

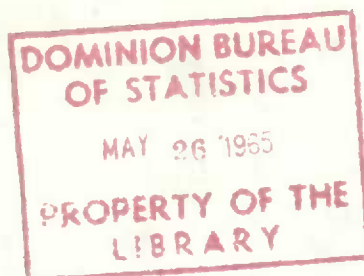
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# CIVIL AVIATION

## DECEMBER 1964

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## SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. Figures are not available.
- ... Figures not appropriate or not applicable.
- Nil or zero.

## INTRODUCTION

"Civil Aviation" reports are prepared from monthly and quarterly schedules filed with the Air Transport Board and the Dominion Bureau of Statistics by Canadian commercial air carriers, and from monthly returns filed with the Dominion Bureau of Statistics by foreign air carriers operating in Canada.

For reporting purposes, Canadian air carriers are classified into five groups on the basis of gross annual flying revenues and type of service performed. These groups are described on page twenty of this publication along with other definitions. It should be noted that the definition of each of the five groups has been revised as of 1st January, 1964. This revision resulted in four former group III carriers being transferred to Group IV and 24 former Group IV carriers being transferred to Group V. It should also be noted that Nordair Ltd., classified as a Group II carrier by the Air Transport Board, is included with Group III carriers for statistical purposes. Group V comprises small air carriers required to file returns on a quarterly basis only. Data on their operations are excluded from the other carrier statistics appearing throughout the report.

Whenever feasible the unit toll services are broken down into scheduled and non-scheduled. A complete breakdown is not possible as some carriers offer both services on specific routes. In such cases the route is assigned to the class of service which predominates.

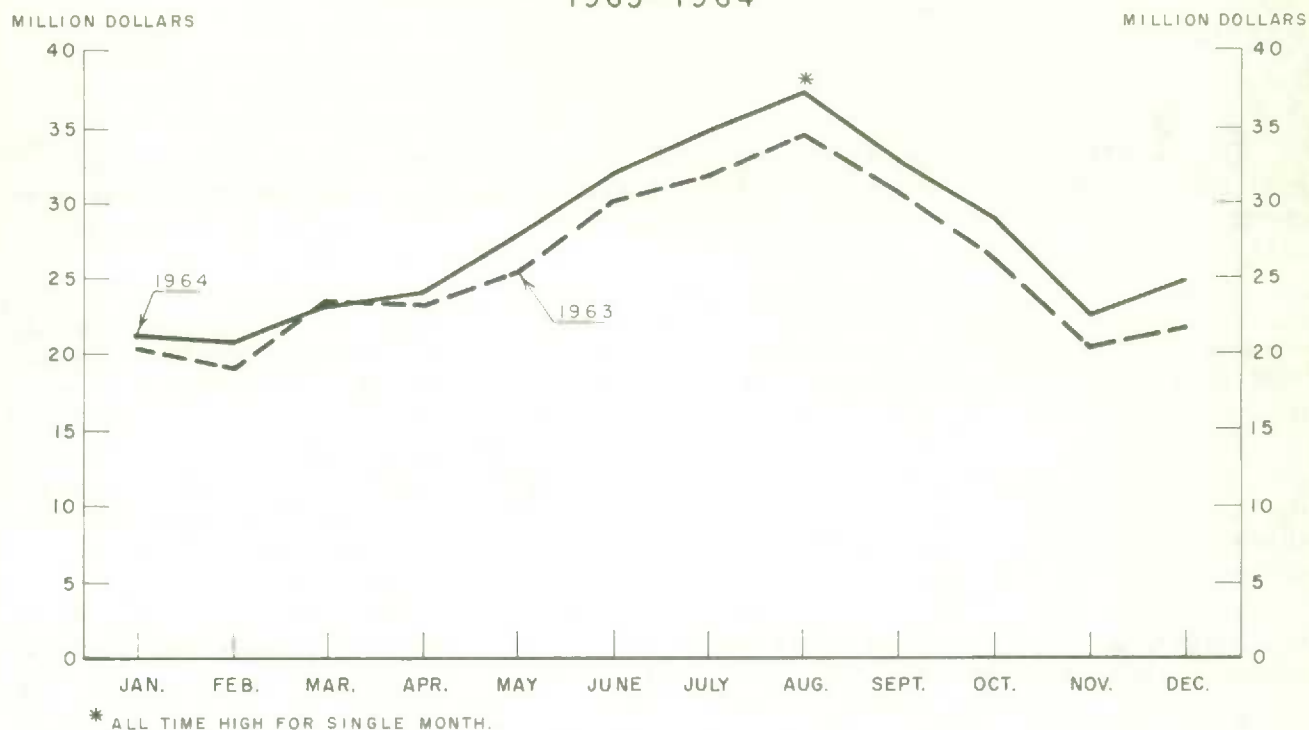
Domestic and international operations of Canadian carriers are combined in all tables except Table 6 which provides a breakdown of domestic and international operations for Canadian carriers operating international unit toll and bulk services.

Commencing with the January, 1964 issue, bulk transport passenger-miles and goods-ton-miles have been added to the statistical data of this report. However, because of survey limitations, this data refers only to aircraft which has a minimum authorized take-off weight on wheels in excess of 18,000 pounds. Operating data covering bulk international flights have also been added to Table 6. It should be noted, however, that the number of carriers reporting international bulk services may vary from month to month.

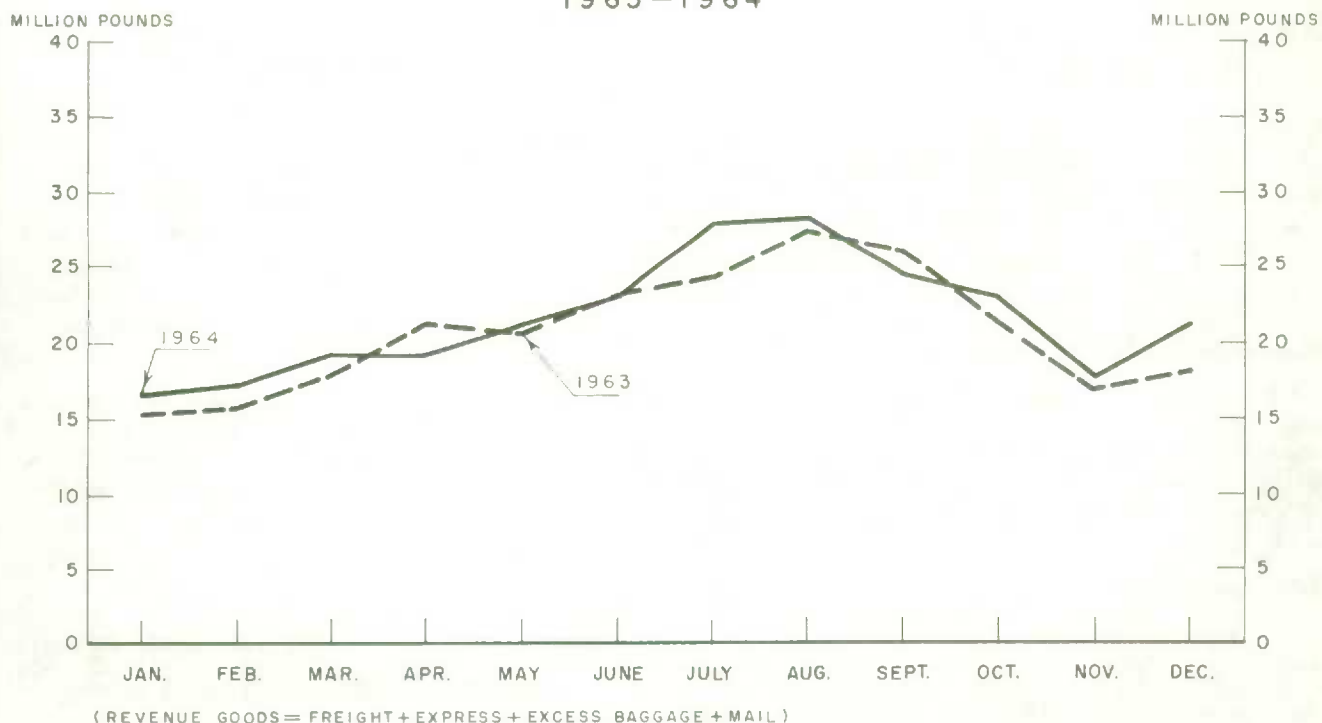
Table 7 provides data on traffic leaving and entering Canada on an area of service basis. Passengers, cargo and mail in transit through Canada are excluded. The table contains the operations of both Canadian and Foreign carriers with separate totals for each.

