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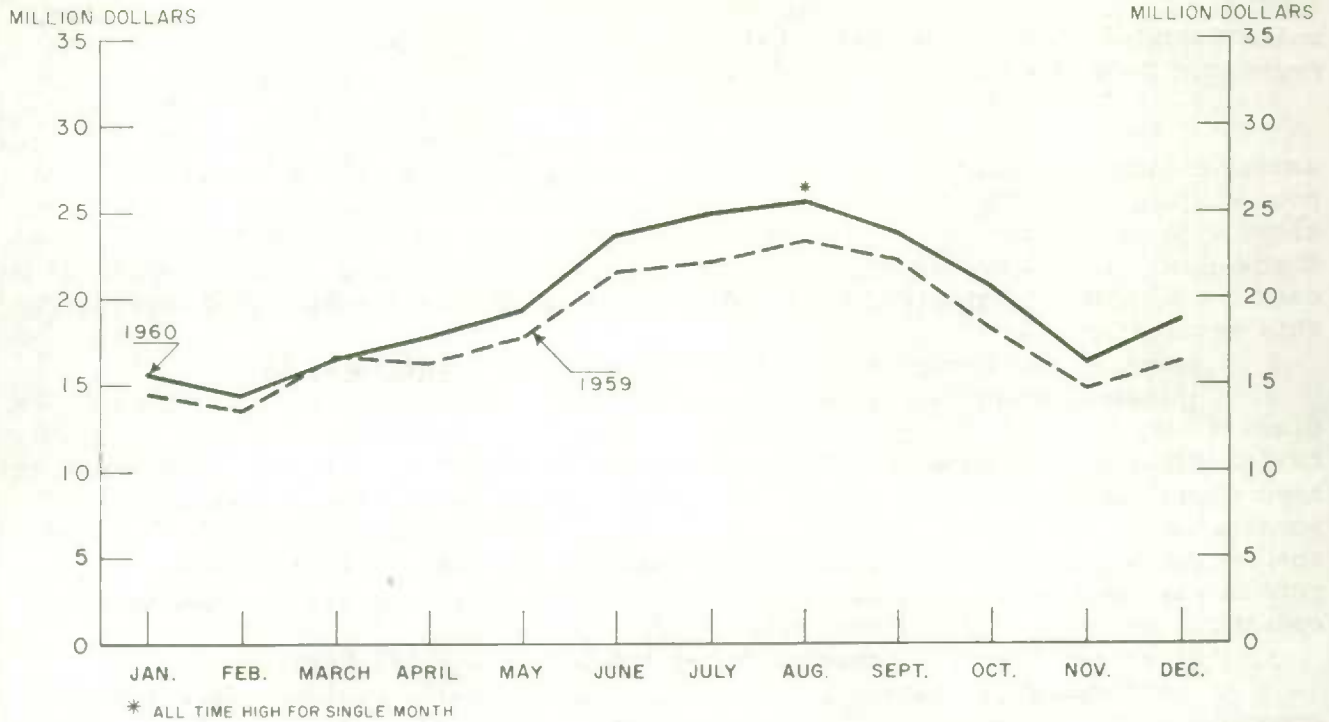
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## SYMBOLS

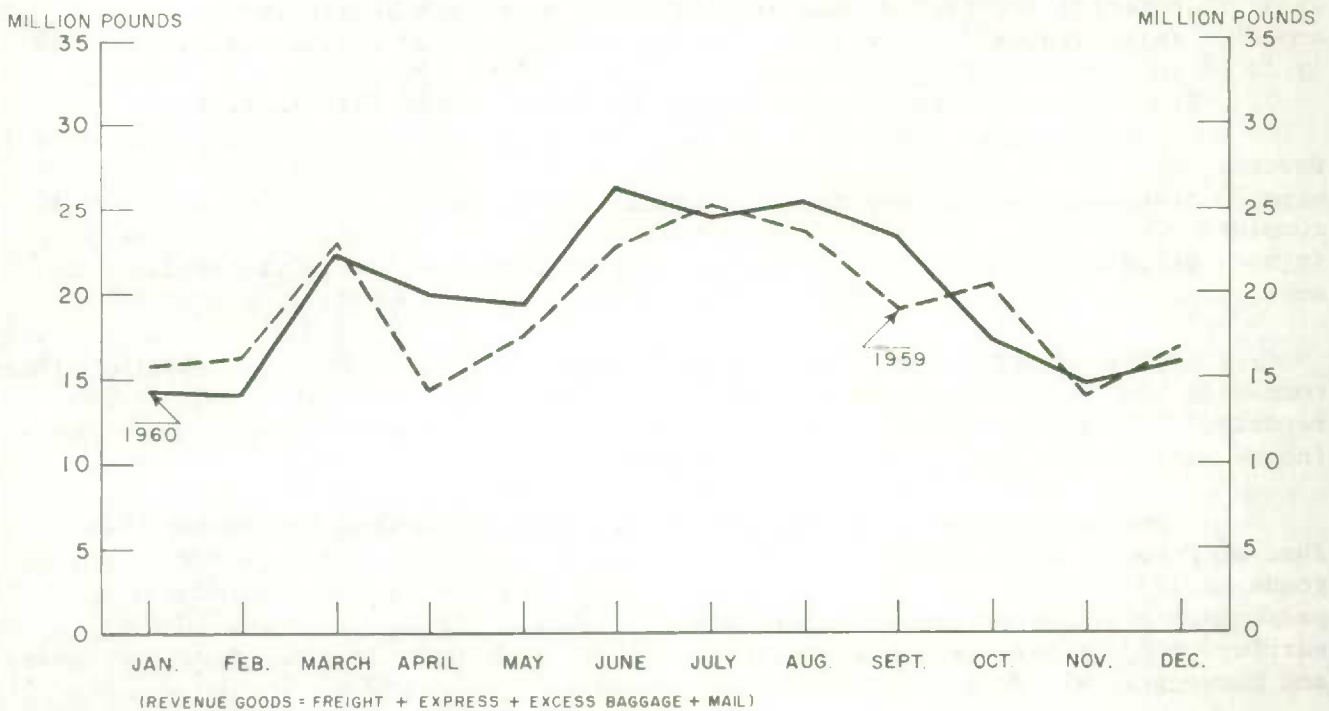
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- ... Figures are not applicable.
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## OPERATING REVENUE OF CANADIAN CARRIERS 1959 - 1960



