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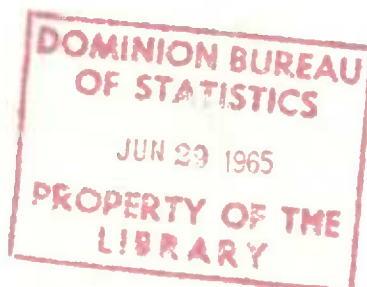
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CIVIL AVIATION

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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 was revised as of 1st January 1964. In January 1965, 3 former Group IV carriers were promoted to Group III, 1 Group III carrier was transferred to Group IV and 7 Group V carriers were transferred to Group IV. 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 is comprised of 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.

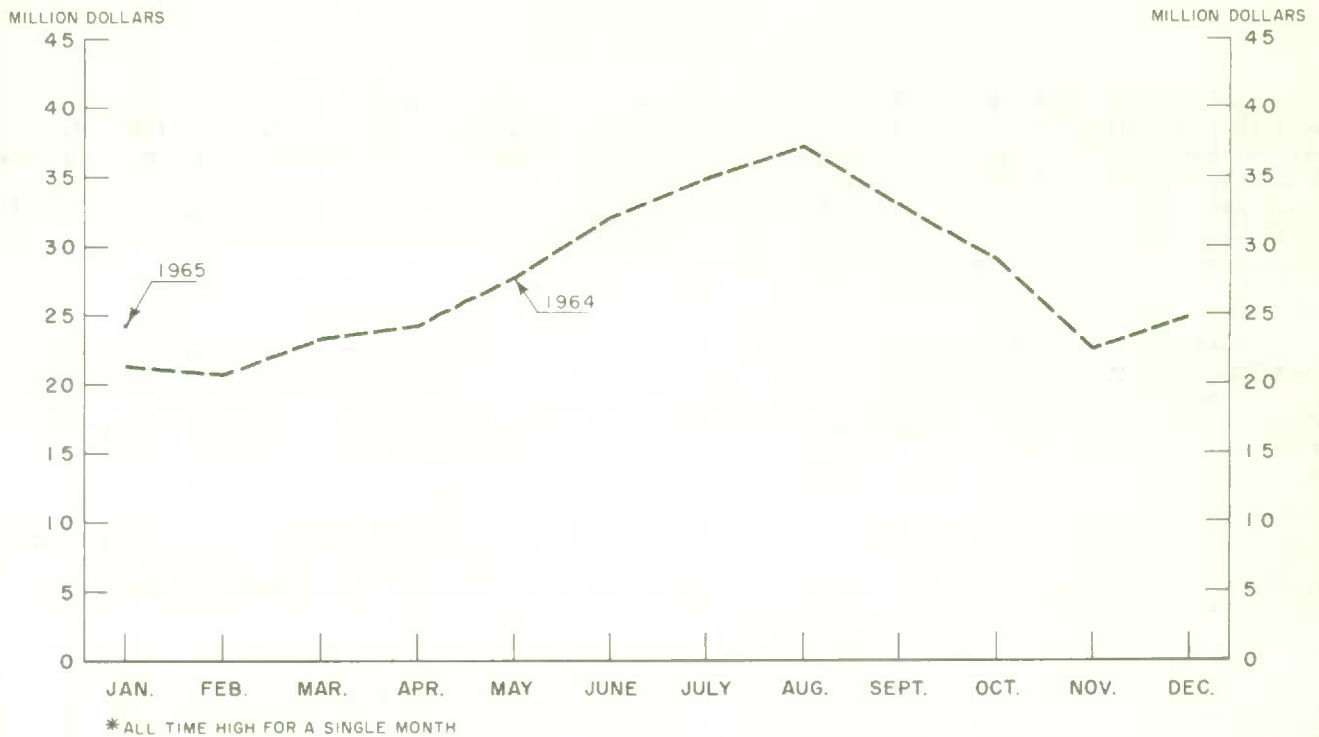
Domestic and international operations of Canadian carriers are combined in all tables except Table 6 which provides a breakdown of domestic and international operations for Canadian carriers operating international unit toll and bulk services.

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.