Also commencing with the January, 1964 issue of "Civil Aviation", data on helicopters have been expanded to include more detail. A split has been made between the use of fixed wing aircraft and helicopters for specialty flying.

# OPERATING REVENUE OF CANADIAN AIR CARRIERS 1963-1964



# REVENUE GOODS CARRIED BY CANADIAN AIR CARRIERS 1963-1964





## REVIEW OF DECEMBER OPERATIONS

Increases were reported in the transportation of revenue passengers and revenue goods carried by Canadian Air Carriers during the month of December as compared with December 1963. Passengers carried totalled 423,745, an increase of 13.1 per cent, while goods transported showed an increase of 17.3 per cent to 10,670 tons. The revenue miles flown were up 1.2 per cent to 7,210,379 miles. Passenger miles and goods ton-miles performed by Canadian carriers in unit toll and bulk services totalled 311,125,832 and 9,989,584 respectively. Unit toll services accounted for 96.3 per cent of the total passenger-miles and 93.4 per cent of the total goods ton-miles.

December operating revenues increased 13.9 per cent over December 1963 to \$24,883,056 while operating expenses increased to \$27,393,501. An operating loss of \$2,510,445 was therefore reported. This compared with an operating loss of \$5,444,120 for the same month of the previous year. A net deficit after provision for income taxes of \$4,163,679 was reported as against a net deficit of \$7,050,219 in December 1963.

Revenue hours reported flown by 13 carriers who operated 148 helicopters exclusively amounted to 1,923. Hours reported flown by 16 helicopters operated by 7 fixed wing carriers totalled 113. Operating revenues reported by helicopter operators amounted to \$187,745 while operating expenses amounted to \$678,802.

In December the six scheduled carriers transported 400,380 revenue passengers, 94.5 per cent of passengers carried by all Canadian carriers. They also carried 8,953 tons of revenue goods, 83.9 per cent of the total. Operating revenues of scheduled carriers amounted to \$23,634,095 or 95.0 per cent of the total. Operating expenses amounted to \$25,124,876 or 91.7 per cent of the total. Comparable figures for December 1963 are: passengers 93.5 per cent, goods 79.4 per cent, revenues 92.4 per cent and expenses 89.7 per cent.

Revenue passenger-miles performed by Canadian carriers in international unit toll service in December amounted to 123,847,605 or 41.3 per cent of the total unit toll passenger-miles performed by Canadian carriers. The division of international services was as follows:

<u>Area</u>	<u>Percentage</u>
Trans-Border .....	22.0
Trans-Atlantic and Polar .....	28.7
Southern .....	30.8
Pacific and Orient .....	<u>18.5</u>
Total .....	<u>100.0</u>

### The Cumulative View:

The fourth quarter totals for 1964 compared with the totals for 1963 showed that revenue passengers were up 6.1 per cent to 5,741,122, while revenue goods rose 4.2 per cent to 129,589 tons. Passenger-miles and goods ton-miles performed by Canadian carriers totalled 4,372,481,155 and 105,560,420 respectively. Operating revenues rose 7.3 per cent to \$332,188,073 while operating expenses rose 5.8 per cent to \$312,098,269.

### Foreign Carriers:

Foreign carriers licensed to operate in Canada transported 77,841 revenue passengers during December, an increase of 23.7 per cent over December 1963. Revenue goods carried totalled 1,721 tons, an increase of 41.9 per cent. Foreign carriers report hours and miles flown over Canadian territory only. Statistics of passengers and goods in transit have been excluded.

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

December 1964

	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	14	44	58	64	10	9	83	..
Revenue transportation services:									
Unit toll:									
Departures ..... No.	16,917	1,857	431	2,288	19,205	..	..	..	..
Hours flown ..... "	22,285	1,900	253	2,153	24,438	319	1,333	26,090	316,950
Miles scheduled ..... "	5,507,551	...	...	...	5,507,551	84,081	363,395	5,955,027	73,215,576
Miles flown:									
Scheduled ..... "	5,734,738	...	...	...	5,734,738	78,810	376,521	6,190,069	74,956,982(4)
Non-scheduled ..... "	266,564	233,227	31,906	265,133	531,697	-	-	531,697	7,136,219(4)
Totals ..... "	6,001,302	233,227	31,906	265,133	6,266,435	78,810	376,521	6,721,766	82,093,201
Passengers carried ..... "	394,810	6,505	3,235	9,740	404,550	57,872	19,224	481,646	6,148,321
Goods carried:									
Cargo ..... lb.	11,095,674	423,073	64,393	487,466	11,583,140	886,625	1,872,444	14,456,550	143,572,091
Excess baggage ..... "	99,841	2,804	11,696	14,500	114,341	-	-	-	-
Mail ..... "	5,011,098	177,889	26,469	204,358	5,215,456	234,991	394,776	5,845,223	50,668,517
Totals ..... "	16,206,613	603,766	102,558	706,324	16,912,937	1,121,616	2,267,220	20,301,773	194,240,608
Passenger-miles ..... No.	298,198,185	1,158,336	154,276	1,312,612	299,510,797	2,451,310	16,030,271	317,992,378	4,199,784,091
Goods ton-miles:									
Cargo ..... "	6,739,354	109,553	2,858	112,411	6,851,765	20,443	724,930	7,826,922	75,276,651
Excess baggage ..... "	229,000	407	377	784	229,784	-	-	-	-
Mail ..... "	2,204,477	43,832	1,210	45,042	2,249,519	4,562	168,167	2,422,248	19,930,040
Totals ..... "	9,172,831	153,792	4,445	158,237	9,331,068	25,005	893,097	10,249,170	95,206,691
Bulk:									
Departures ..... "	1,497	2,581	4,160	6,741	8,238	..	..	..	..
Hours flown ..... "	2,058	3,144	3,425	6,569	8,627	1	20	8,648	251,850
Miles flown ..... "	343,406	293,227	306,584	599,811	943,217	200	8,456	951,873	26,452,567
Passengers carried ..... "	5,570	6,448	7,177	13,625	19,195	238	507	19,940	599,536
Freight carried ..... lb.	1,708,996	2,019,562	697,813	2,717,375	4,426,371	-	53,461	4,479,832	100,800,689
Passenger-miles(6) ..... No.	9,129,702	2,393,136	92,197	2,485,333	11,615,035	..	..	..	..
Goods ton-miles(6) ..... "	377,648	250,045	30,823	280,868	658,516	-	..	658,516	..
Revenue non-transportation services:									
Specialty flying - Hours flown "	89	308	2,863	3,171	3,260	-	-	3,260	95,453

See footnotes at end of table.