## REVENUE GOODS CARRIED BY CANADIAN CARRIERS 1959 - 1960



## INTRODUCTION

This report presents a summary of monthly statements filed by Canadian Air Carriers and foreign air carriers licensed to operate in Canada. A more comprehensive annual report based on audited yearly statements will be published later under the title "Civil Aviation 1960". Data shown in this report are subject to revision.

In 1960, Canadian air carriers have been classified on the basis of gross annual flying revenues for the first time. The five groups of carriers which compose the new classification are defined in the last two pages of this publication along with definitions of civil aviation terminology. It should be noted, however, that Nordair Ltd. and Wheeler Air Lines Ltd., which were classified as Group II carriers by the Air Transport Board, have been included with Group III carriers in this report for statistical purposes.

Data for the Group V carriers which were mainly classified as Class C or Class D carriers previously are presented in tables 10 and 11 only. All other tables exclude the operations of this class of carrier. As a result, the number of reporting carriers shown in table 1 for 1960 is considerably below the corresponding total for 1959. In comparing industry totals for the two years, however, the exclusion of the Group V carriers is relatively insignificant as operating revenues of this class of carrier accounted for only 2.7 per cent of the total operating revenues of the industry in 1960.

The number of revenue passengers transported by Canadian air carriers amounted to 4,726,849 in 1960 as compared with 4,681,264 in 1959 and the volume of revenue goods aggregated 237,986,139 lbs. as against 235,883,141 lbs. In percentage terms, there was an increase of one per cent for both passengers and goods. Revenue miles flown, however, were down 2 per cent to 104,010,423 from 106,107,103. Operating revenues increased 7.7 per cent to \$237,429,895 from \$220,423,558 and operating expenses rose 9 per cent to \$239,205,991 from \$219,487,993. As a result, the operating deficit of \$1,776,096 was substantially greater than the deficit of \$935,565 reported for 1959. The deficit, after provision for income taxes, amounted to \$6,098,635 as compared with \$2,484,178 in the previous year, due mainly to an increase in interest expense which rose to \$9,173,831 from \$4,474,048.

In 1960, 89.2 per cent of all revenue passengers and 48.2 per cent of all revenue goods were carried on unit toll service. Corresponding figures for 1959 were 89.2 per cent and 46.4 per cent, respectively. It should be noted that a complete breakdown of unit toll services 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.

Data for companies operating helicopters only are shown in table 8. These companies operate approximately 75 per cent of all helicopters in Canada. They reported, in 1960, an operating income of \$521,778 as compared with an operating income of \$571,767 for 1959.

Foreign carriers transported 724,301 revenue passengers and 16,706,880 lbs. of revenue goods in 1960 as against 634,737 passengers and 14,066,974 lbs. of goods in 1959. This represented an increase of 14.1 per cent in the number of passengers and 18.8 per cent in the volume of goods. As in the past, foreign carriers are required to report hours and miles flown over Canadian territory only and passengers and goods in transit are excluded.

