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CIVIL AVIATION

1956

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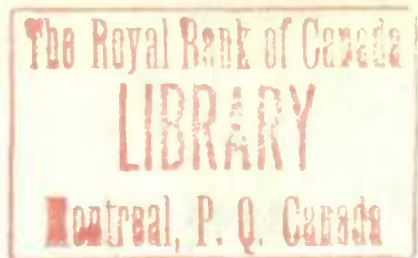
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CIVIL AVIATION 1956

The Canadian air transport industry registered further impressive advances in 1956 but at rates generally below those prevailing in 1955. Operating income for all carriers rose to a record-breaking \$7,586,870, surpassing the previous high of \$6,990,586 in 1951 as well as last year's total of \$6,084,204. This year's gain of 24.7 p.c. was associated with fairly consistent increases in all categories of revenue whereas the previous year's rise of close to 200 p.c. was due mainly to rapid expansion in bulk transportation services, largely in connection with defence projects in the Canadian northland. A further interesting feature of this year's increase was the substantial improvement in operating income of scheduled as opposed to non-scheduled airlines. Operating income of scheduled airlines rose to \$5,611,928 from \$3,678,688 while for non-scheduled airlines it dropped to \$1,974,942 from \$2,405,516.

Total operating revenue for all Canadian carriers established a new record in 1956, at \$182,168,850 some 19.3 p.c. above the previous high of \$152,739,018 recorded in 1955. Revenue from passenger fares continued to be the principal source of income advancing to \$96,180,546 from \$77,598,119, an increase of \$18,582,427 or 23.9 p.c. Mail receipts rose to \$11,532,851 from \$10,904,729, earnings from goods carried in unit toll service to \$9,145,688 from \$7,951,670 and excess baggage charges to \$1,150,999 from \$863,494. As a result, total revenues in unit toll service rose 21.3 p.c. to \$118,010,084 from \$97,318,012. Revenue from both passengers and freight in bulk or chartered service amounted to \$53,435,589 compared with \$44,543,258 in 1955, an increase of 20 p.c. Other flying services produced revenues of \$7,124,088 as against \$6,722,032 and non-flying services, \$3,599,089 versus \$4,155,716.

Operating expenses were also substantially higher in 1956 amounting in total to \$174,581,980 as compared with \$146,654,814 in 1955, an increase of \$27,927,166 or 19.0 p.c. Aircraft operation and maintenance costs rose to \$108,268,728 from \$90,504,604, ground operation and maintenance costs to \$39,014,039 from \$32,909,216, traffic expenses to \$16,149,865 from \$13,898,252 and general taxes to \$772,015 from \$618,938.

A total of 3,320,705 revenue passengers were carried during 1956 as compared with 2,717,337 in the previous year, an increase of 603,368 or 22.2 p.c. Revenue unit toll passengers numbered 2,796,841 compared with 2,311,115 while revenue unit toll passenger miles increased by 26.0 p.c. to 1,480,639,773 from 1,175,343,729. An additional 523,864 persons were flown in bulk or charter service as compared with 406,222 during 1955.

Revenue goods transported by air aggregated 310,003,135 lb. of which 63,117,432 lb. were carried in unit toll services and 246,885,703 lb. in bulk or charter service. Goods carried in unit toll services consisted of 43,781,833 lb. of freight, 14,594,643 lb. of express and 4,740,956 lb. of excess baggage; freight was the only type of cargo flown in charter service. A new all-time high was established for the volume of mail transported which at 25,570,279 lb. exceeded last year's record of 24,267,437 lb. by 5.4 p.c.

Transportation statistics for all services include foreign carriers in both trans-border and Atlantic and Pacific services. During 1956 these carriers transported 553,572 passengers, 9,942,801 lb. of freight and 2,344,007 lb. of mail. Comparable figures for the previous year are 540,431 passengers, 8,838,655 lb. of freight and 2,349,068 lb. of mail. The mileage shown for these foreign carriers represents miles flown over Canadian territory only.

During 1956, Canadian carriers flew a total of 56,067,785 miles in revenue unit toll transportation, requiring 288,120 hours of flying time. This compares with 48,593,351 miles and 261,424 hours in 1955. An additional 42,369,709 miles were flown in 343,316 hours in the performance of bulk or charter services, a considerable increase from the 32,266,480 miles and 254,880 hours flown in this class of service one year ago.

Salaries and wages for the 14,848 employees engaged in the industry totalled \$65,240,831 for the year compared with 13,271 employees earning \$55,520,899 in 1955. The average annual salary rose to \$4,394 from \$4,184, a gain of 5.0 p.c. All classes of personnel with the exception of co-pilots showed increases in number and salary.

An average fleet of 825 planes was used by Canadian commercial air carriers in 1956, an increase of 57 over the 1955 fleet of 768. The operation of this fleet of aircraft required a total of 83,430,347 gallons of gasoline and 1,002,674 gallons of oil at a cost of \$27,584,973 and \$1,053,188, respectively. During 1955 fuel requirements were 65,422,771 gallons of gasoline and 902,445 gallons of oil at a cost of \$22,004,244 for gasoline and \$896,667 for oil.

A total of 262 flying accidents involving Canadian carriers claimed 130 lives during 1956 according to the report issued by the Civil Aviation Division, Department of Transport. This compares with 264 accidents and 84 fatalities in 1955. During the year under review, 97 passengers and 26 pilots lost their lives as compared with 42 passengers and 40 pilots in 1955.

