

Published by Authority of the Hon. James A. MACKINNON, M.P.,
Minister of Trade and Commerce.

DOMINION BUREAU OF STATISTICS
TRANSPORTATION AND PUBLIC UTILITIES BRANCH
OTTAWA

AIR TRANSPORT BOARD
ECONOMIC DIVISION

CIVIL AVIATION

20-4510

SUMMARY OF MONTHLY REPORTS

(Preliminary, 1946)

This report includes a summary of 1946 data for scheduled air carriers as reported in monthly reports. Data for non-scheduled carriers, which are shown in the monthly reports, will be published later and will include data for carriers operating but not reporting for some of the earlier months. Some of the 1945 totals have been revised to make them directly comparable with 1946 totals.

Canadian scheduled air carriers transported 508,907 revenue passengers during the year, an increase of 54 per cent over 1945 traffic. Of these 81,616 were carried on international flights. Foreign (U.S.A.) carriers transported 244,838 revenue passengers, including passengers received from other air carriers in Canada. Revenue and non-revenue freight carried by Canadian carriers increased from 11,753,530 lbs. in 1945 to 19,771,457 lbs. or by 68 per cent, and mail declined by 6 per cent in lbs. and 16.5 per cent in ton miles. The latter is the better unit; the weight includes considerable duplications.

Canadian carriers increased their revenues from \$16,210,657 in 1945 to \$20,397,070 or by 26 per cent, but operating expenses increased from \$16,351,248 to \$21,171,229 or by 29 per cent, thus increasing the loss from operation from \$139,591 to \$774,159. This does not include interest on stocks and funded debt and other income credits and debits.

The ratio of revenue passenger miles to available seat miles for routes, principally passenger, was 61.5 per cent for the foreign international carriers, 66.4 per cent for the Canadian international routes and 76.4 per cent for the entire Trans-Canada Air Lines.

The employees of Canadian carriers increased from 4,134 to 5,156 or by 25 per cent and the pay roll was increased from \$8,696,162 to \$11,527,372 or by 32.6 per cent.

The average speed of Canadian carriers' planes increased from 141 to 153 miles per hour. The average number of revenue passengers per aircraft flight increased from 8.02 to 8.73, freight increased from 151 to 157 pounds, but mail declined from 217 to 137 pounds; these are weighted by miles flown. Both foreign and Canadian international carriers flew 92.7 per cent of the flights scheduled.