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

December 1964

	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 - All services:									
Revenue:									
Traffic, miles and hours:(7)									
Departures .....	No. 18,414	4,438	4,591	9,029	27,443	..	..	..	..
Hours flown .....	" 24,432	5,352	6,541	11,893	36,325	320	1,353	37,998	664,253
Miles flown .....	" 6,344,708	527,181	338,490	865,671	7,210,379	79,010	384,977	7,674,366	108,546,495
Passengers carried .....	" 400,380	12,953	10,412	23,365	423,745	58,110	19,731	501,586	6,747,859
Cargo carried .....	lb. 12,804,670	2,442,625	762,206	3,204,831	16,009,501	886,625(8)	1,925,905(8)	18,822,031	242,826,689
Goods carried .....	" 17,915,609	2,623,328	800,371	3,423,699	21,339,308	1,121,616	2,320,861	24,781,785	295,041,477
Passenger-miles(6) .....	No. 307,327,887	3,551,472	246,473	3,797,945	311,125,832	..	..	..	..
Goods ton-miles(6) .....	" 9,550,479	403,837	35,268	439,105	9,989,584	25,002	893,097	10,907,683	..
Non-revenue:									
Hours flown .....	" 572	372	232	604	1,176	3	-	1,179	19,672
Passengers carried .....	" 2,422	66	11	77	2,499	836	401	3,736	..
Goods carried .....	lb. 293,315	24,669	-	24,669	317,984	-	49,374	367,358	..
Passenger-miles .....	No. 18,231,971	64,254	515	64,769	18,296,740	30,822	285,425	18,612,987	..
Goods ton-miles .....	" 1,046,523	14,969	-	14,969	1,061,492	260	12,864	1,074,616	..
Fuel and oil consumed:									
Turbo fuel - Quantity .....	gal. 15,590,311	-	7,905	7,905	15,598,216	188,734	2,091,323	17,878,273	225,685,753
Cost .....	\$ 2,204,125	-	2,472	2,472	2,206,597	33,474	329,359	2,569,430	32,569,852
Gasoline - Quantity .....	gal. 943,129	335,233	109,162	444,395	1,387,524	40,256	59,422	1,487,202	23,522,861
Cost .....	\$ 284,613	130,347	46,959	177,306	461,919	10,068	14,110	486,097	8,421,354
Turbo oil - Quantity .....	gal. 3,582	-	1	1	3,583	30	98	3,711	51,001
Cost .....	\$ 34,269	-	15	15	34,284	167	866	35,317	456,225
Other oil - Quantity .....	gal. 10,448	3,284	1,836	5,120	15,568	41	223	15,832	279,061
Cost .....	\$ 11,570	4,146	2,652	6,798	18,368	70	199	18,637	345,108
Average number of employees:									
Pilots and co-pilots .....	No. 1,018	241	217	458	1,476	..	..	..	..
Other flight personnel .....	" 1,040	17	15	32	1,072	..	..	..	..
General management .....	" 314	79	70	149	463	..	..	..	..
Maintenance labour .....	" 3,726	326	204	530	4,256	..	..	..	..
Aircraft & traffic servicing .....	" 5,103	98	46	144	5,247	..	..	..	..
Other personnel .....	" 4,598	189	77	266	4,864	..	..	..	..
Totals .....	" 15,799	950	629	1,579	17,378	254	730	18,362	18,599
Salaries and wages paid:									
Pilots and co-pilots .....	\$ 1,251,041	192,802	146,733	339,535	1,590,576	..	..	..	..
Other flight personnel .....	\$ 486,944	9,739	5,037	501,720	501,720	..	..	..	..
General management .....	\$ 282,262	67,113	58,345	125,458	407,720	..	..	..	..
Maintenance labour .....	\$ 2,061,540	126,127	95,007	221,134	2,282,674	..	..	..	..
Aircraft & traffic servicing .....	\$ 2,759,719	40,062	15,676	55,738	2,815,457	..	..	..	..
Other personnel .....	\$ 2,383,453	83,362	33,382	116,744	2,500,197	..	..	..	..
Totals .....	\$ 9,224,959	519,205	354,180	873,385	10,098,344	131,769	418,613	10,648,726	122,158,926

(1) Group II non-scheduled carriers included with Group III for purposes of this report.

(2) See "Foreign Carriers", page 7, 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) Excludes Trans-Canada Airlines.

(6) Excludes chartered aircraft not having a maximum authorized take-off weight on wheels in excess of 18,000 pounds.

(7) These data exclude non-transportation services, except for hours flown.

(8) Includes excess baggage.

(9) Data in Tables 4, 5, 6, 7, 8 and 9 included in this table.