CHART A

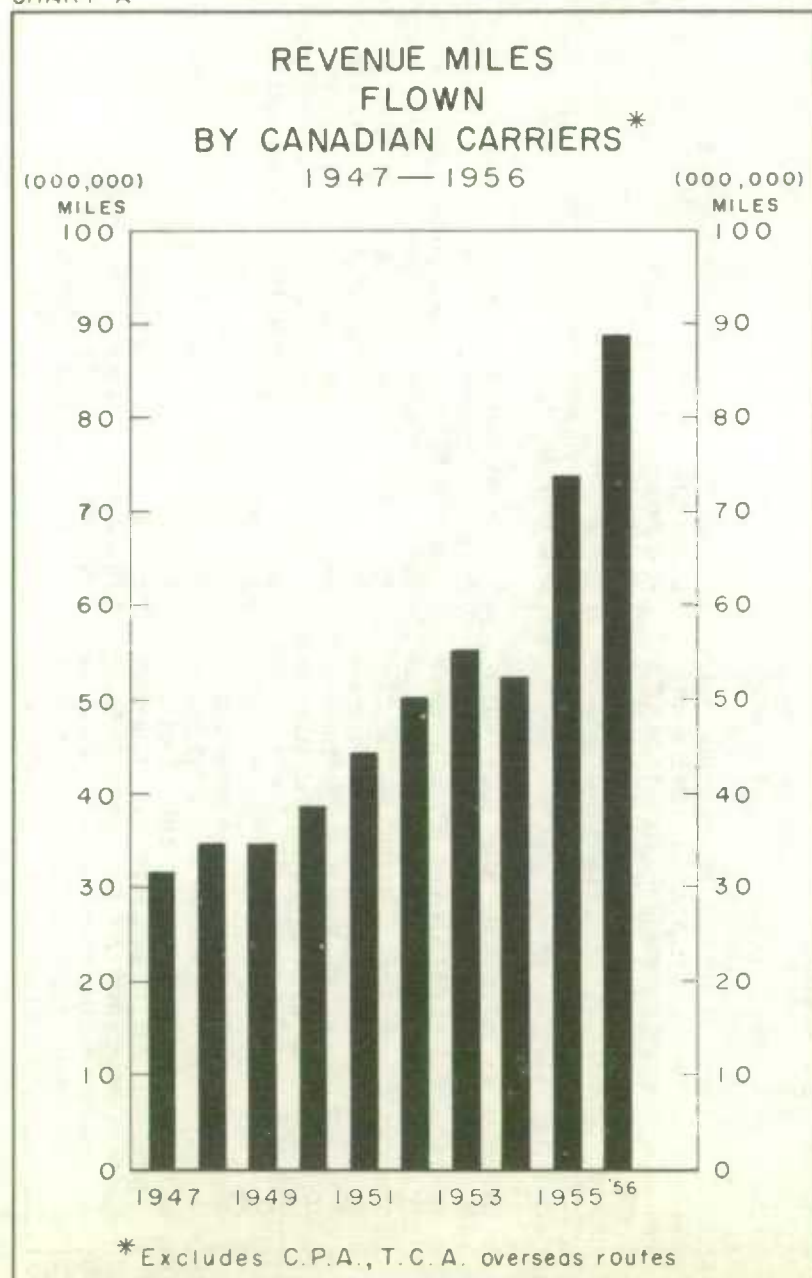


CHART B

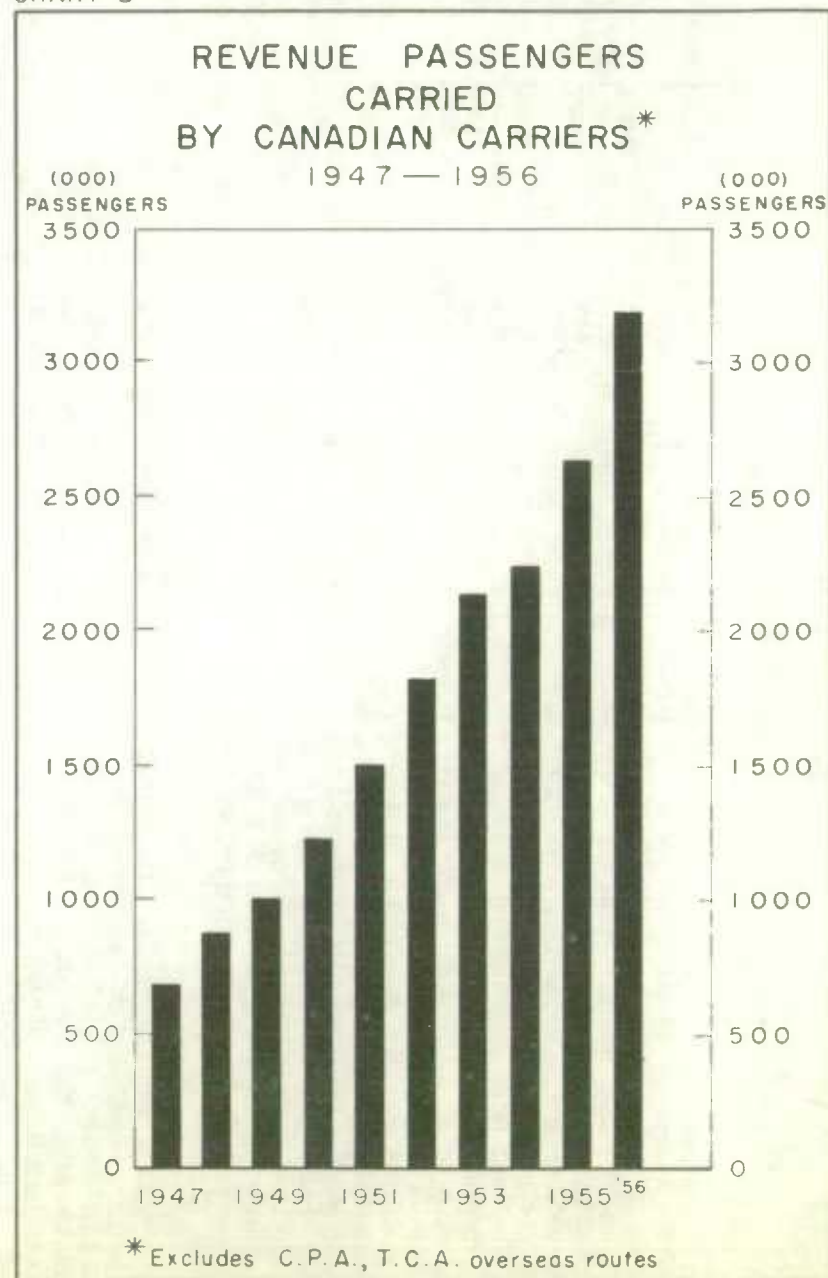


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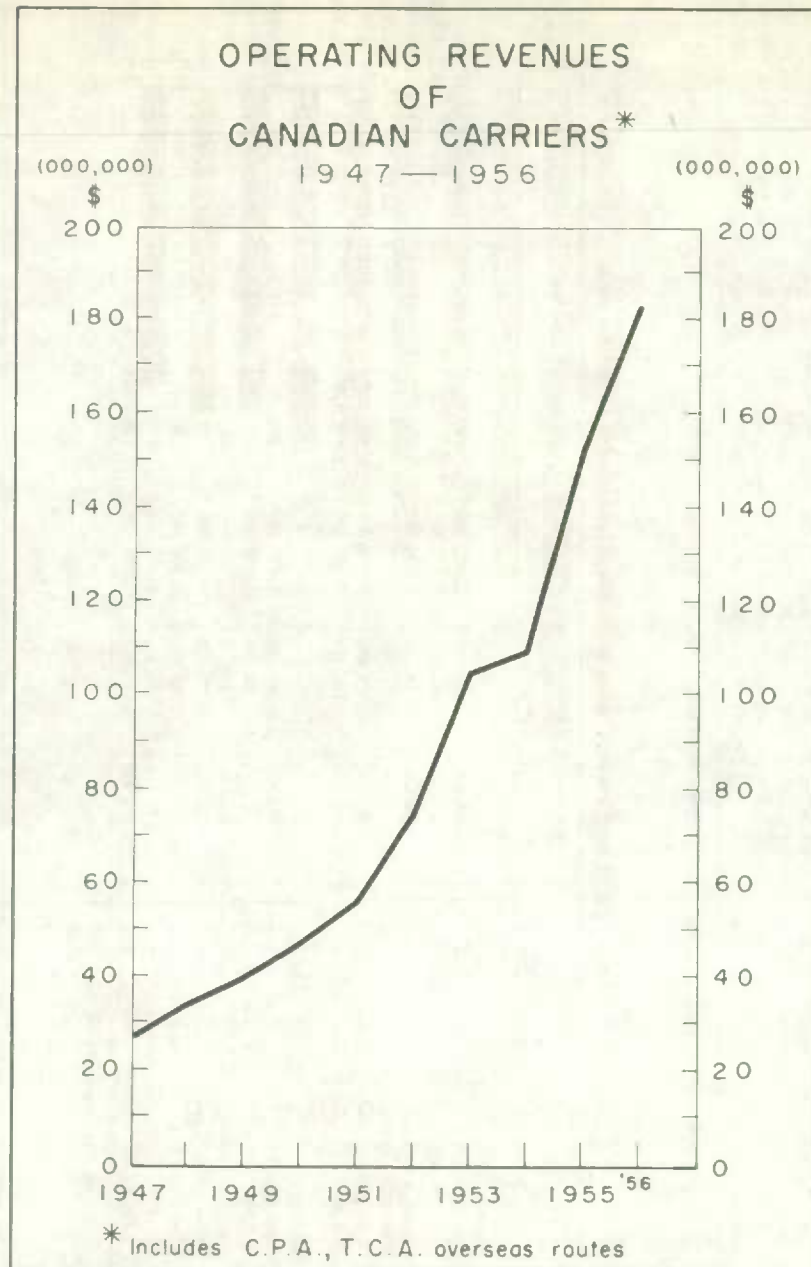


