers, 1955

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Miles scheduled.....	Not applicable			
Miles flown:				
Revenue:				
Unit toll transportation.....	2,024,397	264,323	52,710	2,341,430
Bulk transportation.....	18,841,807	2,975,271	1,724,748	23,541,826
Total revenue.....	20,866,204	3,239,594	1,777,458	25,883,256
Non-revenue.....	1	1	1	1
Total miles flown.....	1	1	1	1
Hours flown:				
Revenue:				
Unit toll transportation.....	16,647	2,317	504	19,468
Bulk transportation.....	154,582	31,465	14,078	200,125
Other flying services.....	53,136	10,015	11,336	74,487
Total revenue.....	224,365	43,797	25,918	294,080
Non-revenue.....	10,380	2,712	2,862	15,954
Total hours flown.....	234,745	46,509	28,780	310,034
Fuel consumed:				
Gasoline..... gals.	9,218,192	745,814	761,810	10,725,816
Cost..... \$	4,201,502	339,988	301,344	4,842,834
Oil..... gals.	158,503	11,091	15,047	184,641
Cost..... \$	196,564	16,036	17,559	230,159
Average number of employees.....	1,782	231	141	2,154
Salaries and wages..... \$	7,646,822	769,186	390,049	8,806,057
Average number of aircraft:				
Owned.....	310	118	87	515
Leased.....	44	8	11	63
Total.....	354	126	98	578
Ratio of miles flown to miles scheduled.....	Not applicable			
Revenue passenger load factor — scheduled.....	Not applicable			

1. Not available.

TABLE 11. Operating Statistics of Atlantic and Pacific Services of Scheduled Canadian Air Carriers, 1955

	T. C. A. Atlantic Services	C. P. A. Pacific services	Total
Miles scheduled .....	3,690,358	3,072,864	6,763,222
Miles flown:			
Revenue:			
Unit toll transportation .....	3,713,529	2,953,940	6,667,469
Bulk transportation .....	41,265	338,934	380,199
Total revenue .....	3,754,794	3,292,874	7,047,668
Non-revenue .....	124,395	123,886	248,281
Total miles flown .....	3,879,189	3,416,760	7,295,949
Hours flown:			
Revenue:			
Unit toll transportation .....	14,615	11,109	25,724
Bulk transportation .....	146	1,332	1,478
Other flying services .....	—	—	—
Total revenue .....	14,761	12,441	27,202
Non-revenue .....	503	481	984
Total hours flown .....	15,264	12,922	28,186
Fuel consumed:			
Gasoline .....	gals. 5,870,498	4,456,286	10,326,784
Cost .....	\$ 1,704,174	1,463,438	3,167,612
Oil .....	gals. 104,867	51,509	156,376
Cost .....	\$ 82,020	53,979	135,999
Average number of employees .....	627	404	1,031
Salaries and wages .....	\$ 2,529,240	1,992,669	4,521,909
Average number of aircraft:			
Owned .....	6	4	10
Leased .....	—	—	—
Total .....	6	4	10
Ratio of miles flown to miles scheduled <sup>1</sup> .....	98.0	96.1	97.0
Revenue passenger load factor — scheduled .....	73.1	44.8	57.4

1. Includes miles flown on regular scheduled flights only.

TABLE 12. Transportation Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1955

