STATISTICAL SUM.

15 - AN 90F CIVIL AVIATION FOR THE YEAR

1935

Historical File Copy

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CANADA

Licences

During the year 239 air pilots or air engineers' licences were granted. Also 102 aircraft registration certificates and 81 airworhtiness certificates were granted to operators.

1	Issued	Extended	Lapsed	Renewed	Cancelled	
Private Air Pilots Commercial Air Pilot Air Engineers	150 s 50 39	75 169 51	216 189 78	116 168 30	2 9 3	
Private Aircraft	21		23	5	2	
Commercial Aircraft	81	18 - 17	33	34	55	

Totals in force December 31st, 1935.

Private Air Pilots	498
Commercial Air Pilots	414
Air Engineers	472
Private Aircraft	44
Commercial Aircraft	336
Airharbours	96

Accidents

In accordance with Air Regulations, aircraft operators are required to report all accidents involving death or injury to personnel or damage to aircraft. During the year 15 accidents involving death or injury were reported and Boards of Enquiry were convened to determine the cause of each accident. In addition, 77 accidents involving damage to aircraft only, were reported, and subjected to analysis.

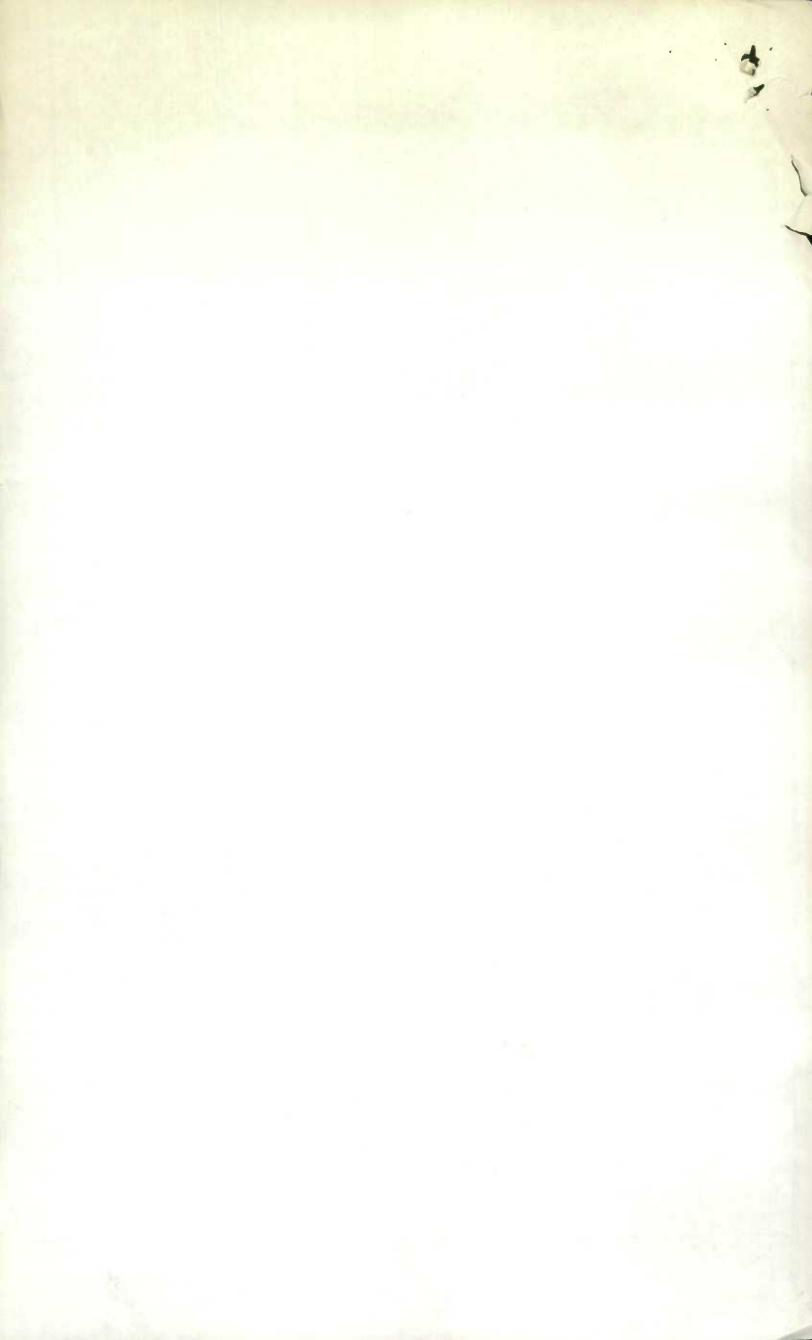
Light Aeroplane Clubs

A further extension of the Club scheme was granted and revised Standard Conditions authorized. During the year grants were paid for 165 private and 33 commercial air pilots' licences. One club qualified for the grant of additional aircraft by purchasing an aircraft, and was issued with a reconditioned aircraft. Twenty-two clubs were in operation during the year.

