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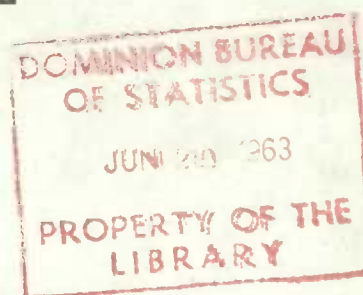
MONTHLY



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# CIVIL AVIATION

DECEMBER 1962



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CATALOGUE NO.

51-001

MONTHLY

## CIVIL AVIATION

### NOTICE TO USERS

Commencing with January, 1963, summary statistics of the Canadian and foreign scheduled air carriers operating in Canada will be released in the D.B.S. Daily Bulletin prior to the publication of the "Civil Aviation" monthly report.

This new practice represents one more effort on the part of the Dominion Bureau of Statistics to produce timely and meaningful statistics for a sector of the Canadian economy.

Subscriptions to the Daily Bulletin can be made by writing to the Publications Distribution Unit, Financial Control Section, Dominion Bureau of Statistics, Ottawa. The price for a single subscription is \$1.00 per year.

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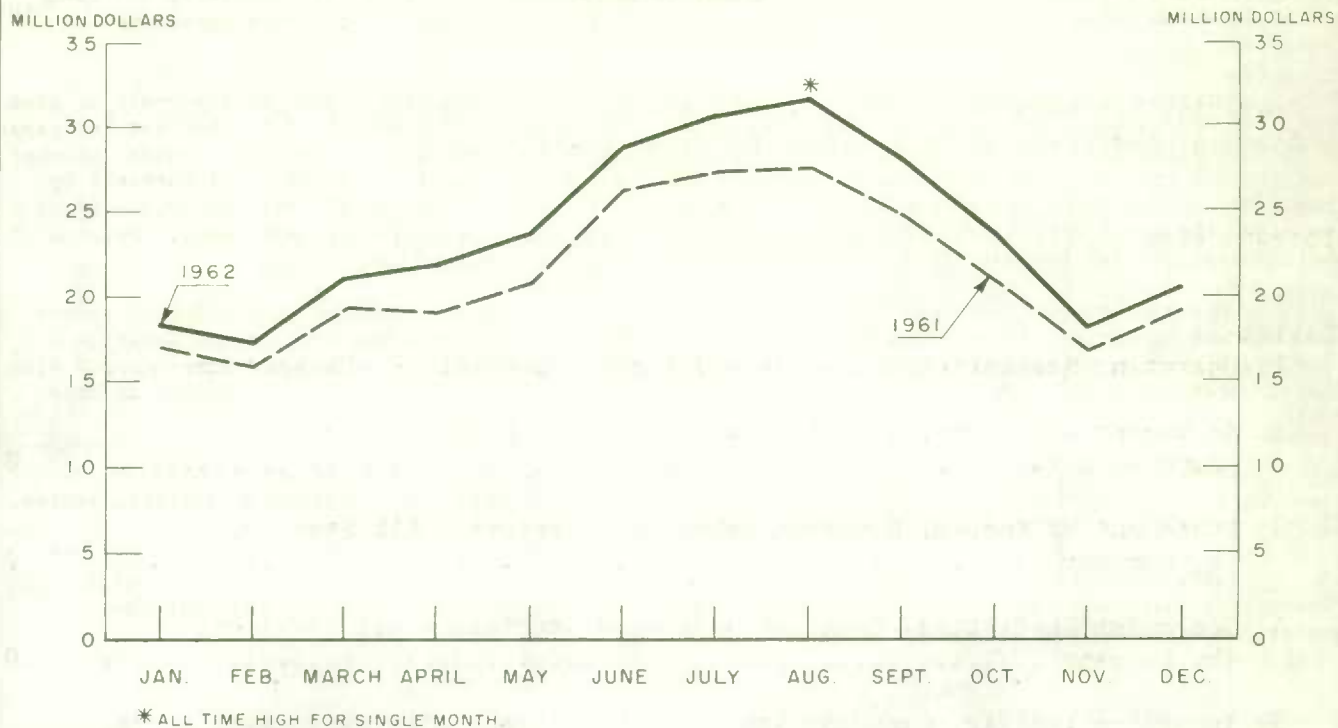
## SYMBOLS

