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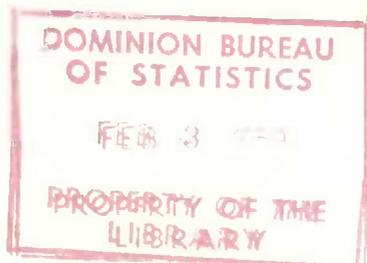
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ANNUAL



CIVIL AVIATION

1957



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CIVIL AVIATION

1957

Operating income of Canadian air carriers dropped sharply in 1957, the decrease to \$629,276 from the record high of \$7,586,870 recorded in 1956 being related in large part to a decline in the bulk transportation business of scheduled airlines following completion of defence projects in the Canadian northland. The drop in earnings occurred despite a 12.2 p.c. increase in the number of passengers flown and a 4.3 p.c. increase in operating revenues. Operating revenues reached a new high of \$190,082,000 but operating expenses climbed more rapidly, rising 8.5 p.c. to \$189,453,000 from \$174,582,000 in 1956. Scheduled airlines reported an operating loss of \$446,101 compared with an operating income of \$5,611,928 in 1956; non-scheduled airlines showed a drop of 45.5 p.c. to \$1,075,377 from \$1,974,942.

Total operating revenues of \$190,082,035 included \$136,551,980 received from unit toll services, up 15.7 p.c. from \$118,010,084 recorded in 1956 and \$40,753,733 from bulk transportation or chartered services, down 23.7 p.c. from \$53,435,589 reported one year earlier; other flying services produced \$7,867,446 in revenues as against \$7,124,088 in 1956 while non-flying services brought in \$4,908,876 compared with \$3,599,089. Revenue from passenger fares continued to be the principal source of income, rising 16.8 p.c. to \$112,295,278 from \$96,180,546. Mail receipts rose 9.8 p.c. to \$12,661,771, earnings from freight carried in unit toll service 18.3 p.c. to \$7,236,191 and excess baggage charges 24.2 p.c. to \$1,429,068. Express receipts on the other hand, declined 3.3 p.c. to \$2,929,672.

All expense accounts shared in the overall increase to \$189,453,000 from \$174,582,000, aircraft operation and maintenance costs rising 6.2 p.c. to \$115,032,598, ground operation and maintenance charges 6.0 p.c. to \$41,350,781, traffic expenses 22.1 p.c. to \$19,714,092, general administration expenses 20.4 p.c. to \$12,495,042 and general taxes 16.4 p.c. to \$860,246.

Revenue passengers totalled 3,726,603 in 1957, an increase of 405,898 or 12.2 p.c. over the 3,320,705 carried in 1956. Revenue unit toll passengers numbered 3,217,266 as against 2,796,841, while passengers carried in bulk or chartered service aggregated 509,337 versus 523,864. Revenue unit toll passenger miles advanced 17.4 p.c. to 1,738 million from 1,481 million indicating an increase in the average passenger journey.

Total revenue goods carried by air dropped 17.4 p.c. to 256,149,122 lb. from 310,003,135 lb., with freight carried in bulk or chartered service down 21.2 p.c. to 194,456,192 lb. from 246,885,703 lb. in 1956. Express declined 16.9 p.c. to 12,121,369 lb. from 14,594,643 while freight carried in unit toll service at 43,627,912 lb. showed little change from 43,781,833 lb. A new all-time record was established for the volume of mail carried, at 28,263,675 lb. some 14.4 p.c. above last year's record of 25,570,279 lb.

Data are also collected relating to the Canadian operations of foreign carriers. During the year foreign carriers transported into or out of Canada a total of 593,317 passengers, 9,399,322 lb. of freight and 2,149,829 lb. of mail. Comparable figures for the previous year are 553,572 passengers, 9,942,801 lb. of freight and 2,344,007 lb. of mail. Mileage data presented for foreign carriers in this report relate to miles flown over Canadian territory only.

The number of revenue miles flown by aircraft of Canadian carriers increased moderately to 104,699,140 from 101,723,710. Of this total, 64,472,262 miles were flown in unit toll service as against 56,067,785 in 1956, and 36,743,407 miles in bulk transportation service as against 42,369,709 the previous year. Total revenue hours flown, also increased, rising 9.8 p.c. to 742,056 from 734,822; of this total 314,075 hours were flown in unit toll service versus 288,120 in 1956, and 298,941 in bulk transportation service versus 343,316.

A total of \$75,313,556 was earned in salaries and wages by 16,014 employees in 1957, compared with \$65,240,831 earned by 14,848 employees in 1956. The average annual salary paid by the industry increased to \$4,703 from \$4,394, a rise of 7.0 p.c. All classes of employees with the exception of co-pilots, communication operators and mechanics showed increases in number and salary.

Accidents involving Canadian air carriers in 1957 totalled 396 as compared with 262 in 1956, according to a report issued by the Civil Aviation Division, Department of Transport. Fatalities numbered 180 as against 130, there being 135 passengers and 40 pilots lost versus 97 passengers and 26 pilots in 1956.

