

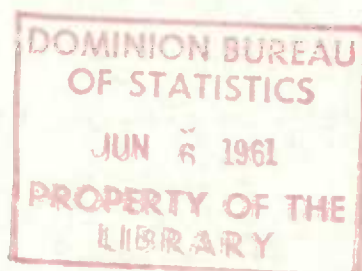
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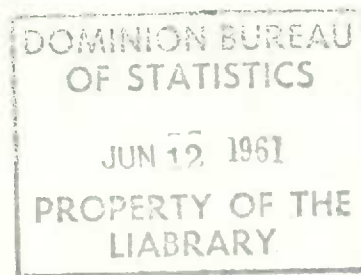


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# CIVIL AVIATION

## AUGUST 1960



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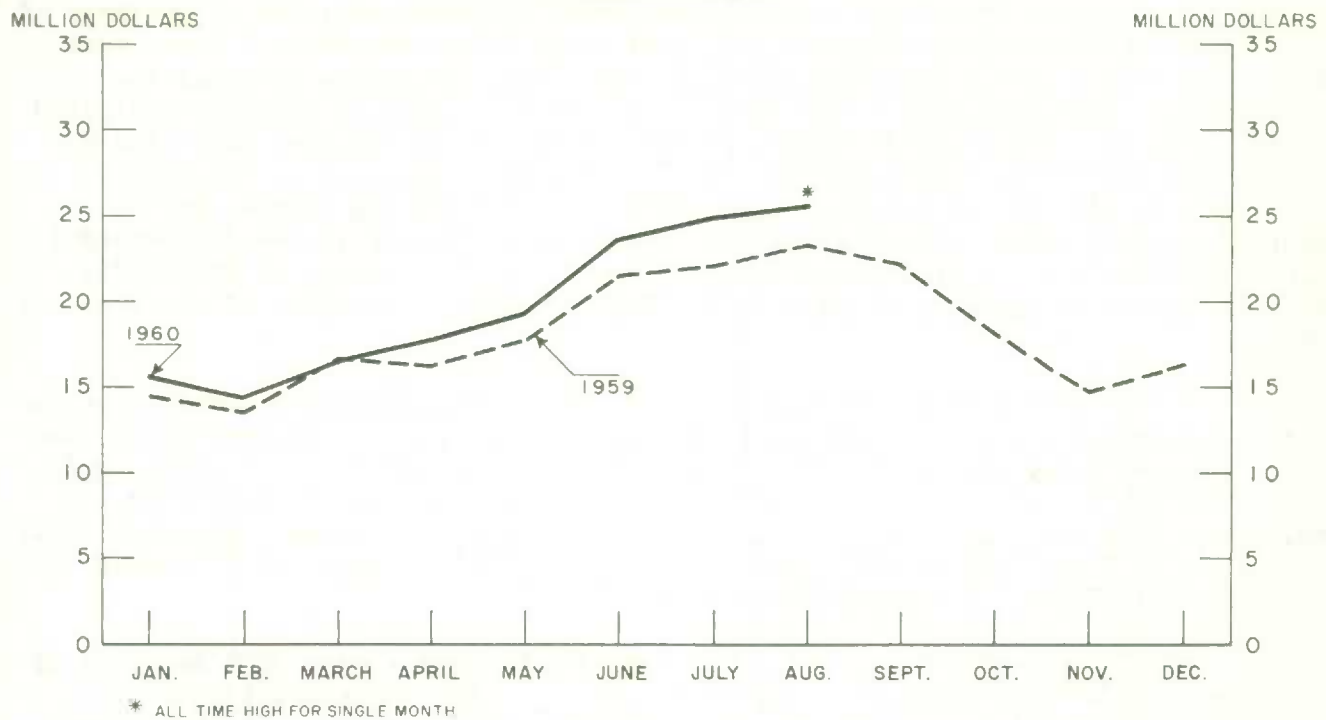
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## SYMBOLS

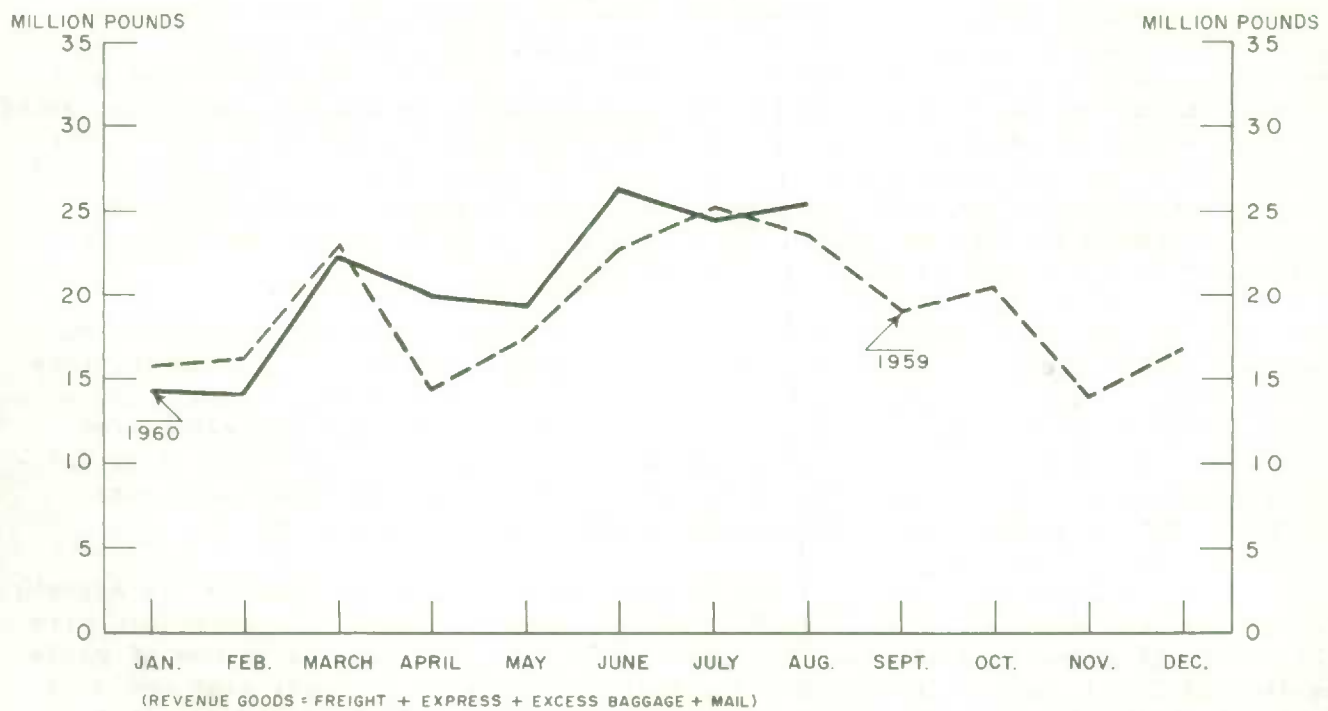
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- .. Figures are not available.
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- Nil or Zero.