	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 .....	215,910	1,907	26,392	40,881	111,276	1,130,653	1,527,019
Domestic interline .....	22,207	—	3,111	—	—	15,964	41,282
Foreign interline .....	12,345	—	—	—	—	87,790	100,135
Division interline .....	—	—	—	—	—	40,033	40,033
Non-scheduled .....	3,549	6,049	1,459	17,423	—	—	28,480
Total unit toll transportation .....	254,011	7,956	30,962	58,304	111,276	1,274,440	1,736,949
Bulk transportation .....	566	5,780	18,488	9,446	15,035	8,710	58,025
Total revenue .....	254,577	13,736	49,450	67,750	126,311	1,283,150	1,794,974
Non-revenue .....	4,044	110	1,713	1,547	200	20,157	27,771
Total passengers carried .....	258,621	13,846	51,163	69,297	126,511	1,303,307	1,822,745
Passenger miles — Unit toll transportation:							
Revenue .....	97,492,596	1,136,856	5,318,820	7,689,843	4,863,849	668,966,448	785,468,412
Non-revenue .....	2,837,569	14,827	148,532	178,855	25,871	37,453,294	40,658,948
Total passenger miles .....	100,330,165	1,151,683	5,467,352	7,868,698	4,889,720	706,419,742	826,127,360
Goods carried (lbs):							
Revenue:							
Scheduled:							
Originated .....	10,292,638	31,362	500,834	304,418	2,825,056	14,589,972	28,544,280
Domestic interline .....	34,608	—	64,980	—	—	11,894	111,482
Foreign interline .....	24,048	—	—	—	—	37,974	62,022
Division interline .....	39	—	—	—	—	2,631,227	2,631,266
Non-scheduled .....	49,733	1,095,209	70,439	189,200	—	—	1,404,581
Total unit toll transportation .....	10,401,066	1,126,571	636,253	493,618	2,825,056	17,271,067	32,753,631
Bulk transportation .....	13,070,884	13,200,711	20,397,357	8,755,346	5,412,962	145,919	60,983,179
Total revenue .....	23,471,950	14,327,282	21,033,610	9,248,964	8,238,018	17,416,986	93,736,810
Non-revenue .....	880,564	709,008	238,973	24,659	—	3,796,500	5,649,704
Total goods carried .....	24,352,514	15,036,290	21,272,583	9,273,623	8,238,018	21,213,486	99,386,514



TABLE 12. Transportation Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1955 - 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 .....	2,372,203	63,026	142,447	47,817	74,703	7,760,897	10,461,093
Non-revenue .....	299,243	2,356	-	2,484	-	2,128,363	2,432,446
<b>Total goods ton miles .....</b>	<b>2,671,446</b>	<b>65,382</b>	<b>142,447</b>	<b>50,301</b>	<b>74,703</b>	<b>9,889,260</b>	<b>12,893,539</b>
Mail carried (lbs) - Unit toll transportation .....	2,962,765	362,440	626,239	151,105	981,215	16,357,360	21,641,124
Mail ton miles - Unit toll transportation .....	663,193	25,299	78,319	12,997	22,718	6,407,479	7,210,005
Available seat miles - Scheduled .....	172,985,606	1	12,571,426	10,393,591	11,375,548	966,492,376	1,173,818,547
Available ton miles - Scheduled .....	20,838,278	1	1,263,465	1,151,187	1,224,671	142,190,110	166,667,711

1. Not available.

TABLE 13. Transportation Statistics of Domestic Services of Canadian Non-scheduled Air Carriers, 1955

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Passengers carried:				
Revenue:				
Scheduled:				
Originated .....			Not applicable	
Domestic interline .....				
Foreign interline .....				
Division interline .....				
Non-scheduled .....	47,884	10,215	2,194	60,293
Total unit toll transportation .....	47,884	10,215	2,194	60,293
Bulk transportation .....	257,808	69,299	17,115	344,222
Total revenue .....	305,692	79,514	19,309	404,515
Non-revenue .....	3,812	6,479	294	10,585
<b>Total passengers carried .....</b>	<b>309,504</b>	<b>85,993</b>	<b>19,603</b>	<b>415,100</b>
Passenger miles - Unit toll transportation:				
Revenue .....	8,481,261	711,419	135,967	9,328,647
Non-revenue .....	49,306	8,093	2,188	59,587
<b>Total passenger miles .....</b>	<b>8,530,567</b>	<b>719,512</b>	<b>138,155</b>	<b>9,388,234</b>
Goods carried (lbs):				
Revenue:				
Scheduled:				
Originated .....			Not applicable	
Domestic interline .....				
Foreign interline .....				
Division interline .....				
Non-scheduled .....	2,637,140	204,228	7,814	2,849,182
Total unit toll transportation .....	2,637,140	204,228	7,814	2,849,182
Bulk transportation .....	100,602,861	8,636,498	5,564,189	114,803,548
Total revenue .....	103,240,001	8,840,726	5,572,003	117,652,730
Non-revenue .....	274,343	74,137	15,600	364,080
<b>Total goods carried .....</b>	<b>103,514,344</b>	<b>8,914,863</b>	<b>5,587,603</b>	<b>118,016,810</b>
Goods ton miles - Unit toll transportation:				
Revenue .....	595,840	11,125	3,486	610,451
Non-revenue .....	2,750	-	-	2,750
<b>Total goods ton miles .....</b>	<b>598,590</b>	<b>11,125</b>	<b>3,486</b>	<b>613,201</b>
Mail carried (lbs) - Unit toll transportation .....	946,101	64,594	16,941	1,027,636
Mail ton miles - Unit toll transportation .....	78,474	4,115	657	83,246
Available seat miles - Scheduled .....			Not applicable	
Available ton miles - Scheduled .....				