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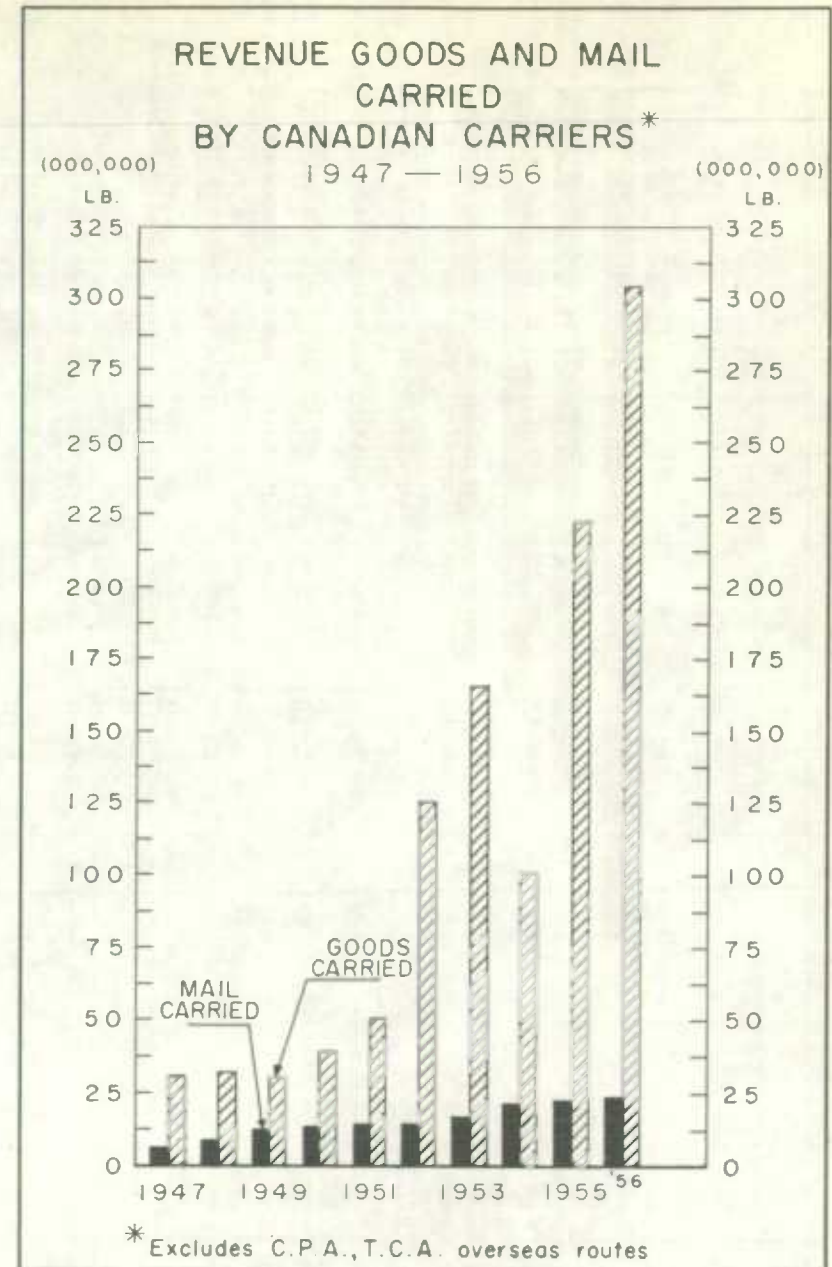


TABLE 1. Statistical Summary of Civil Aviation in Canada, 1951-1956

	1956	1955	1954	1953	1952	1951 ¹
Miles Flown—revenue	101,723,710	83,805,304	61,582,481	64,076,912	58,775,340	52,578,934
Hours flown:						
Revenue	734,822	605,913	472,817	498,891	469,677	507,745
Non-revenue	37,567	31,306	21,516	26,044	22,045	74,962
Total	772,389	637,219	494,333	524,935	491,722	582,707
Passengers carried:						
Revenue	3,864,818	3,249,099	2,792,348	2,724,432	2,298,194	1,889,950
Non-revenue	58,721	54,076	73,199	71,405	62,653	58,030
Total	3,923,539	3,303,175	2,865,547	2,795,837	2,360,847	1,947,980
Passenger miles:						
Revenue (Unit toll transportation only)	1,547,279,882	1,223,825,448	1,066,805,242	942,269,095	805,642,141	679,819,451
Non-revenue " " " "	61,416,920	57,477,989	49,134,404	45,784,828	33,945,124	31,420,440
Total " " " "	1,608,696,802	1,281,303,437	1,115,939,646	988,053,923	839,587,265	711,239,891
Goods carried (lbs.):						
Revenue	319,260,401	233,561,830	109,299,356	177,451,345	135,055,106	59,199,354
Non-revenue	7,639,517	7,121,832	5,714,121	5,268,374	5,679,436	4,587,063
Total	326,899,918	240,683,662	115,013,477	182,719,719	140,734,542	63,786,417
Goods ton miles:						
Revenue (Unit toll transportation only)	22,065,286	18,084,169	14,057,279	11,738,487	10,134,861	8,562,261
Non-revenue " " " "	3,039,907	3,477,194	3,379,895	2,796,334	2,519,711	2,440,113
Total " " " "	25,105,193	21,561,363	17,437,174	14,534,821	12,654,572	11,002,374
Mail carried (lbs.) — Unit toll transportation	27,914,288	26,616,505	24,228,571	20,319,952	18,328,310	16,824,652
Mail ton miles — Unit toll transportation	10,238,458	9,048,610	8,239,855	6,419,077	5,725,178	5,306,076
Fuel consumed:						
Gasoline	gals. 102,836,140	77,938,918	53,164,769	51,817,843	45,542,485	36,722,262
Cost	\$ 33,321,107	25,070,432	17,314,786	16,573,708	12,498,175	9,708,577
Oil	gals. 1,212,361	1,006,154	695,642	649,664	547,501	412,272
Cost	\$ 1,215,979	960,154	671,069	614,724	490,258	324,134
Average number of employees	15,411	13,783	12,126	11,105	9,746	8,107
Salaries and wages	\$ 67,708,117	57,665,410	48,907,525	43,696,008	36,625,014	27,399,363
Operating revenues:						
Unit toll transportation	118,010,084	97,318,012	84,327,398	75,640,718	66,882,820	59,480,858
Bulk transportation	53,435,589	44,543,258	15,149,492	19,664,102	16,952,037	10,202,691
Other revenue services	10,723,177	10,877,748	9,387,399	8,950,680	6,684,438	3,367,983
Total	182,168,850	152,739,018	108,864,289	104,255,500	90,519,295	73,051,532
Operating expenses:						
Aircraft operation and maintenance	108,268,728	90,504,604	59,984,323	60,618,261	51,099,026	38,282,623
Ground operation and maintenance	39,014,039	32,909,216	27,840,216	25,186,828	21,002,448	16,407,372
Traffic, general administration and taxes	27,299,213	23,240,994	19,162,830	17,154,811	14,653,873	11,370,951
Total	174,581,980	146,654,814	106,987,369	102,959,900	86,755,347	66,060,946
Operating income (or loss)	7,586,870	6,084,204	1,876,920	1,295,600	3,763,948	6,990,586