# OPERATING REVENUE OF CANADIAN CARRIERS 1959 - 1960



# REVENUE GOODS CARRIED BY CANADIAN CARRIERS 1959 - 1960



## INTRODUCTION

During August, Canadian Air carriers transported 476,192 revenue passengers and 25,469,530 lbs. of revenue goods as compared with 497,459 revenue passengers and 23,526,142 lbs. of revenue goods in the same month of 1959. This represented a decrease of 4.3 per cent in the number of passengers but an increase of 8.3 per cent in the volume of goods. Revenue miles flown were down 2.6 per cent to 10,858,310 from 11,143,376 in the previous year. Both operating revenues and operating expenses were higher than in August, 1959. Operating revenues increased 9.9 per cent to \$25,531,402 from \$23,237,019 and operating expenses rose 10.8 per cent to \$21,591,486 from \$19,492,122. For the third consecutive month, the revenues set an all time high for a single month. The operating income, which amounted to \$3,939,916, was substantially above the income of \$3,744,897 earned in August 1959 and the net income, after provision for income taxes, at \$3,408,033, was below the corresponding income of \$3,688,209 realized in August of the previous year.

In the seven month period, January to August, Canadian carriers transported 2.6 per cent more revenue passengers and 5 per cent more revenue goods than in the corresponding period of 1959. The number of passengers rose to 3,165,417 from 3,084,058 and the volume of goods rose to 166,220,949 lbs. from 158,304,255 lbs. Operating revenues and expenses also increased in the period. However, while revenues rose 8 per cent to \$157,585,754 from \$145,911,041, expenses increased 11.1 per cent to \$157,899,249 from \$142,152,554.

In August, 86 per cent of all revenue passengers and 37.1 per cent of all revenue goods were carried in unit toll service. Corresponding figures for August, 1959, were 85.3 per cent and 37.2 per cent, respectively. It should be noted that a complete breakdown of unit toll service into scheduled and non-scheduled services is not possible since some carriers offer both services on specific routes. In such cases, the route is assigned to the class of service which predominates.

The six scheduled carriers transported, in August, a total of 407,859 revenue passengers or 85.7 per cent of the total and 10,535,895 lbs. of revenue goods, 41.4 per cent of the total. In the corresponding month of the previous year, seven scheduled carriers transported 86 per cent of all passengers and 45.1 per cent of all goods. Passengers carried totalled 427,929 and the goods aggregated 10,612,523 lbs. In August, 1960, the six scheduled carriers earned 81.6 per cent of the operating revenues realized by all Canadian carriers and accounted for 85.3 per cent of the total operating expenses reported. In August, 1959, the seven scheduled carriers were responsible for 81.8 per cent of the total operating revenues and 84.3 per cent of all operating expenses.

Data for companies operating helicopters only are shown in Table 8. These companies operate 75 per cent of all helicopters in Canada. In August, they flew a total of 8,257 revenue hours as compared with 9,890 revenue hours in July. Their operating revenues amounted to \$946,496 and operating expenses aggregated \$526,370. In the previous month, helicopter carriers reported revenues of \$1,037,494 and expenses of \$505,238. The operating income, in August (\$420,126), was therefore less than for the month of July (\$532,256).

Foreign carriers licensed to operate in Canada transported, in August, 74,434 revenue passengers and 1,286,942 lbs. of revenue goods. In comparison with the number of passengers carried in August, 1959, (67,341) and the volume of goods handled (975,560 lbs.), foreign carriers realized gains of 10.5 per cent and 31.9 per cent, respectively. It should be noted that foreign carriers are required to report hours and miles flown over Canadian Territory only and in transit passengers and goods are excluded.



