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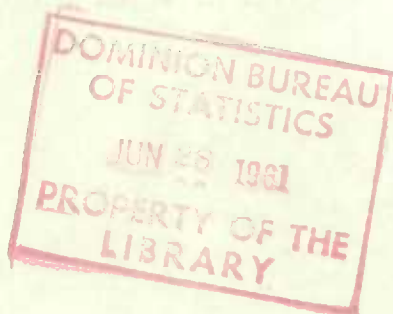


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# CIVIL AVIATION

## NOVEMBER 1960



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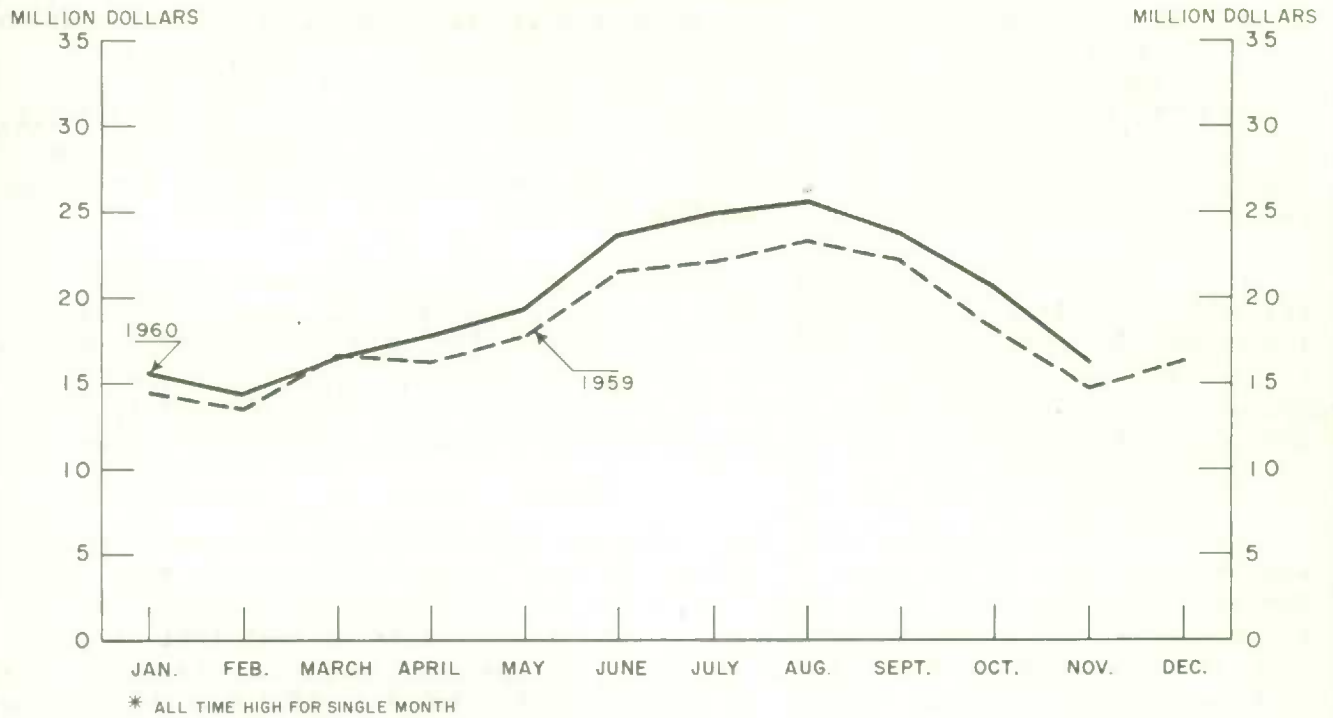
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## SYMBOLS