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

Preliminary Annual, 1960

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Grand total 1959
	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	61	77	83	10	8	101	201
<u>Transportation services:</u>									
Unit toll:									
Revenue departures .....	No.	233,284	12,214	6,153	18,367	251,651	..	..	..
Revenue hours flown .....	"	351,484	25,151	6,400	31,551	383,035	6,863	10,019	399,917
Revenue miles scheduled ...	"	70,748,702	...	...	...	70,748,702	1,881,034	3,146,358	75,776,094
Revenue miles flown:									
Scheduled services .....	"	71,762,588	...	...	...	71,762,588	1,695,121	3,657,701	77,115,410
Non-scheduled services ..	"	4,578,696	3,131,620	753,867	3,885,487	8,464,183	-	-	8,464,183
Totals .....	"	76,341,284	3,131,620	753,867	3,885,487	80,226,771	1,695,121	3,657,701	85,579,593
Revenue passengers carried	"	4,094,080	81,458	42,360	123,818	4,217,898	556,386	156,320	4,930,604
Revenue goods carried:									
Cargo .....	lb.	66,369,776	5,604,199	1,720,583	7,324,782	73,694,558	7,460,678	6,376,251	93,989,581
Excess baggage .....	"	6,138,882	133,199	186,013	319,212	6,458,094	)		
Mail .....	"	32,830,815	1,529,036	273,288	1,802,324	34,633,139	1,651,547	1,187,468	37,472,154
Totals .....	"	105,339,473	7,266,434	2,179,884	9,446,318	114,785,791	9,112,225	7,563,719	131,461,735
Revenue passenger-miles ...	No.	2,652,134,265	16,328,248	3,414,680	19,742,928	2,671,877,193	30,859,209	144,237,445	2,846,973,847
Revenue goods ton-miles:									
Cargo .....	"	31,687,017	1,827,266	110,903	1,938,169	33,625,186	)	233,817	3,494,636
Excess baggage .....	"	1,631,354	52,809	6,985	59,794	1,691,148	)		
Mail .....	"	13,444,830	251,511	9,750	261,261	13,706,091	42,894	572,381	14,321,366
Totals .....	"	46,763,201	2,131,586	127,638	2,259,224	49,022,425	276,711	4,067,017	53,366,153
Bulk:									
Revenue - Departure .....	"	29,152	58,387	98,133	156,520	185,672	..	..	185,672
Hours flown .....	"	31,836	105,608	91,855	197,463	229,299	7	572	229,878
Miles flown .....	"	4,396,097	10,037,537	9,350,018	19,387,555	23,783,652	1,951	159,929	23,945,532
Passengers carried	"	60,936	175,915	272,100	448,015	508,951	1,203	10,392	520,546
Freight carried .	lb.	17,973,846	74,022,542	31,203,960	105,226,502	123,200,348	30,936	-	123,231,284
<u>Non-transportation services:</u>									
Specialty flying:									
Revenue hours flown .....	No.	2,676	12,283	61,382	73,665	76,341	-	-	76,341
									155,022

See footnotes at end of table.

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

Preliminary Annual, 1960

		Canadian carriers				Foreign carriers(2)		Grand total all carriers	Grand total 1959	
		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					
<b>Total - All services:</b>										
<b>Traffic: (5)</b>										
<b>Revenue:</b>										
Departures .....	No.	262,436	70,601	104,286	174,887	437,323	..	..	..	
Hours flown .....	"	385,996	143,042	159,637	302,679	688,675	6,870	10,591	706,136	
Miles flown .....	"	80,737,381	13,169,157	10,103,885	23,273,042	104,010,423	1,697,072	3,817,630	109,525,125	
Passengers carried .....	"	4,155,016	257,373	314,460	571,833	4,726,849	557,589	166,712	5,451,150	
Cargo carried .....	lb.	84,343,622	79,626,741	32,924,543	112,551,284	196,894,906	7,491,614(6)	6,376,251(6)	217,220,865(6)	
Goods carried .....	"	123,313,319	81,288,976	33,383,844	114,672,820	237,986,139	9,143,161	7,563,719	254,693,019	
<b>Non-revenue:</b>										
Hours flown .....	No.	12,303	6,646	5,207	11,853	24,156	29	4	24,189	
Passengers carried .....	"	..	1,334	349	1,683	..	8,954	7,387	..	
Goods carried .....	lb.	..	238,536	10,201	248,737	..	249,679	811,217	..	
Passenger-miles .....	No.	126,300,404	752,537	19,717	772,254	127,072,658	691,246	5,842,917	133,606,821	
Goods ton-miles .....	"	5,143,080	88,105	13,768	101,873	5,244,953	22,656	309,838	5,577,447	
<b>Fuel consumed:</b>										
Turbo fuel - Quantity ....	gal.	83,126,700	-	-	-	83,126,700	3,331,726	15,520,293	101,978,719	
Cost .....	\$	12,218,677	-	-	-	12,218,677	642,973	2,939,106	15,800,756	
Gasoline - Quantity .....	gal.	46,188,501	7,373,320	2,674,149	10,047,469	56,235,970	2,726,672	5,515,564	64,478,206	
Cost .....	\$	13,565,682	2,918,579	1,174,839	4,093,418	17,659,100	798,407	1,387,464	19,844,971	
<b>Oil consumed:</b>										
Turbo aircraft - Quantity	gal.	17,480	-	-	-	17,480	627	745	18,852	
Cost ....	\$	79,828	-	-	-	79,828	4,329	7,514	91,671	
Other aircraft - Quantity	gal.	647,892	100,337	45,812	146,149	794,041	30,036	42,035	866,112	
Cost ....	\$	599,339	149,131	72,756	221,887	821,226	24,897	85,552	931,675	
<b>Average number of employees:</b>										
Flying personnel .....	No.	2,248	389	248	637	2,885	..	..	..	
Other personnel .....	"	12,926	731	538	1,269	14,195	..	..	..	
Totals .....	"	15,174	1,120	786	1,906	17,080	296	588	17,964	
<b>Salaries and wages paid:</b>										
Flying personnel .....	\$	18,486,597	2,946,870	1,637,510	4,584,380	23,070,977	..	..	..	
Other personnel .....	\$	65,767,386	3,677,427	2,428,865	6,106,292	71,873,678	..	..	..	
Totals .....	\$	84,253,983	6,624,297	4,066,375	10,690,672	94,944,655	1,549,934	2,974,596	99,469,185	
									87,846,765	

(1) Nordair Ltd., and Wheeler Air Lines 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  
Preliminary Annual, 1960