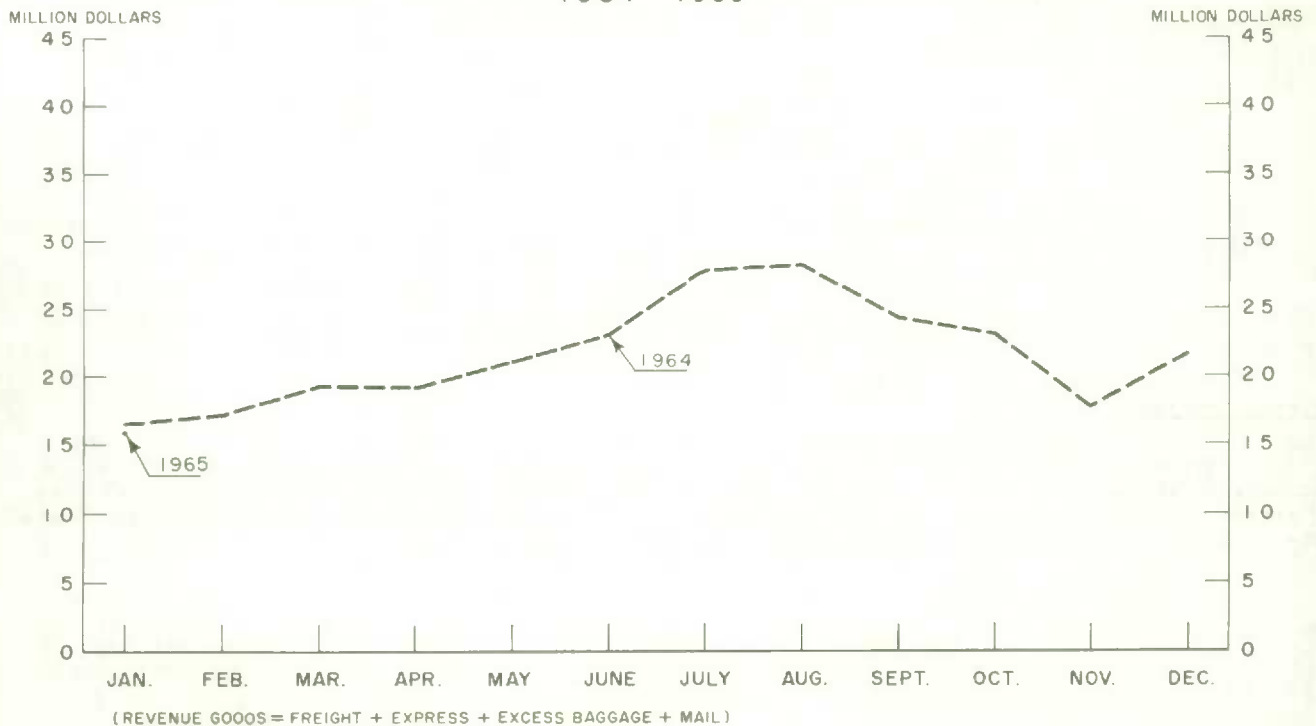
Table 7 provides data on traffic leaving and entering Canada on an area of service basis. Passengers, cargo and mail in transit through Canada are excluded. The table contains the operations of both Canadian and Foreign carriers with separate totals for each.

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 1964 - 1965



REVENUE GOODS CARRIED BY CANADIAN AIR CARRIERS 1964 - 1965



REVIEW OF JANUARY OPERATIONS

An increase was reported in the transportation of revenue passengers while revenue goods carried by Canadian Air Carriers decreased in the month of January compared with January 1964. Passengers carried totalled 443,885, and increase of 12.3 per cent, while goods transported showed a decrease of 3.7 per cent to 7,974 tons. The revenue miles flown were up 2.7 per cent to 7,252,562 miles. Passenger-miles and goods ton-miles performed by Canadian carriers in unit toll and bulk services totalled 334,555,101 and 7,364,349, respectively. Unit toll services accounted for 96.4 per cent of the total passenger-miles and 94.0 per cent of the total goods ton-miles.

January operating revenues increased 13.8 per cent over January 1964 to \$24,161,761 while operating expenses increased to \$25,402,493. An operating loss of \$1,240,732 was therefore reported. This compared with an operating loss of \$2,640,848 for the same month of the previous year. A net deficit after provision for income taxes of \$2,082,449 was reported as against a net deficit of \$3,547,163 in January 1964.

Revenue hours reported flown by 16 carriers who operated 154 helicopters exclusively amounted to 1,405. Hours reported flown by 7 helicopters operated by 6 fixed wing carriers totalled 54. Operating revenues reported by helicopter operators amounted to \$189,334 while operating expenses amounted to \$372,264.

In January the six scheduled carriers transported 421,218 revenue passengers, 94.9 per cent of passengers carried by all Canadian carriers. They also carried 6,504 tons of revenue goods, 81.6 per cent of the total. Operating revenues of scheduled carriers amounted to \$22,971,755 or 95.1 per cent of the total. Operating expenses amounted to \$23,732,528 or 93.4 per cent of the total. Comparable figures for January 1964 are: passengers 94.0 per cent, goods 73.1 per cent, revenues 93.9 per cent and expenses 93.2 per cent.

Revenue passenger-miles performed by Canadian carriers in international unit toll service in January amounted to 142,979,052 or 45.7 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	20.1
Trans-Atlantic and Polar	22.1
Southern	36.7
Pacific and Orient	<u>21.1</u>
Total	<u>100.0</u>

Foreign Carriers:

Foreign carriers licensed to operate in Canada transported 79,758 revenue passengers during January, an increase of 23.6 per cent over January 1964. Revenue goods carried totalled 1,175 tons, an increase of 16.1 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