TABLE 14. Transportation Statistics of Atlantic and Pacific Services of Canadian Scheduled Air Carriers, 1955

	T. C. A. Atlantic Services	C. P. A. Pacific Services	Total
Passengers carried:			
Revenue:			
Scheduled:			
Originated .....	65,028	14,862	79,890
Domestic interline .....	—	1,323	1,323
Foreign interline .....	—	2,862	2,862
Division interline .....	116	—	116
Non-scheduled .....	—	—	—
Total unit toll transportation .....	65,144	19,047	84,191
Bulk transportation .....	728	2,577	3,305
Total revenue .....	65,872	21,624	87,496
Non-revenue .....	2,549	685	3,234
Total passengers carried .....	68,421	22,309	90,730
Passenger miles — Unit toll transportation:			
Revenue .....	150,545,553	85,737,621	236,283,174
Non-revenue .....	9,562,923	2,699,084	12,262,007
Total passenger miles .....	160,108,476	88,436,705	248,545,181
Goods carried (lbs.):			
Revenue:			
Scheduled:			
Originated .....	2,150,423	258,649	2,409,072
Domestic interline .....	—	59,909	59,909
Foreign interline .....	—	113,003	113,003
Division interline .....	5,283	1,149	6,432
Non-scheduled .....	—	—	—
Total unit toll transportation .....	2,155,706	432,710	2,588,416
Bulk transportation .....	—	—	—
Total revenue .....	2,155,706	432,710	2,588,416
Non-revenue .....	335,365	79,770	415,135
Total goods carried .....	2,491,071	512,480	3,003,551
Goods ton miles — Unit toll transportation:			
Revenue .....	2,971,543	1,438,270	4,409,813
Non-revenue .....	434,760	445,906	880,666
Total goods ton miles .....	3,406,303	1,884,176	5,290,479
Mail carried (lbs.) — Unit toll transportation .....	717,115	135,363	852,478
Mail ton miles — Unit toll transportation .....	1,155,486	347,519	1,503,005
Available seat miles — Scheduled .....	217,257,045	191,570,602	408,827,647
Available ton miles — Scheduled .....	31,666,208	19,197,422	50,863,630

TABLE 15. Revenues and Expenses of Canadian Scheduled Air Carriers, 1955

	Canadian Pacific Air Lines <sup>1</sup>	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines <sup>2</sup>	Total
	\$	\$	\$	\$	\$	\$	\$
Operating revenues:							
Unit toll transportation:							
Passengers .....	13,031,166	166,136	521,791	962,411	671,742	61,105,243	76,458,489
Mail .....	1,894,916	72,914	192,226	76,721	54,396	8,297,605	10,588,778
Goods .....	1,860,512	88,352	78,949	53,859	90,057	5,436,802	7,608,531
Excess baggage .....	214,229	3,437	13,942	15,038	20,527	579,108	846,281
Total unit toll transportation .....	17,000,823	330,839	806,908	1,108,029	836,722	75,418,758	95,502,079
Bulk transportation .....	3,537,782	2,197,179	5,893,598	3,055,567	1,896,409	333,807	16,914,342
Other flying services .....	—	—	50,250	—	—	250	50,500
Total flying services .....	20,538,605	2,528,018	6,750,756	4,163,596	2,733,131	75,752,815	112,466,921
Non-flying services .....	153,710	19,235	301,760	20,459	4,226	1,675,439	2,174,829
Total operating revenues .....	20,692,315	2,547,253	7,052,516	4,184,055	2,737,357	77,428,254	114,641,750

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.