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

TABLE 2. General Balance Sheet of Canadian Scheduled Air Carriers, 1956

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines ¹	Total scheduled carriers
Assets:							
Current assets	6,898,630	4,554,990	1,413,290	384,751	1,099,357	19,624,935	33,975,953
Investments	38,537	688,500	1,594,376	—	5,145	20,590	2,347,148
Deferred debits	614,378	16,720	126,787	259,587	14,675	—	1,032,147
Special funds	—	—	—	—	—	6,000,000	6,000,000
Fixed assets (less depreciation)	15,801,063	2,869,258	3,873,044	1,533,802	2,110,203	43,912,632	70,100,002
Total	23,352,608	8,129,468	7,007,497	2,178,140	3,229,380	69,558,157	113,455,250
Liabilities:							
Current liabilities	5,840,903	5,133,552	1,659,432	388,736	874,484	9,423,550	23,320,857
Long term debt	—	26,949	1,785,083	490,000	1,550,057	40,000,000	43,852,089
Deferred credits	845,429	85,076	—	331,591	—	2,473,657	3,735,755
Reserves	820,000	177,828	3,254	61,939	—	6,393,939	7,456,960
Capital stock	14,750,000	15,000	1,454,194	130,158	461,497	5,000,000	21,810,849
Surplus	1,096,276	2,691,061	2,105,534	775,716	343,342	6,267,011	13,278,940
Total	23,352,608	8,129,468	7,007,497	2,178,140	3,229,380	69,558,157	113,455,250

1. Includes overseas services.

TABLE 3. General Balance Sheet of Canadian Non-scheduled Air Carriers, 1956

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total non-scheduled
	\$	\$	\$	\$
Assets:				
Current assets	11,919,292	672,097	473,679	13,065,068
Fixed assets (less depreciation)	12,270,078	1,121,429	951,683	14,343,190
Other assets	2,224,999	141,211	195,538	2,561,748
Total	26,414,369	1,934,737	1,620,900	29,970,006
Liabilities:				
Current liabilities	9,959,682	548,422	475,711	10,983,815
Other liabilities	7,858,168	661,506	345,627	8,865,301
Incorporated companies:				
Capital stock	3,952,805	568,749	366,010	4,887,564
Surplus	4,612,438	Dr. 35,028	37,786	4,615,196
Non-incorporated businesses — net worth	31,276	191,088	395,766	618,130
Total	26,414,369	1,934,737	1,620,900	29,970,006

TABLE 4. Property Account of Selected Canadian Air Carriers as at End of 1956

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Airlines ¹	Total scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Property and equipment:									
Aircraft	8,417,934 ²	1,837,410	1,825,896	858,036	983,684	23,408,232	37,331,192	6,733,039	44,064,231
Aircraft engines	2,620,661	495,927	243,857	58,823	418,249	6,033,943	9,869,480	1,453,045	11,322,505
Motor vehicles and floating equipment	33,096	34,135	61,729	33,795	42,963	1,032,943	1,238,661	201,504	1,440,165
Aircraft communication equipment	2	21,931	112,746	20,528	27,954	642,210	825,369	—	825,369
Communication equipment (ground)	15,066	24,238	41,686	17,630	3,068	74,426	176,114	—	176,114
Miscellaneous flying equipment	519,604	3,017	7,294	2,205	3,398	—	535,518	421,460	956,978
Shop and hangar equipment	242,029	31,942	97,339	36,206	23,226	1,565,329	2,026,071	238,758	2,264,829
Fuel storage and distribution equipment	—	69	2,024	—	—	—	2,093	—	2,093
Furniture, fixtures and office equipment	64,283	24,875	85,898	32,496	27,372	1,312,438	1,547,362	130,513	1,677,875
Airport lighting equipment	—	—	—	—	—	—	—	—	—
Miscellaneous ground equipment	29,914	12,161	53,940	12,673	—	585,574	694,262	206,131	900,393
Buildings	567,860	350,662	160,751	438,416	504,217	5,720,544	7,742,450	1,692,450	9,434,900
Appraisal increase	—	—	571,953	—	—	—	571,953	—	571,953
Total net value	12,510,447	2,866,367	3,265,113	1,508,808	2,034,131	40,375,639	62,560,505	11,076,900	73,637,405
Additions, retirements, depreciation:									
Cost value of assets:									
At beginning of year	16,599,422	4,342,261	3,299,714	3,135,478	1,613,040	68,220,975	97,210,890	15,816,382	113,027,272
Additions during year	6,502,653	2,474,113	1,131,456	714,481	2,066,890	10,785,293	23,674,886	8,164,968	31,839,854
Retirements during year	1,708,841	939,768	352,780	1,607,283	632,509	1,574,595	6,815,776	2,809,233	9,625,009
At end of year	21,393,234	5,876,606	4,078,390	2,242,676	3,047,421	77,431,673	114,070,000	21,172,117	135,242,117
Accrued depreciation:									
At beginning of year	7,150,797	2,179,414	270,998	855,199	810,500	31,513,964	42,780,872	7,676,938	50,457,810
Decreases	251,554	549,906	13,797	376,263	112,288	1,428,244	2,730,052	874,384	3,604,436
Provision for depreciation — current year	1,983,544	1,380,731	556,076	254,932	315,078	6,968,314	11,458,675	3,292,663	14,751,338
At end of year	8,882,787	3,010,239	813,277	733,868	1,013,290	37,056,034	51,509,495	10,095,217	61,604,712
Total net value	12,510,447	2,866,367	3,265,113	1,508,808	2,034,131	40,375,639	62,560,505	11,076,900	73,637,405

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, 1956

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines ¹	Total scheduled Air Lines	Class "B" carriers	Grand total
	\$	\$	\$	\$	\$	\$	\$	\$	\$
Credit balance at beginning of year	1,030,807	1,080,752	429,481	303,194	36,955	4,710,799	7,591,988	2,611,899	10,203,887
Additions:									
Net income for the year	524,844	834,676	158,597	6,850	273,853	1,556,212	3,355,032	1,415,232	4,770,284
Miscellaneous credits	—	601,108	27,235	581,507	45,535	—	1,255,385	186,448	1,441,833
Total additions	524,844	1,435,784	185,832	588,357	319,388	1,556,212	4,610,417	1,601,680	6,212,097
Deductions:									
Deficit for the year	—	—	—	—	—	—	—	514,037	514,037
Miscellaneous debits	—	33,075	—	112,117	—	—	145,192	175,545	320,737
Dividends	459,375	90,000	67,297	3,718	13,000	—	633,390	78,627	712,017
Deductions from net worth	—	—	—	—	—	—	—	29,183	29,183
Total deductions	459,375	123,075	67,297	115,835	13,000	—	778,582	797,392	1,575,974
Credit balance at end of year	1,096,276	2,393,461	548,016	775,716	343,343	6,267,011	11,423,823	3,416,187	14,840,010