The activities of the club were: - Members 2,400. Aircraft used 81. Members under instruction 536. Hours flown 13,819.31. Miles flown 1,105,520.

Aircraft Operators

One hundred and thirty commercial aircraft operators were variously engaged in transportation of mail, passengers and freight, flying instruction, air photography, timber cruising, forest and fishery patrols, demonstrations, mining exploration and prospecting, etc. These firms were located as follows: 1 in Prince Edward Island, 4 in Nova Scotia, 3 in New Brunswick, 22 in Quebec, 44 in Ontario, 10 in Manitoba, 11 in Saskatchewan, 12 in Alberta, 20 in British Columbia and 3 in the Yukon.



Forest fire protection and exploratory operations were carried out by the Air Services owned and operated by the Provinces of Ontario, Manitoba and Saskatchewan.

The flying activities of these operators were 88,451 hours flown, 177,472 passengers, and 26,439,224 pounds of freight carried; miles flown 7,936,950.

TRANS-CANADA AIRWAY DEVELOPMENT

The construction of intermediate aerodromes and landing fields, hangars, buildings and radio stations on the trans-Canada airway progressed favourably during the year of 1935.

Construction work was continued on 48 locations, some being winter projects and others for summer only as work could not be done economically during the winter months. Of the total, 20 are now usable, although some are not wholly completed and on 9 others construction is sufficiently far advanced to permit of their use in emergency. These aerodromes and landing fields may be summarized as follows - December 31, 1935.

Intermediate Aerodromes and Landing Fields where preliminary development has been completed	10
Intermediate Aerodromes and Landing Fields under construction, winter and summer projects	34
Intermediate Aerodromes and Landing Fields under construction, summer projects only	14
Sites acquired but not under construction	10
Intermediate Aerodromes completed prior to 1930	30
Municipal and Public Airports forming part of the Trans-Canada Airway	20

Steel and concrete fireproof hangars were erected at 4 of the main aerodromes, viz., Wagaming, Kapuskasing, Emsdale and Megantic. The living quarters for an aerodrome caretaker was built at Reay.