CIVIL AVIATION

Line No.		Canadian Carriers - Scheduled			
		Canadian Pacific Air Lines	M & C Aviation	Maritime Central	
		A	B	C	
	<u>REVENUES</u>				
1.	Passenger \$	3,067,675	13,928	202,480	
2.	Mail \$	1,332,356	2,971	146,264	
3.	Goods (including excess baggage) \$	753,464	8,773	10,960	
4.	Chartered Services \$	1,464,254	41,551	50,157	
5.	Other Transportation \$	373,028	-	-	
6.	All Other \$	116,197	455	1,732	
7.	Total 1946 \$	7,108,994	67,678	411,593	
8.	" 1945 \$	5,363,485	34,248	300,336	
	<u>EXPENSES</u>				
9.	Aircraft Operation and Maintenance \$	4,213,236	46,241	249,774	
10.	Ground Operation and Maintenance \$	1,514,510	14,637	89,416	
11.	Traffic \$	190,719	3,212	12,345	
12.	General Administration \$	837,177	4,352	38,553	
13.	General Taxes \$	11,767	334	1,017	
14.	Total 1946 \$	6,767,409	68,776	391,105	
15.	" 1945 \$	5,749,126	39,041	312,809	
16.	Net Operating Revenues 1946 \$	339,585	Dr. 1,098	20,488	
17.	" " " 1945 \$	Dr. 385,641	Dr. 4,793	Dr. 12,473	
18.	Operating Ratio - Per Cent 1946	95.2	101.6	95.0	
19.	" " " " 1945	107.2	114.0	104.2	
21.	Aircraft Miles Scheduled	4,771,496	56,674	570,051	
22.	" " Flown - Revenue	6,813,907	145,720	570,319	
23.	" " " - Non-revenue	380,568	5,676	20,522	
24.	" " " - Total 1946	7,194,475	151,396	590,841	
25.	" " " - " 1945	5,585,546	105,312	368,644	
26.	Passengers Carried - Revenue - Originated	176,685	1,259	27,293	
27.	" Received from Air Carriers in Canada	-	-	4,714	
28.	" Company Employees	3,568	15	319	
29.	" Other Non-revenue	256	2	139	
30.	Total 1946	180,509	1,276	32,465	
31.	" 1945	128,519	1,215	26,285	
32.	Goods Carried - Originated - Revenue lbs.	16,471,226	134,303	281,833	
33.	" Received from Air Carriers in Canada	43,515	-	14,062	
34.	" Non-revenue	664,344	-	-	
35.	Total 1946	17,179,085	134,303	295,895	
36.	" 1945	9,959,659	80,990	72,465	
37.	Mail Carried (lbs.) 1946	1,722,733	29,062	375,307	
38.	" " " 1945	1,253,537	19,271	412,413	
39.	Passenger Miles - Revenue	30,515,755	168,195	3,013,618	
40.	" " - Company Employees	1,227,545	3,451	28,570	
41.	" " - Other Non-revenue	53,562	400	11,105	
42.	Total 1946	31,796,862	172,046	3,053,293	
43.	" 1945	24,206,936	89,659	1,833,570	
44.	Available Seat Miles (8)	16,365,628	-	5,334,839	
45.	Ratio of Revenue Passenger Miles to Available Seat Miles (8) Per Cent	48.3	-	50.8	

SUMMARY, 1946

Canadian Carriers-Scheduled		International Routes			Grand Total (G+I)	Line No.
Trans- Canada Air Lines (7)	Total Scheduled Canadian Carriers (A+B+C+D)	Canadian (included in E) (7)	Foreign	Total (H+I)		
D	E	H	I	J	L	
8,065,477	11,349,560	1,684,635				1.
3,780,510	5,262,101	473,044				2.
378,185	1,151,402	47,263				3.
-	1,555,962	-				4.
-	373,028	-				5.
586,633	705,017	111,879				6.
12,810,805	20,597,070	2,316,821				7.
10,512,588	16,210,657	-				8.
			Not Collected			
7,890,333	12,399,564	1,625,430				9.
4,202,581	5,821,144	868,375				10.
1,161,822	1,368,098	237,186				11.
630,882	1,510,964	149,667				12.
58,321	71,439	10,448				13.
13,943,939	21,171,229	2,891,106				14.
10,250,272	16,351,248	-				15.
Dr. J. 133,184	Dr. 774,159	Dr. 574,285				16.
262,316	Dr. 139,591	-				17.
108.8	108.8	124.5				18.
97.5	100.9	-				19.
14,884,345	20,282,566	3,099,503	(1) 1,135,714	4,235,217	21,418,280	21.
14,162,377	21,692,323	2,872,759	1,053,076	3,925,835	22,745,399	22.
1,702,293	2,109,059	43,714	37,029	80,743	2,146,088	23.
15,864,670	23,801,382	2,916,473	(1) 1,090,105	4,006,578	24,891,487	24.
11,022,905	17,082,407	1,658,942	876,947	2,535,889	17,959,354	25.
303,670	508,907	69,034	(2) 237,161	306,195	746,068	26.
33,506	38,220	12,582	7,677	20,259	45,897	27.
13,493	17,395	1,846	2,876	4,722	20,271	28.
1,137	1,534	210	510	720	2,044	29.
351,806	566,056	83,672	(2) 248,224	331,896	814,280	30.
201,436	357,455	34,675	(11) 170,016	(11) 204,691	527,471	31.
1,457,317	18,344,679	282,776	(3) 1,165,395	1,448,171	19,510,074	32.
149,520	206,897	61,140	12,680	73,820	219,577	33.
555,537	1,219,881	51,357	95,807	147,164	1,515,688	34.
2,162,174	19,771,457	395,273	(3) 1,273,882	1,669,155	21,045,339	35.
1,646,416	11,759,530	227,202	(12) 1,167,634	1,394,836	12,927,164	36.
2,684,717	4,811,819	263,592	(4) 1,014,708	1,278,300	5,826,527	37.
3,429,232	5,114,453	317,402	(13) 1,543,075	1,860,477	6,657,528	38.
155,777,515	195,274,887	30,301,217	(1) 13,091,011	43,392,228	202,565,898	39.
6,758,673	8,018,239	634,178	203,156	837,334	8,221,395	40.
242,493	307,560	53,334	30,261	83,595	337,821	41.
162,778,485	197,800,686	30,988,729	13,324,428	44,313,157	211,125,114	42.
109,098,006	135,228,171	15,940,250	10,861,736	26,801,986	146,089,907	43.
203,784,271	226,084,738	45,627,796	21,289,955	66,917,751	247,374,693	44.
76.4	73.7	66.4	61.5	64.8	72.7	45.