TABLE 1. Operating Statistics, Canadian and Foreign Carriers - All Services  
August, 1960

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)		
	Group I and II(1)	Group III(1)	Group IV	Total					
Number of carriers reporting ..	6	16	56	72	78	9	7	94	...
<u>Transportation services:</u>									
Unit toll:									
Revenue departures .....	No.	21,223	1,086	844	1,930	23,153	..	..	..
Revenue hours flown .....	"	31,688	2,606	697	3,303	34,991	647	1,013	36,651
Revenue miles scheduled ...	"	6,495,292	...	...	...	6,495,292	168,291	314,563	6,978,146
Revenue miles flown:									
Scheduled services .....	"	6,554,950(4)	...	...	...	6,554,950(4)	158,851	316,735	7,030,536(4)
Non-scheduled services ..	"	383,285(4)	322,539	70,035	392,574	775,859	-	18,590	794,449(4)
Totals .....	"	6,938,235	322,539	70,035	392,574	7,330,809	158,851	335,325	7,824,985
Revenue passengers carried	"	394,887	9,829	5,030	14,859	409,746	54,173	19,899	483,818
Revenue goods carried:									
Cargo .....	1b.	5,561,688	525,503	143,190	668,693	6,230,381	627,784	451,963	7,934,996
Excess baggage .....	"	580,463	20,092	24,313	44,405	624,868	)		
Mail .....	"	2,535,232	37,225	18,478	55,703	2,590,935	132,644	74,551	2,798,130
Totals .....	"	8,677,383	582,820	185,981	768,801	9,446,184	760,428	526,514	10,733,126
Revenue passenger-miles ...	No.	274,883,772	2,286,846	332,500	2,619,346	277,503,118	3,318,216	19,469,505	300,290,839
Revenue goods ton-miles:									
Cargo .....	"	2,642,207	185,769	5,541	191,310	2,833,517	) 213,135	1,058,794	4,266,699
Excess baggage .....	"	152,289	8,097	867	8,964	161,253	)		
Mail .....	"	1,084,434	9,814	1,027	10,841	1,095,275	3,423	32,344	1,131,042
Totals .....	"	3,878,930	203,680	7,435	211,115	4,090,045	216,558	1,091,138	5,397,741
Bulk:									
Revenue - Departure .....	"	4,719	11,653	14,472	26,125	30,844	..	..	..
Hours flown .....	"	5,081	17,231	13,909	31,140	36,221	-	20	36,241
Miles flown .....	"	725,369	1,479,631	1,322,501	2,802,132	3,527,501	66	5,200	3,532,767
Passengers carried	"	12,972	25,521	27,953	53,474	66,446	76	286	66,808
Freight carried .	1b.	1,858,512	10,410,094	3,754,740	14,164,834	16,023,346	-	-	16,023,346
<u>Non-transportation services:</u>									
Specialty flying:									
Revenue hours flown .....	No.	308	1,701	7,695	9,396	9,704	-	-	9,704

57,579
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See footnotes at end of table.

TABLE 1. Operating Statistics, Canadian and Foreign Carriers - All Services - Concluded  
August, 1960

		Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date	
		Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)			
			Groups I and II(1)	Group III(1)	Group IV						Total
Total - All services:											
Traffic:(5)											
Revenue:											
Departures .....	No.	25,942	12,739	15,316	28,055	53,997	..	..	..	..	
Hours flown .....	"	37,077	21,538	22,301	43,839	80,916	647	1,033	82,596	506,317	
Miles flown .....	"	7,663,604	1,802,170	1,392,536	3,194,706	10,858,310	158,917	340,525	11,357,752	75,641,059	
Passengers carried .....	"	407,859	35,350	32,983	68,333	476,192	54,249	20,185	550,626	3,661,478	
Cargo carried .....	lb.	7,420,200	10,935,597	3,897,930	14,833,527	22,253,727	627,784(6)	451,963(6)	23,958,342(6)	152,993,288(6)	
Goods carried .....	"	10,535,895	10,992,914	3,940,721	14,933,635	25,469,530	760,428	526,514	26,756,472	177,321,944	
Non-revenue:											
Hours flown .....	No.	789	729	451	1,180	1,969	6	-	1,975	16,178	
Passengers carried .....	"	..	162	-	162	..	1,079	639	..	..	
Goods carried .....	lb.	..	29,400	-	29,400	..	42,103	58,160	..	..	
Passenger-miles .....	No.	12,735,418	108,462	-	108,462	12,843,880	65,828	519,725	13,429,433	..	
Goods ton-miles .....	"	516,657	11,547	-	11,547	528,204	4,735	1,078,196	1,611,135	5,134,708	
Fuel consumed:											
Turbo fuel - Quantity ....	gal.	8,007,074	-	-	-	8,007,074	396,452	1,593,831	9,997,357	63,727,046	
Cost .....	\$	1,178,941	-	-	-	1,178,941	76,382	304,979	1,560,302	21,312,426	
Gasoline - Quantity .....	gal.	4,309,517	945,398	362,780	1,308,178	5,617,695	266,243	248,843	6,132,781	45,423,465	
Cost .....	\$	1,312,743	383,203	156,062	539,265	1,852,008	78,704	62,771	1,993,483	13,908,909	
Oil consumed:											
Turbo aircraft - Quantity	gal.	1,622	-	-	-	1,622	41	45	1,708	13,725	
Cost ....	\$	14,486	-	-	-	14,486	289	505	15,280	160,053	
Other aircraft - Quantity	gal.	64,310	13,647	6,051	19,698	84,008	2,189	3,331	89,528	601,814	
Cost ....	\$	60,412	21,760	8,186	29,946	90,358	1,804	2,767	94,929	763,688	
Average number of employees:											
Flying personnel .....	No.	2,278	465	304	769	3,047	..	..	..	..	
Other personnel .....	"	13,144	757	569	1,326	14,470	..	..	..	..	
Totals .....	"	15,422	1,222	873	2,095	17,517	292	585	18,394	17,974	
Salaries and wages paid:											
Flying personnel .....	\$	1,572,668	328,058	202,203	530,261	2,102,929	..	..	..	..	
Other personnel .....	\$	5,845,143	318,928	208,156	527,084	6,372,227	..	..	..	..	
Totals .....	\$	7,417,811	646,986	410,359	1,057,345	8,475,156	120,876	244,163	8,840,195	65,771,066	

- (1) Nordair Ltd. included with Group III carriers for purposes of this report.  
(2) See Introduction, page 5, last paragraph.  
(3) Includes fifth freedom traffic between United States and Canada.