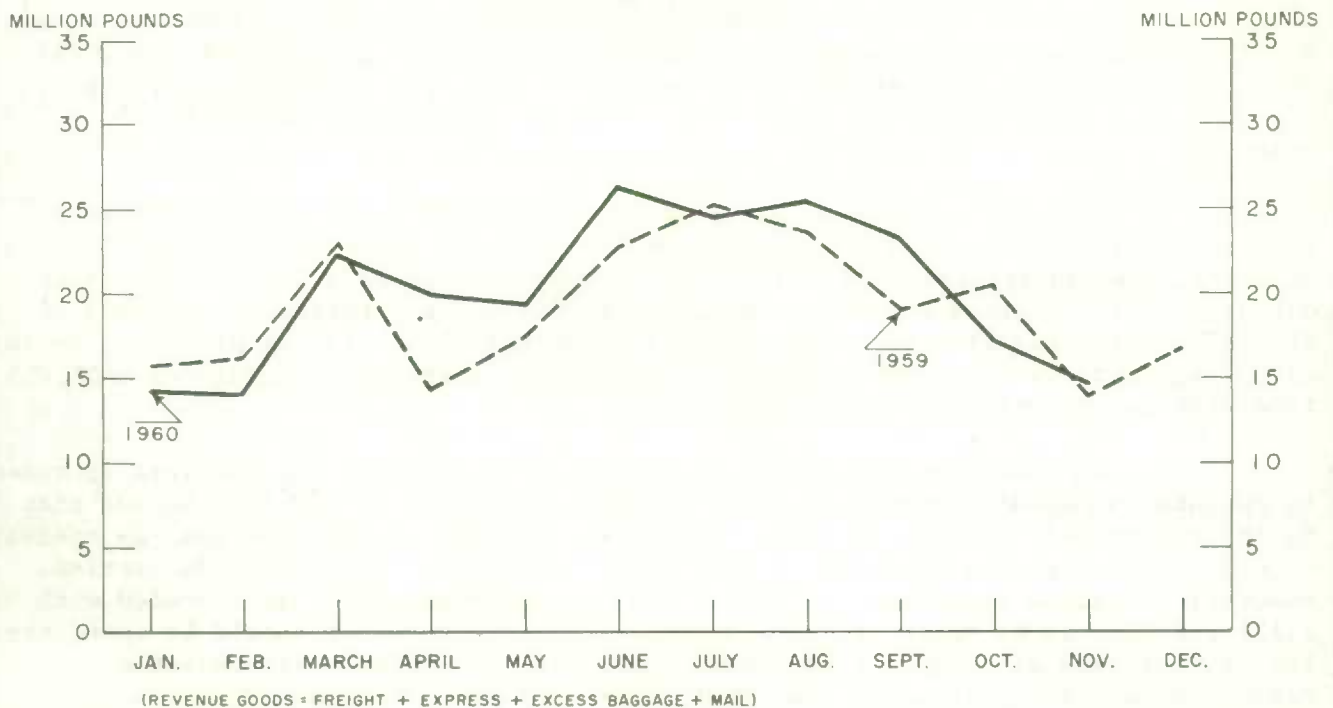
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- .. Figures are not available.
- ... Figures are not applicable.
- Nil or Zero.

## OPERATING REVENUE OF CANADIAN CARRIERS 1959 - 1960



## REVENUE GOODS CARRIED BY CANADIAN CARRIERS 1959 - 1960



## INTRODUCTION

In November, there was a slight decrease in the number of revenue passengers transported by Canadian Air carriers, as compared with the corresponding month of 1959, but the volume of goods carried was substantially higher. Passengers decreased .9 per cent to 324,913 from 327,962 whereas goods rose 6.1 per cent to 14,783,385 lbs. from 13,938,712 lbs. Revenue miles flown declined 5.8 per cent to 6,663,926 from 7,072,621 in the previous month of November. Both operating revenues and operating expenses were up, the revenues rising 9.1 per cent to \$16,178,552 from \$14,829,200 and the expenses increasing 12.5 per cent to \$19,722,628 from \$17,534,526. The operating loss of \$3,544,076 was larger than the one reported in November 1959 (\$2,705,326) and the deficit, after provision for income taxes, rose to \$3,964,873 from \$2,946,562 last year.

In the eleven month period, January to November, more revenue passengers and more revenue goods were carried than in the same period of 1959. The number of passengers increased 2.9 per cent to 4,381,812 from 4,259,127 and the volume of goods rose 4.7 per cent to 221,548,197 lbs. from 211,625,017 lbs. Operating revenues increased 8.6 per cent in the period, to \$218,246,833 from \$201,027,978, but did not keep pace with operating expenses which rose 11 per cent to \$219,739,017 from \$197,954,460.

In the month of November, 95.4 per cent of the total revenue passengers and 64.1 per cent of the total revenue goods were carried on unit toll services. Corresponding figures for the same month of 1959 are 95 per cent and 68.5 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.

The six scheduled carriers transported, in November, 1960, 305,332 revenue passengers or 94 per cent of the total and 9,403,306 lbs. of revenue goods or 63.6 per cent of the total. In November, 1959, these scheduled carriers transported 310,420 revenue passengers or 94.7 per cent of all passengers carried and 9,265,570 lbs. of revenue goods or 66.5 per cent of the total. The scheduled carriers also earned, this year, 89.8 per cent of the operating revenues reported by all Canadian air carriers and were responsible for 87.4 per cent of the total operating expenses. In November of the previous year, the scheduled carriers reported 89.6 per cent of the total revenues and 87.8 per cent of the total expenses.

Data for companies operating helicopters only are shown in Table 8. Such companies operate approximately 75 per cent of all helicopters in Canada. In November, they flew a total of 961 revenue hours as compared with 1,430 hours in October. They reported operating revenues of \$251,147 and operating expenses of \$568,877, which resulted in an operating loss of \$317,730. In the preceding month, operating revenues amounted to \$292,028 and operating expenses aggregated \$381,255, resulting in an operating loss of \$89,227.