CHART A

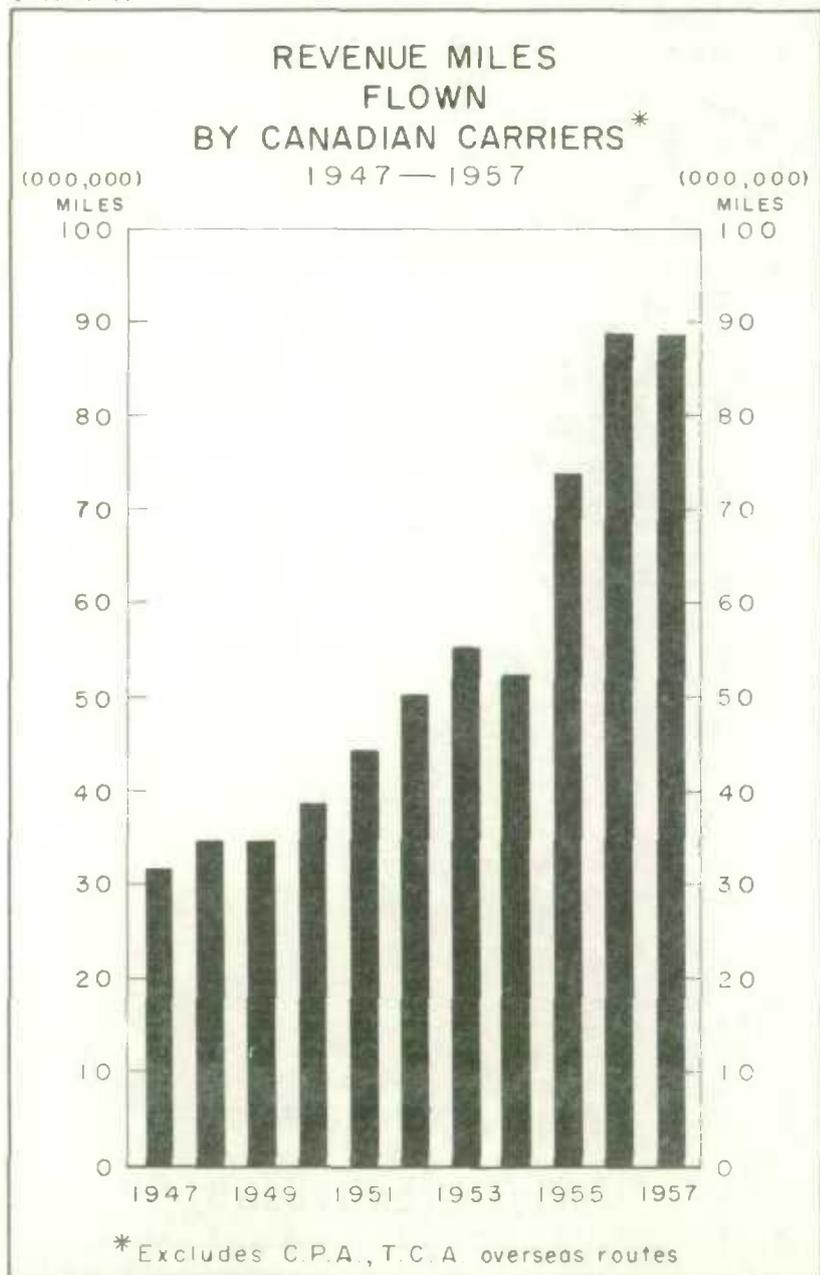


CHART B

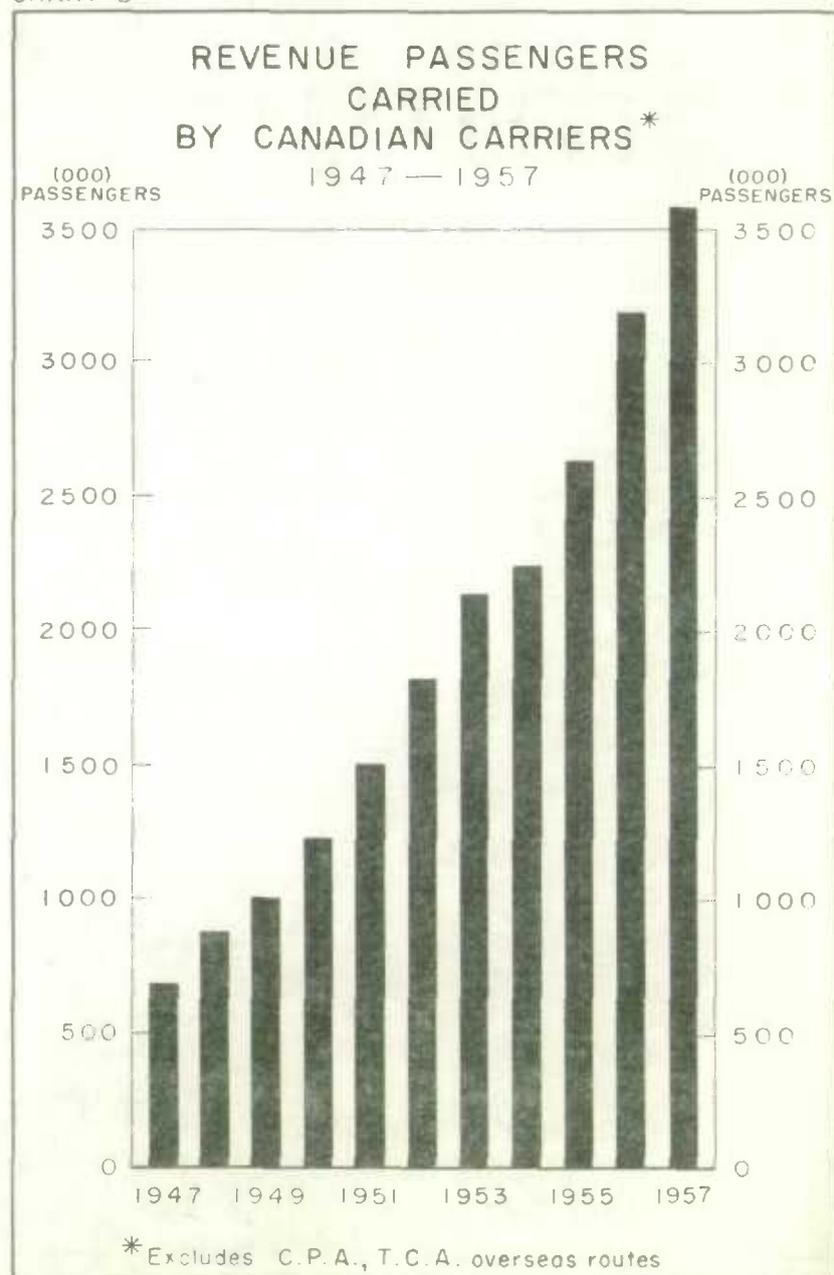
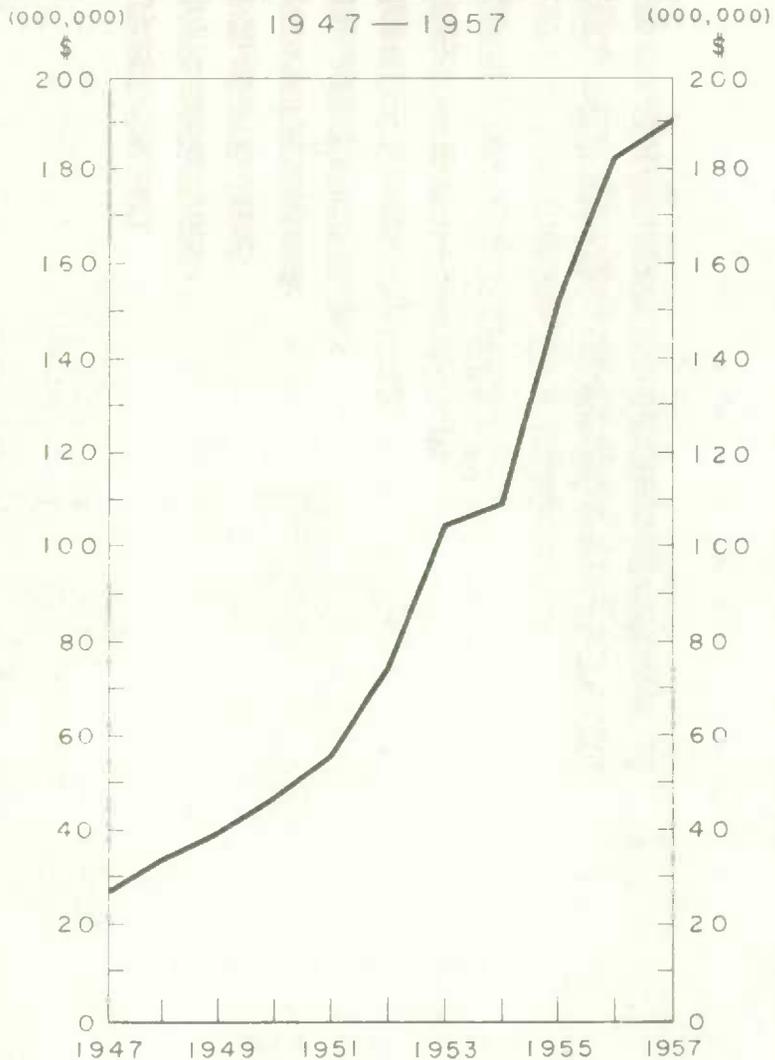


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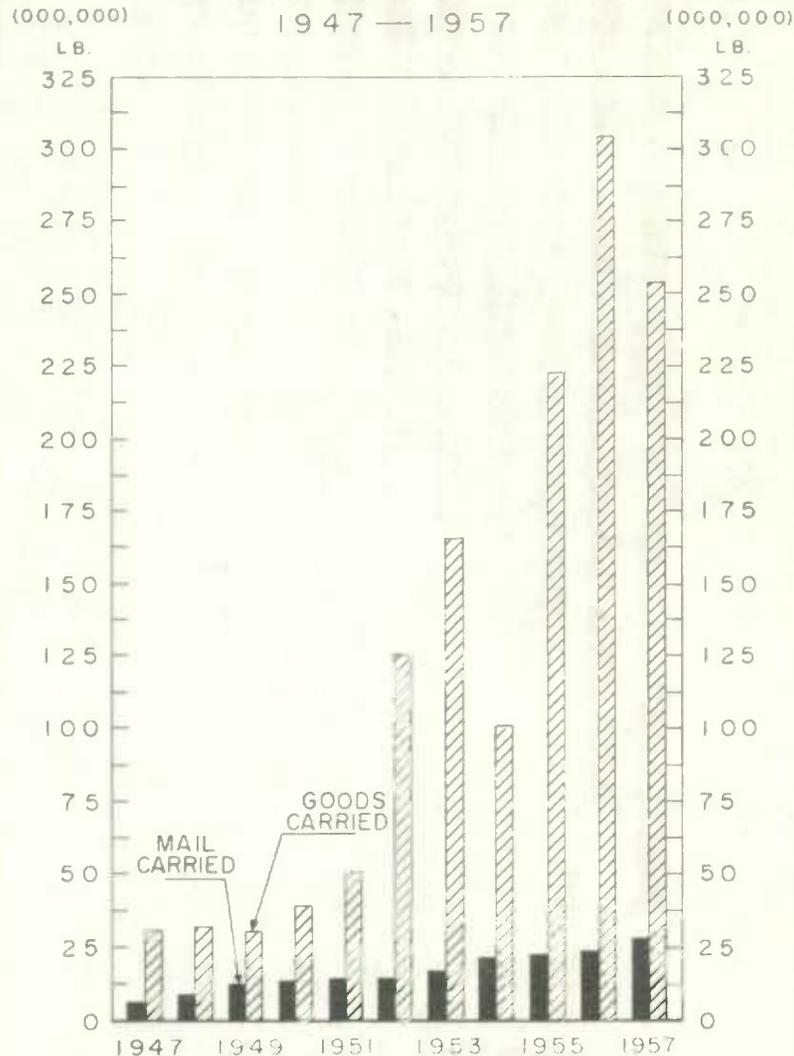
OPERATING REVENUES OF CANADIAN CARRIERS*