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

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

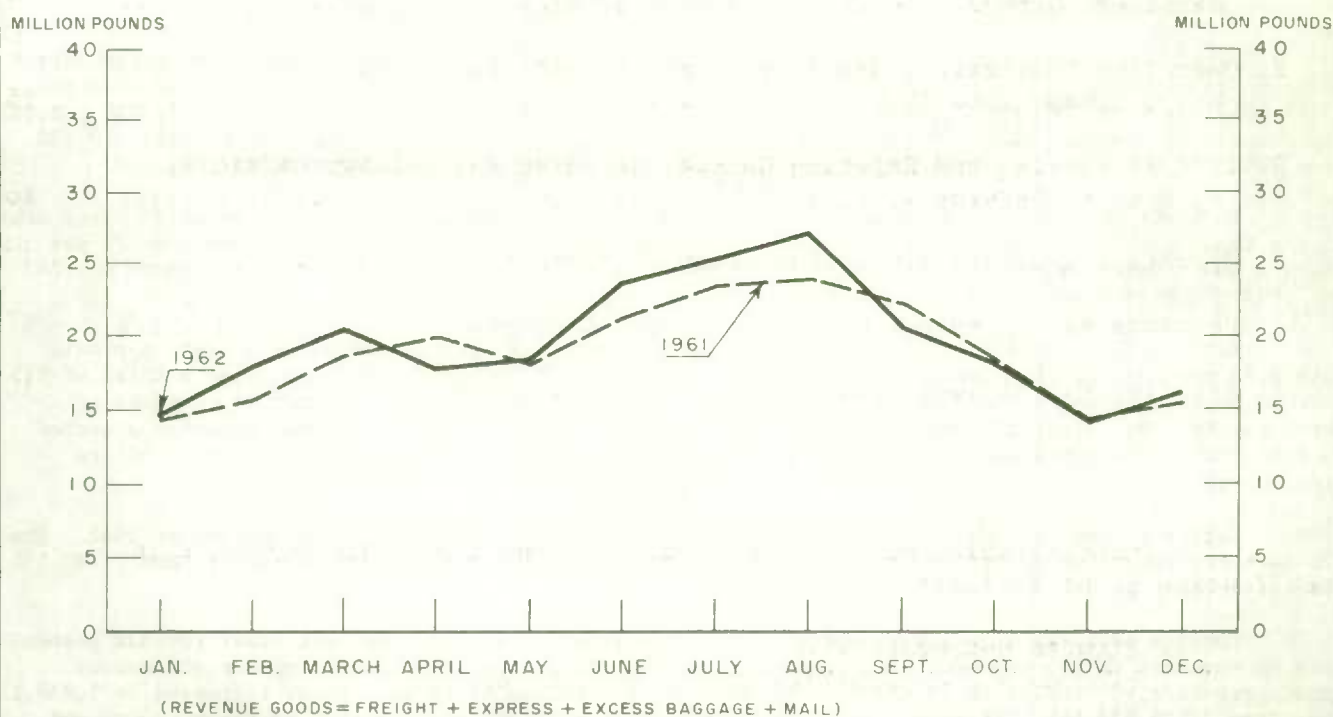
## OPERATING REVENUE OF CANADIAN CARRIERS

1961-1962



## REVENUE GOODS CARRIED BY CANADIAN CARRIERS

1961-1962





## 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 carriers are classified into five groups on the basis of gross annual flying revenues and type of service performed. These groups are described in the last two pages of this publication along with definitions of civil aviation terminology. It should be noted, however, that Nordair Ltd. and Eastern Provincial Airways Ltd., which are classified as Group II carriers by the Air Transport Board, have been included with Group III carriers for statistical purposes. Group V comprises the small carriers which are required to file returns on a quarterly basis only. Data on their operations are excluded from industry totals appearing throughout the report.

Domestic and international operations of Canadian carriers are combined in all tables except number 6 which provides a breakdown of domestic and international operations for the two Canadian carriers operating international unit toll services: Canadian Pacific Air Lines and Trans-Canada Air Lines. Statistics on revenue passengers, cargo and mail transported are now being included in this table.

Whenever feasible the unit toll services are broken down into scheduled and non-scheduled. However, 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.

Table 9 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 now includes the operations of both Canadian and Foreign carriers.

### Review of December operations

In December 1962, Canadian air carriers transported 7.6 per cent fewer revenue passengers, but 3.1 per cent more revenue goods than in December 1961. Passengers carried decreased to 360,381 from 390,018, while goods flown increased to 16,092,554 lbs. from 15,607,793 lbs. Revenue miles flown decreased 2.7 per cent to 6,704,579 from 6,893,003. Both operating revenues and expenses registered increases, as revenues rose 7.1 per cent to \$20,496,312 from \$19,136,738 and expenses, 14.5 per cent to \$22,860,056 from \$19,969,401. As a result the operating loss for the month increased to \$2,363,744 from \$880,342. The deficit, after provision for income taxes and other charges, amounted to \$2,789,785 as against a deficit of \$2,147,553 reported in December of the previous year.

During the year 1962, Canadian air carriers transported 5.5 per cent more revenue passengers and 5.4 per cent more revenue goods than in 1961. The number of revenue passengers carried rose to 5,266,206 from 4,991,563 and the volume of revenue goods increased to 240,543,271 lbs. from 228,196,983 lbs. Operating revenues for the year were substantially higher rising 11.5 per cent to \$284,679,130 from \$255,224,889 while operating expenses rose 7.8 per cent to \$277,407,226 from \$257,369,110.

In December, the six scheduled carriers transported 335,568 revenue passengers or 93.1 per cent of the total number transported by Canadian carriers and 12,388,222 lbs. of revenue goods or 77 per cent of the total. In December of the previous year, 93.2 per cent of the revenue passengers and 76 per cent of the revenue goods were transported by the scheduled carriers.

Table 8 shows data for companies flying helicopters only. These companies operate approximately 75 per cent of all commercial helicopters in Canada. In December 1962 they flew a total of 875 revenue hours, virtually the same as the 888 hours flown in December 1961. Operating revenues of these carriers totalled \$378,660 during the month under review and their operating expenses amounted to \$560,782. This compares with revenues of \$245,553 and expenses of \$558,594 in December of the previous year.

Tables 10 and 11 cover the operations of Group V carriers for the fourth quarter of 1962. The 220 carriers reporting operations for this quarter transported 24,578 revenue passengers and 1,795,131 lbs. of revenue goods.