In November, for the first time in 1960, foreign air carriers licensed to operate in Canada transported fewer revenue passengers to and from Canada than in the corresponding month of 1959. The total numbered 45,556 this year as against 47,019 in the previous November, a drop of 3.1 per cent. Revenue goods carried, however, increased sharply to 1,457,248 lbs. in November, 1960, as compared with 1,155,762 lbs. in November, 1959, a rise of 26.1 per cent. It should be noted that 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

November, 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	8	95	...
<u>Transportation services:</u>									
Unit toll:									
Revenue departures .....	No.	17,058	456	435	891	17,949	..	..	..
Revenue hours flown .....	"	24,898	1,277	354	1,631	26,529	517	593	27,639
Revenue miles scheduled ...	"	5,226,979	...	...	...	5,226,979	146,190	225,012	5,598,181
Revenue miles flown:									
Scheduled services .....	"	5,251,802 <sup>(4)</sup>	...	...	...	5,251,802 <sup>(4)</sup>	126,508	193,110	5,571,420 <sup>(4)</sup>
Non-scheduled services ..	"	316,935 <sup>(4)</sup>	171,446	45,454	216,900	533,835 <sup>(4)</sup>	-	2,260	536,095 <sup>(4)</sup>
Totals .....	"	5,568,737	171,446	45,454	216,900	5,785,637	126,508	195,370	6,107,515
Revenue passengers carried	"	302,938	3,933	2,943	6,876	309,814	36,201	9,322	355,337
Revenue goods carried:									
Cargo .....	lb.	5,705,413	417,834	69,747	487,581	6,192,994	) 588,597	617,186	7,868,439
Excess baggage .....	"	448,760	7,525	13,377	20,902	469,662	)		
Mail .....	"	2,724,752	60,844	20,662	81,506	2,806,258	135,951	115,514	3,057,723
Totals .....	"	8,878,925	486,203	103,786	589,989	9,468,914	724,548	732,700	10,926,162
Revenue passenger-miles ...	No.	187,819,891	962,680	180,708	1,143,388	188,963,279	1,692,321	8,868,592	199,524,192
Revenue goods ton-miles:									
Cargo .....	"	2,816,165	158,610	1,958	160,568	2,976,733	) 15,163	234,409	3,351,425
Excess baggage .....	"	120,567	4,047	506	4,553	125,120	)		
Mail .....	"	1,146,262	16,688	1,110	17,798	1,164,060	2,710	50,970	1,217,740
Totals .....	"	4,082,994	179,345	3,574	182,919	4,265,913	17,873	285,379	4,569,165
Bulk:									
Revenue - Departure .....	"	1,193	2,256	2,115	4,371	5,564	..	..	..
Hours flown .....	"	1,129	3,784	2,441	6,225	7,354	-	9	7,363
Miles flown .....	"	174,983	455,354	247,952	703,306	878,289	-	2,400	880,689
Passengers carried	"	2,394	6,984	5,721	12,705	15,099	-	33	15,132
Freight carried .	lb.	524,381	3,691,109	1,098,981	4,790,090	5,314,471	-	-	5,314,471
<u>Non-transportation services:</u>									
Specialty flying:									
Revenue hours flown .....	No.	70	401	3,131	3,532	3,602	-	-	3,602

73,428
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See footnotes at end of table.

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

November, 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					
<b>Total - All services:</b>										
<b>Traffic:(5)</b>										
<b>Revenue:</b>										
Departures .....	No.	18,251	2,712	2,550	5,262	23,513	..	..	..	
Hours flown .....	"	26,097	5,462	5,926	11,388	37,485	517	602	38,604	
Miles flown .....	"	5,743,720	626,800	293,406	920,206	6,663,926	126,508	197,770	6,988,204	
Passengers carried .....	"	305,332	10,917	8,664	19,581	324,913	36,201	9,355	370,469	
Cargo carried .....	lb.	6,229,794	4,108,943	1,168,728	5,277,671	11,507,465	588,597 <sup>(6)</sup>	617,186 <sup>(6)</sup>	13,182,910 <sup>(6)</sup>	
Goods carried .....	"	9,403,306	4,177,312	1,202,767	5,380,079	14,783,385	724,548	732,700	16,240,633	
<b>Non-revenue:</b>										
Hours flown .....	No.	862	469	314	783	1,645	35	-	1,680	
Passengers carried .....	"	..	125	2	127	..	679	603	..	
Goods carried .....	lb.	..	40,512	-	40,512	..	13,486	55,776	..	
Passenger-miles .....	No.	10,201,655	108,560	-	108,560	10,310,215	26,836	487,310	10,824,361	
Goods ton-miles .....	"	395,337	16,504	-	16,504	411,841	519	16,333	428,693	
<b>Fuel consumed:</b>										
Turbo fuel - Quantity ....	gal.	7,027,719	-	-	-	7,027,719	118,868	1,470,117	8,616,704	
Cost .....	\$	986,140	-	-	-	986,140	20,268	286,383	1,292,791	
Gasoline - Quantity .....	gal.	3,036,365	462,707	107,045	569,752	3,606,117	153,251	118,659	3,878,027	
Cost .....	\$	906,420	175,633	43,100	218,733	1,125,153	43,711	29,745	1,198,609	
<b>Oil consumed:</b>										
Turbo aircraft - Quantity .....	gal.	1,249	-	-	-	1,249	26	59	1,334	
Cost .....	\$	17,684	-	-	-	17,684	188	619	18,491	
Other aircraft - Quantity .....	gal.	46,879	6,419	1,909	8,328	55,207	1,677	1,519	58,403	
Cost .....	\$	43,105	8,535	2,536	11,071	54,176	1,307	1,269	56,752	
<b>Average number of employees:</b>										
Flying personnel .....	No.	2,182	414	213	627	2,809	..	..	..	
Other personnel .....	"	13,162	705	495	1,200	14,362	..	..	..	
Totals .....	"	15,344	1,119	708	1,827	17,171	274	600	18,045	
<b>Salaries and wages paid:</b>										
Flying personnel .....	\$	1,643,333	210,279	105,425	315,704	1,959,037	..	..	..	
Other personnel .....	\$	5,624,970	292,210	185,330	477,540	6,102,510	..	..	..	
Totals .....	\$	7,268,303	502,489	290,755	793,244	8,061,547	119,347	264,798	8,445,692	
									91,512,016	