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

CHART D

REVENUE GOODS AND MAIL CARRIED BY CANADIAN CARRIERS*



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

TABLE 1. Statistical Summary of Civil Aviation in Canada, 1952-1957

	1957	1956	1955	1954	1953	1952
Miles flown - Revenue	104,699,140	101,723,710	83,805,304	61,582,481	64,076,912	58,775,340
Hours flown:						
Revenue	742,056	734,822	605,913	472,817	498,891	469,877
Non-revenue	40,760	37,567	31,306	21,516	26,044	22,045
Total	782,816	772,389	637,219	494,333	524,935	491,722
Passengers carried:						
Revenue	4,319,920	3,864,818	3,249,099	2,792,348	2,724,432	2,298,194
Non-revenue	35,554	58,721	54,076	73,199	71,405	62,653
Total	4,355,474	3,923,539	3,303,175	2,865,547	2,795,837	2,360,847
Passenger miles:						
Revenue (Unit toll transportation only)	1,835,183,870	1,547,279,882	1,223,825,448	1,066,805,242	942,269,095	805,642,141
Non-revenue " " " "	71,030,597	61,416,920	57,477,989	49,134,404	45,784,828	33,945,124
Total " " " "	1,906,214,467	1,608,696,802	1,281,303,437	1,115,939,646	988,053,923	839,587,265
Goods carried (lbs.):						
Revenue	264,812,177	319,260,401	233,561,830	109,299,356	177,451,345	135,055,106
Non-revenue	7,079,240	7,639,517	7,121,832	5,714,121	5,268,374	5,679,436
Total	271,891,417	326,899,918	240,683,662	115,013,477	182,719,719	140,734,542
Goods ton miles:						
Revenue (Unit toll transportation only)	24,267,406	22,065,286	18,084,169	14,057,279	11,738,487	10,134,861
Non-revenue " " " "	2,998,061	3,039,907	3,477,194	3,379,895	2,796,334	2,519,711
Total " " " "	27,265,467	25,105,193	21,561,363	17,437,174	14,534,821	12,654,572
Mail carried (lbs.) - Unit toll transportation	31,413,504	27,914,288	26,616,505	24,228,571	20,319,952	18,328,310
Mail ton miles - Unit toll transportation	12,021,927	10,238,458	9,048,610	8,239,855	6,419,077	5,725,178
Fuel consumed:						
Gasoline	gal. 112,769,672	102,836,140	77,938,918	53,164,769	51,817,843	45,542,485
Cost	\$ 35,110,535	33,321,107	25,070,432	17,314,786	16,573,706	12,498,175
Oil	gal. 1,220,680	1,212,361	1,006,154	695,642	649,664	547,501
Cost	\$ 1,205,946	1,215,979	960,154	671,069	614,724	490,258
Average number of employees	16,682	15,411	13,783	12,126	11,105	9,748
Salaries and wages	\$ 78,362,795	67,708,117	57,665,410	48,907,525	43,696,008	36,625,014
Operating revenues:						
Unit toll transportation	136,551,980	118,010,084	97,316,012	84,327,398	75,640,718	66,882,826
Bulk transportation	40,753,733	53,435,589	44,543,258	15,149,492	19,664,102	16,952,037
Other revenue services	12,776,322	10,723,177	10,877,748	9,387,399	8,950,680	6,684,438
Total	190,082,035	182,168,850	152,739,018	108,864,289	104,255,500	90,519,295
Operating expenses:						
Aircraft operation and maintenance	115,032,598	108,268,728	90,504,604	59,984,323	60,618,261	51,099,026
Ground operation and maintenance	41,350,781	39,014,039	32,909,216	27,840,216	25,186,828	21,002,448
Traffic, general administration and taxes	33,069,380	27,299,213	23,240,994	19,162,830	17,154,811	14,653,873
Total	189,452,759	174,581,980	146,654,814	106,987,369	102,959,900	86,755,347
Operating income (or loss)	629,276	7,586,870	6,064,204	1,876,920	1,295,600	3,763,948

TABLE 2. General Balance Sheet of Canadian Scheduled Air Carriers, 1957

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans-Canada Air Lines ¹	Total scheduled carriers
	dollars						
Assets:							
Current assets	8,196,591	2,573,285	2,149,818	171,677	1,525,713	22,305,853	36,922,937
Investments	682,992	783,507	1,788,450	70,575	5,144	17,835	3,348,503
Deferred debits	72,277	15,456	80,162	—	224,478	—	392,373
Special funds	—	—	—	297,251	—	5,670,577	5,967,828
Fixed assets (less depreciation)	25,576,546	3,065,360	4,933,735	1,244,769	2,663,993	63,051,049	100,557,452
Total	34,530,406	6,457,608	8,952,165	1,784,272	4,419,328	91,045,314	147,189,093
Liabilities:							
Current liabilities	7,767,391	2,983,161	3,527,145	385,473	1,449,913	18,888,609	35,001,692
Long term debt	2,000,000	22,097	2,259,042	347,713	1,972,728	52,000,000	58,601,580
Deferred credits	1,029,963	113,271	—	273,077	21,970	2,623,306	4,061,587
Reserves	—	84,661	—	20,000	446,976	6,062,291	6,613,928
Capital stock	22,750,000	15,000	1,454,193	125,558	442,997	5,000,000	29,787,748
Surplus	983,052	3,239,418	1,711,765	632,451	84,744	6,471,108	13,122,558
Total	34,530,406	6,457,608	8,952,165	1,784,272	4,419,328	91,045,314	147,189,093

¹ Includes overseas services.

TABLE 3. General Balance Sheet of Canadian Non-scheduled Air Carriers, 1957

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total non-scheduled
dollars				
Assets:				
Current assets	13,703,943	524,843	313,764	14,542,552
Fixed assets (less depreciation)	15,479,780	1,225,644	972,387	17,677,811
Other assets	1,519,956	173,137	279,359	1,972,462
Total	30,703,689	1,923,626	1,565,510	34,192,825
Liabilities:				
Current liabilities	11,125,677	621,853	330,296	12,077,826
Other liabilities	10,378,338	806,050	568,108	11,752,505
Incorporated companies:				
Capital stock	4,061,138	480,987	358,919	4,901,044
Surplus	5,004,726	Dr. 105,113	22,062	4,921,675
Non-incorporated businesses - net worth	133,810	119,840	286,125	539,775
Total	30,703,689	1,923,626	1,565,510	34,192,825