CIVIL AVIATION

Line No.		Canadian Carriers - Scheduled					
		Canadian Pacific Air Lines	M & C Aviation	Maritime Central			
		A	B	C			
46.	Ton Miles - Goods - Revenue	1,150,734	10,411	27,534			
47.	" " " - Non-revenue	142,180	-	-			
48.	" " " - Total 1946	1,292,914	10,411	27,534			
49.	" " " " 1945	780,568	9,664	3,370			
50.	" " - Mail 1946	255,411	1,639	14,694			
51.	" " " 1945	184,068	2,613	15,956			
52.	Total Load Ton Miles (9) 1946	4,728,011	29,255	347,557			
53.	" " " (9) 1945	3,385,350	21,243	202,683			
54.	Hours Flown by Aircraft - Revenue	52,018	1,464	4,837			
55.	" " " " - Non-revenue	2,961	55	196			
56.	" " " " - Other	895	-	-			
57.	" " " " - Total 1946	55,874	1,519	5,033			
58.	" " " " " 1945	43,631	1,077	3,162			
59.	" " " Crew 1946	100,542	1,948	9,500			
60.	" " " " 1945	75,262	1,097	5,715			
61.	" " " Passengers 1946	222,438	1,740	22,959			
62.	" " " " 1945	162,846	898	15,385			
63.	Number of Employees 1946	1,221	34	62			
64.	" " " 1945	1,052	30	54			
65.	Salaries and Wages 1946 \$	2,590,286	62,587	127,291			
66.	" " " 1945 \$	2,108,890	41,340	103,700			
67.	Gasoline Consumed (Gallons)	2,632,415	31,436	192,880			
68.	Cost of Gasoline Consumed \$	906,985	11,969	46,617			
69.	Oil Consumed (Gallons)	46,985	974	3,946			
70.	Cost of Oil Consumed \$	42,402	792	4,119			
<u>AVERAGES</u>		1946	1945	1946	1945	1946	1945
71.	Aircraft Miles per Hour - Total 24½57 Miles	129	128	100	98	117	117
72.	Revenue Passengers per Aircraft Mile 39½22 No.	4.48	4.27	1.15	.92	5.28	4.99
73.	Revenue Goods per Rev. Aircraft Mile 46½22 Lbs.	338	255	143	203	97	189
74.	Mail per Aircraft Mile 50½22 "	75	66	22	55	52	90
75.	Load per Aircraft Mile 52½24 Tons	.66	.61	.19	.20	.59	.55
76.	Transportation Rev. per Rev. Aircraft Mile (7-6)½22 \$	1.03	.94	.46	.35	.72	.84
77.	Total Revenue per Aircraft Mile 7½24 \$.99	.96	.45	.33	.70	.61
78.	Expenses per Aircraft Mile 14½24 \$.94	1.03	.45	.37	.66	.85
79.	Revenue Passenger Journey 39½(26+27) Miles	173	183	134	73	94	70
80.	Ratio of Scheduled Aircraft Miles Flown to Miles Scheduled (10) Per Cent	96.3	-	100	23.3	88.6	60.2

(1) Miles in Canada.