(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

November, 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 .....	11,150,894	551,653	11,702,547	119,756	35,922	155,678	11,858,225	155,516,448
Express .....	233,731	45,400	279,131	8,036	1,177	9,213	288,344	3,132,278
Freight .....	667,946	176,457	844,403	72,706	3,127	75,833	920,236	9,855,490
Excess baggage .....	109,903	22,110	132,013	3,727	827	4,554	136,567	1,688,899
Mail .....	917,551	82,016	999,567	32,181	5,258	37,439	1,037,006	11,861,154
Total unit toll transportation .....	13,080,025	877,636	13,957,661	236,406	46,311	282,717	14,240,378	182,054,269
Bulk transportation .....	109,675	186,633	296,308	756,589	218,807	975,396	1,271,704	27,664,642
Total transportation .....	13,189,700	1,064,269	14,253,969	992,995	265,118	1,258,113	15,512,082	209,718,911
Specialty flying services .....	1,383	6,683	8,066	102,851	77,178	180,029	188,095	4,619,323
Total flying services .....	13,191,083	1,070,952	14,262,035	1,095,846	342,296	1,438,142	15,700,177	214,338,234
Non-flying services .....	242,257	18,236	260,493	138,078	79,804	217,882	478,375	3,994,364
Total operating revenues .....	13,433,340	1,089,188	14,522,528	1,233,924	422,100	1,656,024	16,178,552	218,332,598
Operating expenses:								
Flying operations .....	3,729,787	490,820	4,220,607	661,698	295,175	956,873	5,177,480	63,798,912
Maintenance .....	4,116,559	348,275	4,464,834	446,937	258,672	705,609	5,170,443	53,242,962
General services and administration:								
Passenger service .....	1,207,263	38,693	1,245,956	..	..	..	..	..
Aircraft and traffic servicing .....	2,471,832	197,869	2,669,701	..	..	..	..	..
Promotion and sales .....	2,075,715	80,981	2,156,696	..	..	..	..	..
General administration .....	738,136	122,831	860,967	..	..	..	..	..
Totals .....	6,492,946	440,374	6,933,320	303,315	137,701	441,016	7,374,336	82,494,200
Depreciation and amortization .....	1,480,490	139,963	1,620,453	232,677	147,239	379,916	2,000,369	20,249,181
Total operating expenses .....	15,819,782	1,419,432	17,239,214	1,644,627	838,787	2,483,414	19,722,628	219,785,255
Operating income (loss) .....	Dr. 2,386,442	Dr. 330,244	Dr. 2,716,686	Dr. 410,703	Dr. 416,687	Dr. 827,390	Dr. 3,544,076	Dr. 1,452,657
Non-operating income - net:								
Capital gains and losses .....	6,133	633	6,766	Dr. 6,996	11,203	4,207	10,973	688,137
Interest and discounts .....	177,144	3,120	180,264	373	3,264	3,637	183,901	1,569,199
Miscellaneous non-operating income .....	81,374	Dr. 695	80,679	Dr. 8,889	1,273	Dr. 7,616	73,063	1,195,528
Income before interest expense .....	Dr. 2,121,791	Dr. 327,186	Dr. 2,448,977	Dr. 426,215	Dr. 400,947	Dr. 827,162	Dr. 3,276,139	2,000,207
Interest expense .....	685,171	37,027	722,198	18,930	10,821	29,751	751,949	5,875,605
Income before income taxes .....	Dr. 2,806,962	Dr. 364,213	Dr. 3,171,175	Dr. 445,145	Dr. 411,768	Dr. 856,913	Dr. 4,028,088	Dr. 3,875,398
Provision for income taxes .....	2,639	Cr. 8	2,631	Cr. 59,163	Cr. 6,683	Cr. 65,846	Cr. 63,215	714,348
Net income after income taxes .....	Dr. 2,809,601	Dr. 364,205	Dr. 3,173,806	Dr. 385,982	Dr. 405,085	Dr. 791,067	Dr. 3,964,873	Dr. 4,589,746