TABLE 2. Statement of Income, Canadian Carriers - All Services, by Revenue Group

December 1964

	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 .....	17,433,965	842,608	18,276,573	155,096	33,521	188,617	18,465,190	240,110,667
Express .....	397,041	27,070	424,111	9,917	2,084	12,001	436,112	4,572,152
Freight .....	1,709,354	209,373	1,918,727	67,345	2,706	70,051	1,988,778	18,013,135
Excess baggage .....	122,901	13,101	136,002	3,482	751	4,233	140,235	1,731,365
Mail .....	1,869,207	172,200	2,041,407	64,117	4,302	68,419	2,109,826	17,156,343
Total unit toll transportation ..	21,532,468	1,264,352	22,796,820	299,957	43,364	343,321	23,140,141	281,583,662
Bulk transportation .....	214,422	365,766	580,188	477,794	278,003	755,797	1,335,985	40,236,830
Total transportation .....	21,746,890	1,630,118	23,377,008	777,751	321,367	1,099,118	24,476,126	321,820,492
Other flying services .....	9,088	10,317	19,405	31,751	120,439	152,190	171,595	6,032,111
Total flying services .....	21,755,978	1,640,435	23,396,413	809,502	441,806	1,251,308	24,647,721	327,852,603
Non-flying services .....	208,018	29,664	237,682	4,632	Dr. 6,979	Dr. 2,347	235,335	4,335,470
Total operating revenues .....	21,963,996	1,670,099	23,634,095	814,134	434,827	1,248,961	24,883,056	332,188,073
Operating expenses:								
Flying operations .....	6,442,055	434,555	6,876,610	283,870	195,100	478,970	7,355,580	85,390,516
Maintenance .....	4,141,156	640,286	4,781,442	490,497	355,628	846,125	5,627,567	68,152,081
General services and administration:								
Passenger service .....	1,601,278	73,063	1,674,341	..	..	..	..	..
Aircraft and traffic servicing ....	3,369,724	320,401	3,690,125	..	..	..	..	..
Promotion and sales .....	3,666,132	156,871	3,823,003	..	..	..	..	..
General administration .....	801,187	133,807	934,994	..	..	..	..	..
Totals .....	9,438,321	684,142	10,122,463	343,898	268,139	612,037	10,734,500	124,728,860
Depreciation and amortization .....	3,304,342	40,020	3,344,362	89,700	241,792	331,492	3,675,854	34,431,758
Total operating expenses .....	23,325,874	1,799,003	25,124,877	1,207,965	1,060,659	2,268,624	27,393,501	312,703,215
Operating income (loss) .....	Dr. 1,361,878	Dr. 128,904	Dr. 1,490,782	Dr. 393,831	Dr. 625,832	Dr. 1,019,663	Dr. 2,510,445	19,484,858
Non-operating income - Net:								
Capital gains and losses .....	1,152,776	242,416	1,395,192	Dr. 13,571	Dr. 5,144	Dr. 18,715	1,376,477	2,216,464
Interest and discounts .....	196,489	586	197,075	7,253	599	7,852	204,927	2,174,334
Miscellaneous non-operating income ..	66,062	Dr. 4,522	61,540	Dr. 5,960	230	Dr. 5,730	55,810	47,863
Income before interest expense .....	53,449	109,576	163,025	Dr. 406,109	Dr. 630,147	Dr. 1,036,256	Dr. 873,231	23,923,519
Interest expense .....	3,249,729	49,959	3,299,688	29,597	14,140	43,737	3,343,425	15,341,185
Income before income taxes .....	Dr. 3,196,280	59,617	Dr. 3,136,663	Dr. 435,706	Dr. 644,287	Dr. 1,079,993	Dr. 4,216,656	8,582,334
Provision for income taxes .....	-	7,350	7,350	Cr. 5,324	Cr. 55,003	Cr. 60,327	Cr. 52,977	253,054
Net income after income taxes .....	Dr. 3,196,280	52,267	Dr. 3,144,013	Dr. 430,382	Dr. 589,284	Dr. 1,019,666	Dr. 4,163,679	8,329,280

(1) Group II non-scheduled carriers included with Group III for purposes of this report.

(2) Data in Tables 3, 8 and 10 included in this table.

TABLE 3. Statement of Income, Canadian Scheduled Carriers - All Services, by Company

December 1964

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total	Year to date
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers .....	3,862,916	168,532	335,628	213,122	125,326	13,571,049	18,276,573	237,096,178
Express .....	21,125	9,992	14,034	-	3,044	375,916	424,111	4,450,527
Freight .....	389,527	56,825	95,640	32,320	24,588	1,319,827	1,918,727	16,868,024
Excess baggage .....	32,487	2,585	5,844	4,002	670	90,414	136,002	1,667,388
Mail .....	366,999	56,929	69,986	8,321	36,964	1,502,208	2,041,407	16,562,030
Total unit toll transportation ..	4,673,054	294,863	521,132	257,765	190,592	16,859,414	22,796,820	276,644,147
Bulk transportation .....	48,185	78,842	122,927	1,431	162,566	166,237	580,188	19,230,129
Total transportation .....	4,721,239	373,705	644,059	259,196	353,158	17,025,651	23,377,008	295,874,276
Other flying services .....	-	10,317	-	-	-	9,088	19,405	330,555
Total flying services .....	4,721,239	384,022	644,059	259,196	353,158	17,034,739	23,396,413	296,204,831
Non-flying services .....	7,217	14,202	4,293	7,147	4,022	200,801	237,682	2,507,396
Total operating revenues .....	4,728,456	398,224	648,352	266,343	357,180	17,235,540	23,634,095	298,712,227
Operating expenses:								
Flying operations .....	1,593,226	111,886	119,122	65,430	138,117	4,848,829	6,876,610	72,784,052
Maintenance .....	768,904	268,035	133,567	97,544	141,140	3,372,252	4,781,442	59,021,261
General services and administrations:								
Passenger service .....	323,219	13,317	28,423	16,120	15,203	1,278,059	1,674,341	21,346,216
Aircraft and traffic servicing ....	566,446	109,627	149,100	43,061	18,613	2,803,278	3,690,125	41,015,619
Promotion and sales .....	962,701	36,949	25,842	57,693	36,387	2,703,431	3,823,003	44,722,532
General administration .....	260,038	30,171	47,567	32,646	23,423	541,149	934,994	12,065,006
Totals .....	2,112,404	190,064	250,932	149,520	93,626	7,325,917	10,122,463	119,149,373
Depreciation and amortization .....	183,692	53,402	39,346	Cr. 72,926	20,198	3,120,649	3,344,361	31,459,772
Total operating expenses .....	4,658,226	623,387	542,967	239,568	393,081	18,667,647	25,124,876	282,414,458
Operating income (loss) .....	70,230	Dr. 225,163	105,385	26,775	Dr. 35,901	Dr. 1,432,107	Dr. 1,490,781	16,297,769
Non-operating income - Net:								
Capital gains and losses .....	136,823	-	-	242,416	-	1,015,953	1,395,192	1,908,405
Interest and discounts .....	37,776	39	-	-	547	158,713	197,075	2,130,955
Miscellaneous non-operating income ..	35,084	25	Dr. 3,341	Dr. 1,110	Dr. 96	30,978	61,540	86,991
Income before interest expense .....	279,913	Dr. 225,099	102,044	268,081	Dr. 35,450	Dr. 226,463	163,026	20,424,120
Interest expense .....	2,284,919	29,193	11,244	4,683	4,839	964,810	3,299,688	14,473,550
Income before income taxes .....	Dr. 2,005,006	Dr. 254,292	90,800	263,398	Dr. 40,289	Dr. 1,191,273	Dr. 3,136,662	5,950,570
Provision for income taxes .....	-	-	7,350	-	-	-	7,350	7,350
Net income after income taxes .....	Dr. 2,005,006	Dr. 254,292	83,450	263,398	Dr. 40,289	Dr. 1,191,273	Dr. 3,144,012	5,943,220

