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CIVIL AVIATION

SUMMARY OF MONTHLY REPORTS

1941

In this summary of the monthly reports of air carriers some revisions have been made, largely in connection with non revenue transportation service in both 1940 and 1941 data. Data for 1940 were taken from the quarterly reports. This report also includes accident data for only the air carriers reporting monthly, which were supplied by the Director of Air Services of the Department of Transport. These data do not include any for training schools, flying clubs or operators engaged principally in sightseeing flying.

The revenue aircraft miles flown in transportation service during 1941 amounted to 11,800,661, an increase of 15.1 p.c. over 1940. The number of revenue passengers carried increased from 137,690 in 1940 to 193,097 or by 40.2 p.c., and the revenue freight carried increased from 12,899,998 to 14,804,681 lbs. or by 14.8 p.c. Mail carried increased from 2,737,122 to 3,388,634 lbs. or 23.8 p.c. The average revenue passenger journey remained at 279 miles and the revenue passenger miles increased 40.2 p.c. Revenue freight ton miles showed an increase of 24.4 p.c.

During the year these air carriers had accidents in which 19 persons were killed and 5 were injured, as compared with 5 killed and 8 injured in 1940. The chief factor in this increase was one accident in which the crew of 3 persons and 9 passengers were killed. On a passenger mileage basis the averages were 1.94 passengers killed and 0.88 passengers injured per 10 million passenger miles flown, as compared with averages of 0.97 killed and 1.22 injured in 1940.

The average speed of aircraft for licensed air carriers in revenue transportation service increased from 128 to 132 miles per hour. International operators showed an increase from 144 to 152 miles per hour. The average number of revenue passengers per aircraft mile for all carriers increased from 3.7 to 4.6 and revenue freight carried per aircraft mile increased from 150 to 162 lbs. Gasoline consumption for Canadian operators increased from 3,648,199 gallons to 4,189,916 gallons, and the average per aircraft hour flown increased from 38.2 to 40.5 gallons. Data reported for international flights include only fuel purchased in Canada and consequently averages for these flights can not be computed.