(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

November, 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 .....	1,987,731	89,521	176,820	203,047	82,265	9,163,163	11,702,547	152,948,079
Express .....	15,712	-	11,545	32,523	1,332	218,019	279,131	3,024,985
Freight .....	192,368	94,434	67,317	-	14,706	475,578	844,403	8,839,759
Excess baggage .....	22,381	2,643	9,413	8,657	1,397	87,522	132,013	1,612,614
Mail .....	133,457	23,323	41,222	1,304	16,167	784,094	999,567	11,285,413
Total unit toll transportation .....	2,351,649	209,921	306,317	245,531	115,867	10,728,376	13,957,661	177,710,850
Bulk transportation .....	81,723	13,375	152,316	1,038	19,904	27,952	296,308	6,550,940
Total transportation .....	2,433,372	223,296	458,633	246,569	135,771	10,756,328	14,253,969	184,261,790
Specialty flying services .....	-	-	4,630	-	2,053	1,383	8,066	307,568
Total flying services .....	2,433,372	223,296	463,263	246,569	137,824	10,757,711	14,262,035	184,569,358
Non-flying services .....	67,257	10,822	3,665	1,104	2,645	175,000	260,493	2,068,898
Total operating revenues .....	2,500,629	234,118	466,928	247,673	140,469	10,932,711	14,522,528	186,638,256
Operating expenses:								
Flying operations .....	1,035,543	83,925	223,466	112,998	70,431	2,694,244	4,220,607	51,141,070
Maintenance .....	710,327	39,605	135,991	96,585	76,094	3,406,232	4,464,834	45,271,492
General services and administrations:								
Passenger service .....	247,795	7,914	19,926	6,909	3,944	959,468	1,245,956	13,773,241
Aircraft and traffic servicing .....	451,992	38,778	127,325	21,848	9,918	2,019,840	2,669,701	29,268,829
Promotion and sales .....	426,803	5,140	19,698	37,652	18,491	1,648,912	2,156,696	26,184,311
General administration .....	237,343	31,895	44,493	29,428	17,015	500,793	860,967	8,367,643
Totals .....	1,363,933	83,727	211,442	95,837	49,368	5,129,013	6,933,320	77,594,024
Depreciation and amortization .....	210,307	31,627	59,338	33,269	15,729	1,270,183	1,620,453	16,585,312
Total operating expenses .....	3,320,110	238,884	630,237	338,689	211,622	12,499,672	17,239,214	190,591,898
Operating income (loss) .....	Dr. 819,481	Dr. 4,766	Dr. 163,309	Dr. 91,016	Dr. 71,153	Dr. 1,566,961	Dr. 2,716,686	Dr. 3,953,642
Non-operating income - net:								
Capital gains and losses .....	6,133	3,852	Dr. 3,219	-	-	-	6,766	460,956
Interest and discounts .....	6,441	3,076	-	-	44	170,703	180,264	1,530,554
Miscellaneous non-operating income .....	26,356	256	Dr. 915	Dr. 38	2	55,018	80,679	1,167,090
Income before interest expense .....	Dr. 780,551	2,418	Dr. 167,443	Dr. 91,054	Dr. 71,107	Dr. 1,341,240	Dr. 2,448,977	Dr. 795,042
Interest expense .....	-	4,382	11,400	11,551	9,694	685,171	722,198	5,366,014
Income before income taxes .....	Dr. 780,551	Dr. 1,964	Dr. 178,843	Dr. 102,605	Dr. 80,801	Dr. 2,026,411	Dr. 3,171,175	Dr. 6,161,056
Provision for income taxes .....	-	Cr. 8	-	-	-	2,639	2,631	Cr. 3,181
Net income after income taxes .....	Dr. 780,551	Dr. 1,956	Dr. 178,843	Dr. 102,605	Dr. 80,801	Dr. 2,029,050	Dr. 3,173,806	Dr. 6,157,875