	Scheduled carriers			Non-scheduled carriers			Grand total	Grand Total 1959
	Group I	Group II(1)	Total	Group III(1)	Group IV	Total		
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers .....	157,771,630	8,254,821	166,026,451	2,252,940	521,460	2,774,400	168,800,851	152,317,247
Express .....	2,785,950	614,649	3,400,599	115,976	33,085	149,061	3,549,660	3,630,738
Freight .....	7,458,922	2,371,147	9,830,069	995,394	71,313	1,066,707	10,896,776	9,201,872
Excess baggage .....	1,443,662	300,724	1,744,386	60,457	19,669	80,126	1,824,512	1,716,602
Mail .....	11,998,790	1,090,487	13,089,277	638,378	57,850	696,228	13,785,505	13,437,772
Total unit toll transportation .....	181,458,954	12,631,828	194,090,782	4,063,145	703,377	4,766,522	198,857,304	180,304,231
Bulk transportation .....	1,590,880	5,172,217	6,763,097	14,780,675	7,283,053	22,063,728	28,826,825	29,003,250
Total transportation .....	183,049,834	17,804,045	200,853,879	18,843,820	7,986,430	26,830,250	227,684,129	209,307,481
Specialty flying services .....	25,814	239,137	264,951	2,386,309	2,381,852	4,768,161	5,033,112	6,491,202
Total flying services .....	183,075,648	18,043,182	201,118,830	21,230,129	10,368,282	31,598,411	232,717,241	215,798,683
Non-flying services .....	2,062,529	313,996	2,376,525	1,038,545	1,297,584	2,336,129	4,712,654	4,624,875
Total operating revenues .....	185,138,177	18,357,178	203,495,355	22,268,674	11,665,866	33,934,540	237,429,895	220,423,558
Operating expenses:								
Flying operations .....	48,231,939	6,852,085	55,084,024	8,992,697	4,817,821	13,810,518	68,894,542	(2)
Maintenance .....	45,319,982	3,851,308	49,171,290	5,916,291	2,979,754	8,896,045	58,067,335	(2)
General services and administration:								
Passenger service .....	14,755,538	319,455	15,074,993	..	..	..	..	(2)
Aircraft and traffic servicing .....	29,033,348	2,773,455	31,806,803	..	..	..	..	(2)
Promotion and sales .....	27,673,323	996,158	28,669,481	..	..	..	..	(2)
General administration .....	7,681,815	1,505,312	9,187,127	..	..	..	..	(2)
Totals .....	79,144,024	5,594,380	84,738,404	3,724,195	1,775,537	5,499,732	90,238,136	(2)
Depreciation and amortization .....	16,554,972	1,788,848	18,343,820	2,132,000	1,530,158	3,662,158	22,005,978	(2)
Total operating expenses .....	189,250,917	18,086,621	207,337,538	20,765,183	11,103,270	31,868,453	239,205,991	219,487,993
Operating income (loss) .....	Dr. 4,112,740	270,557	Dr. 3,842,183	1,503,491	562,596	2,066,087	Dr. 1,776,096	935,565
Non-operating income - net:								
Capital gains and losses .....	303,065	255,892	558,957	72,505	138,345	210,850	769,807	)
Interest and discounts .....	4,133,380	174,134	4,307,514	10,670	30,677	41,347	4,348,861	) 1,763,143
Miscellaneous non-operating income .....	357,175	52,277	409,452	35,710	25,577	61,287	470,739	)
Income before interest expense .....	680,880	752,860	1,433,740	1,622,376	757,195	2,379,571	3,813,311	2,698,708
Interest expense .....	8,104,403	492,160	8,596,563	331,371	245,897	577,268	9,173,831	4,474,048
Income before income taxes .....	Dr. 7,423,523	260,700	Dr. 7,162,823	1,291,005	511,298	1,802,303	Dr. 5,360,520	Dr. 1,775,340
Provision for income taxes .....	7,839	107,599	115,438	584,566	38,111	622,677	738,115	708,838
Net income after income taxes .....	Dr. 7,431,362	153,101	Dr. 7,278,261	706,439	473,187	1,179,626	Dr. 6,098,635	Dr. 2,484,178

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

(2) Not available due to a different classification.