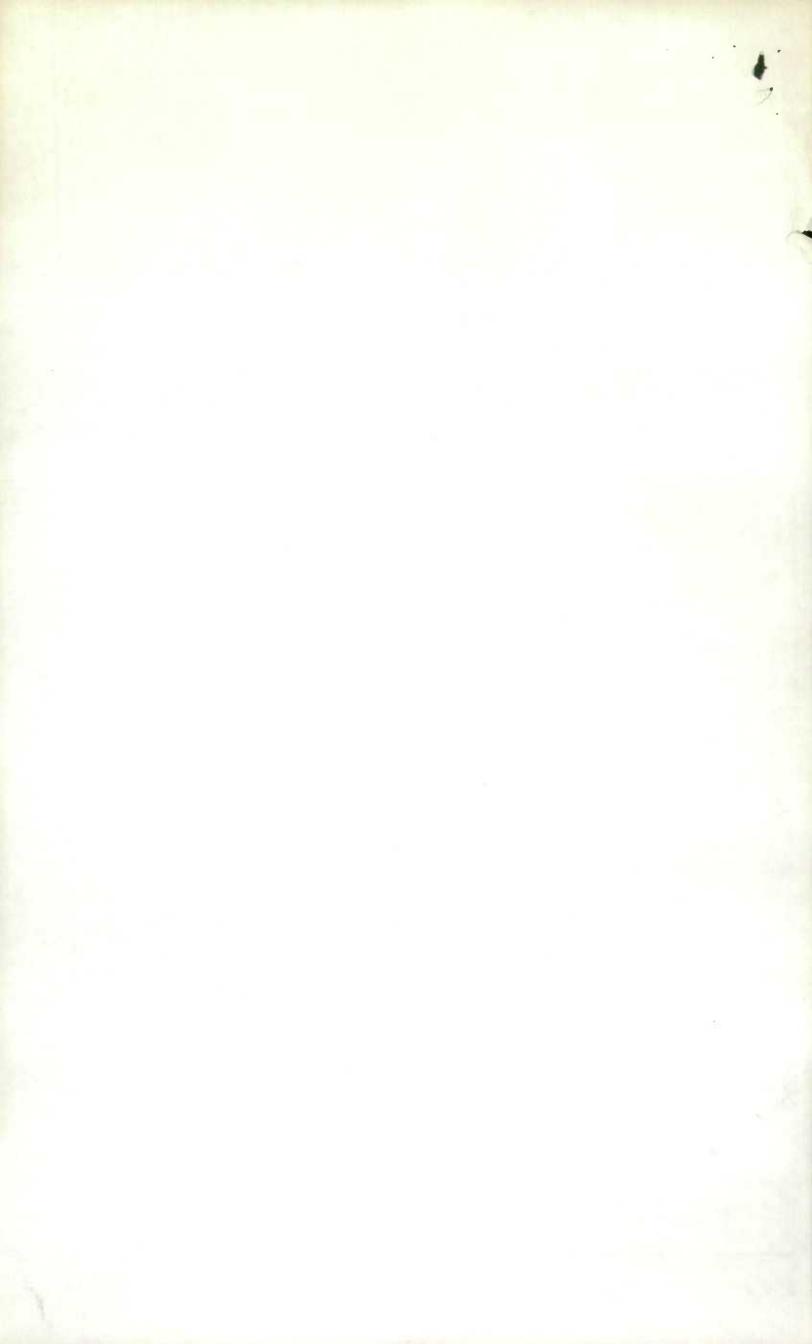
Wireless Services

The two radio stations erected at Ottawa and St. Hubert were in operation and experimental work was done on the radio compass and training on the radio beacon beam from these stations.

Radio beacon buildings and living quarters for the radio personnel were erected at Kapuskasing, Dane and Emsdale.

St. Hubert Airport

The Montreal-Albany International Air Mail and the summer service of the Montreal-Rimouski Air Mail Services were operated from the Government Airport at St. Hubert, P.Q.



The following is a summary of activities at this airport for the year:-

Aircraft						434
Passenge	rs ir	1			 	. 798
Freight	in (]	Lbs)				21,101
Mail in	out					96,524
Aircraft			 0	• •		
Value .	uhn					\$37,400

AIR MAIL SERVICE

During 1935, thirty regular air mail services were operated by Commercial firms, under Post Office Contracts; 1 126,084 pounds of mail was carried, 812,124 Route miles were flown, 6,110 Single trips were made. The following services were maintained:-

YEARLY SERVICES:- Montreal-Albany, Sioux Lookout-Red Lake, Fort McMurray-Aklavik, Prince Albert-Lac La Ronge, Amos-Siscoe, Winnipeg-Pembina. Cameron Bay-Coppermine, Fort Chipewyan-Goldfields, Fort Resolution-Cameron Bay, Rouyn-Kewagama, Atlin-Telegraph Creek. Vancouver-Seattle, Sioux Lookout-Pickle Crow, Winnipeg-Lac du Bonnet, Winnipeg-God's Lake, Stoux Lookout-Gasuamit Lake, Norway House-Cross Lake, Kenora-Whitefish Bay, Kenora-Red Lake, Kenora-Cole.

SUMMER SERVICES: - Rimouski-Montreal, Vancouver-Victoria.

WINTER SERVICES: Leamington-Pelee Island, Quebec-Sept Iles, Sept Iles-Natashquan, Havre St. Pierre-Port Menier, Moncton-Charlottetown, Charlottetown-Magdalen Islands.

STATISTICS

The following summary includes all operations of Commercial and provincial-owned aircraft, light aeroplane clubs and air mail operators, in fact all flying in Canada except Federal Government and Private-owned aircraft.

