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## DOMINION BUREAU OF STATISTICS

## TRANSPORTATION &amp; PUBLIC UTILITIES BRANCH

OTTAWA

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DOMINION BUREAU  
OF STATISTICS

JUN 5

PROPERTY OF THE  
LIBRARY.CIVIL AVIATIONSUMMARY OF MONTHLY REPORTS1942

Revenue passengers travelling by air in 1942 increased to 214,691 from 193,097 in 1941 and total passengers, including also non-revenue passengers and company employees increased to 228,193 from 208,076, or by 9.7 per cent. Because of longer average journeys total passenger miles increased by 29.5 per cent, and passenger hours flown by 25.0 per cent. Revenue freight carried decreased from 14,804,681 lbs. in 1941 to 11,454,570 lbs., but ton miles increased by 18.4 per cent. Mail increased both in volume and in ton miles, the volume increasing from 3,388,634 to 5,258,071 lbs., or by 55.2 per cent, and ton miles increasing by 67.6 per cent. Employees of Canadian companies increased from 1,669 to 2,092, and the pay rolls increased from \$3,094,146 to \$4,303,569. Revenues of Canadian companies operating over licensed routes increased from \$8,826,515 to \$11,751,964; operating expenses increased from \$8,310,272 to \$11,092,807, and net operating revenues increased from \$516,243 to \$659,157.

The number of persons killed in aircraft accidents of licensed Canadian companies was reduced from 9 in 1941 to 3 in 1942, and the number injured was reduced from 5 to 4. Due to increases in crew and passenger hours and miles flown, the averages on hours and miles bases showed still greater improvement. No accidents occurred with the unlicensed and international operators making monthly reports. In addition to these there were 5 pilots killed and 4 pilots and 4 passengers injured in private, training, and other flying. These were excluded from the tables because the operators were not required to make monthly reports, and consequently their miles flown, hours flown, etc. were not included in this report.

The average speed of all aircraft included in the statistics increased from 130 miles per hour in 1941 to 157 miles per hour, and the number of revenue passengers per aircraft mile increased from 4.6 to 5.5 or by 19.5 per cent. The average horse power per aircraft of the Canadian licensed companies, weighted by hours flown, shows an increase of 14.4 per cent. This accounts for the greater consumption of gasoline per aircraft hour, although on a horse power hour basis it was reduced by 2.7 per cent.

SUBJECT TO REVISION

CIVIL AVIATION, 1942

Line No.	Licensed Companies		Unlicensed Companies		Total Canadian Companies	
	1 9 4 1	1 9 4 2	1 9 4 1	1 9 4 2	1 9 4 1	1 9 4 2
4.	10,816,512	11,648,390	249,890	402,064	11,066,402	12,050,454
5.	247,850	270,604	424,051	249,539	671,901	520,143
6.	11,064,362	11,918,994	673,941	651,603	11,738,303	12,570,597
7.	135,157	160,064	6,212	12,604	141,369	172,668
9.	651	3,022	892	3,267	1,543	6,289
10.	3,829	1,954	5,354	1,605	9,183	3,559
11.	139,637	165,040	12,458	17,476	152,095	182,516
12.	13,736,086	10,416,025	911,538	604,878	14,647,624	11,020,903
14.	430,573	503,974	1,261,430	600,211	1,692,003	1,104,185
15.	14,166,659	10,919,999	2,172,968	1,205,089	16,339,627	12,125,088
16.	2,995,686	4,131,853	-	228,888	2,995,686	4,360,741
17.	49,865,076	64,647,859	283,097	828,294	50,148,173	65,476,153
18.	270,590	1,000,846	89,051	331,115	359,641	1,331,961
19.	1,543,701	844,319	664,492	115,118	2,208,193	959,437
20.	51,679,367	66,493,024	1,036,640	1,274,527	52,716,007	67,767,551
21.	931,935	1,085,115	14,544	11,520	946,479	1,096,635
22.	111,561	109,884	54,435	30,620	166,056	140,504
23.	1,043,496	1,194,999	69,039	42,140	1,112,535	1,237,139
24.	864,209	1,403,528	-	8,586	864,209	1,412,114
26.	81,853	83,551	2,378	3,875	84,231	87,426
27.	2,467	2,439	4,404	2,595	6,871	5,034
28.	271	70	6,463	4,526	6,734	4,596
29.	25	-	122	120	147	120
30.	170	247	243	274	413	521
31.	-	70	-	3	-	73
32.	3,910	1,963	253	332	4,163	2,295
33.	966	714	180	248	1,146	962
34.	89,662	89,054	14,042	11,973	103,705	101,027
35.	188,210	195,242	15,502	13,551	203,712	208,793
36.	346,143	430,806	10,757	11,342	356,900	442,148
37.	99,270	112,727	4,601	4,581	103,871	117,308
38.	4,049,416	4,391,400	227,544	229,138	4,276,960	4,620,538
39.	96,819	101,339	5,580	4,850	102,399	106,189
40.	1,560	1,967	109	125	1,669	2,092
41.	2,837,943	4,010,283	256,203	295,286	3,094,146	4,303,569

(1) Purchased in Canada.