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

December 1964

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd.(1)	Total(1)	
Revenue transportation services:									
Unit toll:									
Departures ..... No.	1,701	10,880	12,581	918	1,337	928	1,153	4,336	16,917
Hours flown ..... "	3,383	14,491	17,874	938	1,416	773	1,284	4,411	22,285
Miles scheduled ..... "	1,119,464	3,912,423	5,031,887	63,093	204,419	100,940	107,212	475,664	5,507,551
Miles flown:									
Scheduled - Regular ..... "	1,098,935	3,677,044	4,775,979	58,410	179,846	77,772	104,207	420,235	5,196,214
Extra section ..... "	53,574	452,804	506,378	2,525	15,734	5,404	8,483	32,146	538,524
Non-scheduled ..... "	38,733	-	38,733	89,870	22,991	46,822	68,148	227,831	266,564
Totals ..... "	1,191,242	4,129,848	5,321,090	150,805	218,571	129,998	180,838	680,212	6,001,302
Ratio of regular miles flown to miles scheduled .....	98.2	94.0	94.9	92.6	88.0	77.1	97.2	88.3	94.3
Passengers carried ..... No.	42,074	318,806	360,880	7,456	13,643	8,246	4,585	33,930	394,810
Goods carried:									
Freight ..... lb.	990,829	7,597,476	8,588,305	499,438	568,435	164,564	159,671	1,392,108	9,980,413
Express ..... "	95,530	957,191	1,052,721	13,652	36,161	-	12,727	62,540	1,115,261
Excess baggage ..... "	44,367	..	44,367 (2)	13,589	15,573	22,516	3,796	55,474	99,841 (2)
Mail ..... "	311,889	4,071,555	4,383,444	225,597	208,723	39,052	154,282	627,654	5,011,098
Totals ..... "	1,442,615	12,626,222	14,068,837	752,276	828,892	226,132	330,476	2,137,776	16,206,613
Passenger-miles:									
Scheduled ..... No.	69,981,022	218,251,698	288,232,720	608,243	3,301,543	1,485,245	1,313,698	6,708,729	294,941,449
Non-scheduled ..... "	963,748	-	963,748	1,177,233	67,060	888,909	159,786	2,292,988	3,256,736
Totals ..... "	70,944,770	218,251,698	289,196,468	1,785,476	3,368,603	2,374,154	1,473,484	9,001,717	298,198,185
Available seat-miles on scheduled services ..... "	144,234,464	373,338,260	517,572,724	1,305,178	9,316,180	2,799,024	3,605,870	17,026,252	534,598,976
Passenger load factor on scheduled services .....	48.5	58.4	55.7	46.6	35.4	53.1	36.4	39.4	55.2
Goods ton-miles:									
Freight - Scheduled ..... No.	1,240,458	4,792,238	6,032,696	29,387	159,905	18,407	15,696	223,395	6,256,091
Non-scheduled ..... "	5,212	-	5,212	4,156	3,575	11,944	8,792	28,467	33,679
Totals ..... "	1,245,670	4,792,238	6,037,908	33,543	163,480	30,351	24,488	251,862	6,289,770
Express - Scheduled ..... "	25,123	408,615	433,738	1,350	9,571	-	2,730	13,651	447,389
Non-scheduled ..... "	550	-	550	1,492	-	-	153	1,645	2,195
Totals ..... "	25,673	408,615	434,288	2,842	9,571	-	2,883	15,296	449,584

See footnotes at end of table.



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

December 1964

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc. (1)	Transair Ltd. (1)	Total (1)	
Revenue transportation services - Concluded:									
Unit toll - Concluded:									
Goods ton-miles - Concluded:									
Excess baggage - Scheduled .....	No. 56,004	163,277	219,281	1,059	2,582	1,905	684	6,230	225,511
Non-scheduled ...	" 119	-	119	1,598	66	1,654	52	3,370	3,489
Totals .....	" 56,123	163,277	219,400	2,657	2,648	3,559	736	9,600	229,000
Mail - Scheduled .....	" 274,232	1,801,441	2,075,673	19,388	60,523	3,625	6,294	89,830	2,165,503
Non-scheduled .....	" 3,764	-	3,764	20,805	459	2,541	11,405	35,210	38,974
Totals .....	" 277,996	1,801,441	2,079,437	40,193	60,982	6,166	17,699	125,040	2,204,477
Total - Scheduled .....	" 1,595,817	7,165,571	8,761,388	51,184	232,581	23,937	25,404	333,106	9,094,494
Non-scheduled .....	" 9,645	-	9,645	28,051	4,100	16,139	20,402	68,692	78,337
Totals .....	" 1,605,462	7,165,571	8,771,033	79,235	236,681	40,076	45,806	401,798	9,172,831
Available ton-miles on scheduled services .....	" 18,613,332	57,766,792	76,380,124	402,947	1,319,704	277,102	461,466	2,461,219	78,841,343
Weight load factor on scheduled services(3) .....	46.2	50.2	49.2	34.7	42.9	68.1	38.4	43.6	49.0
Bulk:									
Departures .....	No. 7	55	62	328	888	4	215	1,435	1,497
Hours flown .....	" 37	190	227	533	768	6	524	1,831	2,058
Miles flown .....	" 18,861	82,580	101,441	50,984	96,666	1,130	93,185	241,965	343,406
Passengers carried .....	" 387	1,733	2,120	1,128	1,528	28	766	3,450	5,570
Freight carried .....	lb. -	-	-	108,995	1,157,277	2,500	440,224	1,708,996	1,708,996
Passenger-miles(4) .....	No. 1,472,821	5,124,133	6,596,954	225,893	1,197,754	2,856	1,106,245	2,532,748	9,129,702
Goods ton-miles(4) .....	" -	-	-	12,314	46,649	1,285	317,400	377,648	377,648
Revenue non-transportation services:									
Specialty flying - Hours flown .....	" -	37	37	52	-	-	-	52	89
Total - All services:									
Traffic, hours and miles:(5)									
Revenue:									
Departures .....	" 1,708	10,935	12,643	1,246	2,225	932	1,368	5,771	18,414
Hours flown .....	" 3,420	14,718	18,138	1,523	2,184	779	1,808	6,294	24,432
Miles flown .....	" 1,210,103	4,212,428	5,422,531	201,789	315,237	131,128	274,023	922,177	6,344,708
Passengers carried .....	" 42,461	320,539	363,000	8,584	15,171	8,274	5,351	37,380	400,380
Cargo carried .....	lb. 1,086,359	8,554,667	9,641,026	622,085	1,761,873	167,064	612,622	3,163,644	12,804,670
Goods carried .....	" 1,442,615	12,626,222	14,068,837	861,271	1,986,169	228,632	770,700	3,846,772	17,915,609
Passenger-miles(4) .....	No. 72,417,591	223,375,831	295,793,422	2,011,369	4,566,357	2,377,010	2,579,729	11,534,465	307,327,887
Goods ton-miles(4) .....	" 1,605,462	7,165,571	8,771,033	91,549	283,330	41,361	363,206	779,446	9,550,479

See footnotes at end of table.