Foreign carriers licensed to operate in Canada transported 15.4 per cent fewer revenue passengers in contrast to 6.5 per cent more revenue goods than in December 1961. The number of revenue passengers carried dropped to 53,778 from 63,595, but the volume of revenue goods increased to 1,838,159 lbs. from 1,725,634 lbs. 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

December 1962

	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					
Number of carriers reporting ...	6	22	57	79	85	9	9	103	...
Transportation services:									
Unit toll:									
Revenue departures ..... No.	15,826	1,885	628	2,513	18,339	..	..	..	..
Revenue hours flown ..... "	21,089	2,002	411	2,413	23,502	291	718	24,511	327,814
Revenue miles scheduled .... "	5,125,471	...	...	...	5,125,471	77,449	287,368	5,490,288	71,140,021
Revenue miles flown:									
Scheduled services ..... "	5,232,376(4)	...	...	...	5,232,376(4)	72,479	292,821	5,597,676(4)	72,280,481(4)
Non-scheduled services ... "	317,735(4)	258,785	52,358	311,143	628,878(4)	-	-	628,878(4)	9,111,113(4)
Totals ..... "	5,550,111	258,785	52,358	311,143	5,861,254	72,479	292,821	6,226,554	81,391,594
Revenue passengers carried "	331,398	8,173	3,272	11,445	342,843	38,639	15,139	396,621	5,570,475
Revenue goods carried:									
Cargo ..... lb.	6,897,296	439,019	66,784	505,803	7,403,099 )	554,375	901,637	8,951,848	113,404,740
Excess baggage ..... "	59,708(5)	15,079	17,950	33,029	92,737(5)	-	-	-	-
Mail ..... "	4,147,313	218,188	29,053	247,241	4,394,554	182,097	200,050	4,776,701	41,639,976
Totals ..... "	11,104,317	672,286	113,787	786,073	11,890,390	736,472	1,101,687	13,728,549	155,044,716
Revenue passenger-miles .... No.	252,735,639	1,926,885	255,291	2,182,176	254,917,815	1,590,689	11,157,922	267,666,426	3,666,664,618
Revenue goods ton-miles:									
Cargo ..... "	3,622,369	116,984	3,265	120,249	3,742,618 )	13,346	329,254	4,261,487	48,790,085
Excess baggage ..... "	170,044	5,371	854	6,225	176,269 )	-	-	-	-
Mail ..... "	1,789,016	46,481	2,259	48,740	1,837,756	3,588	106,788	1,948,132	15,996,073
Totals ..... "	5,581,429	168,836	6,378	175,214	5,756,643	16,934	436,042	6,209,619	64,786,158
Bulk:									
Revenue - Departure ..... "	858	2,351	4,007	6,358	7,216	..	..	..	..
Hours flown ..... "	1,221	3,189	2,909	6,098	7,319	-	41	7,360	231,968
Miles flown ..... "	202,824	318,158	322,343	640,501	843,325	-	14,004	857,329	23,536,445
Passengers carried "	4,170	6,101	7,267	13,368	17,538	-	1,215	18,753	494,558
Freight carried .. lb.	1,283,905	2,005,179	913,080	2,918,259	4,202,164	-	20,524	4,222,688	105,442,486
Non-transportation services:									
Specialty flying:									
Revenue hours flown ..... No.	2	522	2,419	2,941	2,943	-	-	2,943	81,743

See footnotes at end of table.



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

December 1962

	Canadian carriers					Foreign carriers(2)		Grand total all carriers	Year to date
	Scheduled carriers	Non-scheduled carriers			Total Canadian carriers	United States carriers	Other Foreign carriers(3)		
	Groups I and II(1)	Group III(1)	Group IV	Total					
Total - All services:									
Traffic, hours and miles:(6)									
Revenue:									
Departures .....	No. 16,684	4,236	4,635	8,871	25,555	..	..	..	..
Hours flown .....	" 22,312	5,713	5,739	11,452	33,764	291	759	34,814	641,525
Miles flown .....	" 5,752,935	576,943	374,701	951,644	6,704,579	72,479	306,825	7,083,883	104,928,039
Passengers carried .....	" 335,568	14,274	10,539	24,813	360,381	38,639	16,354	415,374	6,065,033
Cargo carried .....	lb. 8,181,201	2,444,198	979,864	3,424,062	11,605,263	554,375(7)	922,161(7)	13,174,536(7)	218,847,226(7)
Goods carried .....	" 12,388,222	2,677,465	1,026,867	3,704,332	16,092,554	736,472	1,122,211	17,951,237	260,487,202
Non-revenue:									
Hours flown .....	No. 566	403	293	696	1,262	3	-	1,265	23,400
Passengers carried .....	" ..	156	18	174	..	1,284	780	..	..
Goods carried .....	lb. ..	11,865	-	11,865	..	21,883	76,376	..	..
Passenger-miles .....	No. 13,001,678	112,920	1,130	114,050	13,115,728	28,253	586,846	13,730,827	184,378,968
Goods ton-miles .....	" 366,493	4,136	-	4,136	370,629	2,297	27,219	400,145	6,849,998
Fuel consumed:									
Turbo fuel - Quantity .....	gal. 13,188,199	-	-	-	13,188,199	168,106	1,868,558	15,224,863	203,331,808
Cost .....	\$ 1,940,712	-	-	-	1,940,712	29,833	276,965	2,247,510	29,610,008
Gasoline - Quantity .....	gal. 814,371	382,337	118,726	501,063	1,315,434	67,272	247,597	1,630,303	23,217,348
Cost .....	\$ 253,656	142,846	50,003	192,849	446,505	16,955	59,120	522,580	8,146,797
Oil consumed:									
Turbo aircraft - Quantity ..	gal. 3,768	-	-	-	3,768	9	87	3,864	53,759
Cost .....	\$ 32,631	-	-	-	32,631	59	769	33,459	453,164
Other aircraft - Quantity ..	gal. 12,224	5,080	1,630	6,710	18,934	637	1,809	21,380	289,150
Cost .....	\$ 12,186	7,744	2,310	10,054	22,240	501	1,396	24,137	349,421
Average number of employees:									
Flying personnel .....	No. 2,136	352	210	562	2,698	..	..	..	..
Other personnel .....	" 13,287	777	469	1,246	14,533	..	..	..	..
Totals .....	" 15,423	1,129	679	1,808	17,231	232	762	18,225	18,816
Salaries and wages paid:									
Flying personnel .....	\$ 1,569,803	238,605	120,305	358,910	1,928,713	..	..	..	..
Other personnel .....	\$ 6,434,794	362,769	194,004	556,773	6,991,567	..	..	..	..
Totals .....	\$ 8,004,597	601,374	314,309	915,683	8,920,280	123,700	325,010	9,368,990	110,963,783

(1) Group II non-scheduled carriers included with Group III 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) Excludes Group I carriers.