January 1965

	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	53	69	75	10	9	94	
Revenue transportation services:									
Unit toll:									
Departures No.	16,728	1,828	403	2,231	18,959	..	..	..
Hours flown "	21,894	1,611	248	1,859	23,753	321	678	24,752	
Miles scheduled "	5,587,932	...	...	...	5,587,932	83,952	343,629	6,015,513	
Miles flown:(4)									
Scheduled "	5,686,342	...	...	...	5,686,342	79,238	349,348	6,114,928	
Non-scheduled "	265,777	182,844	30,838	213,682	479,459	-	-	479,459	
Totals "	5,952,119	182,844	30,838	213,682	6,165,801	79,238	349,348	6,594,387	
Passengers carried "	414,951	5,495	2,669	8,164	423,115	59,688	17,254	500,057	
Goods carried:									
Cargo lb.	8,006,416	256,979	95,350	352,329	8,358,745)				
Excess baggage "	104,723(5)	425	6,948	7,373	112,096)	777,265	1,564,892	10,812,998	
Mail "	3,652,054	129,586	23,514	153,100	3,805,154	148,745	190,680	4,144,579	
Totals "	11,763,193	386,990	125,812	512,802	12,275,995	926,010	1,755,572	14,957,577	
Passenger-miles No.	321,737,862	573,076	149,607	722,683	322,460,545 ✓	2,521,527	13,469,841	338,451,913	
Goods ton-miles:									
Cargo "	5,072,349	15,524	4,606	20,130	5,092,479 ✓				
Excess baggage "	233,337	65	221	286	233,623 ✓	18,083	584,729	5,928,914	
Mail "	1,571,693	23,079	1,380	24,459	1,596,152 ✓	3,132	85,099	1,684,383	
Totals "	6,877,379	38,668	6,207	44,875	6,922,254	21,215	669,828	7,613,297	
Bulk:									
Departures "	1,493	2,256	5,082	7,338	8,831	..	..	..
Hours flown "	1,947	2,833	4,172	7,005	8,952 ✓	17	22	8,991	
Miles flown "	339,775	309,796	437,190	746,986	1,086,761	7,490	9,980	1,104,231	
Passengers carried "	6,267	6,423	8,080	14,503	20,770	2,139	677	23,586	
Freight carried lb.	1,244,350	1,608,456	820,076	2,428,532	3,672,882	-	7,587	3,680,469	
Passenger-miles(6) No.	9,396,463	2,534,476	163,617	2,698,093	12,094,556	..	..	..
Goods ton-miles(6) "	301,692	123,161	17,242	140,403	442,095	..	..	..
Revenue non-transportation services:									
Specialty flying - Hours flown "	103	434	3,494	3,928	4,031	-	-	4,031	

See footnotes at end of table.

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

January 1965

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)		
	Groups I and II(1)	Group III(1)	Group IV	Total					
Total - All services:									
Revenue:									
Traffic, miles and hours:(7)									
Departures	No.	18,221	4,084	5,485	9,569	27,790	..	..	..
Hours flown	"	23,944	4,878	7,914	12,792	36,736	338	700	37,774
Miles flown	"	6,291,894	492,640	468,028	960,668	7,252,562	86,728	359,328	7,698,618
Passengers carried	"	421,218	11,918	10,749	22,667	443,885	61,827	17,931	523,643
Cargo carried	lb.	9,250,766	1,865,435	915,426	2,780,861	12,031,627	777,265(8)	1,572,479(8)	14,493,467(8)
Goods carried	"	13,007,543	1,995,446	945,888	2,941,334	15,948,877	926,010	1,763,159	18,638,046
Passenger-miles(6)	No.	331,134,325	3,107,552	313,224	3,420,776	334,555,101	2,521,527	13,469,841	350,546,469
Goods ton-miles(6)	"	7,179,071	161,829	23,449	185,278	7,364,349	21,215	669,828	8,055,392
Non-revenue:									
Hours flown	"	717	351	278	629	1,346	1	-	1,347
Passengers carried	"	2,756	5	9	14	2,770	700	301	3,771
Goods carried	lb.	201,201	-	-	-	201,201	13,056	62,768	278,025
Passenger-miles	No.	16,996,550	1,272	-	1,272	16,997,822	32,442	210,992	17,241,256
Goods ton-miles	"	484,264	-	-	-	484,264	301	18,487	503,052
Fuel and oil consumed:									
Turbo fuel - Quantity	gal.	15,875,560	-	5,002	5,002	15,880,562	90,435	2,024,596	17,995,593
Cost	\$	2,213,207	-	1,752	1,752	2,214,959	16,222	329,304	2,560,485
Gasoline - Quantity	gal.	871,455	209,882	123,357	333,239	1,204,694	31,324	6,330	1,242,348
Cost	\$	280,072	90,384	52,578	142,962	423,034	8,221	1,304	432,559
Turbo oil - Quantity	gal.	3,430	-	1	1	3,431	48	70	3,549
Cost	\$	34,226	-	15	15	34,241	270	657	35,168
Other oil - Quantity	gal.	10,541	2,239	1,703	3,942	14,483	52	-	14,535
Cost	\$	11,858	3,262	2,701	5,963	17,821	73	-	17,894
Average number of employees:									
Pilots and co-pilots	No.	1,042	237	228	465	1,507	..	..	..
Other flight personnel	"	1,034	14	21	35	1,069	..	..	..
General management	"	311	88	82	170	481	..	..	..
Maintenance labour	"	3,717	260	215	475	4,192	..	..	..
Aircraft & traffic servicing	"	5,099	76	31	107	5,206	..	..	..
Other personnel	"	4,588	128	75	203	4,791	..	..	..
Totals	"	15,791	803	652	1,455	17,246	256	656	18,158
Salaries and wages paid:									
Pilots and co-pilots	\$	1,264,361	153,701	121,713	275,414	1,539,775	..	..	..
Other flight personnel	\$	530,244	7,077	6,099	13,176	543,420	..	..	..
General management	\$	280,754	58,849	48,423	107,272	388,026	..	..	..
Maintenance labour	\$	1,941,793	122,841	92,793	215,634	2,157,427	..	..	..
Aircraft & traffic servicing	\$	2,548,108	25,805	13,171	38,976	2,587,084	..	..	..
Other personnel	\$	2,387,403	45,640	23,009	68,649	2,456,052	..	..	..
Totals	\$	8,952,663	413,913	305,208	719,121	9,671,784	157,430	325,924	10,155,138

- (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 Group I carriers.
 (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