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

December 1964

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Trans-Canada Air Lines	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc.(1)	Transair Ltd.(1)	Total(1)	
Total - All services - Concluded:									
Traffic, hours and miles - Concluded:(5)									
Non-revenue:									
Hours flown .....	No. 95	246	341	46	99	42	44	231	572
Passengers carried .....	" 1,655	..	1,655 (2)	324	224	135	84	767	2,422 (2)
Goods carried .....	lb. 222,891	..	222,891 (2)	2,746	42,922	-	24,756	70,424	293,315 (2)
Passenger-miles .....	No. 3,866,091	11,594,159	15,460,250	92,707	56,143	43,142	43,485	235,477	15,695,727
Goods ton-miles .....	" 339,443	325,443	664,886	782	17,609	40	7,328	25,759	690,645
Fuel and oil consumed:									
Turbo fuel - Quantity .....	gal. 3,507,978	11,785,677	15,293,655	123,048	-	110,956	62,652	296,656	15,590,311
Cost .....	\$ 579,571	1,561,215	2,140,786	25,840	-	23,308	14,191	63,339	2,204,125
Gasoline - Quantity .....	gal. 410,328	-	410,328	69,958	273,741	22,197	166,905	532,801	943,129
Cost .....	\$ 98,250	-	98,250	22,840	99,907	7,325	56,291	186,363	284,613
Turbo oil - Quantity .....	gal. 191	2,872	3,063	62	-	451	6	519	3,582
Cost .....	\$ 2,056	29,645	31,701	930	-	1,578	60	2,568	34,269
Other oil - Quantity .....	gal. 3,765	-	3,765	1,074	3,158	491	1,960	6,683	10,448
Cost .....	\$ 3,765	-	3,765	1,342	3,948	393	2,122	7,805	11,570
Average number of employees:									
Pilots and co-pilots .....	No. 215	605	820	53	72	28	45	198	1,018
Other flight personnel .....	" 250	713	963	13	32	13	19	77	1,040
General management .....	" 118	66	184	8	52	49	21	130	314
Maintenance labour .....	" 525	2,656	3,181	194	182	69	100	545	3,726
Aircraft and traffic servicing .....	" 872	3,848	4,720	104	104	116	59	383	5,103
Other personnel .....	" 688	3,782	4,470	38	25	8	57	128	4,598
Total employees .....	" 2,668	11,670	14,338	410	467	283	301	1,461	15,799
Salaries and wages:									
Pilots and co-pilots .....	\$ 274,748	805,105	1,079,853	45,440	64,234	22,825	38,689	171,188	1,251,041
Other flight personnel .....	\$ 136,867	324,081	460,948	4,433	10,040	5,313	6,210	25,996	486,944
General management .....	\$ 102,376	111,657	214,033	8,116	24,590	21,426	14,097	68,229	282,262
Maintenance labour .....	\$ 258,755	1,537,651	1,796,406	88,194	94,607	41,198	41,135	265,134	2,061,540
Aircraft and traffic servicing .....	\$ 419,436	2,160,384	2,579,820	37,595	64,677	54,282	23,345	179,899	2,759,719
Other personnel .....	\$ 284,854	2,065,553	2,350,407	13,255	4,963	4,378	10,450	33,046	2,383,453
Total salaries and wages .....	\$ 1,477,036	7,004,431	8,481,467	197,033	263,111	149,422	133,926	743,492	9,224,959

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

(2) Excludes Trans-Canada Air Lines.

(3) Standard passenger weight used: 200 pounds.

(4) Excludes charter aircraft not having a maximum authorized take-off weight on wheels in excess of 18,000 pounds.

(5) These data exclude non-transportation services, except for hours flown.



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

December 1964

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Passengers carried:							
Originated .....	No. 25,127	5,967	12,918	8,246	4,028	272,190	328,476
Domestic interline .....	" 2,438	1,479	-	-	-	46,616	51,410
Foreign interline .....	" 877	-	-	-	-	-	-
Totals(2) .....	" 28,442	7,446	12,918	8,246	4,028	318,806	379,886
Express carried:							
Originated .....	1b. 95,530	13,652	36,161	-	12,727	957,191	1,115,261
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 95,530	13,652	36,161	-	12,727	957,191	1,115,261
Freight carried:							
Originated .....	" 556,504	499,438	506,943	164,564	54,257	7,597,476	9,379,182
Domestic interline .....	" 23,829	-	-	-	-	-	23,829
Foreign interline .....	" 6,558	-	-	-	-	-	6,558
Totals(2) .....	" 586,891	499,438	506,943	164,564	54,257	7,597,476	9,409,569
Excess baggage carried:							
Originated .....	" 21,338	13,589	14,602	22,516	3,156	..	75,201(3)
Domestic interline .....	" -	-	-	-	-	..	..
Foreign interline .....	" -	-	-	-	-	..	..
Totals(2) .....	" 21,338	13,589	14,602	22,516	3,156	..	75,201
Mail carried:							
Originated .....	" 223,014	201,633	200,311	39,052	35,667	4,071,555	4,771,232
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 223,014	201,633	200,311	39,052	35,667	4,071,555	4,771,232

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

(2) Excludes division interline.

(3) Excludes Trans-Canada Air Lines.

TABLE 6. Operating Statistics, Canadian International Carriers - All Revenue Services, by area of Service

December 1964

	Trans- Border Services	Trans- Atlantic and Polar Services	Southern Services	Pacific and Orient Services	Total International Services	Domestic Services	Grand total
Unit toll:							
Departures .....	No. 1,565	311	507	135	2,518	10,063	12,581
Hours flown .....	" 2,224	1,149	1,431	866	5,670	12,204	17,874
Miles scheduled .....	" 549,394	543,276	525,559	350,779	1,969,008	3,062,879	5,031,887
Miles flown:							
Scheduled - Regular .....	" 472,033	528,275	520,759	346,885	1,867,952	2,908,027	4,775,979
Extra sections .....	" 32,489	8,656	98,415	35,971	175,531	330,847	506,378
Non-scheduled .....	" -	-	-	-	-	38,733	38,733
Totals .....	" 504,522	536,931	619,174	382,856	2,043,483	3,277,607	5,321,090
Ratio of regular miles flown to miles scheduled .....	85.9	97.2	99.1	98.9	94.9	94.9	94.9
Passengers carried .....	No. ...	...	...	...	116,883	243,997	360,880
Cargo carried .....	lb. ...	...	...	...	3,837,569	5,803,457	9,641,026
Mail carried .....	" ...	...	...	...	589,603	3,793,841	4,383,444
Passenger-miles .....	No. 27,280,406	35,534,028	38,071,920	22,961,251	123,847,605	165,348,863	289,196,468
Available seat-miles on scheduled services ..	" 41,289,865	66,544,713	80,096,661	48,417,406	236,349,645	281,223,079	517,572,724
Passenger load factor on scheduled services	66.1	53.4	47.5	47.4	52.4	58.8	55.9
Goods ton-miles:							
Express .....	No. 51,869	-	-	-	51,869	382,419	434,288
Freight .....	" 325,415	1,564,560	420,054	477,960	2,787,989	3,249,919	6,037,908
Excess baggage .....	" 16,832	31,990	45,896	16,846	111,564	107,836	219,400
Mail .....	" 54,515	319,376	89,494	124,330	587,715	1,491,722	2,079,437
Totals .....	" 448,631	1,915,926	555,444	619,136	3,539,137	5,231,896	8,771,033
Available ton-miles on scheduled service ....	" 5,740,636	10,904,824	11,058,807	6,426,597	34,130,864	42,249,260	76,380,124
Weight load factor on scheduled services(1)	55.7	50.1	39.4	45.4	46.6	51.5	49.3
Bulk:							
Departures .....	No. 40	132	6	-	178	...	...
Hours flown .....	" 80	345	61	-	486	...	...
Miles flown .....	" 15,690	113,153	16,730	-	145,573	...	...
Passengers carried .....	" 350	2,600	360	-	3,310	...	...
Goods carried .....	lb. -	62,587	-	-	62,587	...	...
Passenger-miles(2) .....	No. ..	..	..	-	8,372,121	...	...
Goods ton-miles(2) .....	" -	4,780	-	-	4,780	...	...
Total:							
Departures .....	" 1,605	443	513	135	2,696	...	...
Hours flown .....	" 2,304	1,494	1,492	866	6,156	...	...
Miles flown .....	" 520,212	650,084	635,904	382,856	2,189,056	...	...
Passengers carried .....	" ..	..	..	..	120,193	...	...
Goods carried .....	lb. ..	..	..	..	4,489,759(3)	...	...
Passenger-miles(2) .....	No. ..	..	..	22,961,251	132,219,726	...	...
Goods ton-miles(2) .....	" 448,631	1,920,706	555,444	619,136	3,543,917	...	...