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

Preliminary Annual, 1960

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
	dollars						
Operating revenues:							
Unit toll transportation:							
Passengers .....	30,175,936	1,203,530	2,760,094	2,824,293	1,466,904	127,595,694	166,026,451
Express .....	199,073	-	170,999	423,983	19,667	2,586,877	3,400,599
Freight .....	2,114,489	1,306,271	781,633	-	283,243	5,344,433	9,830,069
Excess baggage .....	311,933	24,920	142,289	103,902	29,613	1,131,729	1,744,386
Mail .....	1,754,598	244,773	521,295	126,726	197,693	10,244,192	13,089,277
Total unit toll transportation .....	34,556,029	2,779,494	4,376,310	3,478,904	1,997,120	146,902,925	194,090,782
Bulk transportation .....	1,109,822	289,959	3,997,968	112,309	771,981	481,058	6,763,097
Total transportation .....	35,665,851	3,069,453	8,374,278	3,591,213	2,769,101	147,383,983	200,853,879
Specialty flying services .....	-	-	184,627	-	54,510	25,814	264,951
Total flying services .....	35,665,851	3,069,453	8,558,905	3,591,213	2,823,611	147,409,797	201,118,830
Non-flying services .....	485,800	175,665	89,615	11,496	37,220	1,576,729	2,376,525
Total operating revenues .....	36,151,651	3,245,118	8,648,520	3,602,709	2,860,831	148,986,526	203,495,355
Operating expenses:							
Flying operations .....	13,381,841	1,062,089	3,425,803	1,286,558	1,077,635	34,850,098	55,084,024
Maintenance .....	8,287,200	596,546	1,438,686	956,722	859,354	37,032,782	49,171,290
General services and administrations:							
Passenger service .....	3,182,662	95,202	126,386	61,683	36,184	11,572,876	15,074,993
Aircraft and traffic servicing .....	5,656,300	414,190	1,994,415	241,772	123,078	23,377,048	31,806,803
Promotion and sales .....	5,873,291	73,564	272,448	427,844	222,302	21,800,032	28,669,481
General administration .....	2,052,006	292,460	756,211	260,455	196,186	5,629,809	9,187,127
Totals .....	16,764,259	875,416	3,149,460	991,754	577,750	62,379,765	84,738,404
Depreciation and amortization .....	2,883,669	417,955	803,526	373,973	193,394	13,671,303	18,343,820
Total operating expenses .....	41,316,969	2,952,006	8,817,475	3,609,007	2,708,133	147,933,948	207,337,538
Operating income (loss) .....	Dr. 5,165,318	293,112	Dr. 168,955	Dr. 6,298	152,698	1,052,578	Dr. 3,842,183
Non-operating income - net:							
Capital gains and losses .....	86,770	315,507	Dr. 67,356	Dr. 3,135	10,876	216,295	558,957
Interest and discounts .....	82,390	168,422	-	13	5,699	4,050,990	4,307,514
Miscellaneous non-operating income .....	179,083	14,254	37,174	600	249	178,092	409,452
Income before interest expense .....	Dr. 4,817,075	791,295	Dr. 199,137	Dr. 8,820	169,522	5,497,955	1,433,740
Interest expense .....	6,937	110,365	129,774	126,623	125,398	8,097,466	8,596,563
Income before income taxes .....	Dr. 4,824,012	680,930	Dr. 328,911	Dr. 135,443	44,124	Dr. 2,599,511	Dr. 7,162,823
Provision for income taxes .....	-	47,599	60,000	-	-	7,839	115,438
Net income after income taxes .....	Dr. 4,824,012	633,331	Dr. 388,911	Dr. 135,443	44,124	Dr. 2,607,350	Dr. 7,278,261

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company  
Preliminary Annual, 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>Transportation services</b>										
Unit toll:										
Revenue departures .....	No.	19,206	168,569	187,775	8,687	14,310	14,456	8,056	45,509	233,284
Revenue hours flown .....	"	45,018	258,960	303,978	9,418	17,346	11,359	9,383	47,506	351,484
Revenue miles scheduled .....	"	11,470,397	56,100,171	67,570,568	321,317	1,084,570	1,452,689	319,558	3,178,134	70,748,702
Revenue miles flown:										
Scheduled services - Regular .....	"	11,253,929	54,834,843	66,088,772	295,465	1,008,272	1,176,283	312,958	2,792,978	68,881,750
Extra section .....	"	235,061	2,393,666	2,628,727	20,081	43,471	121,090	67,469	252,111	2,880,838
Non-scheduled services .....	"	498,490	-	498,490	1,262,731	1,426,135	525,494	865,846	4,080,206	4,578,696
Totals .....	"	11,987,480	57,228,509	69,215,989	1,578,277	2,477,878	1,822,867	1,246,273	7,125,295	76,341,284
Ratio of regular miles flown to miles scheduled .....		98.1	97.7	...	92.0	93.0	81.0	97.9	...	...
Revenue passengers carried .....	No.	336,072	3,421,221	3,757,293	56,601	120,259	118,151	41,776	336,787	4,094,080
Revenue goods carried:										
Express .....	lb.	791,582	8,158,093	8,949,675	-	395,111	3,099,794	120,896	3,615,801	12,565,476
Freight .....	"	3,632,496	31,284,766	34,917,262	12,143,270	5,025,577	-	1,718,191	18,887,038	53,804,300
Excess baggage .....	"	548,984	4,193,438	4,742,422	150,758	372,371	755,394	117,937	1,396,460	6,138,882
Mail .....	"	1,949,254	26,290,776	28,240,030	1,342,309	1,617,698	1,024,504	606,274	4,590,785	32,830,815
Totals .....	"	6,922,316	69,927,073	76,849,389	13,636,337	7,410,757	4,879,692	2,563,298	28,490,084	105,339,473
Revenue passenger-miles:										
Scheduled services .....	No.	505,433,621	2,040,877,297	2,546,310,918	3,665,305	13,751,650	23,156,255	6,009,234	46,582,444	2,592,893,362
Non-scheduled services .....	"	13,137,634	-	13,137,634	8,952,558	19,043,824	7,925,349	10,181,538	46,103,269	59,240,903
Totals .....	"	518,571,255	2,040,877,297	2,559,448,552	12,617,863	32,795,474	31,081,604	16,190,772	92,685,713	2,652,134,265
Available seat-miles on scheduled services .....	"	892,035,410	3,095,283,608	3,987,319,018	8,204,170	28,097,061	43,952,258	..	..	..
Passenger load factor on scheduled services .....		56.7	65.9	...	44.7	48.9	52.7	..	..	..
Revenue goods ton-miles:										
Express - Scheduled services .....	No.	221,349	2,886,829	3,108,178	-	1,613	268,633	10,152	280,398	3,388,576
Non-scheduled services .....	"	9,299	-	9,299	-	126,349	125,038	29,547	280,934	290,233
Totals .....	"	230,648	2,886,829	3,117,477	-	127,962	393,671	39,699	561,332	3,678,809
Freight - Scheduled services .....	"	5,377,528	17,904,366	23,281,894	26,485	46,464	-	9,546	82,495	23,364,389
Non-scheduled services .....	"	19,637	-	19,637	2,937,887	1,409,136	-	277,159	4,624,182	4,643,819
Totals .....	"	5,397,165	17,904,366	23,301,531	2,964,372	1,455,600	-	286,705	4,706,677	28,008,208

See footnotes at end of table.