January 1965

	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	18,023,554	786,000	18,809,554	89,456	29,880	119,336	18,928,890	
Express	357,352	16,055	373,407	6,168	2,938	9,106	382,513	
Freight	1,157,230	168,070	1,325,300	22,978	2,741	25,719	1,351,019	
Excess baggage	103,572	12,968	116,540	Dr. 1	437	436	116,976	
Mail	1,281,990	130,821	1,412,811	38,956	5,279	44,235	1,457,046	
Total unit toll transportation ..	20,923,698	1,113,914	22,037,612	157,557	41,275	198,832	22,236,444	
Bulk transportation	238,867	359,789	598,656	406,235	331,350	737,585	1,336,241	
Total transportation	21,162,565	1,473,703	22,636,268	563,792	372,625	936,417	23,572,685	
Other flying services	1,118	10,018	11,136	49,946	127,438	177,384	188,520	
Total flying services	21,163,683	1,483,721	22,647,404	613,738	500,063	1,113,801	23,761,205	
Non-flying services	294,557	29,794	324,351	35,619	40,586	76,205	400,556	
Total operating revenues	21,458,240	1,513,515	22,971,755	649,357	540,649	1,190,006	24,161,761	
Operating expenses:								
Flying operations	5,343,257	543,023	5,886,280	369,267	241,843	611,110	6,497,390	
Maintenance	4,618,333	491,389	5,109,722	309,740	193,144	502,884	5,612,606	
General services and administration:								
Passenger service	1,787,820	58,203	1,846,023	..	..	..	..
Aircraft and traffic servicing	3,368,226	266,361	3,634,587	..	..	..	..
Promotion and sales	3,493,053	110,101	3,603,154	..	..	..	..
General administration	963,360	111,529	1,074,889	..	..	..	..
Totals	9,612,459	546,194	10,158,653	213,504	160,404	373,908	10,532,561	
Depreciation and amortization	2,458,372	119,501	2,577,873	95,070	86,993	182,063	2,759,936	
Total operating expenses	22,032,421	1,700,107	23,732,528	987,581	682,384	1,669,965	25,402,493	
Operating income (loss)	Dr. 574,181	Dr. 186,592	Dr. 760,773	Dr. 338,224	Dr. 141,735	Dr. 479,959	Dr. 1,240,732	
Non-operating income - Net:								
Capital gains and losses	-	-	-	13,948	558	14,506	14,506	
Interest and discounts	191,450	31	191,481	2,473	Dr. 1,721	752	192,233	
Miscellaneous non-operating income ..	4,055	Dr. 1,734	2,321	Dr. 1,091	4,375	3,284	5,605	
Income before interest expense	Dr. 378,676	Dr. 188,295	Dr. 566,971	Dr. 322,894	Dr. 138,523	Dr. 461,417	Dr. 1,028,388	
Interest expense	955,904	56,257	1,012,161	24,595	13,176	37,771	1,049,932	
Income before income taxes	Dr. 1,334,580	Dr. 244,552	Dr. 1,579,132	Dr. 347,489	Dr. 151,699	Dr. 499,188	Dr. 2,078,320	
Provision for income taxes	-	-	-	Cr. 12,979	17,108	4,129	4,129	
Net income after income taxes	Dr. 1,334,580	Dr. 244,552	Dr. 1,579,132	Dr. 334,510	Dr. 168,807	Dr. 503,317	Dr. 2,082,449	

(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

January 1965

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Air Canada	Total	Year to date
	dollars							
Operating revenues:								
Unit toll transportation:								
Passengers	4,283,747	147,954	292,418	229,094	116,534	13,739,807	18,809,554	
Express	21,199	4,073	9,679	-	2,303	336,153	373,407	
Freight	282,805	57,065	68,160	25,070	17,775	874,425	1,325,300	
Excess baggage	29,102	1,301	7,046	3,675	946	74,470	116,540	
Mail	281,080	56,493	43,275	6,789	24,264	1,000,910	1,412,811	
Total unit toll transportation ..	4,897,933	266,886	420,578	264,628	161,822	16,025,765	22,037,612	
Bulk transportation	65,524	76,780	138,397	4,331	140,281	173,343	598,656	
Total transportation	4,963,457	343,666	558,975	268,959	302,103	16,199,108	22,636,268	
Other flying services	-	10,018	-	-	-	1,118	11,136	
Total flying services	4,963,457	353,684	558,975	268,959	302,103	16,200,226	22,647,404	
Non-flying services	50,615	10,858	4,016	12,300	2,620	243,942	324,351	
Total operating revenues	5,014,072	364,542	562,991	281,259	304,723	16,444,168	22,971,755	
Operating expenses:								
Flying operations	1,759,649	125,822	223,731	71,014	122,456	3,583,608	5,886,280	
Maintenance	708,703	140,164	133,177	86,097	131,951	3,909,630	5,109,722	
General services and administrations:								
Passenger service	425,027	13,621	21,803	8,578	14,201	1,362,793	1,846,023	
Aircraft and traffic servicing	612,739	86,115	133,954	30,096	16,196	2,755,487	3,634,587	
Promotion and sales	982,960	1,389	25,450	48,431	34,831	2,510,093	3,603,154	
General administration	192,021	26,960	38,227	26,228	20,114	771,339	1,074,889	
Totals	2,212,747	128,085	219,434	113,333	85,342	7,399,712	10,158,653	
Depreciation and amortization	180,989	52,071	29,347	24,131	13,952	2,277,383	2,577,873	
Total operating expenses	4,862,088	446,142	605,689	294,575	353,701	17,170,333	23,732,528	
Operating income (loss)	151,984	Dr. 81,600	Dr. 42,698	Dr. 13,316	Dr. 48,978	Dr. 726,165	Dr. 760,773	
Non-operating income - Net:								
Capital gains and losses	-	-	-	-	-	-	-	
Interest and discounts	37,427	12	-	-	19	154,023	191,481	
Miscellaneous non-operating income ..	1,286	14	45	Dr. 1,226	Dr. 567	2,769	2,321	
Income before interest expense	190,697	Dr. 81,574	Dr. 42,653	Dr. 14,542	Dr. 49,526	Dr. 569,373	Dr. 566,971	
Interest expense	-	30,482	9,963	11,091	4,720	955,904	1,012,160	
Income before income taxes	190,697	Dr. 112,056	Dr. 52,616	Dr. 25,633	Dr. 54,246	Dr. 1,525,277	Dr. 1,579,131	
Provision for income taxes	-	-	-	-	-	-	-	
Net income after income taxes	190,697	Dr. 112,056	Dr. 52,616	Dr. 25,633	Dr. 54,246	Dr. 1,525,277	Dr. 1,579,131	