TABLE 4. Property Account of Selected Canadian Air Carriers as at End of 1957

	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
dollars									
Property and equipment:									
Aircraft	13,309,653 ¹	1,673,823	2,541,579	571,785	1,286,021	36,972,899	56,355,765	8,738,247	65,094,012
Aircraft engines	3,138,029	324,421	568,243	38,142	541,739	7,912,390	12,522,964	1,749,353	14,272,317
Motor vehicles and floating equip- ment	24,127	33,056	32,496	36,384	33,338	1,286,601	1,496,002	255,523	1,751,525
Aircraft communication equipment ..	—	19,045	124,931	25,928	22,092	1,013,254	1,205,250	—	1,205,250
Communication equipment (ground) ..	—	20,350	45,251	18,271	41,041	89,403	214,316	—	214,316
Miscellaneous flying equipment	1,007,531	12,301	14,863	2,091	4,639	—	1,041,425	531,784	1,573,209
Shop and hangar equipment	269,720	60,919	123,915	47,122	41,316	1,631,025	2,174,018	254,919	2,428,937
Fuel storage and distribution equip- ment	—	78	2,346	—	—	—	2,424	—	2,424
Furniture, fixtures and office equip- ment	75,379	31,653	105,724	39,288	31,625	1,528,037	1,811,705	239,107	2,050,813
Airport lighting equipment	—	—	—	—	—	—	—	—	—
Miscellaneous ground equipment	155,497	17,835	56,941	15,688	—	966,699	1,212,660	280,599	1,493,259
Buildings	2,251,737	884,546	201,160	423,192	653,883	5,463,516	9,878,034	2,790,418	12,668,452
Appraisal increase	—	—	374,889	—	—	—	374,889	—	374,889
Total net value	20,231,678	3,078,027	4,242,338	1,217,891	2,655,694	56,863,825	88,289,453	14,839,950	103,129,403
Additions, retirements, depreciation:									
Cost value of assets:									
At beginning of year	21,393,234	5,876,606	4,078,390	2,242,676	3,047,421	77,431,673	114,070,000	21,654,074	135,724,074
Additions during the year	9,933,816	1,948,429	2,101,072	140,916	765,026	23,347,391	38,236,650	8,270,568	46,507,218
Retirements during year	1,671,907	1,722,483	595,318	364,094	467,024	1,503,832	6,324,658	2,278,838	8,603,496
At end of year	29,655,143	6,102,552	5,584,144	2,019,498	3,345,423	99,275,232	145,981,992	27,645,804	173,627,796
Accrued depreciation:									
At beginning of year	8,882,787	3,010,239	813,277	733,868	1,013,290	37,056,034	51,509,495	9,540,055	61,049,550
Decreases	1,723,928	819,180	126,933	151,143	529,880	1,452,391	4,803,455	304,269	5,107,724
Provision for depreciation - cur- rent year	2,264,506	833,466	655,462	218,882	200,319	6,807,764	10,986,499	3,570,068	14,556,567
At end of year	9,423,465	3,024,525	1,341,806	801,607	689,729	42,411,407	57,692,539	12,805,854	70,498,393
Total net value	20,231,678	3,078,027	4,242,338	1,217,891	2,655,694	56,863,825	88,289,453	14,839,950	103,129,403

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, 1957

	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
	dollars								
Credit balance at beginning of year.....	1,096,276	2,393,461	548,016	775,716	343,343	6,267,011	11,423,823	4,249,855	15,673,678
Additions:									
Net income for the year.....	—	518,928	68,063	—	—	404,674	991,665	1,240,829	2,232,494
Miscellaneous credits.....	1,544,528	133,929	—	80,061	33,764	—	1,792,282	272,217	2,064,499
Total additions.....	1,544,528	652,857	68,063	80,061	33,764	404,674	2,783,947	1,513,046	4,296,993
Deductions:									
Deficit for the year.....	1,657,752	—	—	150,442	235,442	—	2,043,636	470,312	2,513,948
Miscellaneous debits.....	—	104,500	—	69,761	68,134	200,577	442,972	434,391	877,363
Dividends.....	—	97,500	69,537	3,123	7,287	—	177,447	54,153	231,600
Deductions from net worth.....	—	—	—	—	—	—	—	26,591	26,591
Total deductions.....	1,657,752	202,000	69,537	223,326	310,863	200,577	2,664,055	985,447	3,649,502
Credit balance at end of year.....	983,052	2,844,318	546,542	632,451	66,244	6,471,108	11,543,715	4,777,454	16,321,169

¹ Includes overseas services.

TABLE 6. Operating Statistics of Canadian and Foreign Air Carriers, 1957

	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.....	41,729,039	2,959,770	7,387,017	12,396,436	64,472,262	1,876,264	1,577,061	67,925,587
Bulk transportation.....	9,369,036	27,184,504	3,569	186,298	36,743,407	2,520	27,626	36,773,553
Total revenue miles flown.....	51,098,075	30,144,274	7,390,586	12,582,734	101,215,669	1,878,784	1,604,687	104,699,140
Non-revenue:								
Unit toll transportation.....	213,624	20,546	31,990	47,915	314,075	9,466	6,176	329,717
Bulk transportation.....	65,874	232,291	16	760	298,941	10	117	299,068
Other flying services.....	8,734	104,537	—	—	113,271	—	—	113,271
Total revenue.....	288,232	357,374	32,006	48,675	726,287	9,476	6,293	742,056
Non-revenue.....	18,648	19,652	279	2,062	40,641	109	10	40,760
Total hours flown.....	306,880	377,026	32,285	50,737	766,928	9,585	6,303	782,816
Fuel consumed:								
Turbo fuel..... gal.	27,682,221	—	1	1,369	27,683,590	—	—	27,683,590
Cost..... \$	4,622,577	—	1	223	4,622,800	—	—	4,622,800
Gasoline..... gal.	35,881,670	12,796,731	1	18,219,926	66,898,327	9,509,911 ²	8,679,213 ²	85,087,451
Cost..... \$	13,496,468	5,416,725	1	5,815,644	24,728,837	3,092,038	2,666,860	30,487,735
Oil for turbo aircraft..... gal.	8,124	—	1	—	8,124	—	—	8,124
Cost..... \$	123,306	—	1	—	123,306	—	—	123,306
Oil for other aircraft..... gal.	545,062	187,682	1	260,130	992,874	115,403 ³	104,279 ²	1,212,556
Cost..... \$	462,454	231,503	1	216,230	910,187	90,520	81,933	1,082,640
Average number of employees.....	11,699	2,779	1	1,536	16,014	291	377	16,882
Salaries and wages..... \$	55,568,982	12,417,174	1	7,327,400	75,313,556	1,437,409	1,611,830	78,362,795
Average number of aircraft:								
Owned.....	225	522	1	17	764			764
Leased.....	21	45	1	—	66	Not applicable	Not applicable	66
Total.....	246	567	1	17	830			830
Ratio of miles flown to miles scheduled ¹ ..	97.2	Not applicable	96.9	99.2	97.6	96.1	97.8	97.6
Revenue passenger load factor—scheduled	67.1	Not applicable	75.6	59.6	63.6	33.6	52.6	62.0

¹ Included in scheduled domestic services.² Gasoline and oil taken on in Canada.³ Includes miles flown on regular scheduled flights only.