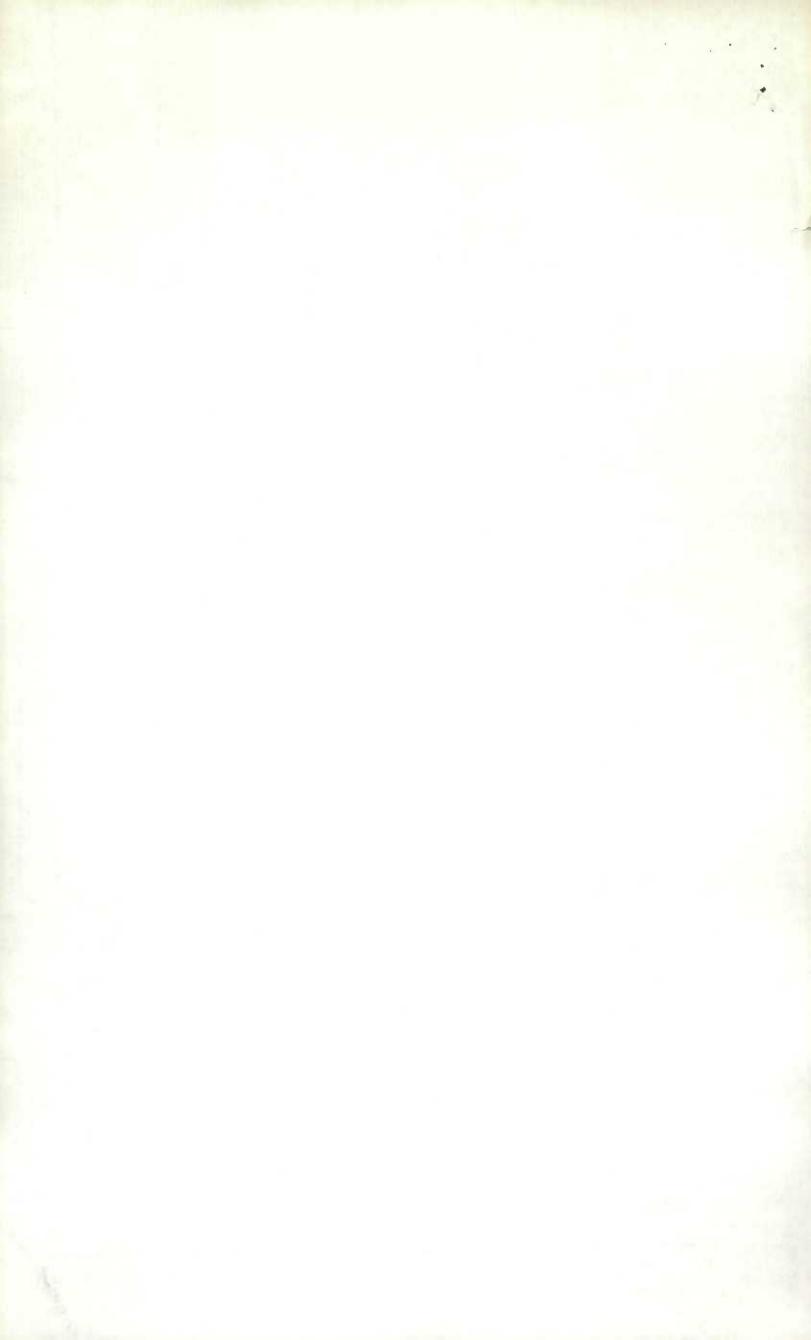
	1.933	1934	1935
Aircraft miles	4,538,315 106,252 53,299 85,006	6,497,637 128,031 75,871 105,306	7,522,102 153,211 88,451 177,472
Passenger miles	3,816,862 4,205,901 539,358	6,266,475 14,441,179	7,936,950 26,439,224 1,126,084



STATISTICAL SUMMARY OF CIVIL AVIATION (BY PROVINCES) FOR THE YEAR 1935,
INCLUDING OPERATIONS BY THE PROVINCIAL GOVERNMENTS AND LIGHT AEROPLANE CLUBS.

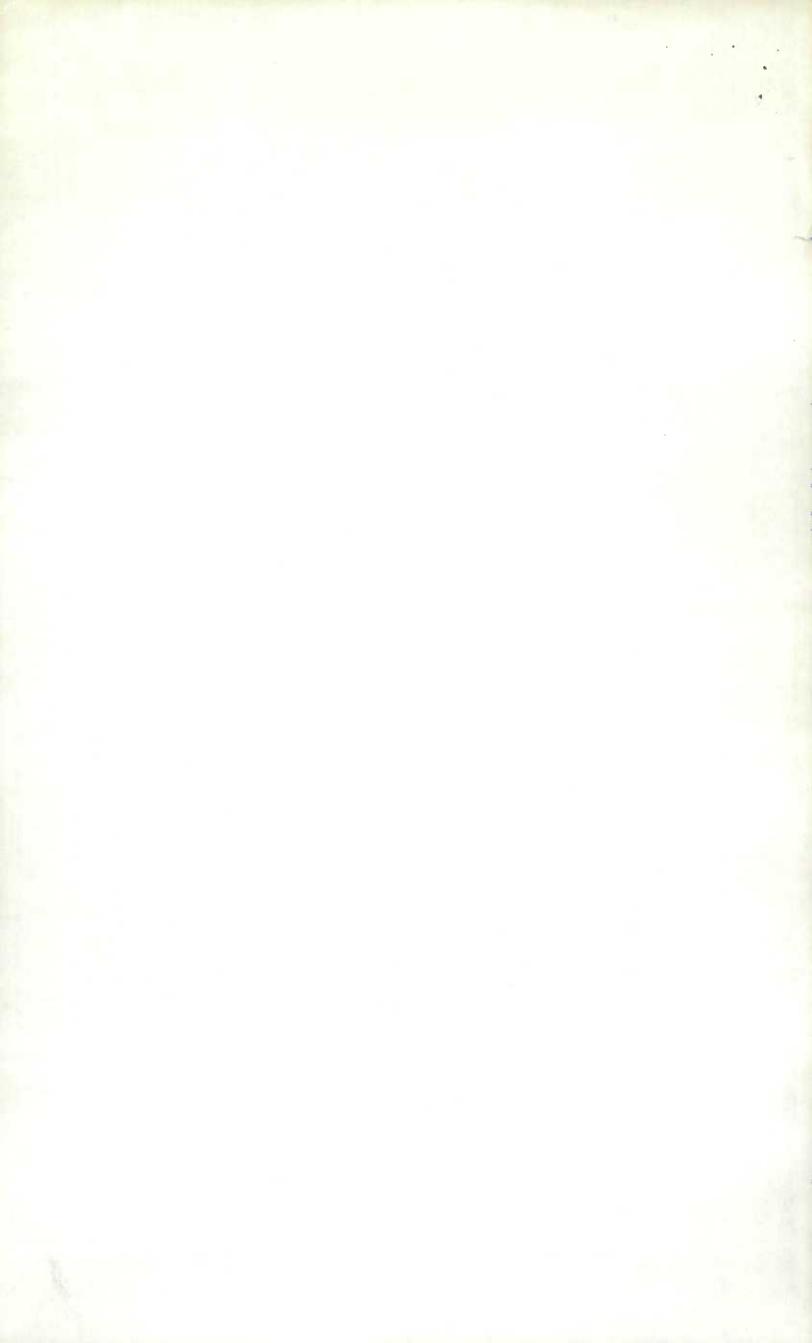
PROVINCE	APPROXIMATE AFROPLANE MILEAGE (WHEELS & SKIIS)	APFROXIMATE SEAPLANE MILEAGE	NUMBER OF SQ. MILES OF VERTICAL PHOTOGRAPHY	NUMBER OF SQ. MILES OF OBLIQUE PHOTOGRAPHY	
NORTHWEST TERRITORIES AND YUKON	173,480	188,772	362,252		
ERITISH COLUMBIA	409,266	334,831	,831 744,097 -		
ALBERTA	347,853	174,319	522,170		
SASKATCHEWAN	304,313	291,862	598.175		-
MANITOBA	490,751	402,333	893,084		100
ONTARIO	1,445,076	1,057,899	2,502,965	2,000	-
QUEBES	864,598	746,754	1,611,352	420	10
NEW BRUESWICK	95,614	2,150	102,764	2,743	20,000
HOVA SCOTIA	135,396	4,000	139,396		- "
PRINCE EDWARD ISLAND	47,845	enter .	47,845		16 h
TOTALS	4,314,198	3,207,910	7,522,102	5,163	20,010