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

January 1965

		Group I carriers			Group II carriers					Grand total
		Canadian Pacific Air Lines	Air Canada	Total	Eastern Provincial Airways (1963)	Pacific Western Airlines(1)	Quebecair Inc. (1)	Transair Ltd. (1)	Total(1)	
Revenue transportation services:										
Unit toll:										
Departures	No.	1,662	10,896	12,558	1,016	1,203	975	976	4,170	16,728
Hours flown	"	3,479	14,251	17,730	1,015	1,303	816	1,030	4,164	21,894
Miles scheduled	"	1,194,321	3,983,355	5,177,676	58,054	184,101	87,917	80,184	410,256	5,587,932
Miles flown:										
Scheduled - Regular	"	1,188,568	3,806,424	4,994,992	50,140	170,627	86,660	78,093	385,520	5,380,512
Extra section	"	33,853	248,068	281,921	11,804	5,178	2,028	4,899	23,909	305,830
Non-scheduled	"	35,697	-	35,697	93,064	22,171	52,962	61,883	230,080	265,777
Totals	"	1,258,118	4,054,492	5,312,610	155,008	197,976	141,650	144,875	639,509	5,952,119
Ratio of regular miles flown to miles scheduled		99.5	95.6	96.5	86.4	92.7	98.6	97.4	94.0	96.3
Passengers carried	No.	45,279	336,747	382,026	6,556	13,215	8,965	4,189	32,925	414,951
Goods carried:										
Freight	1b.	752,354	4,910,268	5,662,622	518,333	534,086	133,664	109,518	1,295,601	6,958,223
Express	"	98,160	887,436	985,596	24,845	28,271	-	9,481	62,597	1,048,193
Excess baggage(2)	"	50,376	..	50,376	9,171	20,018	19,908	5,250	54,347	104,723
Mail	"	233,583	2,973,926	3,207,509	179,484	136,818	32,918	95,325	444,545	3,652,054
Totals	"	1,134,473	8,771,630	9,906,103	731,833	719,193	186,490	219,574	1,857,090	11,763,193
Passenger-miles:										
Scheduled	No.	79,417,054	232,200,842	311,617,896	517,505	3,307,497	1,802,635	1,091,682	6,719,319	318,337,215
Non-scheduled	"	955,967	-	955,967	1,047,218	76,136	1,086,659	234,667	2,444,680	3,400,647
Totals	"	80,373,021	232,200,842	312,573,863	1,564,723	3,383,633	2,889,294	1,326,349	9,163,999	321,737,862
Available seat-miles on scheduled services	"	151,483,999	380,846,982	532,330,981	1,370,531	8,122,142	3,026,320	2,994,581	15,513,574	547,844,555
Passenger load factor on scheduled services		52.4	61.0	58.5	37.8	40.7	59.6	36.5	43.3	58.1
Goods ton-miles:										
Freight - Scheduled	No.	853,660	3,491,259	4,344,919	120,857	139,267	24,674	5,951	290,749	4,635,668
Non-scheduled	"	2,223	-	2,223	7,183	2,322	9,363	12,867	31,735	33,958
Totals	"	855,883	3,491,259	4,347,142	128,040	141,589	34,037	18,818	322,484	4,669,626
Express - Scheduled	"	25,102	365,397	390,499	1,530	6,978	-	1,629	10,137	400,636
Non-scheduled	"	692	-	692	1,049	-	-	346	1,395	2,087
Totals	"	25,794	365,397	391,191	2,579	6,978	-	1,975	11,532	402,723

See footnotes at end of table.