TABLE 7. Transportation Statistics of Canadian and Foreign Air Carriers, 1957

	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	2,324,732	69,124	665,041	158,319	3,217,266	514,281	75,938	3,807,485
Bulk transportation	94,063	412,518	285	2,471	509,337	435	2,663	512,435
Total revenue	2,418,845	481,642	665,326¹	160,790	3,726,603	514,716	78,601	4,319,920
Non-revenue	7,001	16,632	²	2,178	25,811	7,863	1,880	35,554
Total passengers carried	2,425,846	498,274	665,326	162,968	3,752,414	522,579	80,481	4,355,474
Passenger miles - Unit toll transportation:								
Revenue	1,064,051,291	9,140,612	225,937,890	438,452,451	1,737,582,244	29,748,486	67,853,140	1,835,183,870
Non-revenue	45,319,353	483,597	3,013,159	20,281,685	69,097,794	746,578	1,186,225	71,030,597
Total passenger miles	1,109,370,644	9,624,209	228,951,049	458,734,136	1,806,680,038	30,495,064	69,039,365	1,906,214,467
Freight carried (lbs.):								
Revenue:								
Unit toll transportation	28,492,468	3,074,662	8,977,813	3,082,969	43,627,912	6,855,781	1,807,274	52,290,967
Bulk transportation	36,544,804	157,911,388	-	-	194,456,192	-	-	194,456,192
Total revenue	65,037,272	160,986,050	8,977,813³	3,082,969	238,064,104	6,855,781	1,807,274	246,747,159
Non-revenue	4,350,596	1,280,860	122,476	589,041	6,342,973	391,816	344,451	7,079,240
Total freight carried	69,387,868	162,266,910	9,100,289	3,672,010	244,427,077	7,247,597⁴	2,151,725⁴	253,826,399
Freight ton miles - Unit toll transportation:								
Revenue	10,295,126	488,881	1,567,127	6,036,038	18,387,172	248,298	620,616	19,256,086
Non-revenue	1,587,068	99,454	20,324	1,038,130	2,844,976	52,183	100,902	2,998,061
Total freight ton miles	11,982,194	588,335	1,587,451	7,074,168	21,232,148	300,481⁵	721,518⁶	22,234,147
Express carried (lbs.) - Unit toll transportation	9,677,030	747,230	1,697,109 ⁶	-	12,121,369	⁷	⁸	12,121,369
Express ton miles - Unit toll transportation	3,208,247	168,908	294,136	-	3,671,291	⁸	⁸	3,671,291
Excess baggage carried (lbs.) - Unit toll transportation	4,287,556	178,139	1,146,210 ⁹	331,744	5,943,649	⁷	⁷	5,943,649
Excess baggage ton miles - Unit toll transportation	898,190	32,007	14,277	395,555	1,340,029	⁸	⁸	1,340,029
Mail carried (lbs.) - Unit toll transportation	24,474,267	1,640,032	1,664,369	1,285,007	29,263,675	1,458,313	691,516	31,413,504
Mail ton miles - Unit toll transportation	8,662,581	108,383	342,293	2,300,270	11,413,507	52,432	555,988	12,021,927

¹ Includes 72,567 division interline passengers.² Not available.³ Includes 320,016 lbs. division interline freight.⁴ Includes express and excess baggage.⁵ Includes express and excess baggage ton miles.⁶ Includes 35,164 lbs. division interline express.⁷ Included in freight carried.⁸ Included in freight ton miles.⁹ Includes 147,719 lbs. division interline excess baggage.

TABLE 8. Revenues and Expenses of Canadian Air Carriers, 1957¹

	Canadian carriers		
	Scheduled ²	Non-scheduled	Total
	dollars		
Operating revenues:			
Unit toll transportation:			
Passengers	110,963,136	1,332,142	112,295,278
Mail	12,192,480	469,291	12,661,771
Freight	6,854,603	381,588	7,236,191
Express	2,819,384	110,288	2,929,672
Excess baggage	1,380,970	48,098	1,429,068
Total unit toll transportation	134,210,573	2,341,407	136,551,980
Bulk transportation	14,186,739	26,566,994	40,753,733
Other flying services	255,839	7,611,607	7,867,446
Total flying services	148,653,151	36,520,008	185,173,159
Non-flying services	2,561,126	2,347,750	4,908,876
Total operating revenues	151,214,277	36,867,758	190,082,035
Operating expenses:			
Aircraft operation and maintenance	87,501,567	27,531,031	115,032,598
Ground operation and maintenance	35,415,588	5,935,193	41,350,781
Traffic	18,973,478	740,614	19,714,092
General administration	9,016,231	3,478,811	12,495,042
General taxes	753,514	106,732	860,246
Total operating expenses	151,660,378	37,792,381	189,452,759
Operating income (or loss)	Dr. 446,101	1,075,377	629,276
Add non-operating income	1,258,936	364,483	1,623,419
Gross income	812,835	1,439,860	2,252,695
Deduct interest and other income charges	2,158,231	502,915	2,661,146
Net income before income taxes	Dr. 1,345,396	936,945	Dr. 408,451
Deduct provision for income taxes	Cr. 293,423	437,869	144,446
Net income (or deficit) after income taxes	Dr. 1,051,973	499,076	Dr. 552,897
Operating ratio	100.3	97.2	99.7

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, 1957

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Air Lines	Quebecair Inc.	Transair Ltd.	Trans-Canada Air Lines	Total
Miles scheduled	4,897,992	725,910	658,883 ¹	1,284,901 ¹	158,178	31,218,844	38,944,708
Miles flown:							
Revenue:							
Unit toll transportation	5,662,490	802,460	1,882,110	1,284,901	889,813	31,207,265	41,729,039
Bulk transportation	648,352	3,262,917	3,827,463	44,204	1,507,817	78,283	9,369,036
Total revenue	6,310,842	4,065,377	5,709,573	1,329,105	2,397,630	31,285,548	51,098,075
Non-revenue	195,680	166,898	380,297	73,938	145,656	2,196,202	3,158,671
Total miles flown	6,506,522	4,232,275	6,089,870	1,403,043	2,543,286	33,481,750	54,256,746
Hours flown:							
Revenue:							
Unit toll transportation	35,739	5,425	14,892	8,889	6,790	141,889	213,624
Bulk transportation	4,331	17,439	30,184	302	13,255	363	65,874
Other flying services	—	460	8,264	—	—	10	8,734
Total revenue	40,070	23,324	53,340	9,191	20,045	142,262	288,232
Non-revenue	1,394	1,046	3,146	631	1,102	11,329	18,648
Total hours flown	41,464	24,370	56,486	9,822	21,157	153,591	306,880
Fuel consumed:							
Turbo fuel	—	—	—	—	—	27,682,221	27,682,221
Cost	—	—	—	—	—	4,622,577	4,622,577
Gasoline	4,879,197	3,507,700	2,358,035	760,755	1,202,122	23,173,861	35,881,670
Cost	2,279,255	1,207,153	1,030,670	304,303	569,261	8,105,826	13,496,468
Oil for turbo aircraft	—	—	—	—	—	8,124	8,124
Cost	—	—	—	—	—	123,306	123,306
Oil for other aircraft	53,444	55,505	66,378	13,313	14,495	341,927	545,062
Cost	48,825	37,783	78,613	13,745	15,835	267,653	462,454
Average number of employees	1,460	390	516	257	261	6,815	11,699
Salaries and wages	\$ 6,546,995	2,252,581	3,094,407	876,936	1,170,181	41,627,902	55,568,982
Average number of aircraft:							
Owned	29	20	63	9	34	70 ²	225
Leased	—	—	21	—	—	—	21
Total	29	20	84	9	34	70²	246
Ratio of miles flown to miles scheduled ³	98.3	80.9	100.0	100.0	96.2	97.3	97.2
Revenue passenger load factor—scheduled	56.3	33.2	53.7	45.7	—	69.6	67.1

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

TABLE 10. Operating Statistics of Domestic Services of Non-scheduled Canadian Air Carriers, 1957

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
Miles scheduled.....	Not applicable			
Miles flown:				
Revenue:				
Unit toll transportation.....	2,211,354	748,416	—	2,959,770
Bulk transportation.....	22,126,289	3,835,230	1,222,985	27,184,504
Total revenue.....	24,337,643	4,583,646	1,222,985	30,144,274
Non-revenue.....	1	1	1	1
Total miles flown.....	1	1	1	1
Hours flown:				
Revenue:				
Unit toll transportation.....	19,210	1,336	—	20,546
Bulk transportation.....	196,499	23,371	12,421	232,291
Other flying services.....	69,615	17,564	17,358	104,537
Total revenue.....	285,324	42,271	29,779	357,374
Non-revenue.....	14,605	2,669	2,378	19,652
Total hours flown.....	299,929	44,940	32,157	377,026
Fuel consumed:				
Turbo fuel..... gal.	—	—	—	—
Cost..... \$	—	—	—	—
Gasoline..... gal.	12,019,074	546,718	230,939	12,796,731
Cost..... \$	5,039,508	260,835	116,382	5,416,725
Oil for turbo aircraft..... gal.	—	—	—	—
Cost..... \$	—	—	—	—
Oil for other aircraft..... gal.	169,586	13,049	5,047	187,682
Cost..... \$	210,657	13,982	6,864	231,503
Average number of employees.....	2,435	232	112	2,779
Salaries and wages..... \$	11,359,763	749,374	308,037	12,417,174
Average number of aircraft:				
Owned.....	352	95	75	522
Leased.....	27	8	10	45
Total.....	379	103	85	567
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, 1957