- (4) Breakdown into scheduled and non-scheduled service not entirely accurate as some carriers operate the two types of service jointly on certain routes.  
(5) Except for hours flown these data relate to transportation services only.  
(6) Includes excess baggage.

TABLE 2. Revenues and Expenses, Canadian Carriers - All Services, by Revenue Group

August, 1960

	Scheduled carriers			Non-scheduled carriers			Grand total	Year to date
	Group I	Group II(1)	Total	Group III(1)	Group IV	Total		
dollars								
Operating revenues:								
Unit toll transportation:								
Passengers .....	16,211,066	840,234	17,051,300	279,702	63,122	342,824	17,394,124	111,294,958
Express .....	247,540	45,452	292,992	10,465	1,544	12,009	305,001	2,217,276
Freight .....	623,186	197,936	821,122	96,391	5,004	101,395	922,517	7,039,485
Excess baggage .....	141,084	29,935	171,019	8,637	1,459	10,096	181,115	1,182,955
Mail .....	973,121	67,466	1,040,587	15,079	4,549	19,628	1,060,215	8,697,637
Total unit toll transportation .....	18,195,997	1,181,023	19,377,020	410,274	75,678	485,952	19,862,972	130,432,311
Bulk transportation .....	544,925	651,302	1,196,227	2,059,426	1,108,113	3,167,539	4,363,766	21,127,577
Total transportation .....	18,740,922	1,832,325	20,573,247	2,469,700	1,183,791	3,653,491	24,226,738	151,559,888
Specialty flying services .....	1,245	18,749	19,994	305,885	568,924	874,809	894,803	3,282,036
Total flying services .....	18,742,167	1,851,074	20,593,241	2,775,585	1,752,715	4,528,300	25,121,541	154,841,924
Non-flying services .....	204,496	25,565	230,061	55,597	124,203	179,800	409,861	2,829,595
Total operating revenues .....	18,946,663	1,876,639	20,823,302	2,831,182	1,876,918	4,708,100	25,531,402	157,671,519
Operating expenses:								
Flying operations .....	4,438,082	710,848	5,148,930	1,032,983	517,545	1,550,528	6,699,458	46,075,422
Maintenance .....	3,883,578	283,607	4,167,185	512,438	266,674	779,112	4,946,297	38,011,431
General services and administration:								
Passenger service .....	1,397,013	31,762	1,428,775	..	..	..	..	..
Aircraft and traffic servicing .....	2,503,361	241,908	2,745,269	..	..	..	..	..
Promotion and sales .....	2,499,142	82,798	2,581,940	..	..	..	..	..
General administration .....	637,423	141,846	779,269	..	..	..	..	..
Totals .....	7,036,939	498,314	7,535,253	335,260	149,811	485,071	8,020,324	59,533,347
Depreciation and amortization .....	1,395,632	175,328	1,570,960	213,505	140,942	354,447	1,925,407	14,325,287
Total operating expenses .....	16,754,231	1,668,097	18,422,328	2,094,186	1,074,972	3,169,158	21,591,486	157,945,487
Operating income (loss) .....	2,192,432	208,542	2,400,974	736,996	801,946	1,538,942	3,939,916	Dr 273,968
Non-operating income - net:								
Capital gains and losses .....	-	Dr 5,171	Dr 5,171	737	6,000	6,737	1,566	394,678
Interest and discounts .....	158,376	5,048	163,424	404	1,089	1,493	164,917	1,019,972
Miscellaneous non-operating income .....	769	386	1,155	206	1,550	1,756	2,911	994,842
Income before interest expense .....	2,351,577	208,805	2,560,382	738,343	810,585	1,548,928	4,109,310	2,135,524
Interest expense .....	426,221	32,019	458,240	27,672	66,801	94,473	552,713	3,799,042
Income before income taxes .....	1,925,356	176,786	2,102,142	710,671	743,784	1,454,455	3,556,597	Dr 1,663,518
Provision for income taxes .....	-	-	-	132,376	16,188	148,564	148,564	468,701
Net income after income taxes .....	1,925,356	176,786	2,102,142	578,295	727,596	1,305,891	3,408,033	Dr 2,132,219

(1) Nordair Ltd. included with Group III carriers for purposes of this report.



TABLE 3. Revenues and Expenses, Canadian Scheduled Carriers - All Services, by Company