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

Preliminary Annual, 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.	342,245	1,047,566	1,389,811	3,114	16,519	68,556	8,251	96,440	1,486,251
Non-scheduled services .....	6,231	-	6,231	20,910	64,304	32,457	21,201	138,872	145,103
Totals .....	348,476	1,047,566	1,396,042	24,024	80,823	101,013	29,452	235,312	1,631,354
Mail - Scheduled services .....	1,288,846	11,336,188	12,625,034	45,392	10,736	76,908	23,412	156,448	12,781,482
Non-scheduled services .....	43,973	-	43,973	96,098	447,258	11,638	64,381	619,375	663,348
Totals.....	1,332,819	11,336,188	12,669,007	141,490	457,994	88,546	87,793	775,823	13,444,830
Total - Scheduled services .....	7,229,968	33,174,949	40,404,917	74,991	75,332	414,097	51,361	615,781	41,020,698
Non-scheduled services .....	79,140	-	79,140	3,054,895	2,047,047	169,133	392,288	5,663,363	5,742,503
Totals.....	7,309,108	33,174,949	40,484,057	3,129,886	2,122,379	583,230	443,649	6,279,144	46,763,201
Available ton-miles on scheduled services .....	110,523,947	401,117,114	511,641,061	832,435	2,858,158	4,698,798	1,257,669	9,647,060	521,288,121
Weight load factor on scheduled services (2) .....	52.3	59.2	...	53.0	50.7	58.1	51.9	...	...
Bulk:									
Revenue - Departures .....	105	494	599	600	20,740	671	6,542	28,553	29,152
Hours flown .....	1,439	1,082	2,521	1,074	22,041	589	5,611	29,315	31,836
Miles flown .....	398,310	228,064	626,374	183,814	2,830,147	85,921	669,841	3,769,723	4,396,097
Passengers carried .....	7,310	11,934	19,244	4,568	28,908	1,466	6,750	41,692	60,936
Freight carried .....	-	359,660	359,660	1,107,505	11,196,181	1,077,415	4,233,085	17,614,186	17,973,846
<u>Non-transportation services</u>									
Specialty flying:									
Revenue hours flown .....	-	111	111	-	2,366	-	199	2,565	2,676
<u>Total - All services</u>									
Traffic: (3)									
Revenue:									
Departures .....	19,311	169,063	188,374	9,287	35,050	15,127	14,598	74,062	262,436
Hours flown .....	46,457	260,153	306,610	10,492	41,753	11,948	15,193	79,386	385,996
Miles flown .....	12,385,790	57,456,573	69,842,363	1,762,091	5,308,025	1,908,788	1,916,114	10,895,018	80,737,381
Passengers carried .....	343,382	3,433,155	3,776,537	61,169	149,167	119,617	48,526	378,479	4,155,016
Cargo carried .....	4,424,078	39,802,519	44,226,597	13,250,775	16,616,869	4,177,209	6,072,172	40,117,025	84,343,622
Goods carried .....	6,922,316	70,286,733	77,209,049	14,743,842	18,606,938	5,957,107	6,796,383	46,104,270	123,313,319

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Concluded  
Preliminary Annual, 1960

	Group I carriers			Group II carriers					Grand <sup>(1)</sup> 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.	2,428	6,206	8,634	275	2,054	823	517	3,669	12,303
Passengers carried .....	"	10,135	..	..	1,805	2,131	1,645	1,146	6,727	..
Goods carried .....	lb.	1,070,059	..	..	636,927	245,022	-	107,395	989,344	..
Passenger-miles .....	No.	20,641,728	103,129,903	123,771,631	573,982	850,832	410,725	693,234	2,528,773	126,300,404
Goods ton-miles .....	"	1,602,623	3,212,938	4,815,561	144,953	148,157	-	34,409	327,519	5,143,080
<b>Fuel consumed:</b>										
Turbo fuel - Quantity .....	gal.	16,330,352	65,042,327	81,372,679	448,338	-	1,305,683	-	1,754,021	83,126,700
Cost .....	\$	2,902,914	8,916,008	11,818,922	106,694	-	293,061	-	399,755	12,218,677
Gasoline - Quantity .....	gal.	6,738,921	33,205,741	39,944,662	1,192,799	3,392,495	594,536	1,064,009	6,243,839	46,188,501
Cost .....	\$	2,075,664	8,896,983	10,972,647	377,666	1,497,782	213,770	503,817	2,593,035	13,565,682
<b>Oil consumed:</b>										
Turbo aircraft - Quantity .....	gal.	4,388	12,449	16,837	93	-	550	-	643	17,480
Cost .....	\$	41,821	29,848(4)	71,669	1,165	-	6,994	-	8,159	79,828
Other aircraft - Quantity .....	gal.	89,211	481,428	570,639	14,876	40,713	7,043	14,621	77,253	647,892
Cost .....	\$	116,772	395,219	511,991	14,206	50,360	8,161	14,621	87,348	599,339
<b>Average number of employees:</b>										
Flying personnel .....	No.	414	1,591	2,005	33	120	46	44	243	2,248
Other personnel .....	"	2,269	9,604	11,873	153	508	230	162	1,053	12,926
Totals .....	"	2,683	11,195	13,878	186	628	276	206	1,296	15,174
<b>Salaries and wages paid:</b>										
Flying personnel .....	\$	3,708,192	13,070,977	16,779,169	280,688	984,828	289,889	317,003	1,872,408	18,651,577
Other personnel .....	\$	10,641,358	50,801,531	61,442,889	774,112	2,296,002	958,158	681,738	4,710,010	66,152,899
Totals .....	\$	14,349,550	63,872,508	78,222,058	1,054,800	3,280,830	1,248,047	998,741	6,582,418	84,804,476