	T.C.A. Services	C.P.A. Services	Total
Miles scheduled.....	5,439,133	6,872,472	12,311,605
Miles flown:			
Revenue:			
Unit toll transportation.....	5,530,828	6,865,608	12,396,436
Bulk transportation.....	33,318	152,980	186,298
Total revenue.....	5,564,146	7,018,588	12,582,734
Non-revenue.....	168,196	401,543	569,739
Total miles flown.....	5,732,342	7,420,131	13,152,473
Hours flown:			
Revenue:			
Unit toll transportation.....	21,636	26,279	47,915
Bulk transportation.....	124	636	760
Other flying services.....	—	—	—
Total revenue.....	21,760	26,915	48,675
Non-revenue.....	670	1,392	2,062
Total hours flown.....	22,430	28,307	50,737
Fuel consumed:			
Turbo fuel..... gal.	1,369	—	1,369
Cost..... \$	223	—	223
Gasoline..... gal.	8,656,375	9,563,551	18,219,926
Cost..... \$	2,574,828	3,240,816	5,815,644
Oil for turbo aircraft..... gal.	—	—	—
Cost..... \$	—	—	—
Oil for other aircraft..... gal.	153,440	106,690	260,130
Cost..... \$	119,962	96,628	216,230
Average number of employees.....	690	846	1,536
Salaries and wages..... \$	3,227,310	4,100,090	7,327,400
Average number of aircraft:			
Owned.....	8	9	17
Leased.....	—	—	—
Total.....	8	9	17
Ratio of miles flown to miles scheduled ¹	99.1	99.3	99.2
Revenue passenger load factor—scheduled.....	70.2	51.0	59.6

¹ Includes miles flown on regular scheduled flights only.

TABLE 12. Transportation Statistics of Domestic Services of Canadian Scheduled Air Carriers, 1957

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc	Transair Ltd.	Trans- Canada Air Lines	Total
Passengers carried:							
Revenue:							
Scheduled:							
Originated	191,773	32,820	62,726	149,454	6,443	1,457,643	1,900,862
Domestic interline	19,168	3,460	—	—	—	257,624	22,628
Foreign interline	5,801	—	—	—	—	—	263,425
Division interline	—	—	—	—	—	70,196	70,196
Non-scheduled	2,375	2,421	49,765	—	13,110	—	67,671
Total unit toll transportation	219,117	38,701	112,491	149,454	19,556	1,735,463	2,324,782
Bulk transportation							
Originated	7,063	24,109	42,111	1,570	15,696	3,414	94,063
Total revenue	226,180	62,810	154,602	151,124	35,252	1,788,877	2,418,845
Non-revenue	3,512	398	1,810	769	512	1	7,001
Total passengers carried	229,692	63,208	156,412	151,893	35,764	1,788,877	2,425,846
Passenger miles — Unit toll transportation:							
Revenue	98,035,292	6,701,516	13,514,449	15,070,089	5,562,238	925,167,667	1,064,051,291
Non-revenue	2,637,072	255,831	315,235	157,132	181,464	41,772,619	45,319,353
Total passenger miles	100,672,354	6,957,347	13,829,684	15,227,221	5,743,752	966,940,286	1,109,370,644
Freight carried (lbs.):							
Revenue:							
Scheduled:							
Originated	7,872,305	—	298,930	2,134,844	36,711	13,425,921	23,769,711
Domestic interline	9,304	—	—	—	—	—	9,304
Foreign interline	12,899	—	—	—	—	—	12,899
Division interline	197	—	—	—	—	2,829,311	2,829,508
Non-scheduled	92,297	—	166,350	—	1,512,399	—	1,871,046
Total unit toll transportation	7,987,002	—	465,280	2,134,844	1,649,111	16,256,232	28,492,469
Bulk transportation							
Originated	1,472,682	15,622,837	5,387,287	348,662	12,438,161	275,175	36,544,304
Total revenue	9,459,684	15,622,837	6,852,567	2,483,506	14,087,272	16,531,407	65,037,313
Non-revenue	554,503	567,074	45,300	—	244,876	2,928,752	4,350,505
Total freight carried	10,024,187	16,189,911	6,897,957	2,483,506	14,332,148	19,460,159	69,387,868
Freight ton miles — Unit toll transportation:							
Revenue	1,993,378	—	53,971	139,831	215,352	7,983,394	10,295,926
Non-revenue	204,219	12,273	5,913	—	5,107	1,459,556	1,687,068
Total freight ton miles	2,197,597	12,273	59,884	139,831	220,459	9,442,950	11,982,994
Express carried (lbs.):							
Revenue:							
Scheduled:							
Originated	1,678,285	1,198,944	—	1,560,611	—	4,722,722	9,160,562
Domestic interline	—	104,063	—	—	—	—	104,063
Foreign interline	—	—	—	—	—	—	—
Division interline	—	—	—	—	—	317,315	317,315
Non-scheduled	5,933	89,157	—	—	—	—	95,090
Total unit toll transportation	1,684,218	1,392,164	—	1,560,611	—	5,040,037	9,677,030
Express ton miles — Unit toll transportation							
	451,732	367,924	—	107,837	—	2,280,754	3,208,247
Excess baggage carried (lbs.):							
Revenue:							
Scheduled:							
Originated	768,039	73,389	153,260	664,419	14,175	2,156,790	3,830,072
Domestic interline	25,147	—	—	—	—	13,037	38,184
Foreign interline	6,376	—	—	—	—	62,641	69,017
Division interline	—	—	—	—	—	183,574	183,574
Non-scheduled	9,574	27,825	62,292	—	67,018	—	166,709
Total unit toll transportation	809,136	101,214	215,552	664,419	31,193	2,416,042	4,287,556
Excess baggage ton miles — Unit toll transportation							
	230,595	17,009	23,738	61,171	13,965	551,712	898,190
Mail carried (lbs.) — Unit toll transportation							
	3,050,770	1,209,732	195,292	899,905	401,567	18,717,001	24,474,267
Mail ton miles — Unit toll transportation							
	759,045	106,335	24,178	40,051	37,289	7,729,405	8,696,303
Available seat miles — scheduled							
	169,428,267	16,576,573	16,438,718	32,961,363	1	1,328,477,533	1,563,882,704
Available ton miles — scheduled							
	20,127,501	2,123,355	1,834,358	3,457,007	1	189,787,967	217,330,134

1 Not available.

TABLE 13. Transportation Statistics of Domestic Services of Canadian Non-scheduled Air Carriers, 1957

	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	65,140	3,984	—	69,124
Total unit toll transportation	65,140	3,984	—	69,124
Bulk transportation	340,819	44,482	27,217	412,518
Total revenue	405,959	48,466	27,217	481,642
Non-revenue	9,558	6,526	548	16,632
Total passengers carried	415,517	54,992	27,765	498,274
Passenger miles — Unit toll transportation:				
Revenue	8,567,132	573,480	—	9,140,612
Non-revenue	483,597	—	—	483,597
Total passenger miles	9,050,729	573,480	—	9,624,209
Freight carried (lbs.):				
Revenue:				
Scheduled:				
Originated			Not applicable	
Domestic interline				
Foreign interline				
Division interline				
Non-scheduled	3,074,662	—	—	3,074,662
Total unit toll transportation	3,074,662	—	—	3,074,662
Bulk transportation	152,179,596	4,317,008	1,414,784	157,911,388
Total revenue	155,254,258	4,317,008	1,414,784	160,986,050
Non-revenue	1,183,828	71,075	25,957	1,280,860
Total freight carried	156,438,086	4,388,083	1,440,741	162,266,910
Freight ton miles — Unit toll transportation:				
Revenue	488,881	—	—	488,881
Non-revenue	99,454	—	—	99,454
Total freight ton miles	588,335	—	—	588,335
Express carried (lbs.):				
Revenue:				
Scheduled:				
Originated			Not applicable	
Domestic interline				
Foreign interline				
Division interline				
Non-scheduled	729,426	17,804	—	747,230
Total unit toll transportation	729,426	17,804	—	747,230
Express ton miles — Unit toll transportation	166,813	2,095	—	168,908
Excess baggage carried (lbs.):				
Revenue:				
Scheduled:				
Originated			Not applicable	
Domestic interline				
Foreign interline				
Division interline				
Non-scheduled	151,686	26,453	—	178,139
Total unit toll transportation	151,686	26,453	—	178,139
Excess baggage ton miles — Unit toll transportation	29,372	2,635	—	32,007
Mail carried (lbs.) — Unit toll transportation	1,629,441	10,591	—	1,640,032
Mail ton miles — Unit toll transportation	108,146	217	—	108,363
Available seat miles — Scheduled			Not applicable	
Available ton miles — Scheduled				