Line No.		Licensed Companies		Unlicensed Companies	
		1940	1941	1940	1941
4.	Miles Flown by Aircraft - Revenue Transportation	9,575,963	10,780,080	359,198	249,890
5.	" " " " - Non Revenue	275,056	247,850	309,504	424,051
6.	" " " " - TOTAL	9,851,019	11,027,930	668,702	673,941
7.	Passengers Carried - Revenue	111,217	132,211	6,655	4,112
9.	" " " " - Company Employees (5)	-	651	-	892
10.	" " " " - Non Revenue	4,875	3,804	4,279	5,354
11.	" " " " - TOTAL	116,092	136,666	10,934	10,358
12.	Freight Carried - Revenue (1b.)	12,158,425	15,723,378	634,387	311,838
14.	" " " " - Non Revenue	542,851	430,381	767,905	1,261,430
15.	" " " " - TOTAL	12,701,276	16,153,759	1,402,292	1,573,268
16.	Mail Carried	2,523,150	2,971,072	11,763	-
17.	Passenger Miles - Revenue	56,744,096	49,627,872	407,090	285,097
18.	" " " " - Company Employees (5)	-	270,590	-	89,051
19.	" " " " - Non Revenue	2,018,892	1,541,721	516,437	664,432
20.	" " " " - TOTAL	58,762,988	51,440,183	923,527	1,034,580
21.	Ton Miles - Freight - Revenue	752,311	831,530	31,176	11,344
22.	" " " " - Non Revenue	104,774	111,557	55,453	54,435
23.	" " " " - TOTAL	857,085	943,087	86,629	65,779
24.	" " " " - Mail	601,484	592,315	1,992	-
26.	Hours Flown by Aircraft - Revenue Transportation	75,092	81,651	2,768	2,378
27.	" " " " - Non Revenue	2,674	2,467	3,111	4,404
28.	" " " " - Forestry Patrol	125	271	6,671	6,403
29.	" " " " - Fishery	-	25	101	122
30.	" " " " - Photography	544	170	405	243
31.	" " " " - Advertising	-	-	2	-
32.	" " " " - School - Instruction	1,954	3,909	907	253
33.	" " " " - Exhibition - Miscellaneous	808	960	443	180
34.	" " " " - TOTAL	80,997	89,433	14,428	14,343
35.	" " " " Crew	150,430	157,533	15,757	15,532
36.	" " " " Passengers - Revenue - Non Revenue	274,224	344,788	7,676	10,757
37.	Horse Power Hours Flown (Thousands)	76,236	98,831	4,648	4,601
38.	Gasoline Consumed (Gallons)	3,442,890	3,962,372	205,309	227,544
39.	Lubricating Oil Consumed	66,634	94,910	6,210	5,580
40.	Number of Employees (2) (4)	1,228	1,560	115	109
41.	Total Salaries and Wages \$ (2) (4)	2,122,137	2,837,943	254,384	256,203
	<u>OPERATING REVENUES</u> (5)				
42.	Passenger (Including Excess Baggage)	-	\$3,578,079	-	-
43.	Mail	-	3,602,513	-	-
44.	Other Transportation Revenues	-	1,124,544	-	-
45.	Incidental Revenues	-	121,172	-	-
46.	TOTAL	-	\$8,226,515	-	-
	<u>OPERATING EXPENSES</u> (5)				
47.	Aircraft Operation and Maintenance	-	\$5,582,516	-	-
48.	Ground Operation and Maintenance	-	1,708,547	-	-
49.	Incidental Services	-	175,062	-	-
50.	Traffic	-	399,959	-	-
51.	General Administration	-	421,150	-	-
52.	General Taxes	-	23,038	-	-
53.	TOTAL	-	\$8,510,272	-	-
54.	Net Operating Revenues (3)	-	\$516,243	-	-
	<u>ACCIDENTS</u>				
	<u>Persons Killed</u>				
55.	Pilots	1	6	-	-
56.	Other Crew	-	2	-	-
57.	Passengers	4	11	-	-
58.	TOTAL	5	19	-	-
	<u>PERSONS INJURED</u>				
59.	Pilots	1	-	(6) 1	-
60.	Other Crew	-	-	-	-
61.	Passengers	5	5	(9) 1	-
62.	TOTAL	6	5	2	-
	<u>AVERAGES</u>				
63.	Aircraft Miles per Hour - Revenue Transportation	128	132	130	105
64.	" " " " - Non Revenue	133	100	22	25
65.	" " " " - TOTAL	127	131	111	95
66.	Passengers per Aircraft Mile - Revenue Passenger	5.8	4.6	1.1	1.1
67.	" " " " - TOTAL	3.9	4.7	1.4	1.5
68.	Passenger Journey - Revenue Passenger	333	375	67	46
69.	" " " " - TOTAL -Revenue & Non Revenue	337	376	89	83
70.	Freight per Aircraft Mile - Revenue Freight lbs.	154	173	174	116
71.	" " " " - TOTAL	171	189	259	215
72.	Mail per Aircraft Mile lbs.	126	160	11	-
73.	Crew per Aircraft (hour)	1.9	2.1	1.1	1.1
74.	Gasoline per Aircraft Hour (Gallons)	42.5	44.3	14.2	16.2
75.	" " " " 1000 Horse Power Hours	45.2	40.1	44.2	49.5
76.	Crew Killed per 1,000,000 crew hours flown	6.65	41.65	-	-
77.	" " " " Injured	6.65	-	63.46	-
78.	Passengers Killed per 1,000,000 passenger hours flown	14.59	31.90	-	-
79.	" " " " Injured	18.23	14.50	75.34	-
80.	" " " " Killed " 10,000,000 passenger miles flown	1.03	2.14	-	-
81.	" " " " Injured	1.29	2.14	-	-

(1) Purchased in Canada.

(2) For Canadian Companies only.

(5) For Canadian Companies operating over licensed routes.