(2) For Canadian companies only.

(3) For Canadian companies operating over licensed routes.

(b) Excludes duplications.



CIVIL AVIATION, 1942

		International Licensed Companies		T o t a l		Line No.
		1 9 4 1	1 9 4 2	(b)1 9 4 1	(b)1 9 4 2 (x)	
Miles Flown by Aircraft - Revenue		770,691	796,650	11,800,861	12,781,318	4.
" " " " - Non Revenue		9,179	1,928	681,080	521,999	5.
" " " " - TOTAL		779,870	798,578	12,481,741	13,303,317	6.
Passengers Carried - Revenue		54,671	(a) 66,728	193,097	(a) 214,891	7.
" " - Company Employees (5)		956	3,030	2,499	9,256	9.
" " - Non Revenue		3,322	746	12,480	4,246	10.
" " - TOTAL		58,949	70,504	208,076	228,193	11.
Freight Carried - Revenue (lb.)		164,767	(a) 566,819	14,804,681	(a)11,434,570	12.
" " - Non Revenue		49,264	79,074	1,741,075	1,180,318	14.
" " - TOTAL		214,031	645,893	16,545,756	12,614,888	15.
Mail Carried	"	417,562	1,104,935	3,388,634	5,258,071	16.
Passenger Miles - Revenue		3,961,735	5,775,267	53,872,704	70,790,206	17.
" " - Company Employees (5)		72,737	289,228	432,378	1,618,777	18.
" " - Non Revenue		183,875	62,648	2,390,088	1,019,302	19.
" " - TOTAL		4,218,347	6,127,143	56,695,170	73,428,285	20.
Ton Miles - Freight - Revenue		10,335	37,520	956,469	1,132,712	21.
" " - Non Revenue		3,899	7,437	169,951	147,910	22.
" " - TOTAL		14,234	44,957	1,126,420	1,280,622	23.
" " - Mail		30,464	88,599	893,709	1,497,507	24.
Hours Flown by Aircraft - Revenue Transportation		5,080	5,339	89,109	92,397	26.
" " " " - Non Revenue	"	60	13	6,931	5,047	27.
" " " " - Forestry Patrol		-	-	6,734	4,596	28.
" " " " - Fishery	"	-	-	147	120	29.
" " " " - Photography		10	-	423	521	30.
" " " " - Advertising		1	-	1	73	31.
" " " " - School - Instruction		16	-	4,178	2,295	32.
" " " " - Exhibition - Miscellaneous		11	32	1,151	981	33.
" " " " - TOTAL		5,178	5,384	108,674	106,030	34.
" " " Crew		13,372	16,130	216,463	223,777	35.
" " " Passengers-Revenue-Non Revenue		27,521	41,336	383,066	480,754	36.
Horse Power Hours Flown (Thousands)		6,427	9,410	109,859	125,960	37.
Gasoline Consumed ( Gallons )		(1)292,222	(1)527,987	4,482,138	4,980,873	38.
Lubricating Oil Consumed "		(1) 2,375	(1) 4,049	102,863	107,158	39.
Number of Employees (2) (4)		-	-	1,689	2,092	40.
Total Salaries and Wages (2) (4) \$		-	-	3,094,146	4,303,569	41.

(4) Monthly Average.

(5) Included with Non Revenue Passengers prior to October 1, 1941.

(a) Includes traffic between foreign stations over Canadian routes, 13,142 passengers and 252,706 lbs. of freight.

(x) Contains revisions of monthly data.