TABLE 14. Transportation Statistics of Atlantic and Pacific Services of Canadian Scheduled Air Carriers, 1957

	T. C. A. Services	C. P. A. Services	Total
Passengers carried:			
Revenue:			
Scheduled:			
Originated	106,378	39,055	145,433
Domestic interline	—	2,589	2,589
Foreign interline	—	10,216	10,216
Division interline	81	—	81
Non-scheduled	—	—	—
Total unit toll transportation	106,459	51,860	158,319
Bulk transportation	595	1,876	2,471
Total revenue	107,054	53,736	160,790
Non-revenue	¹	2,178	2,178
Total passengers carried	107,054	53,914	162,968
Passenger miles — Unit toll transportation:			
Revenue	230,777,597	207,674,854	438,452,451
Non-revenue	12,381,001	7,900,684	20,281,685
Total passenger miles	243,158,598	215,575,538	458,734,136
Freight carried (lbs.):			
Revenue:			
Scheduled:			
Originated	2,303,198	399,204	2,702,402
Domestic interline	—	105,261	105,261
Foreign interline	—	270,830	270,830
Division interline	4,108	368	4,476
Non-scheduled	—	—	—
Total unit toll transportation	2,307,306	775,663	3,082,969
Bulk transportation	—	—	—
Total revenue	2,307,306	775,663	3,082,969
Non-revenue	386,058	202,983	589,041
Total freight carried	2,693,364	978,646	3,672,010
Freight ton miles — Unit toll transportation:			
Revenue	3,345,628	2,690,410	6,036,038
Non-revenue	518,374	519,756	1,038,130
Total freight ton miles	3,864,002	3,210,166	7,074,168
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	226,483	82,697	309,180
Domestic interline	—	2,413	2,413
Foreign interline	—	19,583	19,583
Division interline	568	—	568
Non-scheduled	—	—	—
Total unit toll transportation	227,051	104,693	331,744
Excess baggage ton miles — Unit toll transportation	206,767	188,788	395,555
Mail carried (lbs.) — Unit toll transportation	1,113,591	171,418	1,285,007
Mail ton miles — Unit toll transportation	1,783,747	516,523	2,300,270
Available seat miles— Scheduled	328,715,439	407,198,383	735,913,822
Available ton miles — Scheduled	45,727,870	42,855,715	88,583,585

¹ Not available.

TABLE 15. Revenues and Expenses of Canadian Scheduled Air Carriers, 1957

	Canadian Pacific Air Lines ¹	Maritime Central Airways	Pacific Western Air Lines	Quebecair Inc.	Transair Ltd.	Trans-Canada Air Lines ²	Total
dollars							
Operating revenues:							
Unit toll transportation:							
Passengers	19,979,037	643,549	1,629,006	1,649,293	538,465	86,523,991	110,963,136
Mail	2,028,061	245,618	91,594	64,324	100,198	9,662,585	12,192,430
Freight	2,021,616	—	87,161	148,974	254,616	4,332,235	6,554,603
Express	419,261	208,807	—	131,396	—	2,059,920	2,819,394
Excess baggage	357,488	13,943	31,090	69,055	15,421	893,968	1,380,970
Total unit toll transportation	24,804,463	1,111,922	1,839,751	2,063,047	918,700	103,472,690	134,210,573
Bulk transportation	1,535,946	5,896,490	4,601,347	44,489	1,745,970	277,479	14,152,220
Other flying services	—	53,039	195,124	—	—	2,676	255,939
Total flying services	26,390,409	7,066,451	6,636,722	2,107,535	2,664,670	103,752,845	143,613,632
Non-flying services	256,212	672,628	143,981	16,098	104,019	1,363,737	2,556,675
Total operating revenues	26,646,621	7,739,079	6,780,703	2,123,633	2,768,689	105,116,582	151,175,307
Operating expenses:							
Aircraft operation and maintenance	18,708,033	5,047,257	4,471,358	1,257,613	2,193,469	55,779,867	37,462,597
Ground operation and maintenance	4,732,951	1,016,648	1,331,549	563,545	688,667	27,032,228	35,415,583
Traffic	3,903,881	122,138	336,234	220,525	77,542	14,303,159	13,973,478
General administration	1,908,317	423,944	559,426	184,002	195,094	5,745,448	9,016,231
General taxes	120,433	16,572	9,254	7,813	15,625	583,612	753,514
Total operating expenses	29,378,620	6,626,559	6,707,821	2,233,498	3,175,397	103,499,513	151,621,408
Operating income (or loss)	Dr. 2,731,999	1,112,520	72,932	Dr. 109,865	Dr. 406,708	1,617,069	Dr. 446,101
Add non-operating income	283,417	39,365	246,772	—	319,718	369,164	1,258,936
Gross income	Dr. 2,448,582	1,152,385	319,654	Dr. 109,865	Dr. 96,990	1,986,233	812,635
Deduct interest and other income charges	29,170	106,880	251,591	40,579	148,452	1,581,559	2,158,231
Net income before income taxes	Dr. 2,477,752	1,045,505	68,063	Dr. 150,444	Dr. 235,442	404,674	Dr. 1,345,396
Deduct provision for income taxes	Cr. 820,000	528,577	—	—	—	—	Cr. 293,423
Net income (or deficit after income taxes)	Dr. 1,657,752	518,928	68,063	Dr. 150,444	Dr. 235,442	404,674	Dr. 1,051,973
Operating ratio	110.3	85.6	98.9	105.2	114.7	98.5	100.3

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, 1957

	Class "B" carriers	Class "C" carriers	Class "D" carriers	Total
dollars				
Operating revenues:				
Unit toll transportation:				
Passengers	1,223,643	102,453	6,046	1,332,142
Mail	465,325	3,966	—	469,291
Freight	377,668	3,920	—	381,588
Express	110,288	—	—	110,288
Excess baggage	42,241	5,857	—	48,098
Total unit toll transportation	2,219,165	116,196	6,046	2,341,407
Bulk transportation	24,684,813	1,328,429	553,752	26,566,994
Other flying services	6,862,969	379,370	369,268	7,611,607
Total flying services	33,766,947	1,823,995	929,066	36,520,008
Non-flying services	2,015,200	156,627	175,923	2,347,750
Total operating revenues	35,782,147	1,980,622	1,104,989	38,867,758
Operating expenses:				
Aircraft operation and maintenance	25,342,770	1,473,047	715,214	27,531,031
Ground operation and maintenance	5,452,310	335,213	147,665	5,935,193
Traffic	676,925	27,831	35,858	740,614
General administration	3,078,255	256,903	143,653	3,473,811
General taxes	103,834	Cr. 2,010	4,909	106,732
Total operating expenses	34,654,094	2,090,989	1,047,298	37,792,381
Operating income (or loss)	1,128,053	Dr. 110,367	57,691	1,075,377
Add non-operating income	343,639	9,754	12,040	364,433
Gross income	1,471,742	Dr. 101,613	69,731	1,439,860
Deduct interest and other income charges	462,739	18,831	21,295	502,915
Net income before income taxes	1,009,953	Dr. 120,444	48,436	936,945
Deduct provision for income taxes	429,179	7,587	2,103	437,869
Net income (or deficit) after income taxes	580,774	Dr. 128,031	46,333	499,076
Operating ratio	96.8	105.6	94.8	97.2