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

(7) Includes excess baggage.

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

December 1962

	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 .....	14,726,017	654,294	15,380,311	225,886	43,974	269,860	15,650,171	211,149,120
Express .....	313,151	44,198	357,349	9,323	1,921	11,244	368,593	14,414,526
Freight .....	1,086,167	180,527	1,266,694	64,154	3,531	67,685	1,334,379	12,410,159
Excess baggage .....	94,835	11,677	106,512	6,535	1,223	7,758	114,270	1,525,892
Mail .....	1,434,899	130,236	1,565,135	90,803	6,314	97,117	1,662,252	4,321,180
Total unit toll transportation ..	17,655,069	1,020,932	18,676,001	396,701	56,963	453,664	19,129,665	243,820,877
Bulk transportation .....	153,825	243,549	397,374	577,620	241,933	819,553	1,216,927	30,240,090
Total transportation .....	17,808,894	1,264,481	19,073,375	974,321	298,896	1,273,217	20,346,592	274,060,967
Other flying services .....	588	-	588	72,487	81,595	154,082	154,670	5,060,379
Total flying services .....	17,809,482	1,264,481	19,073,963	1,046,808	380,491	1,427,299	20,501,262	279,121,346
Non-flying services .....	Dr. 385,857	76,479	Dr. 309,378	212,262	92,166	304,428	Dr. 4,950	5,557,784
Total operating revenues .....	17,423,625	1,340,960	18,764,585	1,259,070	472,657	1,731,727	20,496,312	284,679,130
Operating expenses:								
Flying operations .....	4,476,558	190,013	4,666,571	575,367	268,052	843,419	5,509,990	76,219,348
Maintenance .....	3,709,340	388,303	4,097,643	494,319	237,000	731,319	4,828,962	61,162,166
General services and administration:								
Passenger service .....	1,623,731	38,901	1,662,632	..	..	..	..	..
Aircraft and traffic servicing ....	2,467,332	205,939	2,673,271	..	..	..	..	..
Promotion and sales .....	2,902,544	102,873	3,005,417	..	..	..	..	..
General administration .....	936,495	113,864	1,050,359	..	..	..	..	..
Totals .....	7,930,102	461,577	8,391,679	512,928	193,330	706,258	9,097,937	108,359,079
Depreciation and amortization .....	2,841,926	307,960	3,149,886	171,653	101,628	273,281	3,423,167	31,666,633
Total operating expenses .....	18,957,926	1,347,853	20,305,779	1,754,267	800,010	2,554,277	22,860,056	277,407,226
Operating income (loss) .....	Dr. 1,534,301	Dr. 6,893	Dr. 1,541,194	Dr. 495,197	Dr. 327,353	Dr. 822,550	Dr. 2,363,744	7,271,904
Non-operating income - Net:								
Capital gains and losses .....	Dr. 8,739	Dr. 54,645	Dr. 63,384	70,918	2,842	73,760	10,376	Dr. 101,546
Interest and discounts .....	253,785	128,732	382,517	3,991	Dr. 1,019	2,972	385,489	1,731,459
Miscellaneous non-operating income ..	142,435	56,500	198,935	58,330	2,638	60,968	259,903	Dr. 673,472
Income before interest expense .....	Dr. 1,146,820	123,694	Dr. 1,023,126	Dr. 361,958	Dr. 322,892	Dr. 684,850	Dr. 1,707,976	8,228,345
Interest expense .....	990,181	67,564	1,057,745	33,720	12,602	46,322	1,104,067	12,803,999
Income before income taxes .....	Dr. 2,137,001	56,130	Dr. 2,080,871	Dr. 395,678	Dr. 335,494	Dr. 731,172	Dr. 2,812,043	Dr. 4,575,654
Provision for income taxes .....	-	-	-	Cr. 18,542	Cr. 3,716	Cr. 22,258	Cr. 22,258	40,389
Net income after income taxes .....	Dr. 2,137,001	56,130	Dr. 2,080,871	Dr. 377,136	Dr. 331,778	Dr. 708,914	Dr. 2,789,785	Dr. 4,616,043