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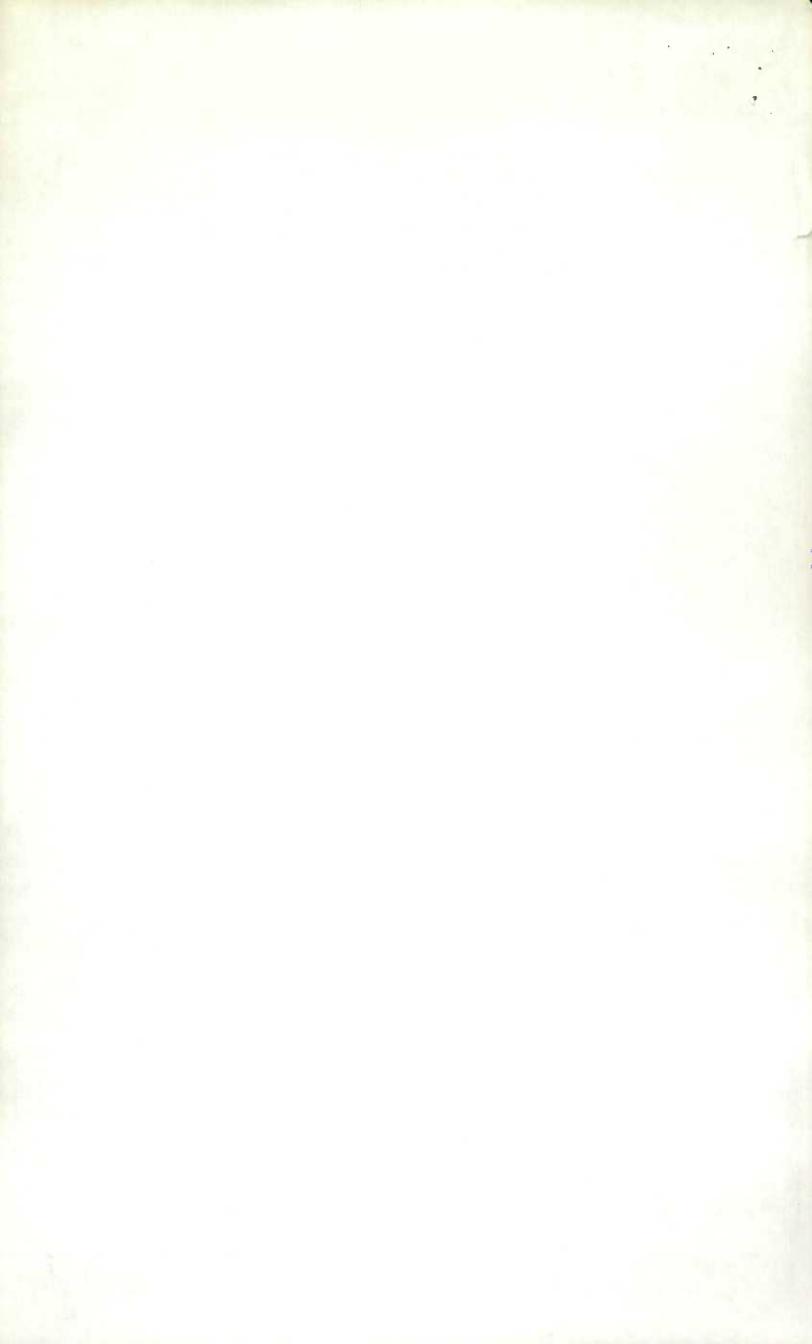
STATISTICAL SUMMARY OF CIVIL AVIATION IN CANADA DECEMBER 31,1935, INCLUDING PROVINCIAL GOVERNMENT AIR SERVICES AND LIGHT AFROPLANE CLUBS