1. Includes overseas services.

TABLE 6. Operating Statistics of Canadian and Foreign Air Carriers, 1956

	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	38,065,711	1,729,656	6,721,275	9,551,143	56,067,785	1,714,989	1,528,058	59,310,832
Bulk transportation	14,623,282	27,593,279	712	152,436	42,369,709	5,083	38,086	42,412,878
Total revenue miles flown...	52,688,993	29,322,935	6,721,987	9,703,579	98,437,494	1,720,072	1,566,144	101,723,710
Hours flown:								
Revenue:								
Unit toll transportation	205,613	15,155	30,237	37,115	288,120	9,321	5,966	303,407
Bulk transportation	96,894	245,828	3	591	343,316	24	155	343,495
Other flying services	4,815	83,105	—	—	87,920	—	—	87,920
Total revenue	307,322	344,088	30,240	37,706	719,356	9,345	6,121	734,822
Non-revenue	18,885	16,804	402	1,387	37,478	80	9	37,567
Total hours flown	326,207	360,892	30,642	39,093	756,834	9,425	6,130	772,389
Fuel consumed:								
Gasoline	gals. 58,059,860	11,342,890	2	14,027,597	83,430,347	9,689,743 ³	9,716,050 ³	102,836,140
Cost	\$ 18,158,863	5,094,103	2	4,332,007	27,584,973	2,986,497	2,749,637	33,321,107
Oil	gals. 648,445	164,250	2	189,979	1,002,674	126,073 ³	83,614 ³	1,212,361
Cost	\$ 685,457	204,108	2	163,623	1,053,188	99,409	63,382	1,215,979
Average number of employees	11,086	2,384	2	1,378	14,848	280	283	15,411
Salaries and wages	\$ 49,129,076	10,536,002	2	5,575,753	85,240,831	1,290,017	1,177,269	67,708,117
Average number of aircraft:								
Owned	216	533	2	13	762	Not	Not	762
Leased	17	46	2	—	63	applicable	applicable	63
Total	233	579	2	13	825			825
Ratio of miles flown to miles scheduled ¹	95.8	Not applicable	93.6	98.4	96.0	94.9	93.7	96.3
Revenue passenger load factor — scheduled	69.2		75.5	59.5	67.3	33.1	41.4	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, 1956

	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.....	2,071,995	43,642	556,519	124,685	2,796,841	484,100	56,707	3,337,648
Bulk transportation	124,095	398,000	98	1,671	523,864	654	2,652	527,170
Total revenue	2,196,090	441,642	556,617 ¹	126,356	3,320,705	484,754	59,359	3,864,818
Non-revenue	8,662	39,683	s	917	49,262	7,883	1,576	58,721
Total passengers carried	2,204,752	481,325	556,617	127,273	3,369,967	492,637	60,935	3,923,539
Passenger miles — Unit toll transportation:								
Revenue	941,074,180	5,389,007	189,330,582	344,846,004	1,480,639,773	25,724,983	40,915,126	1,547,279,882
Non-revenue	41,649,230	114,879	2,566,584	14,555,535	58,886,228	779,173	1,751,519	61,416,920
Total passenger miles	982,723,410	5,503,886	191,897,166	359,401,539	1,539,526,001	26,504,156	42,666,645	1,608,696,802
Freight carried (lbs.):								
Revenue:								
Unit toll transportation	22,707,502	9,315,391	8,845,910	2,913,030	43,781,833	7,603,900	1,630,041	53,015,774
Bulk transportation	93,702,529	153,146,237	—	36,937	246,885,703	21,050	2,275	246,909,028
Total revenue	116,410,031	162,461,628	8,845,910 ²	2,949,967	290,667,538	7,624,950	1,632,318	299,924,802
Non-revenue	5,301,440	1,064,353	97,309	490,880	6,953,982	471,712	213,823	7,639,517
Total freight carried	121,711,471	163,525,981	8,943,219	3,440,847	297,621,518	8,096,662 ⁶	1,846,139 ⁶	307,564,319
Freight ton miles — Unit toll transportation:								
Revenue	8,811,367	213,934	1,574,756	5,780,829	16,380,886	297,451	451,263	17,129,800
Non-revenue	2,014,538	23,834	16,049	808,661	2,863,082	79,754	97,071	3,039,907
Total freight ton miles	10,825,905	237,768	1,590,805	6,589,490	19,243,968	377,206 ⁷	548,334 ⁷	20,169,507
Express carried (lbs.) — Unit toll transportation	11,327,499	1,112,682	2,154,462 ³	—	14,594,643	s	s	14,594,643
Express ton miles — Unit toll transportation	3,114,085	238,734	377,833	—	3,730,652	9	9	3,730,652
Excess baggage carried (lbs.) — Unit toll transportation	3,430,221	83,259	964,668 ⁴	262,808	4,740,956	s	s	4,740,956
Excess baggage ton miles — Unit toll transportation	716,160	8,078	172,190	308,606	1,205,034	9	9	1,205,034
Mail carried (lbs.) — Unit toll transportation	22,131,279	1,282,709	1,181,741	974,550	25,570,279	1,662,434	681,575	27,914,288
Mail ton miles — Unit toll transportation	7,861,272	89,063	219,508	1,724,281	9,894,104	53,963	290,391	10,238,458

1. Includes 49,262 division interline passengers.

2. Includes 286,023 lbs. division interline freight.

3. Includes 31,249 lbs. division interline express.

4. Includes 110,116 lbs. division interline excess baggage.

5. Not available.

6. Includes express and excess baggage.

7. Includes express and excess baggage ton miles.

8. Included in freight carried.

9. Included in freight ton miles.

TABLE 8. Revenues and Expenses of Canadian Air Carriers, 1956¹

	Canadian carriers		
	Scheduled ²	Non-scheduled	Total
	\$	\$	\$
Operating revenues:			
Unit toll transportation:			
Passengers.....	95,446,542	734,004	96,180,546
Mail.....	11,133,840	399,011	11,532,851
Freight.....	5,896,925	218,715	6,115,640
Express.....	2,912,364	117,684	3,030,048
Excess baggage.....	1,138,220	12,779	1,150,999
Total unit toll transportation.....	116,527,891	1,482,193	118,010,084
Bulk transportation.....	26,811,180	26,624,409	53,435,589
Other flying services.....	375,712	6,748,376	7,124,088
Total flying services.....	143,714,783	34,854,978	178,569,761
Non-flying services.....	1,897,030	1,702,059	3,599,089
Total operating revenues.....	145,611,813	36,557,037	182,168,850
Operating expenses:			
Aircraft operation and maintenance.....	82,078,226	26,190,502	108,268,728
Ground operation and maintenance.....	34,395,356	4,618,683	39,014,039
Traffic.....	15,637,247	512,618	16,149,865
General administration.....	7,200,914	3,176,419	10,377,333
General taxes.....	688,142	83,873	772,015
Total operating expenses.....	139,999,885	34,582,095	174,581,980
Operating income (or loss).....	5,611,928	1,974,942	7,586,870
Add non-operating income.....	1,336,329	254,029	1,590,358
Gross income.....	6,948,257	2,228,971	9,177,228
Deduct interest and other income charges.....	1,871,028	379,582	2,250,610
Net income before income taxes.....	5,077,229	1,849,389	6,926,618
Deduct provision for income taxes.....	1,722,197	504,835	2,227,032
Net income (or deficit) after income taxes.....	3,355,032	1,344,554	4,699,586
Operating ratio.....	96.1	94.6	95.8