CIVIL AVIATION, 1942

Line No.	Licensed Companies		Unlicensed Companies		Total Canadian Companies	
	1941	1942	1941	1942	1941	1942
42.	5,578,079	4,941,591	-	-	-	-
43.	3,602,313	3,972,573	-	-	-	-
44.	1,124,344	1,680,449	-	-	-	-
45.	521,779	1,157,351	-	-	-	-
46.	8,826,515	11,751,964	-	-	-	-
47.	5,582,516	6,938,780	-	-	-	-
48.	1,708,547	2,538,115	-	-	-	-
49.	175,062	644,765	-	-	-	-
50.	399,959	471,274	-	-	-	-
51.	421,150	652,773	-	-	-	-
52.	23,038	47,100	-	-	-	-
53.	8,310,272	11,092,807	-	-	-	-
54.	516,243	659,157	-	-	-	-
55.	6	1	Nil	Nil	6	1
56.	2	Nil	"	"	2	Nil
57.	11	2	"	"	11	2
58.	9	3	"	"	19	3
59.	Nil	1	Nil	Nil	Nil	1
60.	"	Nil	"	"	"	Nil
61.	5	3	"	"	5	3
62.	5	4	"	"	5	4
63.	132	139	105	104	131	138
64.	100	111	96	96	98	103
65.	131	139	99	101	129	136
66.	4.6	5.5	1.1	2.1	4.5	5.4
67.	4.7	5.6	1.5	2.0	4.5	5.4
68.	375	404	46	66	361	379
69.	376	403	83	72	351	371
70.	173	186	116	573	172	182
71.	189	201	205	129	190	197
72.	160	241	-	43	157	234
73.	2.1	2.2	1.1	1.1	2.0	2.1
74.	44.3	49.3	16.2	19.1	40.5	45.7
75.	40.1	39.0	49.5	50.0	40.5	39.4
76.	41.65	5.12	-	-	39.39	4.79
77.	-	5.12	-	-	-	4.79
78.	31.90	4.64	-	-	30.33	4.52
79.	14.50	6.96	-	-	13.79	6.79
80.	2.14	0.50	-	-	2.10	0.30
81.	2.14	0.45	-	-	0.95	0.44

CIVIL AVIATION, 1942.

	International Licensed Companies		Total		Line No.
	1941	1942	1941	1942	
<u>OPERATING REVENUES</u> (3)					
Passenger (including Excess Baggage)	-	-	3,578,079	4,941,591	42.
Mail	-	-	3,602,515	5,972,573	43.
Other Transportation Revenues	-	-	1,124,344	1,690,449	44.
Incidental Revenues	-	-	521,779	1,157,351	45.
TOTAL	-	-	8,826,515	11,751,964	46.
<u>OPERATING EXPENSES</u> (3)					
Aircraft Operation and Maintenance	-	-	5,582,516	6,938,780	47.
Ground Operation and Maintenance	-	-	1,708,547	2,538,115	48.
Incidental Services	-	-	175,062	644,765	49.
Traffic	-	-	399,959	471,274	50.
General Administration	-	-	421,150	652,773	51.
General Taxes	-	-	23,038	47,100	52.
TOTAL	-	-	8,510,272	11,092,807	53.
Net Operating Revenues (3)	-	-	516,243	659,157	54.
<u>ACCIDENTS - Persons Killed</u>					
Pilots	Nil	Nil	6	1	55.
Other Crew	"	"	2	Nil	56.
Passengers	"	"	11	2	57.
TOTAL	"	"	19	3	58.
<u>ACCIDENTS - Persons Injured</u>					
Pilots	Nil	Nil	Nil	1	59.
Other Crew	"	"	"	Nil	60.
Passengers	"	"	5	5	61.
TOTAL	"	"	5	4	62.
<u>AVERAGES</u>					
Aircraft Miles per Hour - Revenue Transportation	152	149	132	138	63.
" " " " - Non Revenue "	153	148	98	103	64.
" " " " - TOTAL "	152	149	130	137	65.
Passengers per Aircraft Mile - Revenue Passengers	5.1	7.2	4.6	5.5	66.
" " " " - TOTAL "	5.4	7.7	4.5	5.5	67.
Passenger Journey - Revenue Passenger	72	87	279	350	68.
" " - TOTAL " - Rev. & Non Rev.	72	87	272	322	69.
Freight per Aircraft Mile - Revenue Freight (lbs.)	27	94	162	177	70.
" " " " - TOTAL " "	37	113	180	193	71.
Mail per Aircraft mile	79	222	151	240	72.
Crew per Aircraft hour	2.6	3.0	2.0	2.1	73.
Gasoline per Aircraft Hour (Gallons)	-	-	-	-	74.
" " 1,000 H.P. Hours	-	-	-	-	75.
Crew Killed per 1,000,000 crew hours flown	-	-	36.96	4.47	76.
" Injured " " " " "	-	-	-	4.47	77.
Passengers Killed per 1,000,000 passenger hrs. flown	-	-	28.19	4.16	78.
" Injured " " " " "	-	-	12.81	6.24	79.
Passengers Killed " 10,000,000 " miles "	-	-	1.94	0.27	80.
" " " " " " "	-	-	0.88	0.41	81.





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