NATURE OF INFORMATION	1933	1.954	1935
General Analysis		اختر والهاد	
Firms manufacturing aircraft	7	6	10
Firms chiefly operating aircraft	87	125	123
Firms using aircraft as auxiliary service	3	Z	7
Aircraft flights made	106,232	128,031	153,211
Aircraft hours flown	53,299	75,871	88,451
Approximate aeroplane and skiplane mileage	2,733,642	3,430,475	4,314,192
Approximate Seaplane mileage	1,804,663	3,067,162	3,207,910
Total aircraft mileage	4,538,315	6,497,037	7,522,102
Average flight duration (minutes)	30	36	34
Number of pilets carried	106,252	128,031	153,211
Number of paying passengers carried	54,133	72,085	140,379
Number of non-paying passengers carried	14,993	8,721	17,093
Number of club members carried and dual instruction	15,880	24,500	20,000=
Number of passengers carried	85,006	105,306	177,472
Total of personnel carried	191,258	233,337	330,683
Pilots carried one mile (pilot miles)	4,538,315	6,497,637	7,522,102
Passengers carried one mile (Passenger miles)	3,816,862	6,266,475	7,956,950
Total personnel carried one mile (personnel miles)	8,555,177	12,764,112	15,459,052
Total freight or express carried (lbs)	4,205,901	14,441,170	26,439,224
Total mail carried (lbs) (Contract)	539,358	625,040	1,126,084
Public airports	38	43	40
Also licensed for Customs	- 12	12	11
Private Airports	6	8	9
Intermediate aerodromes licensed		-	1
Intermediate aerodromes unlicensed	31	31	29
Auxiliary aerodromes	1	1	2
and	16	53	(21
	. (2)	9	,



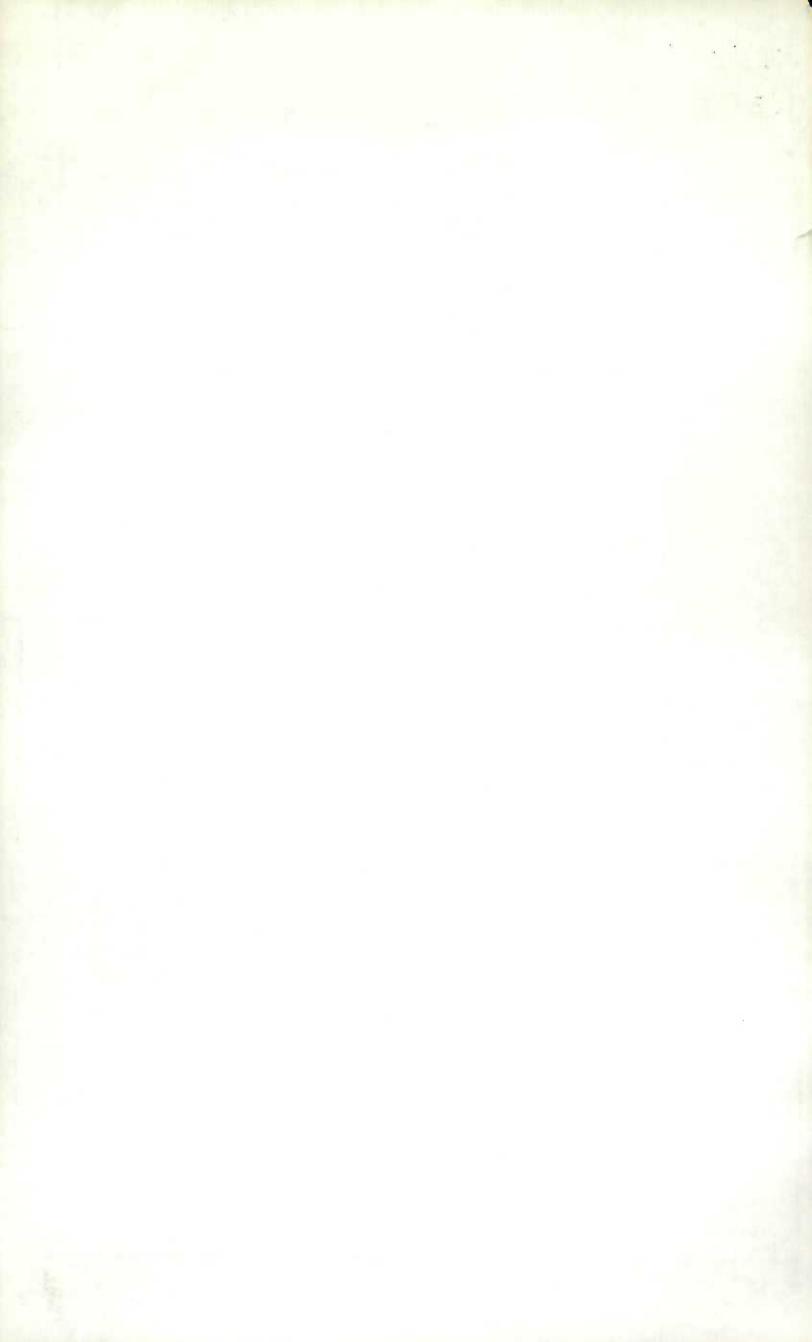
-6-STATISTICAL SUMMARY OF CIVIL AVIATION IN CANADA DECEMBER 31,1935, INCLUDING PROVINCIAL GOVERNMENT AIR SERVICES AND LIGHT AEROPLANE CLUBS