(1) Standard passenger weight used: 200 pounds.

(2) Excludes charter aircraft not having a maximum authorized take-off weight on wheels in excess of 18,000 pounds.

(3) Excludes Unit Toll Excess baggage.

TABLE 7. Revenue Traffic Leaving and Entering Canada, Canadian and Foreign Carriers, by Area of Service(1)

December 1964

	United States			Europe		
	To	From	Total	To	From	Total
<b>Passengers carried:</b>						
Unit toll ..... No.	78,525	68,903	147,428	13,070	12,609	25,679
Bulk ..... "	375	141	516	1,979	76	2,055
Totals ..... "	78,900	69,044	147,944	15,049	12,685	27,734
<b>Freight, express and excess baggage carried:</b>						
Unit toll ..... 1b.	626,660	2,675,536	3,302,196	827,533	1,933,044	2,760,577
Bulk ..... "	-	-	-	53,461	-	53,461
Totals ..... "	626,660	2,675,536	3,302,196	880,994	1,933,044	2,814,038
Mail carried (unit toll) ..... "	185,063	348,734	533,797	275,429	298,172	573,601
	All other areas			Totals		
	To	From	Total	To	From	Total
<b>Passengers carried:</b>						
Unit toll ..... No.	11,881	5,702	17,583	103,476	87,214	190,690
Bulk ..... "	-	-	-	2,354	217	2,571
Totals ..... "	11,881	5,702	17,583	105,830	87,431	193,261
<b>Freight, express and excess baggage carried:</b>						
Unit toll ..... 1b.	267,068	156,975	424,043	1,721,261	4,765,555	6,486,816
Bulk ..... "	-	-	-	53,461	-	53,461
Totals ..... "	267,068	156,975	424,043	1,774,722	4,765,555	6,540,277
Mail carried (unit toll) ..... "	43,311	42,878	86,189	503,803	689,784	1,193,587
	Total by Canadian carriers			Total by Foreign carriers		
	Leaving Canada	Entering Canada	Total	Leaving Canada	Entering Canada	Total
<b>Passengers carried:</b>						
Unit toll ..... No.	63,233	50,361	113,594	40,243	36,853	77,096
Bulk ..... "	1,793	33	1,826	561	184	745
Totals ..... "	65,026	50,394	115,420	40,804	37,037	77,841
<b>Freight, express and excess baggage carried:</b>						
Unit toll ..... 1b.	1,167,768	2,559,979	3,727,747	553,493	2,205,576	2,759,069
Bulk ..... "	-	-	-	53,461	-	53,461
Totals ..... "	1,167,768	2,559,979	3,727,747	606,954	2,205,576	2,812,530
Mail carried (unit toll) ..... "	278,736	285,084	563,820	225,067	404,700	629,767

(1) Passengers and goods in transit through Canada are excluded.

TABLE 8. Specialty Flying Services, Canadian Carriers - Groups I to IV, by Type of Service  
December 1964

Type of service:	Fixed wing aircraft				Helicopters			
	Month		Year to date		Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$	No.	\$	No.	\$
Aerial advertising .....	-	-	24	2,363	26	2,470	659	45,721
Aerial fish cultivation .....	-	-	9	1,005	-	-	-	-
Aerial patrol and inspection .....	320	24,388	10,289	1,100,226	293	24,574	7,091	683,027
Aerial pest control .....	42	5,800	5,519	720,069	-	-	-	-
Aerial photography and survey .....	41	2,091	2,955	441,824	39	3,370	444	37,325
Aerial photography (excl. survey) ..	45	2,299	2,948	290,434	-	-	1,384	90,665
Aircraft rental .....	15	203	835	21,688	-	-	3	250
Flying training .....	1,653	28,860	34,751	605,463	1	38	224	16,488
Geophysical survey .....	241	53,676	9,146	824,806	-	-	4,450	557,774
Non-transportation charter .....	-	-	828	75,242	-	-	317	22,235
Philanthropic .....	-	-	-	-	-	-	-	-
Recreational flying .....	539	17,854	12,147	269,416	-	-	71	7,099
Specialty flying - Other .....	-	-	719	215,085	5	950	194	14,929
Totals .....	2,896	135,171	80,170	4,567,621(1)	364	31,402	14,837	1,475,513

(1) Footnote about 3,365 hours for which revenue is not available.

TABLE 9. Helicopter Operating Statistics - Canadian Carriers - Groups I to IV  
December 1964

	Carriers operating helicopters only		Carriers operating both helicopters and fixed wing aircraft		Total	
	Month	Year to date	Month	Year to date	Month	Year to date
Carriers reporting .....	No. 14	...	5	...	19	...
Helicopters - Owned .....	" 129	119	9	14	138	133
Leased .....	" 15	13	1	1	16	14
Totals .....	" 144	132	10	15	154	147
Revenue hours flown - Unit toll .....	" -	47	-	-	-	47
Bulk .....	" 1,559	53,959	65	3,302	1,624	57,261
Specialty .....	" 364	6,711	48	1,637	412	8,348
Totals .....	" 1,923	60,717	113	4,939	2,036	65,656
Non-revenue hours flown .....	" 105	2,292	3	203	108	2,495
Fuel and oil consumed:						
Gasoline .....	gal. 38,727	1,031,991	2,360	98,697	41,087	1,130,688
Cost .....	\$ 17,821	476,508	972	44,370	18,793	520,878
Oil .....	gal. 454	17,238	43	2,231	497	19,469
Cost .....	\$ 764	29,395	57	3,186	821	32,581
Average number of employees:						
Pilots .....	No. 122	122	8	13	130	135
Administrative .....	" 52	48	1	6	53	54
Maintenance labour .....	" 124	119	7	4	131	123
Other personnel .....	" 7	8	-	-	7	8
Totals .....	" 305	297	16	23	321	320
Salaries and wages:						
Pilots .....	\$ 99,451	1,131,397	5,024	99,625	104,475	1,231,022
Administrative .....	\$ 45,898	352,656	400	15,137	46,298	367,793
Maintenance labour .....	\$ 71,262	724,260	3,944	44,354	75,206	768,614
Other personnel .....	\$ 2,995	27,246	-	-	2,995	27,246
Totals .....	\$ 219,606	2,235,559	9,368	159,116	228,974	2,394,681

TABLE 10. Revenues, Expenses and Income, Canadian Carriers Operating Helicopters Only - Groups I to IV  
December 1964