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, 1956

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans-Canada Air Lines	Total
Miles scheduled.....	5,150,629	604,697	686,560	1,033,196 ³	107,328	28,278,359	35,860,769
Miles flown:							
Revenue:							
Unit toll transportation.....	5,933,448	662,385	2,176,744	1,033,196	439,767	27,800,151	38,065,711
Bulk transportation.....	3,028,439	4,641,184	4,548,864	561,089	1,763,464	60,262	14,623,282
Total revenue.....	8,961,887	5,323,569	6,745,608	1,594,285	2,203,231	27,860,413	52,688,993
Non-revenue.....	345,463	272,305	457,437	64,935	197,693	1,741,130	3,078,963
Total miles flown.....	9,307,350	5,595,874	7,203,045	1,659,200	2,400,944	29,601,543	55,767,956
Hours flown:							
Revenue:							
Unit toll transportation.....	38,102	4,713	17,642	7,321	4,034	133,801	205,613
Bulk transportation.....	19,485	26,140	32,680	3,935	14,337	317	96,894
Other flying services.....	—	421	4,385	—	—	9	4,815
Total revenue.....	57,587	31,274	54,707	11,256	18,371	134,127	307,322
Non-revenue.....	2,172	1,742	3,524	524	1,428	9,495	18,885
Total hours flown.....	59,759	33,016	58,231	11,780	19,799	143,622	326,207
Fuel consumed:							
Gasoline..... gals.	6,403,172	5,174,806	3,412,378	1,004,919	1,125,049	40,939,536 ²	58,059,860
Cost..... \$	3,365,302	1,565,005	1,671,242	400,772	635,181	10,521,361 ²	18,158,863
Oil..... gals.	80,213	47,986	90,044	17,819	20,462	391,921 ²	648,445
Cost..... \$	87,153	36,136	103,327	17,559	24,679	416,603 ²	685,457
Average number of employees.....	1,326	465	699	200	221	8,173	11,086
Salaries and wages..... \$	6,175,377	2,556,256	2,798,885	812,149	936,261	35,850,148	49,129,076
Average number of aircraft:							
Owned.....	32	25	53	10	30	66 ²	216
Leased.....	—	—	17	—	—	—	17
Total.....	32	25	70	10	30	66 ²	233
Ratio of miles flown to miles scheduled ¹	97.7	87.3	94.9	100.0	75.4	95.6	95.8
Revenue passenger load factor—scheduled.....	57.2	33.3	51.4	37.8	4	72.4	69.2

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, 1956

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Miles scheduled.....	Not applicable			
Miles flown:				
Revenue:				
Unit toll transportation	1,434,162	291,499	3,995	1,729,656
Bulk transportation	23,126,198	2,668,329	1,798,752	27,593,279
Total revenue	24,560,360	2,959,828	1,802,747	29,322,935
Non-revenue	1	1	1	1
Total miles flown	1	1	1	1
Hours flown:				
Revenue:				
Unit toll transportation	11,958	3,140	57	15,155
Bulk transportation	201,991	26,447	17,390	245,828
Other flying services	58,829	9,127	15,149	83,105
Total revenue	272,778	38,714	32,596	344,088
Non-revenue	12,450	2,359	1,995	16,804
Total hours flown	285,228	41,073	34,591	360,892
Fuel consumed:				
Gasoline	10,481,539 gals.	566,418	294,933	11,342,890
Cost	4,096,996 \$	251,953	145,154	5,094,103
Oil	150,184 gals.	9,172	4,894	164,250
Cost	184,622 \$	11,233	8,253	204,108
Average number of employees	2,037	225	122	2,384
Salaries and wages	9,384,111 \$	831,468	320,423	10,536,002
Average number of aircraft:				
Owned	366	90	77	533
Leased	32	7	7	46
Total	398	97	84	579
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, 1956

	T.C.A. Services	C.P.A. Services	Total
Miles scheduled.....	4,389,363	5,153,950	9,523,313
Miles flown:			
Revenue:			
Unit toll transportation	4,448,756	5,102,387	9,551,143
Bulk transportation	36,738	115,698	152,436
Total revenue	4,485,494	5,218,085	9,703,579
Non-revenue	150,433	208,977	359,410
Total miles flown	4,635,927	5,427,062	10,062,989
Hours flown:			
Revenue:			
Unit toll transportation	17,784	19,331	37,115
Bulk transportation	138	453	591
Other flying services	—	—	—
Total revenue	17,922	19,784	37,706
Non-revenue	599	788	1,387
Total hours flown	18,521	20,572	39,093
Fuel consumed:			
Gasoline	6,907,552 gals.	7,120,045	14,027,597
Cost	2,049,257 \$	2,282,750	4,332,007
Oil	124,021 gals.	65,958	189,979
Cost	93,719 \$	69,904	163,623
Average number of employees	639	739	1,378
Salaries and wages	2,702,544 \$	2,873,209	5,575,753
Average number of aircraft:			
Owned	7	6	13
Leased	—	—	—
Total	7	6	13
Ratio of miles flown to miles scheduled ¹	99.0	97.9	98.4
Revenue passenger load factor - scheduled	72.5	49.1	59.5

1. Includes miles flown on regular scheduled flights only.

TABLE 12. Transportation Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1956

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Passengers Carried:							
Revenue:							
Scheduled:							
Originated	192,511	29,885	76,512	126,501	2,034	1,338,939	1,766,432
Domestic interline	15,815	3,030	—	—	—	160,823	13,845
Foreign interline	4,885	—	—	—	—	—	165,708
Division interline	—	—	—	—	—	51,307	51,307
Non-scheduled	2,609	2,243	58,303	—	6,048	—	69,203
Total unit toll transportation	215,820	35,158	134,815	126,501	8,132	1,551,569	2,071,995
Bulk transportation	17,592	45,095	41,034	7,215	7,738	5,421	124,095
Total revenue	233,412	30,253	175,849	133,716	15,870	1,556,990	2,196,090
Non-revenue	3,407	1,973	2,244	748	290	1	8,662
Total passengers carried	236,819	82,226	178,093	134,464	16,160	1,556,990	2,204,752
Passenger miles — Unit toll transportation:							
Revenue	94,235,203	6,003,441	16,531,116	10,807,032	1,114,320	312,332,988	941,074,130
Non-revenue	2,383,856	153,643	356,294	134,750	11,623	38,609,074	41,649,230
Total passenger miles	96,619,139	6,157,084	16,937,400	10,941,782	1,125,943	850,942,062	982,723,410
Freight carried (lbs.):							
Revenue:							
Scheduled:							
Originated	6,819,511	—	351,919	—	30,937	11,457,816	18,660,183
Domestic interline	1,307	—	—	—	—	—	1,307
Foreign interline	28,560	—	—	—	—	—	28,566
Division interline	619	—	—	—	—	2,657,809	2,658,428
Non-scheduled	12,178	—	410,920	—	935,912	—	1,359,018
Total unit toll transportation	6,862,181	—	762,847	—	966,849	14,115,625	22,707,502
Bulk transportation	23,495,305	30,615,258	17,793,094	4,983,407	16,620,137	195,328	93,702,529
Total revenue	30,357,486	30,615,258	18,555,941	4,983,407	17,586,986	14,310,953	110,410,031
Non-revenue	893,501	895,428	223,083	—	188,248	3,101,180	5,301,440
Total freight carried	31,250,987	31,510,686	18,779,024	4,983,407	17,775,234	17,412,133	121,711,471
Freight ton miles — Unit toll transportation:							
Revenue	1,652,596	—	68,842	—	57,844	7,032,085	8,811,367
Non-revenue	347,280	—	5,561	—	8,107	1,653,590	2,014,538
Total freight ton miles	1,999,876	—	74,403	—	65,951	8,685,675	10,825,905
Express carried (lbs.):							
Revenue:							
Scheduled:							
Originated	1,678,313	690,804	—	3,670,187	—	4,766,117	10,805,421
Domestic interline	—	77,896	—	—	—	—	77,896
Foreign interline	—	—	—	—	—	—	—
Division interline	—	—	—	—	—	382,426	382,426
Non-scheduled	5,145	56,246	365	—	—	—	61,756
Total unit toll transportation	1,683,458	824,946	365	3,670,187	—	5,148,543	11,327,499
Express ton miles — Unit toll transportation	451,085	198,140	29	294,197	—	2,170,634	3,114,085
Excess baggage carried (lbs.):							
Revenue:							
Scheduled:							
Originated	648,842	62,248	113,690	558,960	5,989	1,681,639	3,071,368
Domestic interline	23,937	—	—	—	—	8,069	32,006
Foreign interline	7,829	—	—	—	—	50,784	58,413
Division interline	—	—	—	—	—	139,303	139,303
Non-scheduled	5,836	29,564	64,197	—	29,034	—	128,631
Total unit toll transportation	686,244	91,812	177,887	558,960	35,023	1,880,295	3,430,221
Excess baggage ton miles — Unit toll transportation	186,392	15,042	17,492	42,503	617	454,114	716,160
Mail carried (lbs) — Unit toll transportation	2,732,084	830,414	149,717	853,421	310,805	17,254,838	22,131,279
Mail ton miles — Unit toll transportation	685,030	77,113	13,790	32,201	21,833	7,031,305	7,861,272
Available seat miles — Scheduled	158,219,436	14,605,945	18,058,665	28,592,152	1	1,121,267,130	1,340,743,348
Available ton miles — Scheduled	18,706,389	1,521,749	1,770,660	3,183,343	1	165,237,430	190,419,571