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

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

December 1962

	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 .....	3,196,890	89,841	169,431	243,633	151,389	11,529,127	15,380,311	206,825,052
Express .....	14,031	-	8,817	33,960	1,421	299,120	357,349	4,137,790
Freight .....	200,179	87,579	64,858	-	28,090	885,988	1,266,694	11,309,616
Excess baggage .....	25,339	1,504	3,178	5,710	1,285	69,496	106,512	1,412,315
Mail .....	259,798	30,398	47,464	23,548	28,826	1,175,101	1,565,135	13,626,997
Total unit toll transportation ..	3,696,237	209,322	293,748	306,851	211,011	13,958,832	18,676,001	237,311,770
Bulk transportation .....	31,151	11,910	66,241	4,681	160,717	122,674	397,374	9,264,439
Total transportation .....	3,727,388	221,232	359,989	311,532	371,728	14,081,506	19,073,375	246,576,209
Other flying services .....	-	-	-	-	-	588	588	29,693
Total flying services .....	3,727,388	221,232	359,989	311,532	371,728	14,082,094	19,073,963	246,605,902
Non-flying services .....	80,208	36,695	35,654	2,391	1,739	Dr. 466,065	Dr. 309,378	3,031,272
Total operating revenues .....	3,807,596	257,927	395,643	313,923	373,467	13,616,029	18,764,585	249,637,174
Operating expenses:								
Flying operations .....	1,553,402	105,309	70,619	81,141	Cr. 67,056	2,923,156	4,666,571	62,065,923
Maintenance .....	796,626	95,806	94,676	30,066	167,755	2,912,714	4,097,643	51,589,112
General services and administrations:								
Passenger service .....	369,072	6,698	12,590	5,661	13,952	1,254,659	1,662,632	18,308,379
Aircraft and traffic servicing ....	548,921	40,266	113,753	26,165	25,755	1,918,411	2,673,271	35,347,339
Promotion and sales .....	609,603	5,471	20,520	43,966	32,916	2,292,941	3,005,417	37,263,544
General administration .....	208,483	48,299	Cr. 19,806	32,129	53,242	728,012	1,050,359	10,988,773
Totals .....	1,736,079	100,734	127,057	107,921	125,865	6,194,023	8,391,679	101,908,035
Depreciation and amortization .....	239,567	182,930	17,596	33,423	74,011	2,602,359	3,149,886	27,879,499
Total operating expenses .....	4,325,674	484,779	309,948	252,551	300,575	14,632,252	20,305,779	243,442,569
Operating income (loss) .....	Dr. 518,078	Dr. 226,852	85,695	61,372	72,892	Dr. 1,016,223	Dr. 1,541,194	6,194,605
Non-operating income - Net:								
Capital gains and losses .....	Dr. 8,739	Dr. 7,827	1	-	Dr. 46,819	-	Dr. 63,384	Dr. 409,363
Interest and discounts .....	46,462	128,640	-	47	45	207,323	382,517	1,693,748
Miscellaneous non-operating income ..	Dr. 14,207	Dr. 7,401	64,399	Dr. 498	-	156,642	198,935	Dr. 645,887
Income before interest expense .....	Dr. 494,562	Dr. 113,440	150,095	60,921	26,118	Dr. 652,258	Dr. 1,023,126	6,833,103
Interest expense .....	-	5,513	39,487	13,150	9,414	990,181	1,057,745	12,046,341
Income before income taxes .....	Dr. 494,562	Dr. 118,953	110,608	47,771	16,704	Dr. 1,642,439	Dr. 2,080,871	Dr. 5,213,238
Provision for income taxes .....	-	-	-	-	-	-	-	Cr. 5,017
Net income after income taxes .....	Dr. 494,562	Dr. 118,953	110,608	47,771	16,704	Dr. 1,642,439	Dr. 2,080,871	Dr. 5,208,221



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

December 1962

	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)	
Transportation services:									
Unit toll:									
Revenue departures ..... No.	1,689	10,746	12,435	669	952	917	853	3,391	15,826
Revenue hours flown ..... "	3,414	14,176	17,590	653	1,000	822	1,024	3,499	21,089
Revenue miles scheduled ..... "	1,123,402	3,734,231	4,857,633	25,456	137,982	75,900	28,500	267,838	5,125,471
Revenue miles flown:									
Scheduled services - Regular ..... "	1,075,686	3,540,989	4,616,675	24,054	110,897	65,121	28,122	228,194	4,844,869
Extra section ..... "	18,027	330,258	348,285	2,381	20,118	14,901	1,822	39,222	387,507
Non-scheduled services ..... "	46,848	-	46,848	79,287	12,571	71,987	107,042	270,887	317,735
Totals ..... "	1,140,561	3,871,247	5,011,808	105,722	143,586	152,009	136,986	538,303	5,550,111
Ratio of regular miles flown to miles scheduled .....									
	95.8	94.8	...	94.5	80.4	85.8	98.7	...	...
Revenue passengers carried ..... No.	33,921	273,812	307,733	4,553	7,583	7,694	3,835	23,665	331,398
Revenue goods carried:									
Express ..... lb.	63,033	689,621	752,654	-	24,506	137,823	11,028	173,357	926,011
Freight ..... "	441,858	4,255,326	4,697,184	681,206	438,681	-	154,214	1,274,101	5,971,285
Excess baggage ..... "	-	-	-	10,765	13,251	28,854	6,838	59,708	59,708(2)
Mail ..... "	241,616	3,197,630	3,439,246	170,484	203,180	216,210	118,193	708,067	4,147,313
Totals ..... "	746,507	8,142,577	8,889,084	862,455	679,618	382,887	290,273	2,215,233	11,104,317
Revenue passenger-miles:									
Scheduled services ..... No.	56,595,282	188,173,984	244,769,266	330,133	1,955,471	1,425,984	362,640	4,074,228	248,843,494
Non-scheduled services ..... "	937,021	-	937,021	553,366	34,177	1,154,468	1,213,113	2,955,124	3,892,145
Totals ..... "	57,532,303	188,173,984	245,706,287	883,499	1,989,648	2,580,452	1,575,753	7,029,352	252,735,639
Available seat-miles on scheduled services ..... "									
	127,815,986	337,353,835	465,169,821	1,124,970	5,256,898	2,641,592	698,055	9,721,515	474,891,336
Passenger load factor on scheduled services .....									
	44.3	55.8	...	29.3	37.2	54.0	52.0	...	...
Revenue goods ton-miles:									
Express - Scheduled services ..... No.	16,525	289,818	306,343	-	6,419	7,776	721	14,916	321,259
Non-scheduled services ..... "	531	-	531	-	-	6,529	1,788	8,317	8,848
Totals ..... "	17,056	289,818	306,874	-	6,419	14,305	2,509	23,233	330,107
Freight - Scheduled services ..... "	524,206	2,461,277	2,985,483	2,544	119,531	-	1,778	123,853	3,109,336
Non-scheduled services ..... "	2,316	-	2,316	154,910	1,648	-	24,052	180,610	182,926
Totals ..... "	526,522	2,461,277	2,987,799	157,454	121,179	-	25,830	304,463	3,292,262

See footnotes at end of table.



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

December 1962

	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)	
Transportation services - Concluded:									
Unit toll - Concluded:									
Revenue goods ton-miles - Concluded:									
Excess baggage - Scheduled services No.	26,741	133,541	160,282	251	1,870	2,828	246	5,195	165,477
Non-scheduled services .....	107	-	107	1,044	51	2,230	1,135	4,460	4,567
Totals .....	26,848	133,541	160,389	1,295	1,921	5,058	1,381	9,655	170,044
Mail - Scheduled services .....	189,509	1,489,412	1,678,921	5,480	50,988	1,835	2,236	60,539	1,739,460
Non-scheduled services .....	4,226	-	4,226	15,784	183	17,677	11,686	45,330	49,556
Totals .....	193,735	1,489,412	1,683,147	21,264	51,171	19,512	13,922	105,869	1,789,016
Total - Scheduled services .....	756,981	4,374,048	5,131,029	8,275	178,808	12,439	4,981	204,503	5,335,532
Non-scheduled services ....	7,180	-	7,180	171,738	1,882	26,436	38,661	238,717	245,897
Totals .....	764,161	4,374,048	5,138,209	180,013	180,690	38,875	43,642	443,220	5,581,429
Available ton-miles on scheduled services .....	16,568,487	44,301,752	60,870,239	121,387	725,136	260,632	67,648	1,174,803	62,045,042
Weight load factor on scheduled services(3) .....	38.7	52.4	...	34.0	51.6	59.5	61.0	...	...
Bulk:									
Revenue - Departures .....	6	34	40	28	543	3	244	818	858
Hours flown .....	18	92	110	47	510	5	549	1,111	1,221
Miles flown .....	8,408	35,930	44,338	7,233	56,401	1,054	93,798	158,486	202,824
Passengers carried .....	314	1,437	1,751	537	1,226	38	618	2,419	4,170
Freight carried .....	-	-	-	10,203	587,747	-	685,955	1,283,905	1,283,905
Non-transportation services:									
Specialty flying:									
Revenue hours flown .....	-	2	2	-	-	-	-	-	2
Total - All services:									
Traffic, hours and miles:(4)									
Revenue:									
Departures .....	1,695	10,780	12,475	697	1,495	920	1,097	4,209	16,684
Hours flown .....	3,432	14,270	17,702	700	1,510	827	1,573	4,610	22,312
Miles flown .....	1,148,969	3,907,177	5,056,146	112,955	199,987	153,063	230,784	696,789	5,752,935
Passengers carried .....	34,235	275,249	309,484	5,090	8,809	7,732	4,453	26,084	335,568
Cargo carried .....	504,891	4,944,947	5,449,838	691,409	1,050,934	137,823	851,197	2,731,363	8,181,201
Goods carried .....	746,507	8,142,577	8,889,084	872,658	1,267,365	382,887	976,228	3,499,138	12,388,222

See footnotes at end of table.

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

December 1962

	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)	
Total - All services - Concluded:									
Traffic, hours and miles(4) - Concluded:									
Non-revenue:									
Hours flown .....	No. 131	240	371	25	95	27	48	195	566
Passengers carried .....	" 1,008	..	..	250	152	152	96	650	..
Goods carried .....	lb. 96,392	..	..	25,340	34,380	-	14,677	74,397	..
Passenger-miles .....	No. 2,034,112	10,776,276	12,810,388	43,555	51,093	50,309	46,333	191,290	13,001,678
Goods ton-miles .....	" 130,493	218,374	348,867	5,115	8,473	-	4,038	17,626	366,493
Fuel consumed:									
Turbo fuel - Quantity .....	gal. 2,972,002	10,082,939	13,054,941	38,845	-	94,413	-	133,258	13,188,199
Cost .....	\$ 519,736	1,389,115	1,908,851	7,419	-	24,442	-	31,861	1,940,712
Gasoline - Quantity .....	gal. 323,265	22,480	345,745	83,237	166,739	25,700	192,950	468,626	814,371
Cost .....	\$ 97,079	7,183	104,262	26,460	42,774	8,423	71,737	149,394	253,656
Oil consumed:									
Turbo aircraft - Quantity ..	gal. 609	2,710	3,319	-	-	449	-	449	3,768
Cost .....	\$ 6,077	25,773	31,850	-	-	781	-	781	32,631
Other aircraft - Quantity ..	gal. 3,872	309	4,181	811	1,807	957	4,468	8,043	12,224
Cost .....	\$ 3,542	298	3,840	880	2,259	739	4,468	8,346	12,186
Average number of employees:									
Flying personnel .....	No. 445	1,493	1,938	28	68	38	64	198	2,136
Other personnel .....	" 2,119	10,226	12,345	132	327	237	246	942	13,287
Totals .....	" 2,564	11,719	14,283	160	395	275	310	1,140	15,423
Salaries and wages paid:									
Flying personnel .....	\$ 345,591	1,075,311	1,420,902	20,814	63,560	24,536	39,991	148,901	1,569,803
Other personnel .....	\$ 931,247	5,109,942	6,041,189	57,186	155,540	89,544	91,335	393,605	6,434,794
Totals .....	\$ 1,276,838	6,185,253	7,462,091	78,000	219,100	114,080	131,326	542,506	8,004,597

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

(2) Excludes Group I carriers.

(3) Standard passenger weight used: 200 pounds.

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

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

December 1962

	Canadian Pacific Air Lines	Maritime Central Airways	Pacific Western Airlines	Quebecair Inc.	Transair Ltd.	Trans- Canada Air Lines	Total
Revenue passengers carried:							
Originated .....	No. 29,103	4,128	7,117	7,694	3,483	235,667	287,192
Domestic interline .....	" 2,002	425	-	-	-	38,145	42,945
Foreign interline .....	" 2,373	-	-	-	-	-	-
Totals(2) .....	" 33,478	4,553	7,117	7,694	3,483	273,812	330,137
Revenue express carried:							
Originated .....	lb. 63,033	-	24,506	137,823	11,028	689,621	926,011
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 63,033	-	24,506	137,823	11,028	689,621	926,011
Revenue freight carried:							
Originated .....	lb. 368,907	488,601	410,765	-	55,159	4,255,326	5,578,758
Domestic interline .....	" 12,870	-	-	-	-	-	12,870
Foreign interline .....	" 22,621	-	-	-	-	-	22,621
Totals(2) .....	" 404,398	488,601	410,765	-	55,159	4,255,326	5,614,249
Revenue excess baggage carried:							
Originated .....	lb. ..	10,765	12,850	28,854	5,665	..	58,134(3)
Domestic interline .....	" ..	-	-	-	-	..	-
Foreign interline .....	" ..	-	-	-	-	..	-
Totals(2) .....	" ..	10,765	12,850	28,854	5,665	..	58,134(3)
Revenue mail carried:							
Originated .....	lb. 241,616	170,484	200,220	216,210	24,271	3,197,630	4,050,431
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 241,616	170,484	200,220	216,210	24,271	3,197,630	4,050,431

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

(2) Excludes division interline.

(3) Excludes Group I carriers.

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

December 1962

	Trans- Border Services	Trans- Atlantic and Polar Services	Southern Services	Pacific and Orient Services	Total International Services	Domestic Services	Grand total
Revenue departures ..... No.	1,682	398	381	99	2,560	9,875	12,435
Revenue hours flown ..... "	2,473	1,520	1,104	662	5,759	11,831	17,590
Revenue miles scheduled ..... "	565,017	667,401	415,758	274,906	1,923,082	2,934,551	4,857,633
Revenue miles flown:							
Scheduled services - Regular ..... "	520,522	644,588	413,520	262,711	1,841,341	2,775,334	4,616,675
Extra sections ..... "	35,370	34,182	33,855	8,301	111,708	236,577	348,285
Non-scheduled services ..... "	-	-	-	-	-	46,848	46,848
Totals ..... "	555,892	678,770	447,375	271,012	1,953,049	3,058,759	5,011,808
Ratio of regular miles flown to miles scheduled	92.1	96.6	99.5	95.6	95.7	94.6	95.0
Revenue passengers carried ..... No.	...	...	...	...	99,224	208,509	307,733
Revenue cargo carried ..... lb.	...	...	...	...	2,244,089	3,205,749	5,449,838
Revenue mail carried ..... "	...	...	...	...	527,338	2,911,908	3,439,246
Revenue passenger-miles ..... No.	24,509,002	40,461,644	24,523,574	13,270,383	102,764,603	142,941,684	245,706,287
Available seat-miles on scheduled services .... "	40,331,508	88,779,207	55,784,727	33,053,340	217,948,782	247,221,039	465,169,821
Passenger load factor on scheduled services ...	60.8	45.6	44.0	40.1	47.2	57.4	52.6
Revenue goods ton-miles:							
Express ..... No.	47,867	-	-	-	47,867	259,007	306,874
Freight ..... "	221,029	714,962	164,214	196,105	1,296,310	1,691,489	2,987,799
Excess baggage ..... "	16,797	17,376	21,201	5,929	61,303	99,086	160,389
Mail ..... "	45,901	368,190	51,809	72,453	538,353	1,144,794	1,683,147
Totals ..... "	331,594	1,100,528	237,224	274,487	1,943,833	3,194,376	5,138,209
Available ton-miles on scheduled services .... "	4,814,192	12,023,955	7,480,750	4,233,890	28,552,787	32,317,452	60,870,239
Weight load factor on scheduled services(1) ...	57.8	42.8	36.0	37.8	42.8	53.8	48.6

(1) Standard passenger weight used: 200 pounds.



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

December 1962

	Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$
Flying training .....	1,520	24,959	33,635	570,105
Recreational flying .....	435	7,395	10,731	226,939
Aerial photography and survey .....	68	18,188	5,821	952,419
Aerial photography (excluding survey) .....	18	427	992	50,468
Aerial pest control .....	8	750	4,265	589,766
Aerial advertising .....	-	-	116	12,045
Aerial patrol and inspection .....	601	43,214	13,994	1,212,633
Philanthropic .....	-	-	-	-
Aerial fish cultivation .....	-	-	48	4,791
Geophysical survey .....	268	45,082	9,552	995,107
Non-transportation charter .....	10	3,354	834	149,860
Other specialty flying .....	15	4,643	1,755	289,664
Total specialty flying .....	2,943	148,012	81,743	5,053,797

TABLE 8. Statistical Summary of Canadian Carriers Operating  
Helicopters only, Groups I to IV

December 1962

	Month	Year to date
Revenue hours flown .....	No. 875	49,087
Average number of aircraft .....	" 102	117
Average number of employees:		
Flying personnel .....	" 127	197
Other personnel .....	" 95	127
Totals .....	" 222	324
Salaries and wages paid:		
Flying personnel .....	\$ 92,061	1,536,296
Other personnel .....	\$ 57,571	872,880
Totals .....	\$ 149,632	2,409,176
Operating revenues:		
Bulk transportation .....	\$ 153,045	5,540,499
Other flying services .....	\$ 17,296	616,445
Non-flying services .....	\$ 208,319	556,101
Totals .....	\$ 378,660	6,713,045
Operating expenses:		
Flying operations .....	\$ 195,965	2,508,257
Maintenance .....	\$ 215,671	2,021,359
General services and administration ..	\$ 61,972	674,227
Depreciation and amortization .....	\$ 87,174	1,139,695
Totals .....	\$ 560,782	6,343,538
Operating income (loss) .....	\$ Dr. 182,122	369,507
Net income (deficit) after income taxes ..	\$ Dr. 118,367	283,401

TABLE 9. Traffic Leaving and Entering Canada, Canadian and Foreign Carriers, by Area of Service(1)

December 1962

	United States			Europe		
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation ..... No.	62,301	53,526	115,827	12,836	8,919	21,755
Bulk transportation ..... "	285	58	343	2,259	-	2,259
Totals ..... "	62,586	53,584	116,170	15,095	8,919	24,014
Revenue freight, express and excess baggage carried:						
Unit toll transportation ..... lb.	338,473	1,750,871	2,089,344	460,462	828,860	1,289,322
Bulk transportation ..... "	-	-	-	20,524	-	20,524
Totals ..... "	338,473	1,750,871	2,089,344	480,986	828,860	1,309,846
Mail carried (unit toll transportation) "	153,767	288,871	442,638	214,695	194,563	409,258
	All others			Totals		
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation ..... No.	8,156	4,402	12,558	83,293	66,847	150,140
Bulk transportation ..... "	-	-	-	2,544	58	2,602
Totals ..... "	8,156	4,402	12,558	85,837	66,905	152,742
Revenue freight, express and excess baggage carried:						
Unit toll transportation ..... lb.	106,711	78,141	184,852	905,646	2,657,872	3,563,518
Bulk transportation ..... "	-	-	-	20,524	-	20,524
Totals ..... "	106,711	78,141	184,852	926,170	2,657,872	3,584,042
Mail carried (unit toll transportation)	18,809	16,343	35,152	387,271	499,777	887,048

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

TABLE 10. Operating Statistics, Canadian Group V Carriers

Fourth Quarter 1962

	Quarter	Year to date
Number of reporting carriers .....	220	..
Bulk transportation:		
Revenue hours flown ..... No.	11,816	72,539
Revenue passengers carried ..... "	24,578	151,142
Revenue goods carried ..... lb.	1,795,131	10,115,286
Specialty flying services:		
Revenue hours flown:		
Flying training ..... No.	10,716	61,534
Recreational flying ..... "	2,464	13,866
Aerial photography and survey ..... "	100	613
Aerial photography (excluding survey) "	62	536
Aerial pest control ..... "	9	5,695
Aerial advertising ..... "	166	190
Aerial patrol and inspection ..... "	775	4,290
Philanthropic ..... "	-	-
Aerial fish cultivation ..... "	-	-
Geophysical survey ..... "	-	351
Non-transportation charter ..... "	7	36
Other specialty flying ..... "	2,802	13,604
Total specialty flying services ... "	17,101	100,715
Total - All services:		
Revenue hours flown ..... "	28,917	173,254
Non-revenue hours flown ..... "	2,241	11,588

TABLE 11. Statement of Income, Canadian Group V Carriers

Fourth Quarter 1962

	Quarter	Year to date
	dollars	
Operating revenues:		
Bulk transportation .....	607,966	3,809,728
Other flying services .....	417,883	2,561,055
Total flying services .....	1,025,849	6,370,783
Non-flying services .....	317,200	1,741,680
Total operating revenues .....	1,343,049	8,112,463
Operating expenses:		
Flying operations .....	847,848	3,739,394
Maintenance .....	321,267	1,356,825
General services and administration .....	431,737	2,021,059
Depreciation .....	312,942	1,161,117
Total operating expenses .....	1,913,794	8,278,395
Operating income (loss) .....	Dr. 570,745	Dr. 165,932
Non-operating income - Net .....	Dr. 27,219	Dr. 211,202
Income before income taxes .....	Dr. 597,964	Dr. 377,134
Provision for income taxes .....	28	81,046
Net income after income taxes .....	Dr. 597,992	Dr. 458,180

CIVIL AVIATION DEFINITIONS

Unit Toll Transportation:	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 1); 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>
Bulk Transportation:	<ul style="list-style-type: none"><li>(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</li><li>(2) Transportation of passengers and goods in accordance with one or more specific contracts (Class 5).</li></ul>
Specialty Flying Services:	Non-transportation flying services, such as flying training, aerial photography, aerial pest control and aerial advertising (Class 7).
Scheduled Carriers:	Carriers operating a scheduled (Class 1) service.
Non-Scheduled Carriers:	Carriers not operating any scheduled (Class 1) service.
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 (Class 1) 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 Group 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.
Passenger:	A person occupying a separate seat on a one-way trip. For statistical purposes an infant-in-arms is not considered a passenger and a round trip passenger is counted as two passengers.
Revenue Passenger:	A child or adult for which a fare or part of a fare is paid.
Non-Revenue Passenger:	A child or adult carried on a revenue transportation flight for whom no fare is collected, including company personnel.
Air Cargo:	Air freight and air express.
Goods:	Air cargo plus excess baggage and air mail.
Tons:	Short tons of 2,000 lbs.
Miles:	Statute miles of 5,280 ft.
Passenger-Mile:	The transportation of one passenger over the distance of one mile.
Available Seat-Miles:	Seats available for the transportation of passengers multiplied by the miles flown on each inter-station trip.



Passenger Load Factor:	Ratio of revenue passenger-miles performed to available seat-miles.
Ton-Mile:	The transportation of one ton of load over the distance of one mile.
Available Load:	Load capacity available for the transportation of goods and passengers after deduction of the operating load of gas and oil, crew, stewards' supplies, etc.
Available Ton-Miles:	Available load capacity multiplied by miles flown on each inter-station trip.
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.
Five Freedoms of the Air:	
First Freedom:	The right to fly over the territory of a foreign country without landing.
Second Freedom:	The right to land on the territory of a foreign country for non-traffic purposes.
Third Freedom:	The right 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 right 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 right to take on in a foreign country, passengers, mail and cargo destined for the territory of any other foreign state and the right to put down in a foreign country, passengers, mail and cargo coming from any such territory.

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