August, 1960

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total	Year to date
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers .....	2,929,899	162,741	301,924	207,274	168,295	13,281,167	17,051,300	109,416,771
Express .....	21,967	-	13,310	29,034	3,108	225,573	292,992	2,122,899
Freight .....	192,135	89,368	76,162	-	32,406	431,051	821,122	6,278,947
Excess baggage .....	25,804	3,255	16,405	6,326	3,949	115,280	171,019	1,126,598
Mail .....	158,336	19,990	30,919	1,405	15,152	814,785	1,040,587	8,192,808
Total unit toll transportation .....	3,328,141	275,354	438,720	244,039	222,910	14,867,856	19,377,020	127,138,023
Bulk transportation .....	436,195	50,783	475,710	2,418	122,391	108,730	1,196,227	5,261,784
Total transportation .....	3,764,336	326,137	914,430	246,457	345,301	14,976,586	20,573,247	132,399,807
Specialty flying services .....	-	-	18,749	-	-	1,245	19,994	158,783
Total flying services .....	3,764,336	326,137	933,179	246,457	345,301	14,977,831	20,593,241	132,558,590
Non-flying services .....	29,496	19,718	1,216	736	3,895	175,000	230,061	1,367,125
Total operating revenues .....	3,793,832	345,855	934,395	247,193	349,196	15,152,831	20,823,302	133,925,715
Operating expenses:								
Flying operations .....	1,246,624	104,029	336,433	93,012	177,374	3,191,458	5,148,930	37,096,551
Maintenance .....	777,742	40,287	148,579	72,698	22,043	3,105,836	4,167,185	32,167,148
General services and administrations:								
Passenger service .....	281,384	12,182	11,698	4,610	3,272	1,115,629	1,428,775	9,886,644
Aircraft and traffic servicing .....	464,268	33,967	179,274	17,411	11,256	2,039,093	2,745,269	21,134,013
Promotion and sales .....	548,145	4,625	23,739	34,551	19,883	1,950,997	2,581,940	18,996,592
General administration .....	157,193	30,911	72,658	26,099	12,178	480,230	779,269	5,955,159
Totals .....	1,450,990	81,685	287,369	82,671	46,589	5,585,949	7,535,253	55,972,408
Depreciation and amortization .....	239,445	28,326	99,148	30,428	17,426	1,156,187	1,570,960	11,781,204
Total operating expenses .....	3,714,801	254,327	871,529	278,809	263,432	13,039,430	18,422,328	137,017,311
Operating income (loss) .....	79,031	91,528	62,866	Dr 31,616	85,764	2,113,401	2,400,974	Dr 3,091,596
Non-operating income - net:								
Capital gains and losses .....	-	31	Dr 5,202	-	-	-	Dr 5,171	213,407
Interest and discounts .....	8,333	4,976	-	-	72	150,043	163,424	988,710
Miscellaneous non-operating income .....	28,030	-	486	Dr 101	1	Dr 27,261	1,155	951,651
Income before interest expense .....	115,394	96,535	58,150	Dr 31,717	85,837	2,236,183	2,560,382	Dr 937,828
Interest expense .....	-	9,128	1,174	10,706	11,011	426,221	458,240	3,433,249
Income before income taxes .....	115,394	87,407	56,976	Dr 42,423	74,826	1,809,962	2,102,142	Dr 4,371,077
Provision for income taxes .....	-	-	-	-	-	-	-	1,188
Net income after income taxes .....	115,394	87,407	56,976	Dr 42,423	74,826	1,809,962	2,102,142	Dr 4,372,265

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company

August, 1960

		Group I carriers			Group II carriers					Grand total
		Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Maritime Central Airways	Pacific Western Airlines (1)	Quebecair Inc. (1)	Transair Ltd. (1)	Total (1)	
<u>Transportation services</u>										
Unit toll:										
Revenue departures .....	No.	1,742	15,720	17,462	792	1,382	796	791	3,761	21,223
Revenue hours flown .....	"	3,930	23,831	27,761	742	1,622	623	940	3,927	31,688
Revenue miles scheduled .....	"	1,012,944	5,189,878	6,202,822	27,286	106,252	130,202	28,730	292,470	6,495,292
Revenue miles flown:										
Scheduled services - Regular .....	"	975,857	5,149,216	6,125,073	27,286	105,283	67,338	28,548	228,455	6,353,528
Extra section .....	"	28,154	153,336	181,490	4,303	2,240	4,705	8,684	19,932	201,422
Non-scheduled services .....	"	46,792	-	46,792	94,565	124,015	35,060	82,853	336,493	383,285
Totals .....	"	1,050,803	5,302,552	6,353,355	126,154	231,538	107,103	120,085	584,880	6,938,235
Ratio of regular miles flown to miles scheduled .....										
		96.3	99.2	...	100.0	99.1	51.7	99.4	...	...
Revenue passengers carried .....	No.	33,123	326,584	359,707	7,428	14,289	8,695	4,768	35,180	394,887
Revenue goods carried:										
Express .....	1b.	78,225	688,111	766,336	-	33,068	-	14,647	47,715	814,051
Freight .....	"	299,580	2,601,152	2,900,732	1,075,199	418,047	151,181	202,478	1,846,905	4,747,637
Excess baggage .....	"	52,519	412,419	464,938	16,338	38,576	45,022	15,589	115,525	580,463
Mail .....	"	160,987	2,088,160	2,249,147	108,967	121,589	13,474	42,055	286,085	2,535,232
Totals .....	"	591,311	5,789,842	6,381,153	1,200,504	611,280	209,677	274,769	2,296,230	8,677,383
Revenue passenger-miles:										
Scheduled services .....	No.	48,374,678	215,746,881	264,121,559	480,973	1,551,666	1,553,091	631,231	4,216,961	268,338,520
Non-scheduled services .....	"	1,082,820	-	1,082,820	1,179,946	2,302,374	754,364	1,225,748	5,462,432	6,545,252
Totals .....	"	49,457,498	215,746,881	265,204,379	1,660,919	3,854,040	2,307,455	1,856,979	9,679,393	274,883,772
Available seat-miles on scheduled services .....										
	"	80,683,696	297,405,680	378,089,376	821,314	2,825,550	2,506,464	..	..	..
Passenger load factor on scheduled services .....										
		60.0	72.5	...	58.6	54.9	62.0	..	...	...
Revenue goods ton-miles:										
Express - Scheduled services .....	No.	21,550	259,278	280,828	-	300	16,311	1,021	17,632	298,460
Non-scheduled services .....	"	1,125	-	1,125	-	9,957	9,812	2,740	22,509	23,634
Totals .....	"	22,675	259,278	281,953	-	10,257	26,123	3,761	40,141	322,094
Freight - Scheduled services .....	"	512,469	1,490,659	2,003,128	1,849	4,809	-	641	7,299	2,010,427
Non-scheduled services .....	"	1,294	-	1,294	155,128	118,610	-	34,654	308,392	309,686
Totals .....	"	513,763	1,490,659	2,004,422	156,977	123,419	-	35,295	315,691	2,320,113