TABLE 15. Revenues and Expenses of Canadian Scheduled Air Carriers, 1955 - Concluded

	Canadian Pacific Air Lines <sup>1</sup>	Central Northern Airways	Maritime Central Airways	Queen Charlotte Airlines	Quebecair Inc.	Trans- Canada Air Lines <sup>2</sup>	Total
	\$	\$	\$	\$	\$	\$	\$
Operating expenses:							
Aircraft operation and maintenance .....	12,773,296	2,124,500	4,482,113	3,041,145	1,451,721	37,962,005	61,834,780
Ground operation and maintenance .....	4,129,816	173,697	740,953	170,676	384,679	23,628,889	29,228,710
Traffic .....	1,839,449	16,117	43,746	149,781	91,560	11,053,965	13,194,618
General administration .....	1,437,070	131,980	391,416	315,440	171,306	3,693,396	6,140,608
General taxes .....	104,760	5,648	10,239	5,249	5,783	432,667	564,346
<b>Total operating expenses .....</b>	<b>20,284,391</b>	<b>2,451,942</b>	<b>5,668,467</b>	<b>3,682,291</b>	<b>2,105,049</b>	<b>76,770,922</b>	<b>110,963,062</b>
Operating income (or loss) .....	407,924	95,311	1,384,049	501,764	632,308	657,332	3,678,688
Add non-operating income .....	354,048	7,352	1,849	—	—	496,130	859,379
Gross income .....	761,972	102,663	1,385,898	501,764	632,308	1,153,462	4,538,067
Deduct interest and other income charges .....	267,286	—	42,514	14,639	5,886	963,367	1,293,692
Net income before income taxes .....	494,686	102,663	1,343,384	487,125	626,422	190,095	3,244,375
Deduct provision for income taxes .....	219,966	44,554	669,112	—	68,782	—	1,002,414
Net income (or deficit) after income taxes .....	274,720	58,109	674,272	487,125	557,640	190,095	2,241,961
Operating ratio .....	98.0	96.3	80.4	88.0	76.9	99.2	96.8

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.

TABLE 16. Revenues and Expenses of Domestic Services of Canadian Non-scheduled Air Carriers, 1955

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
	\$	\$	\$	\$
Operating revenues:				
Unit toll transportation:				
Passengers .....	1,020,033	96,037	23,560	1,139,630
Mail .....	296,651	14,971	4,329	315,951
Goods .....	328,925	12,992	1,222	343,139
Excess baggage .....	16,468	745	—	17,213
<b>Total unit toll transportation .....</b>	<b>1,662,077</b>	<b>124,745</b>	<b>29,111</b>	<b>1,815,933</b>
Bulk transportation .....	23,711,505	1,658,852	2,258,559	27,628,916
Other flying services .....	5,856,039	495,475	320,018	6,671,532
<b>Total flying services .....</b>	<b>31,229,621</b>	<b>2,279,072</b>	<b>2,607,688</b>	<b>36,116,381</b>
Non-flying services .....	1,743,289	161,009	76,569	1,980,887
<b>Total operating revenues .....</b>	<b>32,972,910</b>	<b>2,440,081</b>	<b>2,684,277</b>	<b>38,097,268</b>
Operating expenses:				
Aircraft operation and maintenance .....	24,959,501	1,668,784	2,041,539	28,669,824
Ground operation and maintenance .....	2,955,043	441,524	283,939	3,680,506
Traffic .....	641,140	42,029	20,465	703,634
General administration .....	2,052,141	303,134	227,921	2,583,196
General taxes .....	43,768	7,047	3,777	54,592
<b>Total operating expenses .....</b>	<b>30,651,593</b>	<b>2,462,518</b>	<b>2,577,641</b>	<b>35,691,752</b>
Operating income (or loss) .....	2,321,317	Dr. 22,437	106,636	2,405,516
Add non-operating income .....	364,158	32,865	18,012	415,035
Gross income .....	2,685,475	10,428	124,648	2,820,551
Deduct interest and other income charges .....	202,114	24,462	15,491	242,067
Net income before income taxes .....	2,483,361	Dr. 14,034	109,157	2,578,484
Deduct provision for income taxes .....	667,656	10,304	9,733	687,693
Net income (or deficit) after income taxes .....	1,815,705	Dr. 24,338	99,424	1,890,791
Operating ratio .....	93.0	100.9	96.0	93.7

TABLE 17. Employees, Salaries and Wages of Canadian and Foreign Air Carriers, 1955