	Current month	Year to date
	dollars	
Operating revenues:		
Unit toll transportation:		
Passengers .....	-	133
Express .....	-	-
Freight .....	-	-
Excess baggage .....	-	-
Mail .....	-	-
Total unit toll transportation .....	-	133
Bulk transportation .....	185,859	6,219,911
Total transportation .....	185,859	6,220,044
Other flying services .....	31,426	820,956
Total flying services .....	217,285	7,041,000
Non-flying services .....	Dr. 29,540	183,325
Total operating revenues .....	187,745	7,224,325
Operating expenses:		
Flying operations .....	Cr. 74,607	2,627,887
Maintenance .....	456,585	1,953,529
General service and administration .....	97,512	882,326
Depreciation and amortization .....	199,312	741,101
Total operating expenses .....	678,802	6,204,843
Operating income (deficit) .....	Dr. 491,057	1,019,482
Non-operating income:		
Capital gains and losses .....	Dr. 30,190	53,731
Interest and discounts .....	4,618	5,041
Miscellaneous non-operating income .....	Dr. 21,260	Dr. 17,302
Income before interest expense .....	Dr. 537,889	1,060,952
Interest expense .....	5,896	145,475
Income before income taxes .....	Dr. 543,785	915,477
Provision for income taxes .....	32,051	58,857
Net income after income taxes .....	Dr. 575,836	856,620

TABLE 11. Operating Statistics, Canadian Group V Carriers  
December 1964

	Quarter	Year to date
Reporting carriers .....	No. 289	...
Transportation:		
Hours flown .....	" 21,193	113,705
Passengers carried .....	" 37,245	213,231
Goods carried .....	lb. 3,150,045	16,540,599
Specialty flying services:		
Aerial advertising .....	hr. 1	1
Aerial fish cultivation .....	" -	124
Aerial patrol and inspection .....	" 1,157	7,788
Aerial pest control .....	" 17	6,721
Aerial photography and survey .....	" 176	728
Aerial photography (excl. survey) .....	" 79	670
Aircraft rental .....	" 3,185	16,985
Flying training .....	" 18,719	82,693
Geophysical survey .....	" 14	850
Non-transportation charter .....	" 125	261
Philanthropic .....	" -	-
Recreational flying .....	" 3,858	19,316
Specialty flying - Other .....	" 71	1,212
Totals .....	" 27,402	137,349
Total - All services:		
Revenue hours flown .....	No. 48,595	251,054
Non-revenue hours flown .....	" 3,510	13,890



CIVIL AVIATION DEFINITIONS(1)

Bulk Transportation:

- (1) Public transportation of passengers or goods from a designated base at a toll per mile or per hour for the charter of the entire aircraft (Class 4); and
- (2) Transportation of passengers and goods in accordance with one or more specific contracts (Class 5).

Classification of Canadian Carriers by Groups

Group I Carriers: Canadian Air Carriers licensed to perform both domestic and international scheduled services. (Trans-Canada Air Lines and Canadian Pacific Air Lines Ltd.).

Group II Carriers: Canadian Air Carriers other than Group I carriers licensed to perform domestic scheduled services and Nordair Ltd.(2).

Group III Carriers: Canadian Air Carriers licensed to perform non-scheduled services with gross annual flying revenues of \$500,000 or over (excepting air carriers included in Group I and II).

Group IV Carriers: Canadian Air Carriers licensed to perform non-scheduled services with gross annual flying revenues of \$100,000 and over, but less than \$500,000.

Group V Carriers: Canadian Air Carriers licensed to perform non-scheduled services with gross annual flying revenues of less than \$100,000.

Cargo:

Air freight and air express (excluding mail and excess baggage).

Carrier, Air:

Any person who operates aircraft in or over Canada for hire or reward.

Non-Scheduled Carriers: Carriers not operating any scheduled (Class I) service.

Scheduled Carriers: Air Carriers serving designated points in accordance with a service schedule and at a toll per unit.

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- (1) Reference to Classes refers to the classification of air carriers as defined by the Air Transport Board and published in the "Directory of Canadian Commercial Air Services" Queen's Printer, Ottawa.
  - (2) For statistical purposes in this report, Nordair Ltd. is included with Group III carriers.



Freedoms of the Air:

- First Freedom: The privilege to fly over the territory of a foreign country without landing.
- Second Freedom: The privilege to land on the territory of a foreign country for non-traffic purposes.
- Third Freedom: The privilege to put down in a foreign country, passengers, mail and cargo taken on in the territory of the state whose nationality the aircraft possesses.
- Fourth Freedom: The privilege to take on in a foreign country, passengers, mail and cargo destined for the territory of the state whose nationality the aircraft possesses.
- Fifth Freedom: The privilege to take on in a foreign country, passengers, mail and cargo destined for the territory of any other foreign state and the privilege to put down in a foreign country, passengers, mail and cargo coming from any such territory.

Goods: Air Cargo (freight and express) plus mail and excess baggage.

Interline Traffic:

- Domestic Interline: Passengers and goods received by a carrier at Canadian points from other Canadian Air Carriers.
- Foreign Interline: Passengers and goods received by a carrier from Foreign Air Carriers.
- Divisional Interline: Passengers and goods received from other operating divisions of the same carrier.

International Services:

- Trans-Border Services: Services between Canada and the United States.
- Southern Services: Services between Canada and Bermuda, the Caribbean, Mexico, Central 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.

Load Capacity Available: Load capacity available for the transportation of goods and passengers after deduction of the operating load of gas and oil, crew, stewards' supplies, etc.

<u>Load Factor, Passenger:</u>	Ratio of revenue passenger-miles performed to available seat-miles.
<u>Load Factor, Weight:</u>	- See Weight, Load-Factor.
<u>Miles:</u>	Statute miles of 5,280 ft.
<u>Passenger:</u>	A person occupying a separate seat on a one-way trip. For statistical purposes an infant-in-arms is not considered a passenger. A round trip passenger is counted as two passengers.
Passenger Load-Factor:	- See Load Factor, Passenger.
Passenger-Mile:	The transportation of one passenger one mile.
Non-Revenue Passenger:	A child or adult carried on a revenue transportation flight for whom no fare is collected, including company personnel.
Revenue Passenger:	A child or adult for which a fare or part of a fare is paid.
<u>Seat-Miles Available:</u>	Seats available for the transportation of passengers multiplied by the miles flown on each inter-station flight.
<u>Specialty Flying Services:</u>	Non-transportation flying services, such as flying training, aerial photography, aerial pest control and aerial advertising.
<u>Tons:</u>	Short tons of 2,000 lbs.
<u>Ton-Mile:</u>	The transportation of one ton of goods one mile.
<u>Ton-Miles Available:</u>	Available load capacity multiplied by miles flown on each inter-station flight.
<u>Unit Toll Transportation:</u>	Public transportation of passengers and goods at a toll per unit. It includes: <ul style="list-style-type: none"><li>(i) the scheduled services, which provide public transportation between designated points in accordance with a schedule (Class I); and</li><li>(ii) the non-scheduled services, which provide public transportation either between designated points on a route pattern and with some degree of regularity (Class 2) or from a designated base to serve a defined area or a specific point or points (Class 3).</li></ul>
<u>Weight Load Factor:</u>	Ratio of revenue ton-miles performed to available ton-miles.

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