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

November, 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.	1,556	12,463	14,019	693	876	1,019	451	3,039	17,058
Revenue hours flown .....	"	3,528	18,131	21,659	691	1,256	742	550	3,239	24,898
Revenue miles scheduled .....	"	923,286	4,078,181	5,001,467	28,484	79,490	89,928	27,610	225,512	5,226,979
Revenue miles flown:										
Scheduled services - Regular .....	"	885,649	3,922,813	4,808,462	24,446	74,743	89,928	26,256	215,373	5,023,835
Extra section .....	"	2,510	217,639	220,149	404	2,985	898	3,531	7,818	227,967
Non-scheduled services .....	"	47,642	-	47,642	90,578	97,337	34,242	47,136	269,293	316,935
Totals .....	"	935,801	4,140,452	5,076,253	115,428	175,065	125,068	76,923	492,484	5,568,737
Ratio of regular miles flown to miles scheduled .....										
		95.9	96.2	...	85.8	94.0	100.0	95.1	...	...
Revenue passengers carried .....	No.	23,145	257,409	280,554	3,936	7,563	8,524	2,361	22,384	302,938
Revenue goods carried:										
Express .....	lb.	57,826	833,663	891,489	-	28,714	213,851	6,375	248,940	1,140,429
Freight .....	"	349,110	2,871,757	3,220,867	898,595	380,682	-	64,840	1,344,117	4,564,984
Excess baggage .....	"	35,602	302,942	338,544	14,607	22,784	67,485	5,340	110,216	448,760
Mail .....	"	156,052	2,245,658	2,401,710	124,734	136,292	13,131	48,885	323,042	2,724,752
Totals .....	"	598,590	6,254,020	6,852,610	1,037,936	568,472	294,467	125,440	2,026,315	8,878,925
Revenue passenger-miles:										
Scheduled services .....	No.	33,991,320	146,457,348	180,448,668	234,445	876,764	1,690,184	422,361	3,223,754	183,672,422
Non-scheduled services .....	"	1,027,102	-	1,027,102	795,341	1,218,815	568,114	538,097	3,120,367	4,147,469
Totals .....	"	35,018,422	146,457,348	181,475,770	1,029,786	2,095,579	2,258,298	960,458	6,344,121	187,819,891
Available seat-miles on scheduled services .....										
	"	68,070,024	238,025,859	306,095,883	646,100	2,020,440	3,226,896	..	..	..
Passenger load factor on scheduled services .....										
		49.9	61.5	...	36.3	43.4	52.4	..	...	...
Revenue goods ton-miles:										
Express - Scheduled services .....	No.	15,575	250,601	266,176	-	70	19,450	576	20,096	286,272
Non-scheduled services .....	"	947	-	947	-	10,178	10,684	970	21,832	22,779
Totals .....	"	16,522	250,601	267,123	-	10,248	30,134	1,546	41,928	309,051
Freight - Scheduled services .....	"	458,804	1,687,849	2,146,653	1,457	3,630	-	340	5,427	2,152,080
Non-scheduled services .....	"	2,861	-	2,861	225,038	114,258	-	12,877	352,173	355,034
Totals .....	"	461,665	1,687,849	2,149,514	226,495	117,888	-	13,217	357,600	2,507,114

See footnotes at end of table.

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

November, 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.	24,008	78,229	102,237	225	1,010	5,590	261	7,086	109,323
Non-scheduled services .....	433	-	433	2,591	4,194	2,855	1,171	10,811	11,244
Totals .....	24,441	78,229	102,670	2,816	5,204	8,445	1,432	17,897	120,567
Mail - Scheduled services .....	99,175	977,406	1,076,581	4,037	996	1,028	2,078	8,139	1,084,720
Non-scheduled services .....	3,523	-	3,523	11,201	41,124	646	5,048	58,019	61,542
Totals.....	102,698	977,406	1,080,104	15,238	42,120	1,674	7,126	66,158	1,146,262
Total - Scheduled services .....	597,562	2,994,085	3,591,647	5,719	5,706	26,068	3,255	40,748	3,632,395
Non-scheduled services .....	7,764	-	7,764	238,830	169,754	14,185	20,066	442,835	450,599
Totals.....	605,326	2,994,085	3,599,411	244,549	175,460	40,253	23,321	483,583	4,082,994
Available ton-miles on scheduled services .....	8,643,803	31,742,084	40,385,887	65,355	196,502	345,107	121,683	728,647	41,114,534
Weight load factor on scheduled services (2) .....	46.2	55.6	...	44.6	47.5	56.5	37.4	...	...
Bulk:									
Revenue - Departures .....	No. 6	22	28	11	925	71	158	1,165	1,193
Hours flown .....	" 90	49	139	45	801	6	138	990	1,129
Miles flown .....	" 27,249	12,631	39,880	8,677	107,226	984	18,216	135,103	174,983
Passengers carried .....	" 461	412	873	31	1,304	52	134	1,521	2,394
Freight carried .....	lb. -	15,428	15,428	15,451	397,786	2,063	93,653	508,953	524,381
<u>Non-transportation services</u>									
Specialty flying:									
Revenue hours flown .....	No. -	5	5	-	55	-	10	65	70
<u>Total - All services</u>									
Traffic: (3)									
Revenue:									
Departures .....	No. 1,562	12,485	14,047	704	1,801	1,090	609	4,204	18,251
Hours flown .....	" 3,618	18,185	21,803	736	2,112	748	698	4,294	26,097
Miles flown .....	" 963,050	4,153,083	5,116,133	124,105	282,291	126,052	95,139	627,587	5,743,720
Passengers carried .....	" 23,606	257,821	281,427	3,967	8,867	8,576	2,495	23,905	305,332
Cargo carried .....	lb. 406,936	3,720,848	4,127,784	914,046	807,182	215,914	164,868	2,102,010	6,229,794
Goods carried .....	" 598,590	6,269,448	6,868,038	1,053,387	966,258	296,530	219,093	2,535,268	9,403,306

See footnotes at end of table.