Canadian carriers	Employees	Salaries and wages	Companies	Employees	Salaries and wages
		\$			\$
General officers .....	889	5,952,504	Canadian Pacific Air Lines <sup>1</sup> .....	1,616	7,250,371
Clerks and stenographers .....	1,654	4,610,468	Central Northern Airways .....	98	439,942
Pilots .....	987	7,992,761	Maritime Central Airways .....	363	1,776,690
Co-pilots .....	481	2,741,494	Queen Charlotte Airlines .....	149	720,027
Despatchers .....	168	778,691	Quebecair Inc. ....	180	484,445
Communication operators .....	859	2,661,093	Trans-Canada Air Lines <sup>1</sup> .....	8,711	36,043,367
Stewards or other attendants .....	518	1,742,246	Total Scheduled .....	11,117	46,714,842
Air engineers .....	809	3,784,779	Class "B" carriers .....	1,782	7,646,822
Mechanics .....	2,919	11,627,842	Class "C" carriers .....	231	769,186
Airport employees .....	1,960	6,512,577	Class "D" carriers .....	141	390,049
Stores employees .....	346	1,141,535	Total Canadian .....	13,271	55,520,899
Other employees .....	1,681	5,974,909	Foreign carriers:		
Total .....	13,271	55,520,899	Trans-border services .....	244	1,052,504
			Atlantic and Pacific services .....	268	1,092,007
			Total carriers .....	13,783	57,665,410

1. Includes Overseas Services.

TABLE 18. Accidents Involving Canadian Air Carriers, 1951-1955<sup>1</sup>

	1955	1954	1953	1952	1951		1955	1954	1953	1952	1951
<b>Casualties:</b>						<b>Number of aircraft accidents .....</b>	264	201	174	169	137
Pilot:						<b>Type of flying:</b>					
Fatal .....	34	18	25	28	23	Instructional .....	7	2	1	2	1
Serious .....	12	7	6	13	9	Practice .....	5	1	3	4	3
Minor .....	11	5	—	18	17	Private .....	146	108	86	87	67
Crew:						Scheduled .....	1	4	7	2	4
Fatal .....	5	2	6	3	9	Non-scheduled .....	98	76	71	67	59
Serious .....	3	3	2	1	1	State .....	2	1	1	—	—
Minor .....	1	1	—	1	—	Other (including ferry, test, etc.) ....	5	9	5	7	3
Passengers:						<b>Probable cause (per cent):</b>					
Fatal .....	24	47	43	26	77	Personnel .....	52.3	52.3	50.0	51.5	56.2
Serious .....	15	17	11	13	7	Material failure .....	19.4	20.9	20.7	14.8	16.1
Minor .....	7	17	10	24	22	Weather .....	7.6	7.9	5.2	8.9	6.5
Other:						Aerodrome terrain or water .....	11.7	12.9	12.6	11.2	5.9
Fatal .....	—	3	—	—	—	Miscellaneous .....	1.5	2.0	4.0	4.1	2.9
Serious .....	1	—	2	1	1	Undetermined .....	7.5	4.0	7.5	9.5	12.4
Minor .....	—	—	1	—	—						
<b>Operational phase:</b>											
Starting .....	3	1	7	3	4						
Taxiing .....	29	28	6	11	7						
Take-off .....	56	37	37	38	27						
Flight .....	41	31	42	39	39						
Landing .....	130	101	81	74	58						
Other .....	5	3	1	4	2						

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

TABLE 19. Personnel and Airport Licences Issued and Aircraft Registered as of December 31, 1955<sup>1</sup>

Personnel	In force December 31, 1955	In force December 31, 1954	Aircraft registered	Total December 31, 1955	Total December 31, 1954
<b>Pilots:</b>			Commercial .....	1,540	1,369
Glider .....	201	159	Private .....	1,466	1,287
Private .....	5,559	4,980	State .....	142	144
Commercial (old type) .....	—	—	Grand total .....	3,148	2,800
Commercial .....	1,754	1,499			
Senior commercial .....	312	323			
Transport .....	—	—			
Airline transport .....	717	612			
Air navigators .....	56	54			
Air traffic controllers .....	270	234			
Flight engineers .....	20	25			
Aircraft maintenance engineers .....	1,544	1,388			
				In force December 31, 1955	In force December 31, 1954
				495	470

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







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