(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.

(4) Includes adjustment for reclaimed oil.

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

Preliminary Annual, 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.	275,541	51,422	116,311	117,967	36,224	2,930,990	3,528,455
Domestic interline .....	"	29,892	5,179	-	184	-	490,231	554,344
Foreign interline .....	"	28,858	-	-	-	-		
Totals (2) .....	"	334,291	56,601	116,311	118,151	36,224	3,421,221	4,082,799
Revenue express carried:								
Originated .....	lb.	791,582	-	395,111	3,099,794	120,896	8,158,093	12,565,476
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	791,582	-	395,111	3,099,794	120,896	8,158,093	12,565,476
Revenue freight carried:								
Originated .....	"	2,449,875	6,172,419	4,891,062	-	545,645	31,284,766	45,343,767
Domestic interline .....	"	147,248	4,247	-	-	-	-	151,495
Foreign interline .....	"	629,147	-	-	-	-	-	629,147
Totals (2) .....	"	3,226,270	6,176,666	4,891,062	-	545,645	31,284,766	46,124,409
Revenue excess baggage carried:								
Originated .....	"	491,395	147,463	367,352	755,394	99,703	3,886,032	5,747,339
Domestic interline .....	"	28,592	3,304	-	-	-	29,439	61,335
Foreign interline .....	"	27,170	-	-	-	-	277,967	305,137
Totals (2) .....	"	547,157	150,767	367,352	755,394	99,703	4,193,438	6,113,811
Revenue mail carried:								
Originated .....	"	1,949,254	1,342,309	1,590,210	1,024,504	208,471	26,290,776	32,405,524
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	1,949,254	1,342,309	1,590,210	1,024,504	208,471	26,290,776	32,405,524

(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

Preliminary Annual, 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.	31,783	5,014	3,305	1,294	41,396	146,379	187,775
Revenue hours flown .....	"	53,807	26,097	14,060	9,187	103,151	200,827	303,978
Revenue miles scheduled .....	"	11,156,964	7,804,022	3,446,524	2,804,493	25,212,003	42,358,565	67,570,568
Revenue miles flown:								
Scheduled services - Regular .....	"	10,784,509	7,656,842	3,431,920	2,738,469	24,611,740	41,477,032	66,088,772
Extra sections .....	"	564,918	221,084	108,650	35,773	930,425	1,698,302	2,628,727
Non-scheduled services .....	"	-	-	-	-	-	498,490	498,490
Totals .....	"	11,349,427	7,877,926	3,540,570	2,774,242	25,542,165	43,673,824	69,215,989
Ratio of regular miles flown to miles scheduled .....		96.7	98.1	99.6	97.6	97.6	97.9	97.8
Revenue passenger-miles .....	No.	340,544,630	454,594,806	115,743,663	111,148,998	1,022,032,097	1,537,416,455	2,559,448,552
Available seat-miles on scheduled services .....	"	503,407,318	724,573,420	228,781,024	215,776,798	1,672,538,560	2,314,780,458	3,987,319,018
Passenger load factor on scheduled services .....		67.6	62.7	50.6	51.5	61.1	65.8	63.9
Revenue goods ton-miles:								
Express .....	No.	440,221	-	-	-	440,221	2,677,256	3,117,477
Freight .....	"	1,753,752	5,827,042	888,674	2,504,446	10,973,914	12,327,617	23,301,531
Excess baggage .....	"	221,686	204,767	122,813	57,462	606,728	789,314	1,396,042
Mail .....	"	401,258	2,033,186	251,601	601,566	3,287,611	9,381,396	12,669,007
Totals .....	"	2,816,917	8,064,995	1,263,088	3,163,474	15,308,474	25,175,583	40,484,057
Available ton-miles on scheduled services .....	"	58,576,443	85,904,877	28,594,158	27,175,119	200,250,597	311,390,464	511,641,061
Weight load factor on scheduled services (1) .....		62.9	62.3	44.9	52.5	58.7	57.0	57.7

(1) Standard passenger weight used: 200 pounds.