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Continued

August, 1960

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Maritime Central Airways	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd. (1)	Total(1)	
<u>Transportation services - concluded:</u>									
Unit toll (concluded):									
Revenue goods ton-miles (concluded):									
Excess baggage - Scheduled services . No.	30,455	99,462	129,917	286	1,602	3,884	824	6,596	136,513
Non-scheduled services .....	748	-	748	2,572	6,636	2,687	3,133	15,028	15,776
Totals .....	31,203	99,462	130,665	2,858	8,238	6,571	3,957	21,624	152,289
Mail - Scheduled services .....	123,013	904,559	1,027,572	3,799	882	363	1,617	6,661	1,034,233
Non-scheduled services .....	3,884	-	3,884	6,604	33,897	925	4,891	46,317	50,201
Totals.....	126,897	904,559	1,031,456	10,403	34,779	1,288	6,508	52,978	1,084,434
Total - Scheduled services .....	687,487	2,753,958	3,441,445	5,934	7,593	20,558	4,103	38,188	3,479,633
Non-scheduled services .....	7,051	-	7,051	164,304	169,100	13,424	45,418	392,246	399,297
Totals.....	694,538	2,753,958	3,448,496	170,238	176,693	33,982	49,521	430,434	3,878,930
Available ton-miles on scheduled services .....	9,944,012	38,417,689	48,361,701	83,079	282,501	258,310	97,753	721,643	49,083,344
Weight load factor on scheduled services (2) .....	55.5	63.3	...	65.0	57.6	68.1	68.8	...	...
Bulk:									
Revenue - Departures .....	36	78	114	110	3,529	14	952	4,605	4,719
Hours flown .....	535	210	745	186	3,360	15	775	4,336	5,081
Miles flown .....	153,990	46,002	199,992	32,871	400,371	2,116	90,019	525,377	725,369
Passengers carried .....	2,932	2,728	5,660	1,383	4,574	60	1,295	7,312	12,972
Freight carried .....	-	27,249	27,249	47,127	983,453	5,587	795,096	1,831,263	1,858,512
<u>Non-transportation services</u>									
Specialty flying:									
Revenue hours flown .....	-	5	5	-	231	-	72	303	308
<u>Total - All services</u>									
Traffic: (3)									
Revenue:									
Departures .....	1,778	15,798	17,576	902	4,911	810	1,743	8,366	25,942
Hours flown .....	4,465	24,046	28,511	928	5,213	638	1,787	8,566	37,077
Miles flown .....	1,204,793	5,348,554	6,553,347	159,025	631,909	109,219	210,104	1,110,257	7,663,604
Passengers carried .....	36,055	329,312	365,367	8,811	18,863	8,755	6,063	42,492	407,859
Cargo carried .....	377,805	3,316,512	3,694,317	1,122,326	1,434,568	156,768	1,012,221	3,725,883	7,420,200
Goods carried .....	591,311	5,817,091	6,408,402	1,247,631	1,594,733	215,264	1,069,865	4,127,493	10,535,895

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Concluded

August, 1960

	Group I carriers			Group II carriers					Grand total	
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Maritime Central Airways	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd.(1)	Total(1)		
<b>Total - All services - Concluded:</b>										
<b>Traffic(3) - Concluded:</b>										
<b>Non-revenue:</b>										
Hours flown .....	No. 209	312	521	18	170	54	26	268	789	
Passengers carried .....	" 1,093	..	..	129	125	113	109	476	..	
Goods carried .....	lb. 102,034	..	..	37,370	17,429	-	12,048	66,847	..	
Passenger-miles .....	No. 1,588,682	10,944,619	12,533,301	47,301	58,186	33,488	63,142	202,117	12,735,418	
Goods ton-miles .....	" 188,627	307,414	496,041	9,078	9,170	-	2,368	20,616	516,657	
<b>Fuel consumed:</b>										
Turbo fuel - Quantity .....	gal. 1,668,886	6,178,817	7,847,703	45,017	-	114,354	-	159,371	8,007,074	
Cost .....	\$ 300,170	843,146	1,143,316	11,394	-	24,231	-	35,625	1,178,941	
Gasoline - Quantity .....	gal. 652,937	3,063,351	3,716,288	108,999	331,863	33,291	119,066	593,219	4,309,507	
Cost .....	\$ 212,485	848,226	1,060,711	36,308	145,157	10,976	59,591	252,032	1,312,743	
<b>Oil consumed:</b>										
Turbo aircraft - Quantity .....	gal. 239	1,329	1,568	12	-	42	-	54	1,622	
Cost .....	\$ 2,351	11,487	13,838	149	-	499	-	648	14,486	
Other aircraft - Quantity .....	gal. 10,352	45,905	56,257	905	4,282	307	2,559	8,053	64,310	
Cost .....	\$ 12,570	38,753	51,323	853	5,353	324	2,559	9,089	60,412	
<b>Average number of employees:</b>										
Flying personnel .....	No. 416	1,615	2,031	35	142	25	45	247	2,278	
Other personnel .....	" 2,254	9,832	12,086	160	484	240	174	1,058	13,144	
Totals .....	" 2,670	11,447	14,117	195	626	265	219	1,305	15,422	
<b>Salaries and wages paid:</b>										
Flying personnel .....	\$ 299,013	1,108,003	1,407,016	23,130	92,217	22,192	28,113	165,652	1,572,668	
Other personnel .....	\$ 862,514	4,605,537	5,468,051	56,374	179,653	78,115	62,950	377,092	5,845,143	
Totals .....	\$ 1,161,527	5,713,540	6,875,067	79,504	271,870	100,307	91,063	542,744	7,417,811	

(1) Routes included in scheduled or non-scheduled services according to predominant class of service.