1. Not available.

TABLE 13. Transportation Statistics of Domestic Services of Canadian Non-scheduled Air Carriers, 1956

	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.....	25,544	17,979	119	43,642
Total unit toll transportation.....	25,544	17,979	119	43,642
Bulk transportation.....	317,510	48,167	32,323	398,000
Total revenue.....	343,054	66,146	32,442	441,642
Non-revenue.....	3,291	35,990	402	39,683
Total passengers carried.....	346,345	102,136	32,541	481,325
Passenger miles - Unit toll transportation:				
Revenue.....	3,584,792	1,770,904	33,311	5,389,007
Non-revenue.....	113,665	904	310	114,879
Total passenger miles.....	3,697,457	1,771,808	34,621	5,503,886
Freight carried (lbs):				
Revenue:				
Scheduled:				
Originated.....		Not applicable		
Domestic interline.....				
Foreign interline.....				
Division interline.....				
Non-scheduled.....	9,191,963	122,168	1,260	9,315,391
Total unit toll transportation.....	9,191,963	122,168	1,260	9,315,391
Bulk transportation.....	144,561,942	6,003,511	2,580,784	153,146,237
Total revenue.....	153,753,905	6,125,679	2,582,044	162,461,628
Non-revenue.....	1,052,263	-	12,090	1,064,353
Total freight carried.....	154,806,168	6,125,679	2,594,134	163,525,981
Freight ton miles - Unit toll transportation:				
Revenue.....	210,023	3,620	291	213,934
Non-revenue.....	23,834	-	-	23,834
Total freight ton miles.....	233,857	3,620	291	237,768
Express carried (lbs):				
Revenue:				
Scheduled:				
Originated.....		Not applicable		
Domestic interline.....				
Foreign interline.....				
Division interline.....				
Non-scheduled.....	1,061,252	51,430	-	1,112,682
Total unit toll transportation.....	1,061,252	51,430	-	1,112,682
Express ton miles - Unit toll transportation.....	235,378	3,356	-	238,734
Excess baggage carried (lbs):				
Revenue:				
Scheduled:				
Originated.....		Not applicable		
Domestic interline.....				
Foreign interline.....				
Division interline.....				
Non-scheduled.....	29,696	53,563	-	83,259
Total unit toll transportation.....	29,696	53,563	-	83,259
Excess baggage ton miles unit toll transportation.....	4,752	3,326	-	8,078
Mail carried (lbs) - Unit toll transportation.....	1,160,515	122,194	-	1,282,709
Mail ton miles - Unit toll transportation.....	82,993	6,070	-	89,063
Available seat miles - Scheduled.....		Not applicable		
Available ton miles - Scheduled.....				

TABLE 14. Transportation Statistics of Atlantic and Pacific Services of Canadian Scheduled Air Carriers, 1956

	T. C. A. Services	C. P. A. Services	Total
Passengers carried:			
Revenue:			
Scheduled:			
Originated	86,230	30,112	116,342
Domestic interline	—	1,813	1,813
Foreign interline	—	6,406	6,406
Division interline	124	—	124
Non-scheduled	—	—	—
Total unit toll transportation	86,354	38,331	124,685
Bulk transportation	698	975	1,671
Total revenue	87,050	39,306	126,356
Non-revenue	1	917	917
Total passengers carried	87,050	40,223	127,273
Passenger miles — Unit toll transportation:			
Revenue	186,436,076	158,409,928	344,846,004
Non-revenue	10,475,209	4,080,326	14,555,535
Total passenger miles	196,911,285	162,490,254	359,401,539
Freight carried (lbs.):			
Revenue:			
Scheduled:			
Originated	2,287,202	287,527	2,574,729
Domestic interline	—	91,905	91,905
Foreign interline	—	241,839	241,839
Division interline	4,020	537	4,557
Non-scheduled	—	—	—
Total unit toll transportation	2,291,222	621,808	2,913,030
Bulk transportation	—	36,937	36,937
Total revenue	2,291,222	658,745	2,949,967
Non-revenue	339,388	151,492	490,880
Total freight carried	2,630,610	810,237	3,440,847
Freight ton miles — Unit toll transportation:			
Revenue	3,323,516	2,457,313	5,780,829
Non-revenue	437,100	371,561	808,661
Total freight ton miles	3,760,616	2,828,874	6,589,490
Express carried (lbs.):			
Revenue:			
Scheduled:			
Originated	—	—	—
Domestic interline	—	—	—
Foreign interline	—	—	—
Division interline	—	—	—
Non-scheduled	—	—	—
Total unit toll transportation	—	—	—
Express ton miles — Unit toll transportation	—	—	—
Excess baggage carried (lbs.):			
Revenue:			
Scheduled:			
Originated	193,229	56,812	249,841
Domestic interline	—	2,403	2,403
Foreign interline	—	10,389	10,389
Division interline	175	—	175
Non-scheduled	—	—	—
Total unit toll transportation	193,404	69,404	262,808
Express baggage ton miles — Unit toll transportation	184,335	124,271	308,606
Mail carried (lbs.) — Unit toll transportation	842,756	131,794	974,550
Mail ton miles — Unit toll transportation	1,362,303	361,958	1,724,261
Available seat miles — Scheduled	256,989,947	322,949,787	579,939,634
Available ton miles — Scheduled	36,497,514	32,725,055	69,222,569