(2) Includes 6,673 passengers between foreign points.

(3) Includes 181,260 lbs. between foreign points

(4) Includes 215,239 " " " "

(5) Purchased in Canada.

(6) Employees domiciled in Canada.

(7) Data for Montreal-United Kingdom route are not included.

SUMMARY, 1946

		Canadian Carriers - Scheduled				International Routes						Grand Total (G + I)		Line No.
Trans- Canada Air Lines (7)		Total Scheduled Canadian Carriers (A+B+C+D)		Canadian (included in E) (7)		Foreign		Total (H+I)						
D		E		H		I		J		L				
513,493		1,702,172		69,260		48,098		117,358		1,750,270		46.		
259,503		401,683		11,141		7,605		18,746		409,288		47.		
772,996		2,103,855		80,401		55,703		136,104		2,159,558		48.		
648,743		1,442,365		56,399		78,349		134,748		1,520,714		49.		
1,210,716		1,482,460		57,457		49,095		106,552		1,531,555		50.		
1,571,180		1,773,817		73,093		74,333		147,426		1,848,150		51.		
18,261,561		23,366,384		3,236,731		1,437,241		4,673,972		24,803,625		52.		
13,129,723		16,738,999		1,723,517		1,238,856		2,962,373		17,977,855		53.		
79,825		138,144		16,563		6,901		23,464		145,045		54.		
13,440		16,652		289		208		497		16,860		55.		
-		895		-		-		-		895		56.		
93,265		155,691		16,852		7,109		23,961		162,800		57.		
73,229		121,099		10,104		5,711		15,815		126,810		58.		
267,289		379,279		50,360		21,682		72,042		400,961		59.		
211,596		293,670		30,232		18,518		48,750		312,188		60.		
926,048		1,173,245		182,253		86,656		268,909		1,259,901		61.		
671,373		850,482		96,806		69,175		165,981		919,657		62.		
3,859		5,156		-		(6) 115		-		5,271		63.		
2,998		4,134		-		66		-		4,200		64.		
8,747,408		11,527,372		-		295,044		-		11,822,416		65.		
6,442,232		8,696,162		-		185,021		-		8,881,183		66.		
6,843,321		9,700,052		1,181,329		(5) 1,029,210		2,210,539		10,729,262		67.		
1,669,902		2,635,473		252,843		-		-		-		68.		
82,412		134,317		15,842		2,245		18,087		136,562		69.		
64,643		111,956		14,044		-		-		-		70.		
1946		1945		1946		1945		1946		1945				
170		151		153		141		173		164		71.		
10.99		10.10		8.73		8.02		10.54		9.52		72.		
73		95		157		151		48		61		73.		
171		299		137		217		40		88		74.		
1.15		1.19		.98		.98		1.11		1.04		75.		
.86		.96		.91		.95		-		-		76.		
.81		.95		.86		.95		-		-		77.		
.88		.93		.89		.96		-		-		78.		
462		543		346		377		371		-		79.		
95.1		83.9		95.2		-		92.7		-		80.		

(8) For routes for which available seat miles are compiled.

(9) Total Goods ton-miles (48) + total mail ton-miles (50) + one-tenth passenger miles (42)
(200 lbs. per passenger and baggage).

(10) Includes scheduled flights only.

(11) Includes 13,458 lbs. between foreign points.

(12) Includes 374,004 lbs. between foreign points.

(13) Includes 459,952 passengers between foreign points.

BIBLIOTHEQUE STATISTIQUE
010548644

1010548644