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

January 1965

	Group I carriers			Group II carriers					Grand total
	Canadian Pacific Air Lines	Air Canada	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. 53,109	171,423	224,532	600	2,970	1,779	883	6,232	230,764
Non-scheduled ...	" 90	-	90	755	94	1,454	180	2,483	2,573
Totals	" 53,199	171,423	224,622	1,355	3,064	3,233	1,063	8,715	233,337
Mail - Scheduled	" 274,545	1,212,107	1,486,652	12,239	38,766	3,092	4,941	59,038	1,545,690
Non-scheduled	" 2,929	-	2,929	13,951	314	2,046	6,763	23,074	26,003
Totals	" 277,474	1,212,107	1,489,581	26,190	39,080	5,138	11,704	82,112	1,571,693
Total - Scheduled	" 1,206,416	5,240,186	6,446,602	135,226	187,981	29,545	13,404	366,156	6,812,758
Non-scheduled	" 5,934	-	5,934	22,938	2,730	12,863	20,156	58,687	64,621
Totals	" 1,212,350	5,240,186	6,452,536	158,164	190,711	42,408	33,560	424,843	6,877,379
Available ton-miles on scheduled services	" 19,688,423	57,858,210	77,546,633	382,570	943,758	300,323	324,034	1,950,685	79,497,318
Weight load factor on scheduled services(3)	46.5	49.2	48.5	48.9	55.0	69.9	37.8	53.2	48.6
Bulk:									
Departures	No. 20	63	83	220	971	5	214	1,410	1,493
Hours flown	" 68	205	273	310	870	15	479	1,674	1,947
Miles flown	" 28,713	88,417	117,130	29,398	108,674	2,806	81,767	222,645	339,775
Passengers carried	" 644	1,859	2,503	626	2,266	-	872	3,764	6,267
Freight carried	1b. -	-	-	83,926	726,329	12,000	422,095	1,244,350	1,244,350
Passenger-miles(4)	No. 1,652,374	5,116,310	6,768,684	125,240	1,615,261	-	887,278	2,627,779	9,396,463
Goods ton-miles(4)	" -	-	-	3,918	11,380	19,642	266,752	301,692	301,692
Revenue non-transportation services:									
Specialty flying - Hours flown	" -	5	5	98	-	-	-	98	103
Total - All services:									
Traffic, hours and miles:(5)									
Revenue:									
Departures	" 1,682	10,959	12,641	1,236	2,174	980	1,190	5,580	18,221
Hours flown	" 3,547	14,461	18,008	1,423	2,173	831	1,509	5,936	23,944
Miles flown	" 1,286,831	4,142,909	5,429,740	184,406	306,650	144,456	226,642	862,154	6,291,894
Passengers carried	" 45,923	338,606	384,529	7,182	15,481	8,965	5,061	36,689	421,218
Cargo carried	1b. 850,514	5,797,704	6,648,218	627,104	1,288,686	145,664	541,094	2,601,548	9,250,766
Goods carried	" 1,134,473	8,771,630	9,906,103	815,759	1,445,522	198,490	641,669	3,101,440	13,007,543
Passenger-miles(4)	No. 82,025,395	237,317,152	319,342,547	1,689,963	4,998,894	2,889,294	2,213,627	11,791,778	331,134,325
Goods ton-miles(4)	" 1,212,350	5,240,186	6,452,536	162,082	202,091	62,050	300,312	726,535	7,179,071

See footnotes at end of table.

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

January 1965

	Group I carriers			Group II carriers					Grand total	
	Canadian Pacific Air Lines	Air Canada	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.	112	398	510	79	59	31	38	207	717
Passengers carried	"	1,773	-	1,773	512	223	145	103	983	2,756
Goods carried	1b.	142,703	-	142,703	8,637	35,235	-	14,626	58,498	201,201
Passenger-miles	No.	4,152,146	12,447,834	16,599,980	204,190	102,573	38,670	51,137	396,570	16,996,550
Goods ton-miles	"	108,783	358,634	466,417	2,420	12,052	-	3,375	17,847	484,264
Fuel and oil consumed:										
Turbo fuel - Quantity	gal.	3,708,750	11,863,054	15,571,804	127,160	-	119,795	56,801	303,756	15,875,560
Cost	\$	605,616	1,542,725	2,148,341	26,704	-	25,157	13,005	64,866	2,213,207
Gasoline - Quantity	gal.	401,793	-	401,793	58,867	257,382	24,536	128,877	469,662	871,455
Cost	\$	110,830	-	110,830	18,916	92,729	8,097	49,500	169,242	280,072
Turbo oil - Quantity	gal.	302	2,866	3,168	64	-	192	6	262	3,430
Cost	\$	2,441	30,093	32,534	960	-	672	60	1,692	34,226
Other oil - Quantity	gal.	3,863	-	3,863	904	3,405	796	1,573	6,678	10,541
Cost	\$	4,144	-	4,144	1,131	4,256	637	1,690	7,714	11,858
Average number of employees:										
Pilots and co-pilots	No.	225	619	844	54	72	28	44	198	1,042
Other flight personnel	"	253	703	956	13	33	12	20	78	1,034
General management	"	116	65	181	8	53	50	19	130	311
Maintenance labour	"	525	2,647	3,172	194	182	66	103	545	3,717
Aircraft and traffic servicing	"	891	3,832	4,723	104	102	116	54	376	5,099
Other personnel	"	688	3,775	4,463	39	24	8	54	125	4,588
Total employees	"	2,698	11,641	14,339	412	466	280	294	1,452	15,791
Salaries and wages:										
Pilots and co-pilots	\$	284,340	815,481	1,099,821	45,594	60,653	22,637	35,656	164,540	1,264,361
Other flight personnel	\$	176,895	328,246	505,141	4,548	10,371	4,005	6,179	25,103	530,244
General management	\$	100,600	115,473	216,073	8,116	24,384	19,585	12,596	64,681	280,754
Maintenance labour	\$	265,289	1,416,923	1,682,212	87,599	95,849	34,405	41,728	259,581	1,941,793
Aircraft and traffic servicing	\$	395,852	1,983,772	2,379,624	39,574	65,624	41,015	22,271	168,484	2,548,108
Other personnel	\$	281,244	2,073,964	2,355,208	13,552	4,635	4,265	9,743	32,195	2,387,403
Total salaries and wages	\$	1,504,220	6,733,859	8,238,079	198,983	261,516	125,912	128,173	714,584	8,952,663

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

(2) Excludes Air Canada.