TABLE 17. Employees, Salaries and Wages of Canadian and Foreign Air Carriers, 1957

Canadian carriers	Employees	Salaries and wages	Companies	Employees	Salaries and wages
General officers	994	7,584,724	Canadian Pacific Air Lines ¹	2,306	10,647,085
Clerks and stenographers	2,044	6,893,934	Maritime Central Airways	390	2,252,581
Pilots	1,615	13,683,938	Pacific Western Airlines	516	3,094,407
Co-pilots	285	1,651,277	Quebecair Inc.	257	876,936
Despatchers	198	1,008,272	Transair Ltd.	261	1,170,161
Communication operators	867	2,963,214	Trans-Canada Air Lines ¹	9,505	44,855,212
Stewards or other attendants	692	2,570,394	Total Scheduled	13,235	62,896,382
Air engineers	996	5,634,756	Class "B" carriers	2,435	11,359,763
Mechanics	3,040	13,752,169	Class "C" carriers	232	749,374
Airport employees	2,382	8,855,476	Class "D" carriers	112	308,037
Stores employees	438	1,557,844	Total Canadian	16,014	75,313,556
Other employees	2,463	9,157,558	Foreign carriers:		
Total	16,014	75,313,556	Trans-border services	291	1,437,409
			Atlantic and Pacific services	377	1,611,830
			Total carriers	16,632	78,362,796

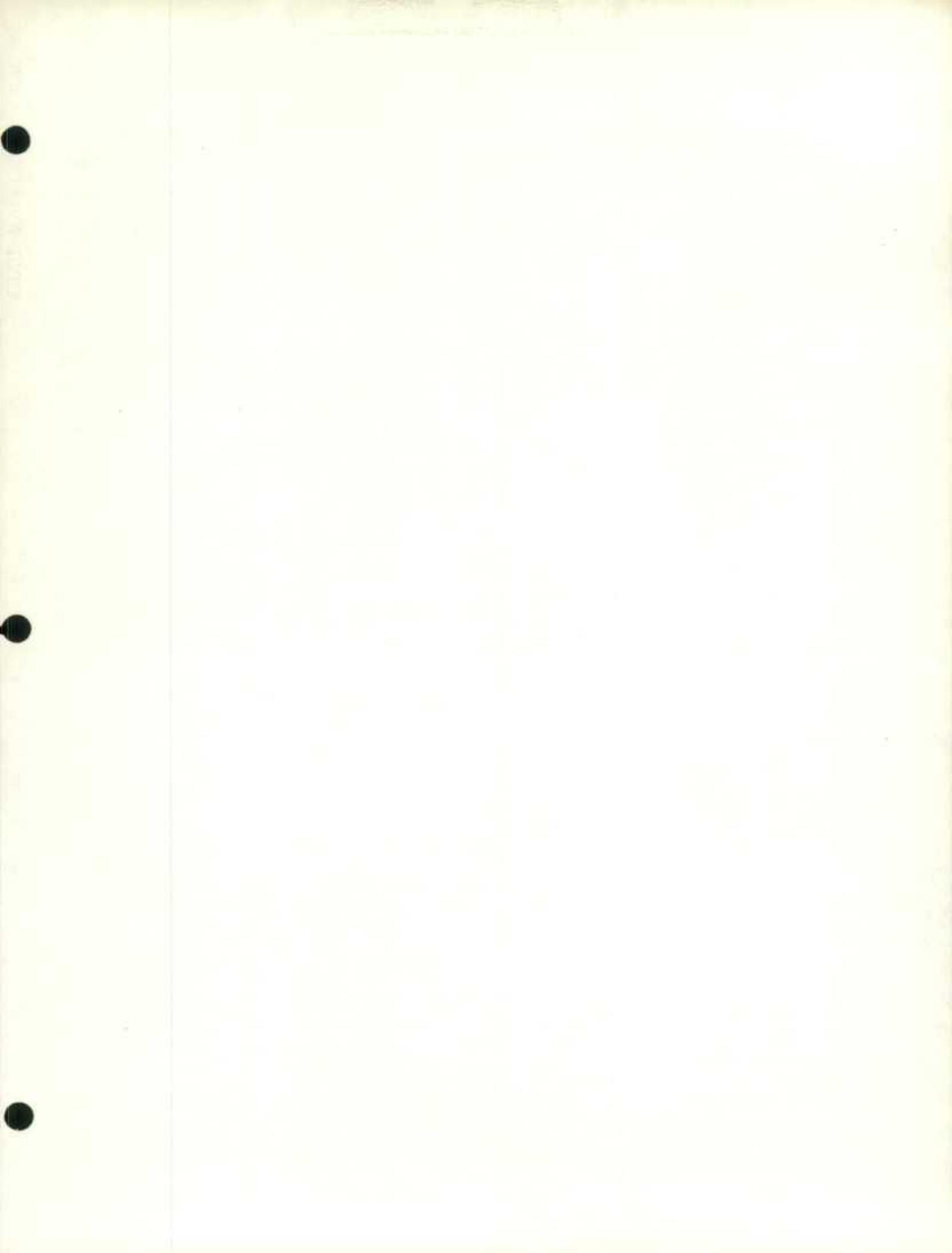
¹ Includes Overseas Services.TABLE 18. Accidents Involving Canadian Air Carriers, 1953-1957¹

	1957 ²	1956	1955	1954	1953		1957 ²	1956	1955	1954	1953
Casualties:						Number of aircraft accidents	396	262	264	201	174
Pilot:						Type of flying:					
Fatal	40	26	40	18	25	Instructional	12	6	6	2	1
Serious	30	13	17	7	6	Practice	48	26	7	1	
Minor	14	13	13	5	—	Private	230 ³	151 ³	152 ³	108	86
Crew:						Scheduled	4 ³	3 ³	2 ³	4	7
Fatal	5	7	2	2	6	Non-scheduled	154 ³	106 ³	107 ²	76	71
Serious	—	1	—	3	2	State	8 ³	2 ³	3 ³	1	1
Minor	1	—	1	1	1	Other (including ferry, test, etc.)	5	4	5	9	5
Passengers:						Probable cause (per cent):					
Fatal	135	97	42	47	43	Personnel	73.2	74.8	51.9	52.3	50.0
Serious	13	18	26	17	11	Material failure	12.8	14.6	19.7	20.9	20.7
Minor	11	18	16	17	10	Weather	2.3	1.5	7.6	7.9	5.2
Other:						Aerodrome terrain or water	3.1	5.3	11.0	12.9	12.6
Fatal	—	—	2	3	—	Miscellaneous	3.1	—	2.3	2.0	4.0
Serious	5	—	1	—	2	Undetermined	5.5	3.8	7.5	4.0	7.5
Minor	1	1	—	—	1						
Operational phase:											
Starting	5	—	4	1	7						
Taxing	30	16	30	28	6						
Take-off	78	36	56	37	37						
Flight	85	46	41	31	42						
Landing	195	163	127	101	81						
Other	3	1	6	3	1						

¹ As reported by Civil Aviation Division, Department of Transport.² Subject to revision.³ Includes instructional, practice, and other flying accidents.TABLE 19. Personnel and Airport Licences Issued and Aircraft Registered as of December 31, 1957¹

Personnel	In force December 31, 1957	In force December 31, 1956 ²	Aircraft registered	Total	
				December 31, 1957	December 31, 1956
Pilots:			Commercial	1,826	1,700
Glider	287	246	Private	2,004	1,684
Private	7,832	6,580	State	175	157
Commercial (old type)	—	—	Grand total	4,005	3,541
Commercial	2,411	2,145			
Senior commercial	399	380	Airports		
Transport	—	—			
Airline transport	968	831			
Air navigators	101	77		In force December 31, 1957	In force December 31, 1956
Air traffic controllers	565	416			
Flight engineers	43	33		550	519
Aircraft maintenance engineers	1,916	1,747			

¹ As reported by Civil Aviation Division, Department of Transport.² Revised.



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