NATURE OF INFORMATION	1933	1934	1935
CIVIL AERODROMES (Cont'd)	36	13	e)
Private aerodromes	7 13 2 13 9 2	7 17 2 13 10 . 3	5 14 2 13 10 96
LICENSED CIVIL AIRCRAFT OPERATED BY TYPES (Commercial and Private)	113	136	
Aeroplanes (Wheels and skiis)	241 104 345	227 141 368	177 203 380
LICENSED CIVIL AIR PERSONNEL (Commercial & Private)			į
Commercial pilots	474 405 403 60	405 429 461 61	414 496 472 318



STATISTICAL SUMMARY OF CIVIL AVIATION (BY PROVINCES) FOR THE YEAR 1935, INCLUDING OPERATIONS BY THE PROVINCIAL GOVERNMENTS AND LIGHT AEROPLANE CLUBS

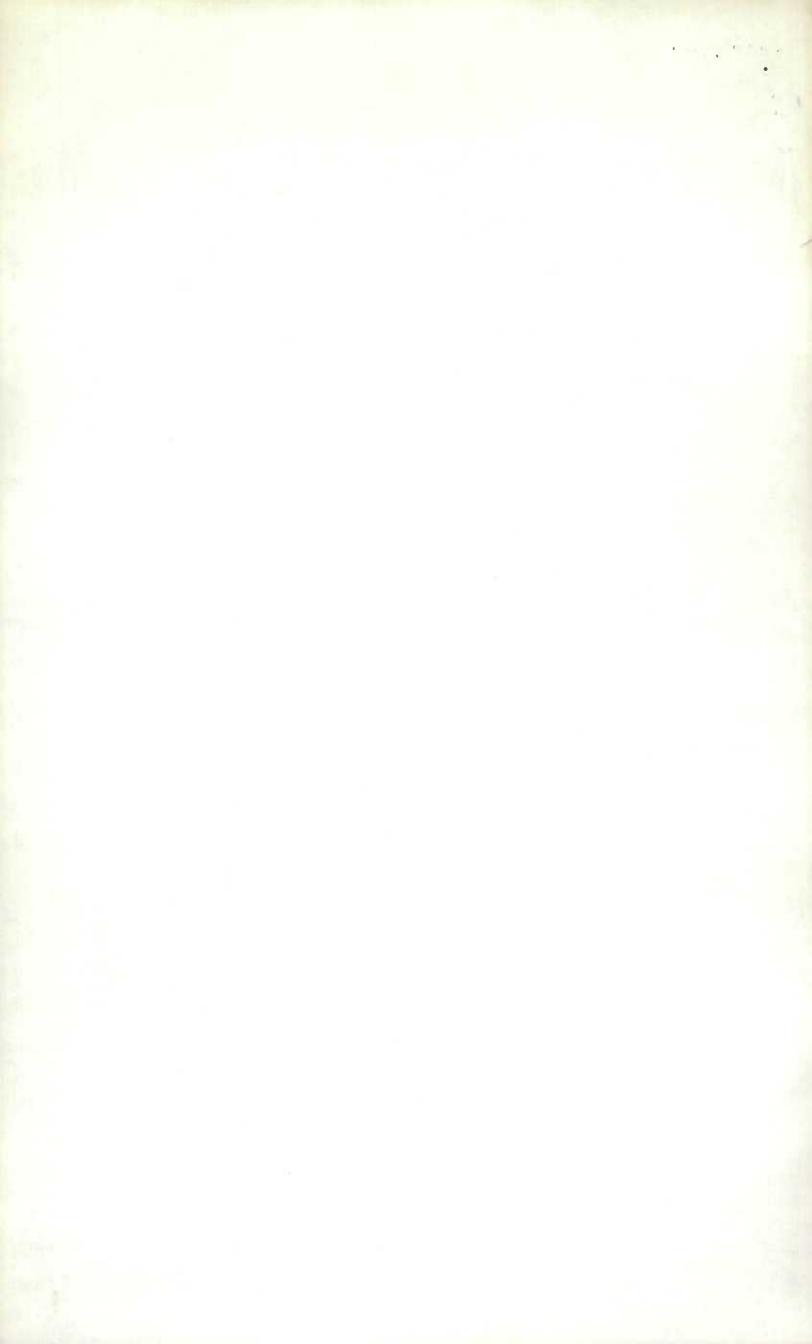
				NA	FURE OF			TIONS GAGET					- 8		
PROVINCE	Light Aeroplane	Number of firms Location of HQ.	Passenger carrying	hibi conn d Ex	Freight and Express	(1)	Air Fhotogra-	0.40	Mail	Advertising	Ulying Instruct- ion Firms & Clubs	Aircraft Flights	Aircraft Hours	Average flight duration (Hrs.Win.	
Northwest Territories and Yukon British Columbia Alberta	123210112	3 20 12 11 10 44 22 3 4	3 20 14 16 18 48 26 5 4 2	6 11	5 7 8 11 20 14 2	1 1 1 3 1 1	1 - 1	2 - 1 1 2	2 - 11 - 33111		- 6 4 5 4 17 2 2 2 -	3,419 14,477 6,083 11,360 20,167 64,358 25,131 2,656 4,582 978	3,818 8,241 5,111 6,552 14,310 31,396 16,778 1,095 1,611 539	1.07 .34 .50 .35 .43 .29 .40 .25	
TOTALS	22	130	56	2 31	75	9	2	6	15	2	40	153,211	89,451	.34	