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company - Concluded  
November, 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. 95	497	592	11	164	77	18	270	862
Passengers carried .....	" 859	..	..	186	168	113	112	579	..
Goods carried .....	lb. 74,985	..	..	31,446	44,647	-	6,374	82,467	..
Passenger-miles .....	No. 1,583,939	8,381,651	9,965,590	48,393	75,645	30,782	81,245	236,065	10,201,655
Goods ton-miles .....	" 101,219	266,282	367,501	7,875	18,004	-	1,957	27,836	395,337
<b>Fuel consumed:</b>									
Turbo fuel - Quantity .....	gal. 1,261,621	5,597,024	6,858,645	45,992	-	123,082	-	169,074	7,027,719
Cost .....	\$ 224,459	722,377	946,836	11,453	-	27,851	-	39,304	986,140
Gasoline - Quantity .....	gal. 443,084	2,199,931	2,643,015	79,395	223,711	27,276	62,968	393,350	3,036,365
Cost .....	\$ 140,652	602,367	743,019	26,029	100,785	11,341	25,246	163,401	906,420
<b>Oil consumed:</b>									
Turbo aircraft - Quantity .....	gal. 344	818	1,162	12	-	75	-	87	1,249
Cost .....	\$ 3,440	13,388	16,828	153	-	703	-	856	17,684
Other aircraft - Quantity .....	gal. 6,252	35,751	42,003	1,069	2,626	759	422	4,876	46,879
Cost .....	\$ 7,474	30,005	37,479	1,097	3,283	824	422	5,626	43,105
<b>Average number of employees:</b>									
Flying personnel .....	No. 413	1,548	1,961	33	101	44	43	221	2,182
Other personnel .....	" 2,272	9,860	12,132	156	478	241	155	1,030	13,162
Totals .....	" 2,685	11,408	14,093	189	579	285	198	1,251	15,344
<b>Salaries and wages paid:</b>									
Flying personnel .....	\$ 432,854	1,064,331	1,497,185	22,595	80,172	20,187	23,194	146,148	1,643,333
Other personnel .....	\$ 905,907	4,335,570	5,241,477	56,542	191,010	78,400	57,541	383,493	5,624,970
Totals .....	\$ 1,338,761	5,399,901	6,738,662	79,137	271,182	98,587	80,735	529,641	7,268,303

(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

November, 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.	19,007	3,564	7,284	8,576	2,261	225,206	265,898
Domestic interline .....	"	1,652	372	-	-	-	32,203	36,575
Foreign interline .....	"	2,348	-	-	-	-	-	-
Totals (2) .....	"	23,007	3,936	7,284	8,576	2,261	257,409	302,473
Revenue express carried:								
Originated .....	1b.	57,826	-	28,714	213,851	6,375	833,663	1,140,429
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	57,826	-	28,714	213,851	6,375	833,663	1,140,429
Revenue freight carried:								
Originated .....	"	249,315	694,800	372,863	-	34,941	2,871,757	4,223,676
Domestic interline .....	"	17,530	-	-	-	-	-	17,530
Foreign interline .....	"	60,457	-	-	-	-	-	60,457
Totals (2) .....	"	327,302	694,800	372,863	-	34,941	2,871,757	4,301,663
Revenue excess baggage carried:								
Originated .....	"	31,091	14,607	22,555	67,485	5,030	287,006	427,774
Domestic interline .....	"	1,751	-	-	-	-	1,965	3,716
Foreign interline .....	"	2,739	-	-	-	-	13,971	16,710
Totals (2) .....	"	35,581	14,607	22,555	67,485	5,030	302,942	448,200
Revenue mail carried:								
Originated .....	"	156,052	124,734	135,609	13,131	18,824	2,245,658	2,694,008
Domestic interline .....	"	-	-	-	-	-	-	-
Foreign interline .....	"	-	-	-	-	-	-	-
Totals (2) .....	"	156,052	124,734	135,609	13,131	18,824	2,245,658	2,694,008