1. Not available.

TABLE 15. Revenues and Expenses of Canadian Scheduled Air Carriers, 1956

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Air Lines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines ²	Total
	\$	\$	\$	\$	\$	\$	\$
Operating revenues:							
Unit toll transportation:							
Passengers	17,088,413	584,847	1,889,180	1,230,648	174,938	74,478,516	95,446,542
Mail	1,876,661	202,219	62,539	63,711	58,776	8,869,934	11,133,840
Freight	1,766,057	—	102,907	—	88,586	3,939,375	5,896,925
Express	419,069	122,363	—	299,910	—	2,071,022	2,912,364
Excess baggage	279,051	12,172	34,378	49,736	3,885	758,998	1,138,220
Total unit toll transportation	21,429,251	921,601	2,089,004	1,644,005	326,185	90,117,845	116,527,891
Bulk transportation	6,378,842	8,563,933	7,882,246	1,050,028	2,685,534	250,597	26,611,160
Other flying services	—	70,110	303,188	—	—	2,414	375,712
Total flying services	27,808,093	9,555,644	10,274,438	2,694,033	3,011,719	90,370,856	143,714,783
Non-flying services	215,853	485,509	155,692	1,636	103,150	935,190	1,897,030
Total operating revenues	28,023,946	10,041,153	10,430,130	2,695,669	3,114,869	91,306,046	145,611,813
Operating expenses:							
Aircraft operation and maintenance	17,955,886	6,521,738	7,542,634	1,614,471	2,458,791	45,984,706	82,078,226
Ground operation and maintenance	4,624,666	837,685	1,345,061	564,690	386,708	26,638,546	34,395,356
Traffic	2,867,301	102,683	470,986	157,280	31,547	12,007,441	15,637,247
General administration	1,611,902	478,330	556,678	281,357	230,790	4,041,857	7,200,914
General taxes	112,398	15,052	16,487	9,168	8,472	526,565	688,142
Total operating expenses	27,172,153	7,955,488	9,931,846	2,626,975	3,116,308	89,197,115	139,999,885
Operating income (or loss)	851,793	2,085,665	498,284	68,694	Dr. 1,439	2,108,931	5,611,928
Add non-operating income	339,579	519	75,167	—	275,292	645,772	1,336,329
Gross income	1,191,372	2,066,184	573,451	68,694	273,853	2,754,703	6,948,257
Deduct interest and other income charges	184,139	97,344	391,054	—	—	1,198,491	1,871,028
Net income before income taxes	1,007,233	1,968,840	182,397	68,694	273,853	1,556,212	5,077,229
Deduct provision for income taxes	482,389	1,154,164	23,800	61,844	—	—	1,722,197
Net income (or deficit) after income taxes	524,844	834,676	158,597	6,850	273,853	1,556,212	3,355,032
Operating ratio	97.0	79.2	95.2	96.7	100.0	97.7	96.1

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, 1956

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
	\$	\$	\$	\$
Operating revenues:				
Unit toll transportation:				
Passengers	463,086	250,388	530	734,004
Mail	374,784	24,227	—	399,011
Freight	209,534	9,181	—	218,715
Express	105,319	12,365	—	117,684
Excess baggage	5,488	7,291	—	12,779
Total unit toll transportation	1,178,211	303,452	530	1,482,193
Bulk transportation	24,458,199	1,368,078	798,132	26,624,409
Other flying services	5,783,715	489,476	475,185	6,748,376
Total flying services	31,420,125	2,161,006	1,273,847	34,854,978
Non-flying services	1,335,715	233,135	133,209	1,702,059
Total operating revenues	32,755,840	2,394,141	1,407,056	36,557,037
Operating expenses:				
Aircraft operation and maintenance	23,868,729	1,525,944	795,829	26,190,502
Ground operation and maintenance	3,948,518	415,602	254,563	4,618,683
Traffic	464,208	23,882	24,528	512,618
General administration	2,732,774	292,596	151,049	3,176,419
General taxes	53,190	17,793	12,890	83,873
Total operating expenses	31,067,419	2,275,817	1,238,859	34,582,095
Operating income (or loss)	1,688,421	118,324	168,197	1,974,942
Add non-operating income	222,064	1,785	30,180	254,029
Gross income	1,910,485	120,109	198,377	2,228,971
Deduct interest and other income charges	336,506	14,773	28,303	379,582
Net income before income taxes	1,573,979	105,336	170,074	1,849,389
Deduct provision for income taxes	484,255	28,274	12,306	504,835
Net income (or deficit) after income taxes	1,109,724	77,062	157,768	1,344,554
Operating ratio	94.8	95.1	88.0	94.6

TABLE 17. Employees, Salaries and Wages of Canadian and Foreign Air Carriers, 1956

Canadian carriers	Employees	Salaries and wages	Companies	Employees	Salaries and wages
		\$			\$
General officers	940	6,644,877	Canadian Pacific Air Lines ¹	2,067	9,048,586
Clerks and stenographers	1,872	5,555,099	Maritime Central Airways	465	2,556,256
Pilots	1,506	12,236,528	Pacific Western Airlines	699	2,798,885
Co-pilots	318	1,673,449	Quebecair Inc.	200	812,149
Despatchers	193	952,115	Transair Ltd.	221	936,261
Communication operators	900	2,959,668	Trans-Canada Air Lines ¹	8,812	38,552,692
Stewards or other attendants	604	2,080,080	Total Scheduled	12,464	54,704,829
Air engineers	903	4,317,039	Class "B" carriers	2,037	9,384,111
Mechanics	3,074	12,800,906	Class "C" carriers	225	831,468
Airport employees	2,122	7,363,529	Class "D" carriers	122	320,423
Stores employees	407	1,318,567	Total Canadian	14,848	65,240,831
Other employees	2,009	7,338,974	Foreign carriers:		
Total	14,848	65,240,831	Trans-border services	280	1,290,017
			Atlantic and Pacific services	283	1,177,269
			Total carriers	15,411	67,708,117

1. Includes Overseas Services.

TABLE 18. Accidents Involving Canadian Air Carriers, 1952-1956¹

	1956 ²	1955 ³	1954	1953	1952		1956 ²	1955 ³	1954	1953	1952
Casualties:						Number of aircraft accidents	262	264	201	174	169
Pilot:						Type of flying:					
Fatal	26	40	18	25	23	Instructional	6	6	2	1	2
Serious	13	17	7	6	13	Practice	26	7	1	3	4
Minor	13	13	5	—	18	Private	151 ⁴	152 ⁴	108	56	87
Crew:						Scheduled	3 ⁴	2 ⁴	4	7	2
Fatal	7	2	2	6	3	Non-scheduled	106 ⁴	107 ⁴	76	71	67
Serious	1	—	3	2	1	State	2 ⁴	3 ⁴	1	1	—
Minor	0	1	1	1	1	Other (including ferry, test, etc.)....	4	5	9	5	7
Passengers:						Probable cause (per cent):					
Fatal	97	42	47	43	26	Personnel	74.8	51.9	52.3	50.0	51.5
Serious	18	26	17	11	13	Material failure	14.6	19.7	20.9	20.7	14.8
Minor	18	16	17	10	24	Weather	1.5	7.6	7.9	5.2	8.9
Other:						Aerodrome terrain or water	5.3	11.0	12.9	12.6	11.2
Fatal	—	2	3	—	—	Miscellaneous	—	2.3	2.0	4.0	4.1
Serious	—	1	—	2	1	Undetermined	3.8	7.5	4.0	7.5	9.5
Minor	1	—	—	1	—						
Operational phase:											
Starting	—	4	1	7	3						
Taxiing	16	30	28	6	11						
Take-off	36	56	37	37	38						
Flight	46	41	31	42	39						
Landing	163	127	101	81	74						
Other	1	6	3	1	4						

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

2. Subject to revision.

3. Revised.

4. Includes instructional, practice, and other flying accidents.

TABLE 19. Personnel and Airport Licences Issued and Aircraft Registered as of December 31, 1956¹

Personnel	In force December 31, 1956	In force December 31, 1955	Aircraft registered	Total December 31, 1956	Total December 31, 1955
Pilots:			Commercial	1,700	1,540
Glider	233	201	Private	1,684	1,466
Private	6,227	5,559	State	157	142
Commercial (old type)	—	—	Grand total	3,541	3,148
Commercial	2,194	1,754			
Senior commercial	382	312	Airports		
Transport	—	—			
Airline transport	831	717			
Air navigators	71	56		In force December 31, 1956	In force December 31, 1955
Air traffic controllers	355	270			
Flight engineers	33	20			
Aircraft maintenance engineers	1,706	1,544		519	495

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

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