Total Canadian Companies		International Licensed Companies		Total		Increase 1941 over 1940		Line No.
1940	1941	1940	1941	x 1940	x 1941	Amount	Per cent	
9,955,161	11,029,970	320,811	770,691	10,255,972	11,800,661	1,544,689	15.1	4.
584,560	671,901	770	9,179	585,350	681,080	95,750	16.4	5.
10,519,721	11,701,871	321,581	779,870	10,841,302	12,481,741	1,640,439	15.1	6.
116,342	158,428	21,348	54,871	137,690	195,097	55,407	40.2	7.
-	1,543	-	956	-	2,499	(9.
9,154	9,158	1,875	3,322	11,029	12,490	(3,950	35.8	10.
125,436	149,127	23,223	58,949	148,719	208,078	59,357	39.9	11.
12,853,512	14,339,914	46,486	184,787	12,899,998	14,504,681	1,604,683	14.8	12.
1,311,756	1,631,811	1,850	49,284	1,313,606	1,741,076	427,469	32.5	14.
14,165,266	16,331,725	48,356	214,931	14,213,694	16,545,756	2,332,152	16.4	15.
2,577,315	2,971,072	159,207	417,582	2,737,122	3,388,634	651,512	23.8	16.
37,152,186	49,910,969	1,274,845	3,981,755	38,427,051	53,872,704	15,445,673	40.2	17.
-	559,641	-	72,737	-	432,378	(18.
2,535,269	2,206,213	114,771	183,875	2,650,040	2,390,088	(172,426	6.5	19.
39,887,455	52,476,823	1,389,516	4,218,347	41,077,071	56,695,170	15,618,099	38.0	20.
706,184	946,134	2,431	10,355	708,615	956,489	247,874	34.9	21.
160,224	166,052	29	3,899	160,253	169,951	9,698	6.1	22.
926,708	1,112,186	2,520	14,134	929,228	1,126,420	197,192	21.2	23.
603,416	863,245	8,980	30,464	612,396	893,709	281,313	45.9	24.
77,860	84,029	2,222	5,080	80,082	89,109	9,027	11.3	26.
5,785	6,871	5	60	5,790	6,931	1,141	19.7	27.
6,796	6,734	-	-	6,796	6,734	- 62	0.9	28.
101	147	-	-	101	147	46	45.5	29.
749	413	-	-	750	423	- 327	43.8	30.
2	-	2	10	4	1	- 3	75.0	31.
2,861	4,162	8	16	2,869	4,178	1,309	45.6	32.
1,251	1,140	6	11	1,257	1,151	- 106	8.4	33.
95,405	103,496	2,244	5,178	97,649	108,674	11,025	11.3	34.
166,137	203,091	4,846	15,372	170,983	216,463	45,480	26.6	35.
281,900	355,545	11,027	27,521	292,927	383,066	90,139	30.8	36.
80,884	103,432	2,241	6,427	83,125	109,859	26,734	32.2	37.
3,648,199	4,189,916	(1) 124,667	(1) 292,222	3,772,866	4,482,138	709,272	18.8	38.
72,844	100,490	(1) 824	(1) 2,375	73,668	102,863	29,195	39.6	39.
1,343	1,669	-	-	1,343	1,669	326	24.3	40.
2,736,521	3,094,146	-	-	2,736,521	3,094,146	357,625	13.1	41.
-	-	-	-	-	\$5,578,079	-		42.
-	-	-	-	-	3,602,513	-		43.
-	-	-	-	-	1,124,344	-		44.
-	-	-	-	-	521,779	-		45.
-	-	-	-	-	\$8,826,515	-		46.
-	-	-	-	-	\$5,582,516	-		47.
-	-	-	-	-	1,708,547	-		48.
-	-	-	-	-	175,062	-		49.
-	-	-	-	-	399,959	-		50.
-	-	-	-	-	421,150	-		51.
-	-	-	-	-	23,038	-		52.
-	-	-	-	-	\$8,510,272	-		53.
-	-	-	-	-	\$ 516,243	-		54.
1	6	-	-	1	6	5		55.
-	2	-	-	-	2	2		56.
4	11	-	-	4	11	7		57.
5	19	-	-	5	19	14		58.
2	-	-	-	2	-	- 2		59.
-	-	-	-	-	-	-		60.
6	5	-	-	6	5	- 1		61.
8	5	-	-	8	5	- 3		62.
128	151	144	152	128	132			63.
101	98	154	153	101	98			64.
126	123	144	152	126	150			65.
3.7	4.5	4.0	5.1	3.7	4.6			66.
3.8	4.5	4.3	5.4	3.8	4.5			67.
519	361	60	72	279	279			68.
316	551	60	72	276	272			69.
154	172	18	27	150	162			70.
176	180	16	37	171	180			71.
121	157	56	79	119	151			72.
1.7	2.0	2.2	2.6	1.8	2.0			73.
58.2	40.5	-	-	-	-			74.
45.1	40.5	-	-	-	-			75.
6.02	59.39	-	-	5.85	56.96			76.
12.04	-	-	-	11.70	-			77.
13.82	30.55	-	-	13.40	28.19			78.
20.88	13.79	-	-	20.11	12.81			79.
1.01	2.10	-	-	0.97	1.94			80.
1.28	0.95	-	-	1.22	0.88			81.

(4) Monthly Average.

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

(6) Forestry Patrol.

x Contain revisions of monthly data.

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