(2) Standard passenger weight used: 200 pounds.

(3) Except for hours flown, these data relate to transportation services only.



TABLE 5. Interline Traffic (1), Canadian Scheduled Carriers - All Services, by Company

August, 1960

		Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Revenue passengers carried:								
Originated .....	No.	26,911	6,747	13,813	8,695	3,892	272,599	332,657
Domestic interline .....	"	3,168	681	-	-	-	( 53,985	60,711
Foreign interline .....	"	2,877	-	-	-	-	-	-
Totals (2) .....	"	32,956	7,428	13,813	8,695	3,892	326,584	393,368
Revenue express carried:								
Originated .....	lb.	78,225	-	33,068	151,181	14,647	688,111	965,232
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	78,225	-	33,068	151,181	14,647	688,111	965,232
Revenue freight carried:								
Originated .....	"	193,128	724,055	401,666	-	67,867	2,601,152	3,987,868
Domestic interline .....	"	10,197	-	-	-	-	-	10,197
Foreign interline .....	"	71,360	-	-	-	-	-	71,360
Totals (2) .....	"	274,685	724,055	401,666	-	67,867	2,601,152	4,069,425
Revenue excess baggage carried:								
Originated .....	"	46,391	16,338	38,308	45,022	13,097	384,710	543,866
Domestic interline .....	"	2,425	-	-	-	-	3,450	5,875
Foreign interline .....	"	3,369	-	-	-	-	24,259	27,628
Totals (2) .....	"	52,185	16,338	38,308	45,022	13,097	412,419	577,369
Revenue mail carried:								
Originated .....	"	160,987	108,967	115,008	13,474	17,457	2,088,160	2,504,053
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	160,987	108,967	115,008	13,474	17,457	2,088,160	2,504,053

(1) Includes only scheduled and non-scheduled services designated as mainline by the Air Transport Board.

(2) Excludes division interline.

TABLE 6. Operating Statistics, Canadian Group I Carriers - Unit Toll Services, by Area of Service

August, 1960

		Trans- Border Services	Trans- Atlantic and Polar Services	Southern Services	Pacific and Orient Services	Total International Services	Domestic Services	Grand total
Revenue departures .....	No.	2,964	478	236	101	3,779	13,683	17,462
Revenue hours flown .....	"	4,836	2,478	976	730	9,020	18,741	27,761
Revenue miles scheduled .....	"	969,654	793,641	260,684	224,350	2,248,329	3,954,493	6,202,822
Revenue miles flown:								
Scheduled services - Regular .....	"	962,346	761,866	260,512	215,718	2,200,442	3,924,631	6,125,073
Extra sections .....	"	30,486	29,740	-	-	60,226	121,264	181,490
Non-scheduled services .....	"	-	-	-	-	-	46,792	46,792
Totals .....	"	992,832	791,606	260,512	215,718	2,260,668	4,092,687	6,353,355
Ratio of regular miles flown to miles scheduled .....		96.9	96.2	100.0	100.0	97.3	97.0	97.1
Revenue passenger-miles .....	No.	30,216,584	55,445,063	9,476,887	6,913,181	102,051,715	163,152,664	265,204,379
Available seat-miles on scheduled services .....	"	43,511,066	77,892,877	18,387,637	15,937,035	155,728,615	222,360,761	378,089,376
Passenger load factor on scheduled services .....		69.4	71.2	51.5	43.4	65.5	72.9	69.9
Revenue goods ton-miles:								
Express .....	No.	36,397	-	-	-	36,397	245,556	281,953
Freight .....	"	128,104	547,654	84,233	273,846	1,033,837	970,585	2,004,422
Excess baggage .....	"	17,550	18,141	10,212	5,533	51,436	79,229	130,665
Mail .....	"	32,009	179,659	26,625	63,276	301,569	729,887	1,031,456
Totals .....	"	214,060	745,454	121,070	342,655	1,423,239	2,025,257	3,448,496
Available ton-miles on scheduled services .....	"	5,003,270	9,636,503	2,255,809	2,009,654	18,905,236	29,456,465	48,361,701
Weight load factor on scheduled services (1) .....		64.7	65.3	47.4	51.5	61.6	68.9	61.7

(1) Standard passenger weight used: 200 pounds.