STATISTICAL SUMMARY OF CIVIL AVIATION (BY PROVINCES) FOR THE YEAR 1935, INCLUDING OPERATIONS BY THE PROVINCIAL GOVERNMENTS - AND LIGHT AEROPLANE CLUBS.

	T	Passencer	es carried	1	Analysis of Transportation						
	Paying	Non- Pay- ing	Clubs including dual Instruct- ion	Total Pass. carried	Pilots carried 1 mile	Pass carried 1 mile	Total Persons carried 1 mile	Mail lbs.	Freight and Express	Total Freight Exp. or Mail carried lbs.	
Northwest Tarritories and Yukon British Columbia Albertaskatchewan Manitoba Ontario Ouebec New Brunswick Nova Scotia Prince Edward Island	24159 1135	624 1404 239 2016 748 9420 2493 64 41 44	1050 1900 1000 1000 8450 2000 1000 3600	2508 10275 7736 10032 20486 90413 28652 2199 4493 678	362252 744097 522172 596175 893084 2502965 1611352 102"64 139396 47845	510197 675463 319938 516866 1398884 2145135 2216901 60821 50730 41995	1419560 842110 1113061 2291958 4648100 3828253 163585 190126	119089 5751 12077 13026 201694 182294 404088 120842 219 109757	485762 713122 367907 961411 4138336 15076095 4693731 1870 -	604651 718873 379904 974437 4340033 15258789 5097819 32712 219 110747	
TOTALS	140379	17093	20000	177472	7522102	7936950	15459052	1168837	26439224	27608061	

13804 Town



LIGHT AEROPLANE CLUBS

	i la la Taranta	AIRCRAFT	MEMBERS UNDER HOURS	LICENSES OBTAINED
	MEMBERS	IN USE	INSTRUCTION FLOWN	PRIVATE - CONTERCIAL
1. Aero Club of B.C.	92	4	2 530.05	2 -
2. Brandon Aero Club	1 17	4	7 98.15	1 2
5. Brant & Norfolk Aero Club	116	4	13 688.30	6 2
4. Border Cities Aero Club	46	4	25 178.00	
5. Cape Breton Flying Club	104	8	64 861.45	6 1
6. Calgary Aero Club	66	2	45 330.20	7 -
7. Edmonton & Northern Alta. Aero Club	214	3	12 937.15	12
8. Fort William Aero Club	40	3	23 300.00	3 -
9. Halifax Aero Club	50	3	10 544.00	3 -
10. Hamilton Aero Club	117	3	7 613.00	5 -
ll. Flying Club of Kingston	114	3	16 716.45	12 -
12. Kitchener-Waterloo Flying Club	70	3	4 393.35	6 -
13. London Flying Club	111	4	91 1100.00	17 1
14. Montreal Light Aeroplane Club	144	5	13 795.10	1 1
15. Moose Jaw Flying Club	54	3	- 491.10	15
16. