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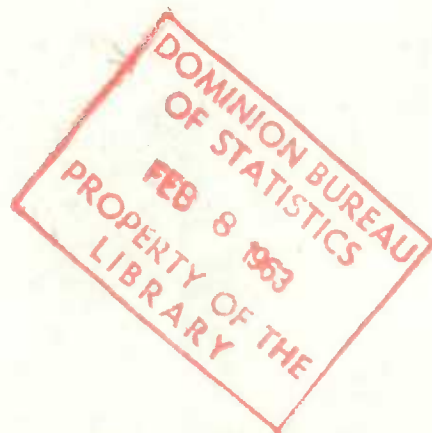
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# CIVIL AVIATION

## SEPTEMBER 1962



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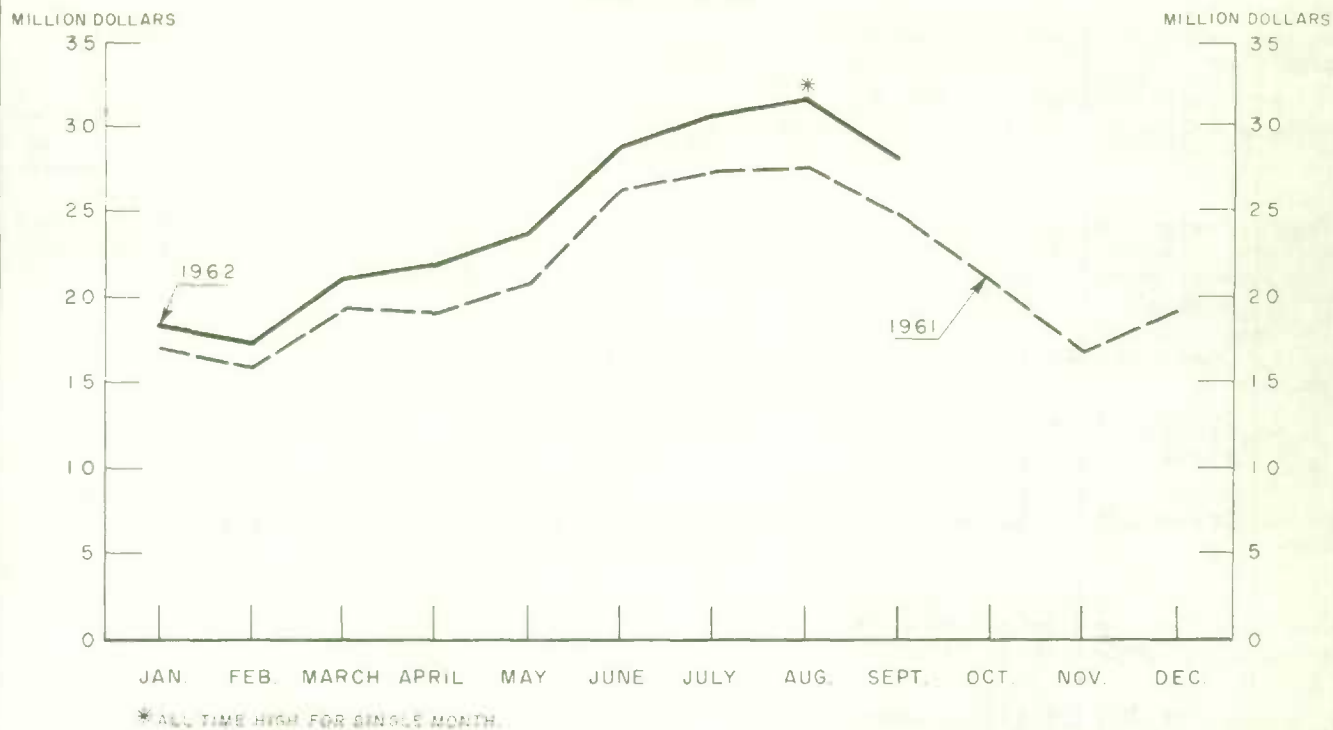
## SYMBOLS

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.

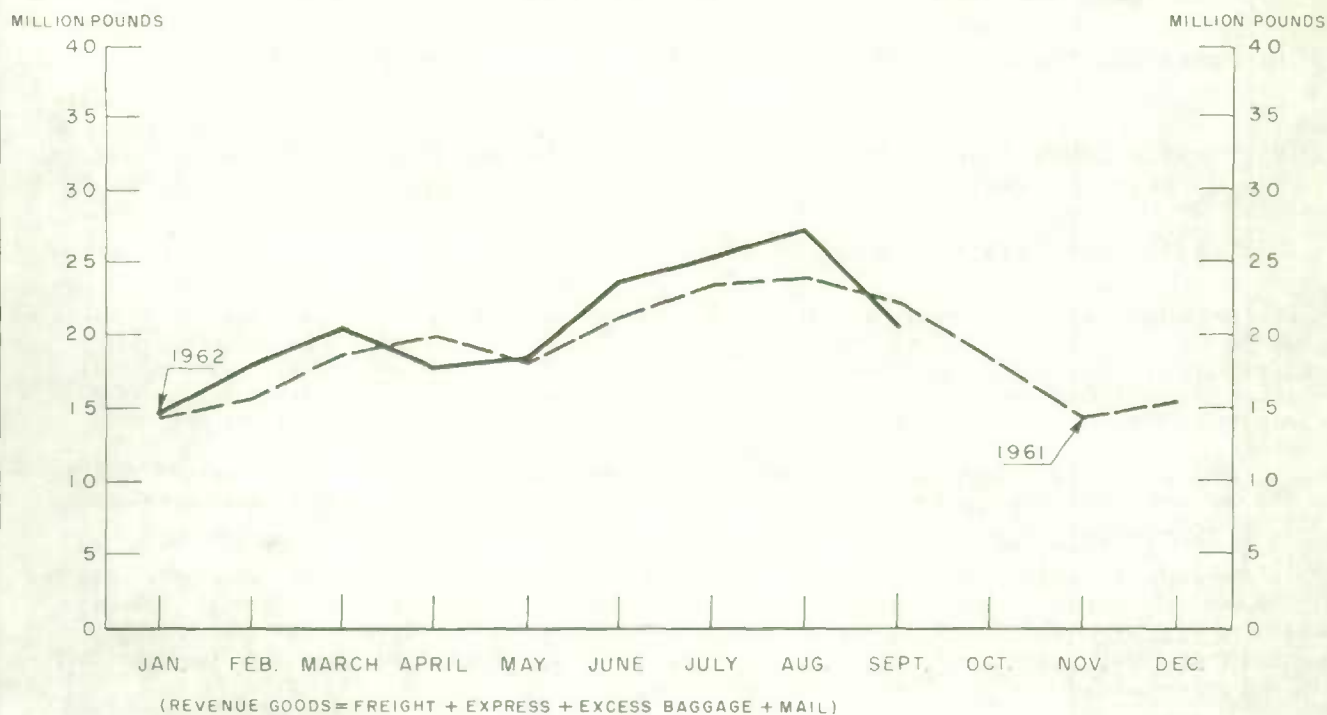
# OPERATING REVENUE OF CANADIAN CARRIERS

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 three Canadian carriers operating international unit toll services: Canadian Pacific Air Lines, Transair Ltd. 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 September operations

During the month of September, 1962, Canadian air carriers transported more revenue passengers but less revenue goods than in September of the previous year. Passengers carried were up 4 per cent to 493,355 from 474,316 while the volume of goods flown dropped 6.9 per cent to 20,507,080 lbs. from 22,018,418 lbs. Revenue miles flown rose 3.3 per cent to 9,286,640 from 8,989,255. Operating revenues rose 12.4 per cent to \$27,930,389 from \$24,851,965, but operating expenses increased only 2.6 per cent to \$23,813,281 from \$23,205,931. As a result the operating income for the month more than doubled, rising to \$4,117,108 from \$1,646,034 in September, 1961. The net income, after provision for income taxes and other charges, increased sharply to \$3,190,740 from \$663,736 in September of the previous year.

For the first nine months of 1962, the volume of revenue traffic handled rose substantially over the corresponding period of 1961. The number of passengers transported rose 10.1 per cent to 4,114,575 from 3,738,779 and the volume of goods flown increased 8.9 per cent to 191,615,070 lbs. from 175,974,691 lbs. During the same period both operating revenues and expenses were higher. Revenues rose 12 per cent to \$221,993,207 from \$198,152,198 and expenses advanced 7 per cent to \$209,637,278 from \$195,976,815.

In September, the six scheduled carriers transported 433,797 revenue passengers or 87.9 per cent of the total number carried and 11,059,741 lbs. of revenue goods or 53.9 per cent of the total. In September 1961, 88.5 per cent of the revenue passengers and 51 per cent of the revenue goods were transported by scheduled carriers. These same carriers also accounted for 87.4 of the total operating revenues reported by Canadian carriers and 87.2 per cent of all operating expenses. Corresponding figures for the previous September are 85 per cent and 86.3 per cent respectively.

Tables 10 and 11 cover the operations of the Group V carriers for the third quarter of 1962. The 208 carriers reporting operations for this quarter transported 53,522 revenue passengers and 3,511,083 lbs. of revenue goods.

Foreign carriers licensed to operate in Canada transported 69,707 revenue passengers compared with 79,967 in September, 1961, a decrease of 12.8 per cent. In contrast, the volume of revenue goods carried rose 17.8 per cent during the month to 1,891,760 lbs. from 1,606,552 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

September 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	21	57	78	84	9	9	102	...
Transportation services:									
Unit toll:									
Revenue departures ..... No.	17,872	2,491	672	3,163	21,035	..	..	..	..
Revenue hours flown ..... "	23,465	2,717	548	3,265	26,730	331	1,090	28,151	253,948
Revenue miles scheduled .... "	5,782,962	...	...	...	5,782,962	81,140	428,478	6,292,580	54,473,314
Revenue miles flown:									
Scheduled services ..... "	5,896,594(4)	...	...	...	5,896,594(4)	78,766	426,052	6,401,412(4)	55,434,777(4)
Non-scheduled services ... "	332,479(4)	348,415	70,065	418,480	750,959(4)	-	-	750,959(4)	7,285,451(4)
Totals ..... "	6,229,073	348,415	70,065	418,480	6,647,553	78,766	426,052	7,152,371	62,720,228
Revenue passengers carried "	423,116	13,233	2,731	15,964	439,080	46,412	22,351	507,843	4,322,542
Revenue goods carried:									
Cargo ..... lb.	6,641,301	614,652	157,160	771,812	7,413,113	587,458	1,058,935	9,203,539	85,548,266
Excess baggage ..... "	97,162(5)	31,347	15,524	46,871	144,033(5)				
Mail ..... "	2,721,691	77,903	13,950	91,853	2,813,544	113,716	131,651	3,058,911	30,081,762
Totals ..... "	9,460,154	723,902	186,634	910,536	10,370,690	701,174	1,190,586	12,262,450	115,630,028
Revenue passenger-miles .... No.	329,835,870	3,286,754	235,725	3,522,479	333,358,349	1,971,852	18,090,704	353,420,905	2,870,365,964
Revenue goods ton-miles:									
Cargo ..... "	3,374,737	148,174	6,653	154,827	3,529,564	14,109	389,855	4,165,877	37,566,846
Excess baggage ..... "	218,422	13,124	803	13,927	232,349				
Mail ..... "	1,129,597	23,672	805	24,477	1,154,074	2,144	53,226	1,209,444	11,302,491
Totals ..... "	4,722,756	184,970	8,261	193,231	4,915,987	16,253	443,081	5,375,321	48,869,337
Bulk:									
Revenue - Departure ..... "	2,590	10,454	12,344	22,798	25,388	..	..	..	..
Hours flown ..... "	3,305	12,649	9,641	22,290	25,595	1	35	25,631	199,515
Miles flown ..... "	568,000	1,094,091	976,996	2,071,087	2,639,087	194	10,380	2,649,661	20,060,274
Passengers carried "	10,681	20,941	22,653	43,594	54,275	10	934	55,219	417,168
Freight carried .. lb.	1,599,587	5,738,895	2,797,908	8,536,803	10,136,390	-	-	10,136,390	90,230,963
Non-transportation services:									
Specialty flying:									
Revenue hours flown ..... No.	10	1,876	5,102	6,978	6,988	-	-	6,988	67,754

See footnotes at end of table.

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

September 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 - All services:									
Traffic, hours and miles:(6)									
Revenue:									
Departures .....	No.	20,462	12,945	13,016	25,961	46,423	..	..	..
Hours flown .....	"	26,780	17,242	15,291	32,533	59,313	332	1,125	60,770
Miles flown .....	"	6,797,073	1,442,506	1,047,061	2,489,567	9,286,640	78,960	436,432	9,802,032
Passengers carried .....	"	433,797	34,174	25,384	59,558	493,355	46,422	23,285	563,062
Cargo carried .....	lb.	8,240,888	6,353,547	2,955,068	9,308,615	17,549,503	587,458(7)	1,058,935(7)	19,339,929(7)
Goods carried .....	"	11,059,741	6,462,797	2,984,542	9,447,339	20,507,080	701,174	1,190,586	22,398,840
Non-revenue:									
Hours flown .....	No.	446	705	516	1,221	1,667	-	2	1,669
Passengers carried .....	"	..	468	32	500	..	776	1,128	..
Goods carried .....	lb.	..	33,555	-	33,555	..	9,292	68,300	..
Passenger-miles .....	No.	16,615,987	229,790	3,688	233,478	16,849,465	35,572	913,406	17,798,443
Goods ton-miles .....	"	434,472	15,186	-	15,186	449,658	1,384	25,069	476,111
Fuel consumed:									
Turbo fuel - Quantity .....	gal.	15,522,274	568	-	568	15,522,842	862,876	2,815,620	19,201,338
Cost .....	\$	2,234,050	379	-	379	2,234,429	115,039	430,774	2,780,242
Gasoline - Quantity .....	gal.	842,602	741,847	261,635	1,003,482	1,846,084	35,083	223,881	2,105,048
Cost .....	\$	283,231	282,169	109,683	391,852	675,083	10,247	50,738	736,068
Oil consumed:									
Turbo aircraft - Quantity ..	gal.	4,074	-	-	-	4,074	21	126	4,221
Cost .....	\$	37,852	-	-	-	37,852	122	1,012	38,986
Other aircraft - Quantity ..	gal.	11,910	8,552	3,866	12,418	24,328	267	2,679	27,274
Cost .....	\$	12,014	13,152	5,520	18,672	30,686	216	2,028	32,930
Average number of employees:									
Flying personnel .....	No.	2,204	511	281	792	2,996	..	..	..
Other personnel .....	"	13,589	867	515	1,382	14,971	..	..	..
Totals .....	"	15,793	1,378	796	2,174	17,967	229	782	18,978
Salaries and wages paid:									
Flying personnel .....	\$	1,658,624	382,312	150,117	532,429	2,191,053	..	..	..
Other personnel .....	\$	6,274,442	393,079	205,620	598,699	6,873,141	..	..	..
Totals .....	\$	7,933,066	775,391	355,737	1,131,128	9,064,194	108,264	356,443	9,528,901
									83,121,306

(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

September 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 .....	19,660,571	820,263	20,480,834	390,560	43,366	433,926	20,914,760	163,783,333
Express .....	356,342	48,966	405,308	12,355	6,854	19,209	424,517	3,182,081
Freight .....	740,756	137,863	878,619	83,127	5,313	88,440	967,059	8,961,360
Excess baggage .....	100,460	21,754	122,214	15,361	1,197	16,558	138,772	1,177,146
Mail .....	1,007,263	80,207	1,087,470	30,277	3,482	33,759	1,121,229	10,426,840
Total unit toll transportation ..	21,865,392	1,109,053	22,974,445	531,680	60,212	591,892	23,566,337	187,530,760
Bulk transportation .....	572,183	470,141	1,042,324	1,647,105	721,005	2,368,110	3,410,434	25,452,505
Total transportation .....	22,437,575	1,579,194	24,016,769	2,178,785	781,217	2,960,002	26,976,771	212,983,265
Other flying services .....	2,358	-	2,358	270,522	133,363	403,885	406,243	4,292,851
Total flying services .....	22,439,933	1,579,194	24,019,127	2,449,307	914,580	3,363,887	27,383,014	217,276,116
Non-flying services .....	346,841	35,482	382,323	35,849	129,203	165,052	547,375	4,717,091
Total operating revenues .....	22,786,774	1,614,676	24,401,450	2,485,156	1,043,783	3,528,939	27,930,389	221,993,207
Operating expenses:								
Flying operations .....	4,963,733	519,873	5,483,606	878,830	393,354	1,272,184	6,755,790	59,246,949
Maintenance .....	3,733,981	376,433	4,110,414	673,937	257,982	931,919	5,042,333	46,463,822
General services and administration:								
Passenger service .....	1,543,846	42,901	1,586,747	..	..	..	..	..
Aircraft and traffic servicing ....	2,851,610	201,966	3,053,576	..	..	..	..	..
Promotion and sales .....	3,228,691	98,427	3,327,118	..	..	..	..	..
General administration .....	829,958	91,244	921,202	..	..	..	..	..
Totals .....	8,454,105	434,538	8,888,643	371,580	163,554	535,134	9,423,777	81,218,881
Depreciation and amortization .....	2,089,526	199,516	2,289,042	184,697	117,642	302,339	2,591,381	22,707,626
Total operating expenses .....	19,241,345	1,530,360	20,771,705	2,109,044	932,532	3,041,576	23,813,281	209,637,278
Operating income (loss) .....	3,545,429	84,316	3,629,745	376,112	111,251	487,363	4,117,108	12,355,929
Non-operating income - Net:								
Capital gains and losses .....	-	19,966	19,966	Dr. 150	11,487	11,337	31,303	Dr. 142,580
Interest and discounts .....	162,283	143	162,426	6,423	Dr. 383	6,040	168,466	1,019,372
Miscellaneous non-operating income ..	13,858	Dr. 186	13,672	Dr. 33,467	519	Dr. 32,948	Dr. 19,276	Dr. 828,303
Income before interest expense .....	3,721,570	104,239	3,825,809	348,918	122,874	471,792	4,297,601	12,404,418
Interest expense .....	978,461	42,648	1,021,109	37,884	22,759	60,643	1,081,752	9,532,269
Income before income taxes .....	2,743,109	61,591	2,804,700	311,034	100,115	411,149	3,215,849	2,872,149
Provision for income taxes .....	-	-	-	18,496	6,613	25,109	25,109	82,073
Net income after income taxes .....	2,743,109	61,591	2,804,700	292,538	93,502	386,040	3,190,740	2,790,076

(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

September 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 .....	3,887,121	101,037	258,520	278,004	182,702	15,773,450	20,480,834	160,317,699
Express .....	17,010	-	11,381	35,198	2,387	339,332	405,308	3,034,172
Freight .....	183,143	67,674	42,802	-	27,387	557,613	878,619	8,071,507
Excess baggage .....	36,453	1,155	9,827	8,376	2,396	64,007	122,214	1,089,733
Mail .....	170,041	19,283	40,593	2,319	18,012	837,222	1,087,470	9,807,086
Total unit toll transportation ..	4,293,768	189,149	363,123	323,897	232,884	17,571,624	22,974,445	182,320,197
Bulk transportation .....	402,511	14,016	159,142	2,356	294,627	169,672	1,042,324	7,728,688
Total transportation .....	4,696,279	203,165	522,265	326,253	527,511	17,741,296	24,016,769	190,048,885
Other flying services .....	-	-	-	-	-	2,358	24,188	24,188
Total flying services .....	4,696,279	203,165	522,265	326,253	527,511	17,743,654	24,019,127	190,073,073
Non-flying services .....	90,589	4,172	26,885	1,726	2,699	256,252	382,323	2,706,284
Total operating revenues .....	4,786,868	207,337	549,150	327,979	530,210	17,999,906	24,401,450	192,779,357
Operating expenses:								
Flying operations .....	1,549,055	74,325	184,509	96,235	164,804	3,414,678	5,483,606	47,778,716
Maintenance .....	752,346	45,820	106,692	76,095	147,826	2,981,635	4,110,414	38,985,980
General services and administrations:								
Passenger service .....	393,331	5,644	15,215	5,402	16,640	1,150,515	1,586,747	13,758,731
Aircraft and traffic servicing ....	500,398	35,458	117,622	27,402	21,484	2,351,212	3,053,576	26,680,176
Promotion and sales .....	790,418	5,061	18,426	50,036	24,904	2,438,273	3,327,118	28,126,833
General administration .....	166,368	15,799	34,895	20,161	20,389	663,590	921,202	7,899,541
Totals .....	1,850,515	61,962	186,158	103,001	83,417	6,603,590	8,888,643	76,465,281
Depreciation and amortization .....	225,802	89,111	43,016	31,785	35,604	1,863,724	2,289,042	19,872,253
Total operating expenses .....	4,377,718	271,218	520,375	307,116	431,651	14,863,627	20,771,705	183,102,230
Operating income (loss) .....	409,150	Dr. 63,881	28,775	20,863	98,559	3,136,279	3,629,745	9,677,127
Non-operating income - Net:								
Capital gains and losses .....	-	22,899	Dr. 2,720	-	Dr. 213	-	19,966	Dr. 355,780
Interest and discounts .....	51,313	-	-	88	55	110,970	162,426	987,091
Miscellaneous non-operating income ..	8,174	48	Dr. 141	Dr. 93	-	5,684	13,672	Dr. 733,429
Income before interest expense .....	468,637	Dr. 40,934	25,914	20,858	98,401	3,252,933	3,825,809	9,575,009
Interest expense .....	-	6,684	11,966	13,914	10,084	978,461	1,021,109	8,933,306
Income before income taxes .....	468,637	Dr. 47,618	13,948	6,944	88,317	2,274,472	2,804,700	641,703
Provision for income taxes .....	-	-	-	-	-	-	-	145
Net income after income taxes .....	468,637	Dr. 47,618	13,948	6,944	88,317	2,274,472	2,804,700	641,558

TABLE 4. Operating Statistics, Canadian Scheduled Carriers - All Services, by Company  
September 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.	1,804	12,238	14,042	691	1,108	1,164	867	3,830	17,872
Revenue hours flown ..... "	3,339	16,318	19,657	677	1,157	932	1,042	3,808	23,465
Revenue miles scheduled ..... "	1,049,522	4,442,689	5,492,211	25,090	148,368	81,075	36,218	290,751	5,782,962
Revenue miles flown:									
Scheduled services - Regular ..... "	1,035,486	4,398,642	5,434,128	24,656	139,796	80,772	34,829	280,053	5,714,181
Extra section ..... "	12,240	151,468	163,708	1,424	13,824	1,177	2,280	18,705	182,413
Non-scheduled services ..... "	52,476	-	52,476	82,038	16,252	81,034	100,679	280,003	332,479
Totals ..... "	1,100,202	4,550,110	5,650,312	108,118	169,872	162,983	137,788	578,761	6,229,073
Ratio of regular miles flown to miles scheduled .....	98.7	99.0	...	98.3	94.2	99.6	96.2	...	...
Revenue passengers carried ..... No.	40,248	352,151	392,399	4,852	11,236	9,466	5,163	30,717	423,116
Revenue goods carried:									
Express ..... lb.	73,274	934,220	1,007,494	-	27,859	172,008	15,050	214,917	1,222,411
Freight ..... "	535,960	3,471,616	4,007,576	708,418	513,564	-	189,332	1,411,314	5,418,890
Excess baggage ..... "	-	-	-	11,373	29,176	43,633	12,980	97,162	97,162(2)
Mail ..... "	172,510	2,223,323	2,395,833	103,045	149,194	20,744	52,875	325,858	2,721,691
Totals ..... "	781,744	6,629,159	7,410,903	822,836	719,793	236,385	270,237	2,049,251	9,460,154
Revenue passenger-miles:									
Scheduled services ..... No.	65,832,090	253,394,927	319,227,017	359,980	3,082,595	1,732,432	492,337	5,667,344	324,894,361
Non-scheduled services ..... "	1,245,617	-	1,245,617	714,605	50,273	1,421,389	1,509,625	3,695,892	4,941,509
Totals ..... "	67,077,707	253,394,927	320,472,634	1,074,585	3,132,868	3,153,821	2,001,962	9,363,236	329,835,870
Available seat-miles on scheduled services ..... "	122,052,114	412,517,574	534,569,688	819,756	6,095,796	2,880,772	890,684	10,687,008	545,256,696
Passenger load factor on scheduled services .....	53.9	61.4	...	43.9	50.6	60.1	55.3	...	...
Revenue goods ton-miles:									
Express - Scheduled services ..... No.	19,634	349,823	369,457	-	7,124	12,884	1,061	21,069	390,526
Non-scheduled services ..... "	950	-	950	-	-	11,043	2,758	13,801	14,751
Totals ..... "	20,584	349,823	370,407	-	7,124	23,927	3,819	34,870	405,277
Freight - Scheduled services ..... "	527,979	2,110,984	2,638,963	2,013	128,839	-	1,390	132,242	2,771,205
Non-scheduled services ..... "	1,644	-	1,644	167,349	1,623	-	27,639	196,611	198,255
Totals ..... "	529,623	2,110,984	2,640,607	169,362	130,462	-	29,029	328,853	2,969,460

See footnotes at end of table.

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

September 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.	39,766	160,660	200,426	280	5,334	3,823	937	10,374	210,800
Non-scheduled services .....	96	-	96	1,113	37	4,705	1,671	7,526	7,622
Totals .....	39,862	160,660	200,522	1,393	5,371	8,528	2,608	17,900	218,422
Mail - Scheduled services .....	113,969	953,314	1,067,283	3,535	38,245	1,770	1,684	45,234	1,112,517
Non-scheduled services .....	4,018	-	4,018	3,263	240	3,478	6,081	13,062	17,080
Totals .....	117,987	953,314	1,071,301	6,798	38,485	5,248	7,765	58,296	1,129,597
Total - Scheduled services .....	701,348	3,574,781	4,276,129	5,828	179,542	18,477	5,072	208,919	4,485,048
Non-scheduled services .....	6,708	-	6,708	171,725	1,900	19,226	38,149	231,000	237,708
Totals .....	708,056	3,574,781	4,282,837	177,553	181,442	37,703	43,221	439,919	4,722,756
Available ton-miles on scheduled services .....	15,832,685	55,007,809	70,840,494	89,434	836,250	270,420	96,700	1,292,804	72,133,298
Weight load factor on scheduled services(3) .....	46.0	52.6	...	46.8	58.3	70.9	56.2	...	...
Bulk:									
Revenue - Departures .....	No. 75	73	148	67	1,737	5	633	2,442	2,590
Hours flown .....	" 539	172	711	91	1,406	7	1,090	2,594	3,305
Miles flown .....	" 180,894	53,285	234,179	14,061	146,266	1,170	172,324	333,821	568,000
Passengers carried .....	" 2,989	2,227	5,216	753	2,670	18	2,024	5,465	10,681
Freight carried .....	lb. -	-	-	37,262	229,516	-	1,332,809	1,599,587	1,599,587
Non-transportation services:									
Specialty flying:									
Revenue hours flown .....	No. -	10	10	-	-	-	-	-	10
Total - All services:									
Traffic, hours and miles:(4)									
Revenue:									
Departures .....	No. 1,879	12,311	14,190	758	2,845	1,169	1,500	6,272	20,462
Hours flown .....	" 3,878	16,500	20,378	768	2,563	939	2,132	6,402	26,780
Miles flown .....	" 1,281,096	4,603,395	5,884,491	122,179	316,138	164,153	310,112	912,582	6,797,073
Passengers carried .....	" 43,237	354,378	397,615	5,605	13,906	9,484	7,187	36,182	433,797
Cargo carried .....	lb. 609,234	4,405,836	5,015,070	745,680	770,939	172,008	1,537,191	3,225,818	8,240,888
Goods carried .....	" 781,744	6,629,159	7,410,903	860,098	949,309	236,385	1,603,046	3,648,838	11,059,741

See footnotes at end of table.

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

September 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. 90	181	271	32	71	34	38	175	446
Passengers carried .....	" 1,442	..	..	184	169	151	85	589	..
Goods carried .....	lb. 112,025	..	..	21,135	52,181	-	17,595	90,911	..
Passenger-miles .....	No. 2,516,956	13,913,689	16,430,645	33,232	60,877	44,118	47,115	185,342	16,615,987
Goods ton-miles .....	" 146,645	261,849	408,494	4,924	18,229	-	2,825	25,978	434,472
Fuel consumed:									
Turbo fuel - Quantity .....	gal. 3,181,303	12,174,033	15,355,336	19,019	-	147,919	-	166,938	15,522,274
Cost .....	\$ 544,516	1,655,751	2,200,267	3,634	-	30,149	-	33,783	2,234,050
Gasoline - Quantity .....	gal. 300,588	22,682	323,270	94,663	170,425	25,208	229,036	519,332	842,602
Cost .....	\$ 83,149	7,309	90,458	29,800	69,470	7,718	85,785	192,773	283,231
Oil consumed:									
Turbo aircraft - Quantity ..	gal. 508	3,391	3,899	-	-	175	-	175	4,074
Cost .....	\$ 3,890	33,369	37,259	-	-	593	-	593	37,852
Other aircraft - Quantity ..	gal. 3,483	294	3,777	1,134	2,116	291	4,592	8,133	11,910
Cost .....	\$ 3,078	251	3,329	1,210	2,645	238	4,592	8,685	12,014
Average number of employees:									
Flying personnel .....	No. 414	1,566	1,980	32	86	40	66	224	2,204
Other personnel .....	" 2,116	10,492	12,608	142	343	249	247	981	13,589
Totals .....	" 2,530	12,058	14,588	174	429	289	313	1,205	15,793
Salaries and wages paid:									
Flying personnel .....	\$ 351,470	1,142,799	1,494,269	23,178	71,589	26,637	42,951	164,355	1,658,624
Other personnel .....	\$ 927,387	4,953,373	5,880,760	50,798	157,095	93,771	92,018	393,682	6,274,442
Totals .....	\$ 1,278,857	6,096,172	7,375,029	73,976	228,684	120,408	134,969	558,037	7,933,066

(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

September 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. 32,965	4,367	10,765	9,466	4,501	293,092	355,156
Domestic interline .....	" 3,176	485	-	-	-	59,059	66,366
Foreign interline .....	" 3,646	-	-	-	-	-	-
Totals(2) .....	" 39,787	4,852	10,765	9,466	4,501	352,151	421,522
Revenue express carried:							
Originated .....	1b. 73,274	-	27,859	172,008	15,050	934,220	1,222,411
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 73,274	-	27,859	172,008	15,050	934,220	1,222,411
Revenue freight carried:							
Originated .....	1b. 427,125	549,798	489,442	-	59,524	3,471,616	4,997,505
Domestic interline .....	" 17,610	-	-	-	-	-	17,610
Foreign interline .....	" 55,089	-	-	-	-	-	55,089
Totals(2) .....	" 499,824	549,798	489,442	-	59,524	3,471,616	5,070,204
Revenue excess baggage carried:							
Originated .....	1b. ..	11,373	28,531	43,633	12,285	..	95,822(3)
Domestic interline .....	" ..	-	-	-	-	..	-
Foreign interline .....	" ..	-	-	-	-	..	-
Totals(2) .....	" ..	11,373	28,531	43,633	12,285	..	95,822(3)
Revenue mail carried:							
Originated .....	1b. 172,510	103,045	146,878	20,744	19,314	2,223,323	2,685,814
Domestic interline .....	" -	-	-	-	-	-	-
Foreign interline .....	" -	-	-	-	-	-	-
Totals(2) .....	" 172,510	103,045	146,878	20,744	19,314	2,223,323	2,685,814

(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

September 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.	2,363	563	280	75	3,281	11,628	14,909
Revenue hours flown ..... "	3,410	2,254	805	470	6,939	13,808	20,747
Revenue miles scheduled ..... "	673,478	1,034,747	313,958	208,226	2,230,409	3,298,020	5,528,429
Revenue miles flown:							
Scheduled services - Regular ..... "	668,584	1,018,190	308,960	202,692	2,198,426	3,270,531	5,468,957
Extra sections ..... "	68,558	20,415	-	-	88,973	77,015	165,988
Non-scheduled services ..... "	-	-	-	-	-	153,155	153,155
Totals ..... "	737,142	1,038,605	308,960	202,692	2,287,399	3,500,701	5,788,100
Ratio of regular miles flown to miles scheduled	99.3	98.4	98.4	97.3	98.6	99.2	98.9
Revenue passengers carried ..... No.	...	...	...	...	129,944	267,618	397,562
Revenue cargo carried ..... lb.	...	...	...	...	2,045,839	3,173,613	5,219,452
Revenue mail carried ..... "	...	...	...	...	311,757	2,136,951	2,448,708
Revenue passenger-miles ..... No.	34,628,298	65,365,292	16,310,776	11,825,342	128,129,708	194,344,888	322,474,596
Available seat-miles on scheduled services .... "	50,400,805	135,642,311	37,510,804	25,198,224	248,752,144	286,708,228	535,460,372
Passenger load factor on scheduled services ...	68.7	48.2	43.5	46.9	51.5	66.8	59.7
Revenue goods ton-miles:							
Express ..... No.	61,085	-	-	-	61,085	313,141	374,226
Freight ..... "	240,068	537,793	141,242	194,398	1,113,501	1,556,135	2,669,636
Excess baggage ..... "	20,732	26,729	19,748	10,011	77,220	125,910	203,130
Mail ..... "	35,322	138,394	34,400	44,659	252,775	826,291	1,079,066
Totals ..... "	357,207	702,916	195,390	249,068	1,504,581	2,821,477	4,326,058
Available ton-miles on scheduled services ..... "	6,153,677	18,501,836	4,826,067	3,281,484	32,763,064	38,174,130	70,937,194
Weight load factor on scheduled services(1) ...	62.1	39.1	37.8	43.6	43.7	57.5	51.1

(1) Standard passenger weight used: 200 pounds.

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

September 1962

	Month		Year to date	
	Revenue hours	Revenue earned	Revenue hours	Revenue earned
	No.	\$	No.	\$
Flying training .....	3,015	49,751	26,862	460,986
Recreational flying .....	1,022	23,364	8,604	179,845
Aerial photography and survey .....	347	113,131	5,052	858,803
Aerial photography (excluding survey)	37	920	894	48,058
Aerial pest control .....	162	Dr. 8,581	4,253	597,115
Aerial advertising .....	23	6,435	87	11,318
Aerial patrol and inspection .....	1,333	106,758	11,563	1,003,460
Philanthropic .....	-	-	-	-
Aerial fish cultivation .....	1	72	3	230
Geophysical survey .....	949	101,796	8,076	787,867
Non-transportation charter .....	43	7,900	743	105,849
Other specialty flying .....	56	4,116	1,617	271,796
Total specialty flying .....	6,988	405,662	67,754	4,325,327

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

September 1962

	Month (1)	Year to date
Revenue hours flown .....	No. 5,310	43,676
Average number of aircraft .....	" 100	116
Average number of employees:		
Flying personnel .....	" 172	211
Other personnel .....	" 111	132
Totals .....	" 283	343
Salaries and wages paid:		
Flying personnel .....	\$ 135,146	1,229,865
Other personnel .....	\$ 69,600	676,585
Totals .....	\$ 204,746	1,906,450
Operating revenues:		
Bulk transportation .....	\$ 706,552	4,720,577
Other flying services .....	\$ 62,902	546,381
Non-flying services .....	\$ 27,498	399,171
Totals .....	\$ 796,952	5,666,129
Operating expenses:		
Flying operations .....	\$ 186,000	2,050,724
Maintenance .....	\$ 204,544	1,596,595
General services and administration .	\$ 52,070	525,723
Depreciation and amortization .....	\$ 80,611	831,073
Totals .....	\$ 523,225	5,004,115
Operating income (loss) .....	\$ 273,727	662,014
Net income (deficit) after income taxes	\$ 256,381	547,487

(1) Excludes one carrier operating 17 helicopters.

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

September 1962

	United States			Europe		
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation ..... No.	78,015	72,909	150,924	13,654	22,257	35,911
Bulk transportation ..... "	503	510	1,013	1,337	2,847	4,184
Totals ..... "	78,518	73,419	151,937	14,991	25,104	40,095
Revenue freight, express and excess baggage carried:						
Unit toll transportation ..... lb.	388,290	1,799,483	2,187,773	300,602	936,969	1,237,571
Bulk transportation ..... "	-	-	-	-	-	-
Totals ..... "	388,290	1,799,483	2,187,773	300,602	936,969	1,237,571
Mail carried (unit toll transportation) "	112,870	203,929	316,799	90,587	112,957	203,544
	All others			Totals		
	To	From	Total	To	From	Total
Revenue passengers carried:						
Unit toll transportation ..... No.	3,775	4,653	8,428	95,444	99,819	195,263
Bulk transportation ..... "	-	-	-	1,840	3,357	5,197
Totals ..... "	3,775	4,653	8,428	97,284	103,176	200,460
Revenue freight, express and excess baggage carried:						
Unit toll transportation ..... lb.	85,779	63,851	149,630	774,671	2,800,303	3,574,974
Bulk transportation ..... "	-	-	-	-	-	-
Totals ..... "	85,779	63,851	149,630	774,671	2,800,303	3,574,974
Mail carried (unit toll transportation)	7,567	9,047	16,614	211,024	325,933	536,957

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



TABLE 10. Operating Statistics, Canadian Group V Carriers

Third Quarter 1962

	Quarter	Year to date
Number of reporting carriers .....	208	..
Bulk transportation:		
Revenue hours flown ..... No.	26,518	52,323
Revenue passengers carried ..... "	53,522	103,805
Revenue goods carried ..... lb.	3,511,083	7,082,971
Specialty flying services:		
Revenue hours flown:		
Flying training ..... No.	17,508	48,423
Recreational flying ..... "	4,926	11,028
Aerial photography and survey ..... "	227	513
Aerial photography (excluding survey) "	367	474
Aerial pest control ..... "	2,282	5,462
Aerial advertising ..... "	11	24
Aerial patrol and inspection ..... "	1,248	3,252
Philanthropic ..... "	-	-
Aerial fish cultivation ..... "	-	-
Geophysical survey ..... "	342	351
Non-transportation charter ..... "	-	29
Other specialty flying ..... "	5,488	10,595
Total specialty flying services ... "	32,399	80,151
Total - All services:		
Revenue hours flown ..... "	58,917	132,474
Non-revenue hours flown ..... "	3,353	7,979

TABLE 11. Statement of Income, Canadian Group V Carriers

Third Quarter 1962

	Quarter	Year to date
	dollars	
Operating revenues:		
Bulk transportation .....	1,488,500	2,783,729
Other flying services .....	973,039	2,044,703
Total flying services .....	2,461,548	4,828,432
Non-flying services .....	370,187	1,331,070
Total operating revenues .....	2,831,735	6,159,502
Operating expenses:		
Flying operations .....	1,242,727	2,459,010
Maintenance .....	386,558	958,643
General services and administration .....	414,247	1,434,695
Depreciation .....	299,024	797,783
Total operating expenses .....	2,342,556	5,850,116
Operating income (loss) .....	489,179	309,386
Non-operating income - Net .....	Dr. 55,819	Dr. 179,240
Income before income taxes .....	433,360	130,146
Provision for income taxes .....	61,997	78,292
Net income after income taxes .....	371,363	51,854

CIVIL AVIATION DEFINITIONS

Unit Toll Transportation:	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 1); 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).
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).
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 I) service plus two major transport carriers: Nordair Ltd. and Eastern Provincial Airways 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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