TABLE 7. Operating Statistics, Canadian Carriers - Specialty Flying Services,  
Groups I to IV, by Type of Service

August, 1960

	Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$
Flying training .....	4,373	64,020	31,294	507,493
Recreational flying .....	553	11,246	4,668	93,379
Aerial photography and survey .....	2,059	231,299	5,972	921,351
Aerial photography (excl. survey) .....	339	33,501	1,158	86,088
Aerial pest control .....	336	278,420	2,036	523,495
Aerial advertising .....	15	833	72	3,566
Aerial patrol and inspection .....	1,581	132,633	8,304	790,906
Philanthropic .....	-	-	71	Dr 584
Aerial fish cultivation .....	2	332	21	1,688
Geophysical survey .....	435	97,809	3,460	497,393
Non-transportation charter .....	11	967	319	33,760
Other specialty flying .....	-	-	106	7,780
Total specialty flying .....	9,704	851,060	57,481	3,466,315

TABLE 8. Operating Statistics, Canadian Carriers Operating  
Helicopters only, Groups I to IV

August, 1960

	Month	Year to date
Revenue hours flown .....	No. 8,257	36,251
Average number of aircraft .....	" 108	100
Average number of employees:		
Flying personnel .....	" 214	178
Other personnel .....	" 137	147
Totals .....	" 351	325
Salaries and wages paid:		
Flying personnel .....	\$ 138,586	795,546
Other personnel .....	\$ 70,702	590,354
Totals .....	\$ 209,288	1,385,900
Operating revenues:		
Bulk transportation .....	\$ 897,431	3,960,240
Other flying services .....	\$ 24,600	161,430
Non-flying services .....	\$ 24,465	209,612
Totals .....	\$ 946,496	4,331,282
Operating expenses:		
Flying operations .....	\$ 243,254	1,417,153
Maintenance .....	\$ 103,853	843,501
General services and administration ..	\$ 99,513	546,063
Depreciation and amortization .....	\$ 79,750	637,883
Totals .....	\$ 526,370	3,444,600
Operating income (Loss) .....	\$ 420,126	886,682
Net income (deficit) after income taxes	\$ 403,417	883,693

TABLE 9. Transportation Statistics, Foreign Carriers - Unit Toll Services, by Area of Service  
August 1957 - 1960

	United States			Europe			All others			Totals		
	To	From	Total	To	From	Total	To	From	Total	To	From	Total
	number											
Revenue passengers carried:												
1957 .....	25,432	24,884	50,316	2,563	4,598	7,161	438	502	940	28,433	29,984	58,417
1958 .....	24,206	24,132	48,338	5,180	5,291	10,471	218	185	403	29,604	29,608	59,212
1959 .....	27,207	26,910	54,117	4,850	7,431	12,281	198	154	352	32,255	34,495	66,750
1960 .....	26,879	27,252	54,131	6,808	12,299	19,107	426	408	834	34,113	39,959	74,072
Revenue freight, express and excess baggage carried:	lbs.											
1957 .....	79,099	506,560	585,659	21,936	116,847	138,783	4,664	3,549	8,213	105,699	626,956	732,655
1958 .....	82,103	530,025	612,128	22,538	148,296	170,834	5,405	512	5,917	110,046	678,833	788,879
1959 .....	105,991	490,781	596,772	46,362	212,290	258,652	1,565	872	2,437	153,918	703,943	857,861
1960 .....	102,833	528,176	631,009	77,246	365,576	442,822	5,208	708	5,916	185,287	894,460	1,079,747
Mail carried:												
1957 .....	34,880	86,855	121,735	3,213	64,125	67,338	33	839	872	38,126	151,819	189,945
1958 .....	37,999	81,483	119,482	4,704	65,984	70,688	263	418	681	42,966	147,885	190,851
1959 .....	44,410	84,878	129,288	3,313	72,250	75,563	210	448	658	47,933	157,576	205,509
1960 .....	48,189	84,455	132,644	24,207	49,421	73,628	593	330	923	72,989	134,206	207,195



## CIVIL AVIATION DEFINITIONS

Unit Toll Transportation:	Transportation of passengers or goods at a toll per unit. It includes: <ul style="list-style-type: none"><li>(i) the scheduled services, which provide transportation between designated points in accordance with a schedule; and</li><li>(ii) the non-scheduled services, which provide transportation either between designated points on a route pattern and with some degree of regularity or from a designated base to serve a defined area or a specific point or points.</li></ul>
Bulk Transportation:	Transportation of passengers or goods at a toll per mile or per hour for the entire aircraft (charter), or in accordance with a specific contract.
Specialty Flying Services:	Non-transportation flying services, such as flying training, aerial photography, aerial pest control and aerial advertising.
Scheduled Carriers:	Carriers operating some unit toll scheduled service.
Non-Scheduled Carriers:	Carriers not operating any unit toll scheduled service.
Revenue Classification of Canadian Carriers:	
Group I Carriers:	Trans-Canada Air Lines and Canadian Pacific Air Lines.
Group II Carriers:	All other carriers licensed to perform scheduled service plus two major transport carriers: Nordair Ltd. and Wheeler Air Lines Ltd.
Group III Carriers:	All carriers with gross annual flying revenues of \$400,000 and over which are not included in Groups I and II.
Group IV Carriers:	All carriers having gross annual flying revenues of \$60,000 and over but less than \$400,000, and, in addition, any carrier licensed to perform unit toll service with gross annual flying revenues under \$60,000.
Group V Carriers:	All carriers other than those licensed to perform unit toll service with gross annual flying revenues of less than \$60,000.

Air Cargo:	Air freight and air express.
Goods:	Air Cargo plus excess baggage and air mail.
Passenger Load Factors:	Ratio of revenue passenger-miles performed to available seat-miles.
Weight Load Factor:	Ratio of revenue ton-miles performed to available ton-miles.
Interline Traffic:	Passengers and goods received by a carrier either from foreign carriers (foreign interline) or from other Canadian carriers (domestic interline) or from other operating divisions of the same carrier (division interline).
International Services:	
Trans Border Services:	Services between Canada and the United States.
Southern Services:	Services between Canada and Bermuda, the Caribbean, Mexico or South America.
Trans Atlantic and Polar Services:	Services between Canada and Europe.
Pacific and Orient Services:	Services between Canada and points in the Pacific Ocean or the Orient.



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