(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

November, 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.	2,296	330	241	89	2,956	11,063	14,019
Revenue hours flown .....	"	3,602	1,583	1,016	678	6,879	14,780	21,659
Revenue miles scheduled .....	"	807,168	527,980	258,631	214,494	1,808,273	3,193,194	5,001,467
Revenue miles flown:								
Scheduled services - Regular .....	"	772,477	505,972	258,631	201,968	1,739,048	3,069,414	4,808,462
Extra sections .....	"	11,246	10,488	8,814	-	30,548	189,601	220,149
Non-scheduled services .....	"	-	-	-	-	-	47,642	47,642
Totals .....	"	783,723	516,460	267,445	201,968	1,769,596	3,306,657	5,076,253
Ratio of regular miles flown to miles scheduled .....		95.7	95.8	100.0	94.2	96.2	96.1	96.1
Revenue passenger-miles .....	No.	23,123,842	27,879,814	9,573,833	7,065,046	67,642,535	113,833,235	181,475,770
Available seat-miles on scheduled services .....	"	36,043,923	51,622,044	19,508,288	14,350,622	121,524,877	184,571,006	306,095,883
Passenger load factor on scheduled services .....		64.2	54.0	49.1	49.2	55.7	61.7	59.3
Revenue goods ton-miles:								
Express .....	No.	37,029	-	-	-	37,029	230,094	267,123
Freight .....	"	137,213	506,196	96,684	213,860	953,953	1,195,561	2,149,514
Excess baggage .....	"	13,089	17,911	10,225	4,101	45,326	57,344	102,670
Mail .....	"	30,978	145,687	18,353	49,380	244,398	835,706	1,080,104
Totals .....	"	218,309	669,794	125,262	267,341	1,280,706	2,318,705	3,599,411
Available ton-miles on scheduled services .....	"	4,301,663	6,377,927	2,440,592	1,905,365	15,025,547	25,360,340	40,385,887
Weight load factor on scheduled services (1) .....		58.8	54.2	44.4	51.1	53.5	54.0	53.8

(1) Standard passenger weight used: 200 pounds.

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

November, 1960

	Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$
Flying training .....	2,320	36,632	40,409	656,864
Recreational flying .....	442	8,848	6,433	130,279
Aerial photography and survey .....	153	46,422	7,228	1,288,359
Aerial photography (excl. survey) .....	118	7,890	1,596	129,189
Aerial pest control .....	-	-	2,069	817,365
Aerial advertising .....	17	1,060	105	5,744
Aerial patrol and inspection .....	416	52,863	10,765	1,056,816
Philanthropic .....	2	Dr. 82	81	Dr. 768
Aerial fish cultivation .....	1	48	54	4,014
Geophysical survey .....	84	23,355	4,088	575,597
Non-transportation charter .....	2	225	359	45,789
Other specialty flying .....	47	12,030	241	30,636
Total specialty flying .....	3,602	189,291	73,428	4,739,884

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

November, 1960

	Month	Year to date
Revenue hours flown .....	No. 961	43,650
Average number of aircraft .....	" 107	102
Average number of employees:		
Flying personnel .....	" 194	185
Other personnel .....	" 123	140
Totals .....	" 317	325
Salaries and wages paid:		
Flying personnel .....	\$ 72,685	1,070,897
Other personnel .....	\$ 66,654	765,680
Totals .....	\$ 139,339	1,836,577
Operating revenues:		
Bulk transportation .....	\$ 126,038	5,089,166
Other flying services .....	\$ 5,417	207,502
Non-flying services .....	\$ 119,692	325,722
Totals .....	\$ 251,147	5,622,390
Operating expenses:		
Flying operations .....	\$ 269,616	2,057,110
Maintenance .....	\$ 136,495	1,182,559
General services and administration ..	\$ 60,376	728,029
Depreciation and amortization .....	\$ 102,390	915,404
Totals .....	\$ 568,877	4,883,102
Operating income (Loss) .....	\$ Dr. 317,730	739,288
Net income (deficit) after income taxes	\$ Dr. 226,062	658,991

TABLE 9. Transportation Statistics, Foreign Carriers - Unit Toll Services, by Area of Service  
November, 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 .....	16,675	15,503	32,178	1,631	3,271	4,902	163	135	298	18,469	18,909	37,378
1958 .....	14,872	13,928	28,800	2,093	2,924	5,017	196	112	308	17,161	16,964	34,125
1959 .....	20,349	19,051	39,400	2,942	3,161	6,103	301	199	500	23,592	22,411	46,003
1960 .....	18,821	17,380	36,201	4,121	4,761	8,882	271	169	440	23,213	22,310	45,523
Revenue freight, express and excess baggage carried:	lbs.											
1957 .....	65,504	440,891	506,395	30,587	96,240	126,827	3,590	940	4,530	99,681	538,071	637,752
1958 .....	63,862	472,826	536,688	77,022	184,364	261,386	2,675	410	3,085	143,559	657,600	801,159
1959 .....	89,349	503,489	592,838	66,657	402,556	469,213	6,877	560	7,437	162,883	906,605	1,069,488
1960 .....	95,167	493,430	588,597	75,805	537,224	613,029	3,407	750	4,157	174,379	1,031,404	1,205,783
Mail carried:												
1957 .....	30,632	77,674	108,306	1,884	41,194	43,078	390	320	710	32,906	119,188	152,094
1958 .....	38,006	70,606	108,612	2,312	75,758	78,070	265	565	830	40,583	146,929	187,512
1959 .....	37,049	76,524	113,573	2,529	97,134	99,663	517	668	1,185	40,095	174,326	214,421
1960 .....	39,553	96,398	135,951	35,415	79,205	114,620	602	292	894	75,570	175,895	251,465



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 one major transport carrier: Nordair 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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