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

Preliminary Annual, 1960

	Revenue hours	Revenue earned
	No.	\$
Flying training .....	42,245	683,410
Recreational flying .....	6,755	135,685
Aerial photography and survey .....	7,468	1,410,129
Aerial photography (excl. survey) .....	1,606	129,400
Aerial pest control .....	2,069	817,365
Aerial advertising .....	109	6,044
Aerial patrol and inspection .....	11,189	1,093,340
Philanthropic .....	87	Dr. 866
Aerial fish cultivation .....	54	4,014
Geophysical survey .....	4,125	583,285
Non-transportation charter .....	359	45,789
Other specialty flying .....	275	37,337
Total specialty flying .....	76,341	4,944,932

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

Preliminary Annual, 1960

	1960	1959
Revenue hours flown .....	No. 44,388	56,116
Average number of aircraft .....	" 102	110
Average number of employees:		
Flying personnel .....	" 185	..
Other personnel .....	" 139	..
Totals .....	" 324	331
Salaries and wages paid:		
Flying personnel .....	\$ 1,151,855	..
Other personnel .....	\$ 828,103	..
Totals .....	\$ 1,979,958	2,140,634
Operating revenues:		
Bulk transportation .....	\$ 5,248,536	4,172,502
Other flying services .....	\$ 213,213	1,260,328
Non-flying services .....	\$ 345,590	248,447
Totals .....	\$ 5,807,339	5,681,277
Operating expenses:		
Flying operations .....	\$ 2,168,091	(1)
Maintenance .....	\$ 1,283,633	(1)
General services and administration ....	\$ 842,882	(1)
Depreciation and amortization .....	\$ 990,955	(1)
Totals .....	\$ 5,285,561	5,109,510
Operating income (Loss) .....	\$ 521,778	571,767
Net income (deficit) after income taxes .....	\$ 451,113	402,151

(1) Not available due to a different classification.

TABLE 9. Transportation Statistics, Foreign Carriers - Unit Toll Services, by Area of Service  
Preliminary Annual, 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 .....	251,481	255,716	507,197	24,819	42,265	67,084	3,230	3,443	6,673	279,530	301,424	580,954
1958 .....	221,949	215,795	437,744	36,605	48,980	85,585	2,625	2,086	4,711	261,179	266,861	528,040
1959 .....	264,431	250,480	514,911	47,939	61,666	109,605	2,583	2,328	4,911	314,953	314,474	629,427
1960 .....	282,726	273,917	556,643	68,298	80,327	148,625	3,817	3,621	7,438	354,841	357,865	712,706
Revenue freight, express and excess baggage carried:	lbs.											
1957 .....	882,821	5,976,204	6,859,025	309,213	1,230,177	1,539,390	49,362	32,382	81,744	1,241,396	7,238,763	8,480,159
1958 .....	745,699	5,441,152	6,186,851	495,693	1,619,200	2,114,893	26,164	12,033	38,197	1,267,556	7,072,385	8,339,941
1959 .....	1,078,732	6,325,130	7,403,862	653,974	2,873,447	3,527,421	41,090	17,450	58,540	1,773,796	9,216,027	10,989,823
1960 .....	1,175,118	6,385,074	7,560,192	1,115,845	5,084,525	6,200,370	64,674	11,693	76,367	2,355,637	11,481,292	13,836,929
Mail carried:												
1957 .....	428,183	1,068,307	1,496,490	39,671	621,245	660,916	1,571	4,965	6,536	469,425	1,694,517	2,163,942
1958 .....	438,353	927,611	1,365,964	35,980	805,799	841,779	4,597	5,769	10,366	478,930	1,739,179	2,218,109
1959 .....	520,026	1,084,697	1,604,723	48,937	949,381	998,318	3,817	5,810	9,627	572,780	2,039,888	2,612,668
1960 .....	542,404	1,109,162	1,651,566	353,108	930,512	1,283,620	6,960	4,211	11,171	902,472	2,043,885	2,946,357

TABLE 10. Operating Statistics, Canadian Group V Carriers

Preliminary Annual, 1960

	Quantity
Number of reporting carriers .....	179
Bulk transportation:	
Revenue hours flown .....	No. 53,106
Revenue passengers carried .....	" 102,061
Revenue goods carried .....	lb. 6,945,559
Specialty flying services:	
Revenue hours flown:	
Flying training .....	No. 56,976
Recreational flying .....	" 13,477
Aerial photography and survey .....	" 100
Aerial photography (excl. survey) .....	" 136
Aerial pest control .....	" 4,587
Aerial advertising .....	" 47
Aerial patrol and inspection .....	" 5,118
Philanthropic .....	" -
Aerial fish cultivation .....	" -
Geophysical survey .....	" 1,532
Non-transportation charter .....	" 1,756
Other specialty flying .....	" 3,430
Total specialty flying services .....	" 87,159
Total - All services:	
Revenue hours flown .....	" 140,265
Non-revenue hours flown .....	" 8,401

TABLE 11. Revenues and Expenses, Canadian Group V Carriers

Preliminary Annual, 1960

	Value
	dollars
Operating revenues:	
Bulk transportation .....	2,660,513
Specialty flying services .....	2,070,263
Total flying services .....	4,730,776
Non-flying services .....	1,769,310
Total operating revenues .....	6,500,086
Operating expenses:	
Flying operations .....	2,630,771
Maintenance .....	1,181,924
General services and administration .....	1,694,444
Depreciation .....	853,574
Total operating expenses .....	6,360,713
Operating income (loss)	139,373
Non-operating income - net	Dr. 24,694
Income before income taxes	114,679
Provision for income taxes	64,184
Net income after income taxes	50,495

## CIVIL AVIATION DEFINITIONS

- Unit Toll Transportation:** Transportation of passengers or goods at a toll per unit. It includes:
- (i) the scheduled services, which provide transportation between designated points in accordance with a schedule; and
  - (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.
- 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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