(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

January 1965

	Canadian Pacific Air Lines	Eastern Provincial Airways (1963)	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Air Canada	Total
Passengers carried:							
Originated	39,015	6,512	12,564	8,965	3,633	288,783	359,562
Domestic interline	3,023	-	-	-	-	47,964	54,039
Foreign interline	3,052	-	-	-	-	-	-
Totals(2)	45,090	6,512	12,564	8,965	3,633	336,747	413,511
Express carried:							
Originated	98,160	24,845	28,271	-	9,481	887,436	1,048,193
Domestic interline	-	-	-	-	-	-	-
Foreign interline	-	-	-	-	-	-	-
Totals(2)	98,160	24,845	28,271	-	9,481	887,436	1,048,193
Freight carried:							
Originated	647,460	518,333	494,022	133,664	46,040	4,910,268	6,749,787
Domestic interline	19,996	-	-	-	-	-	19,996
Foreign interline	36,415	-	-	-	-	-	36,415
Totals(2)	703,871	518,333	494,022	133,664	46,040	4,910,268	6,806,198
Excess baggage carried:							
Originated	50,376	9,023	18,508	19,908	5,140	..	102,955(3)
Domestic interline	-	-	-	-	-	..	-
Foreign interline	-	-	-	-	-	..	-
Totals(2)	50,376	9,023	18,508	19,908	5,140	..	102,955(3)
Mail carried:							
Originated	233,583	133,212	131,656	32,918	25,849	2,973,926	3,531,144
Domestic interline	-	-	-	-	-	-	-
Foreign interline	-	-	-	-	-	-	-
Totals(2)	233,583	133,212	131,656	32,918	25,849	2,973,926	3,531,144

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

(2) Excludes division interline.

(3) Excludes Air Canada.

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

January 1965

	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.	1,596	335	552	149	2,632	9,926	12,558
Hours flown "	2,271	1,180	1,562	943	5,956	11,774	17,730
Miles scheduled "	553,126	561,418	607,480	397,810	2,119,834	3,057,842	5,177,676
Miles flown:							
Scheduled - Regular "	489,364	549,180	596,901	397,810	2,033,255	2,961,737	4,994,992
Extra sections "	30,918	-	85,538	24,903	141,359	140,562	281,921
Non-scheduled "	-	-	-	-	-	35,697	35,697
Totals "	520,282	549,180	682,439	422,713	2,174,614	3,137,996	5,312,610
Ratio of regular miles flown to miles scheduled "	88.5	97.8	98.3	100.0	95.9	96.9	96.5
Passengers carried No.	...	...	...	...	130,397	251,629	382,026
Cargo carried lb.	...	...	...	...	2,773,381	3,874,837	6,648,218
Mail carried ..... "	...	...	...	...	397,640	2,809,869	3,207,509
Passenger-miles No.	28,732,343	31,566,371	52,461,640	30,218,698	142,979,052	169,594,811	312,573,863
Available seat-miles on scheduled services "	42,299,946	71,414,344	89,339,304	52,495,619	255,819,213	276,511,768	532,330,981
Passenger load factor on scheduled services "	67.9	44.2	58.7	57.6	55.9	61.0	58.5
Goods ton-miles:							
Express No.	52,264	-	-	-	52,264	338,927	391,191
Freight "	282,249	1,197,758	326,237	279,601	2,085,845	2,261,297	4,347,142
Excess baggage "	21,286	27,855	50,958	13,874	113,973	110,649	224,622
Mail "	41,462	142,224	86,577	144,585	414,848	1,074,733	1,489,581
Totals "	397,261	1,367,837	463,772	438,060	2,666,930	3,785,606	6,452,536
Available ton-miles on scheduled service "	5,950,903	10,986,407	12,512,086	7,094,155	36,543,551	41,003,082	77,546,633
Weight load factor on scheduled services(1) "	55.0	41.2	45.6	48.8	46.4	50.3	48.5
Bulk:							
Departures No.	47	83	11	-	141	...	...
Hours flown "	80	467	76	-	623	...	...
Miles flown "	17,316	156,795	19,130	-	193,241	...	...
Passengers carried "	587	3,237	452	-	4,276	...	...
Goods carried lb.	-	16,612	-	-	16,612	...	...
Passenger-miles(2) No.	..	..	1,420,124	-	10,164,618	...	...
Goods ton-miles(2) "	-	1,172	-	-	1,172	...	...
Total:							
Departures "	1,643	418	563	149	2,773	...	...
Hours flown "	2,351	1,647	1,638	943	6,579	...	...
Miles flown "	537,598	705,975	701,569	422,713	2,367,855	...	...
Passengers carried ..... "	..	..	..	..	134,673	...	...
Goods carried lb.	..	..	..	..	3,187,633(3)	...	...
Passenger-miles(2) No.	..	..	..	30,218,698	153,143,670	...	...
Goods ton-miles(2) "	397,261	1,369,009	463,772	438,060	2,668,102	...	...

(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)

January 1965

	United States			Europe		
	To	From	Total	To	From	Total
Passengers carried:						
Unit toll No.	80,068	77,998	158,066	8,624	13,124	21,748
Bulk "	1,635	1,192	2,827	-	2,182	2,182
Totals "	81,703	79,190	160,893	8,624	15,306	23,930
Freight, express and excess baggage carried:						
Unit toll lb.	477,216	2,067,900	2,545,116	601,728	1,616,405	2,218,133
Bulk "	-	-	-	5,574	2,013	7,587
Totals "	477,216	2,067,900	2,545,116	607,302	1,618,418	2,225,720
Mail carried (unit toll) "	120,049	253,836	373,885	118,265	150,006	268,271
	All other areas			Totals		
	To	From	Total	To	From	Total
Passengers carried:						
Unit toll No.	10,946	13,214	24,160	99,638	104,336	203,974
Bulk "	-	-	-	1,635	3,374	5,009
Totals "	10,946	13,214	24,160	101,273	107,710	208,983
Freight, express and excess baggage carried:						
Unit toll lb.	161,063	91,699	252,762	1,240,007	3,776,004	5,016,011
Bulk "	-	-	-	5,574	2,013	7,587
Totals "	161,063	91,699	252,762	1,245,581	3,778,017	5,023,598
Mail carried (unit toll) "	31,170	24,950	56,120	269,484	428,792	698,276
	Total by Canadian carriers			Total by Foreign carriers		
	Leaving Canada	Entering Canada	Total	Leaving Canada	Entering Canada	Total
Passengers carried:						
Unit toll No.	62,228	64,804	127,032	37,410	39,532	76,942
Bulk "	404	1,789	2,193	1,231	1,585	2,816
Totals "	62,632	66,593	129,225	38,641	41,117	79,758
Freight, express and excess baggage carried:						
Unit toll lb.	810,354	1,863,500	2,673,854	429,653	1,912,504	2,342,157
Bulk "	-	-	-	5,574	2,013	7,587
Totals "	810,354	1,863,500	2,673,854	435,227	1,914,517	2,349,744
Mail carried (unit toll) "	168,300	190,551	358,851	101,184	238,241	339,425

(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

January 1965

	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
Type of service:	No.	\$	No.	\$	No.	\$	No.	\$
Aerial advertising	-	-			37	3,667		
Aerial fish cultivation	23	-			-	-		
Aerial patrol and inspection	229	12,308			246	21,032		
Aerial pest control	-	-			-	-		
Aerial photography and survey	205	38,856			-	-		
Aerial photography (excl. survey) ..	17	424			1	38		
Aircraft rental	62	1,033			-	-		
Flying training	2,144	36,187			46	2,850		
Geophysical survey	285	38,141			-	-		
Non-transportation charter	-	-			-	-		
Philanthropic	-	-			-	-		
Recreational flying	601	11,628			-	-		
Specialty flying - Other	5	Dr. 17			130	15,623		
Totals	3,571	138,560			460	43,210		

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

January 1965

	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. 16		6		22	
Helicopters - Owned	" 137		6		143	
Leased	" 17		1		18	
Totals	" 154		7		161	
Revenue hours flown - Unit toll	" -		-		-	
Bulk	" 980		19		999	
Specialty	" 425		35		460	
Totals	" 1,405		54		1,459	
Non-revenue hours flown	" 112		4		116	
Fuel and oil consumed:						
Gasoline	gal. 20,130		1,126		21,256	
Cost	\$ 9,269		418		9,687	
Oil	gal. 285		23		308	
Cost	\$ 496		41		537	
Average number of employees:						
Pilots	No. 132		5		137	
Administrative	" 59		1		60	
Maintenance labour	" 137		5		142	
Other personnel	" 7		-		7	
Totals	" 335		11		346	
Salaries and wages:						
Pilots	\$ 82,802		3,315		86,117	
Administrative	\$ 35,860		400		36,260	
Maintenance labour	\$ 67,719		2,563		70,282	
Other personnel	\$ 1,951		-		1,951	
Totals	\$ 188,332		6,278		194,610	

TABLE 10. Revenues, Expenses and Income, Canadian Carriers Operating Helicopters Only - Groups I to IV
January 1965

	Current month	Year to date
	dollars	
Operating revenues:		
Unit toll transportation:		
Passengers	-	
Express	-	
Freight	-	
Excess baggage	-	
Mail	-	
Total unit toll transportation	-	
Bulk transportation	136,156	
Total transportation	136,156	
Other flying services	39,792	
Total flying services	175,948	
Non-flying services	13,386	
Total operating revenues	189,334	
Operating expenses:		
Flying operations	118,617	
Maintenance	150,676	
General service and administration	60,844	
Depreciation and amortization	42,127	
Total operating expenses	372,264	
Operating income (deficit)	Dr. 182,930	
Non-operating income:		
Capital gains and losses	Dr. 1,856	
Interest and discounts	2,099	
Miscellaneous non-operating income	Dr. 1,667	
Income before interest expense	Dr. 184,354	
Interest expense	15,792	
Income before income taxes	Dr. 200,146	
Provision for income taxes	260	
Net income after income taxes	Dr. 200,406	

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.
<u>Passenger Load-Factor:</u>	- See Load Factor, Passenger.
<u>Passenger-Mile:</u>	The transportation of one passenger one mile.
<u>Non-Revenue Passenger:</u>	A child or adult carried on a revenue transportation flight for whom no fare is collected, including company personnel.
<u>Revenue Passenger:</u>	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: (i) the scheduled services, which provide public transportation between designated points in accordance with a schedule (Class I); and (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).
<u>Weight Load Factor:</u>	Ratio of revenue ton-miles performed to available ton-miles.

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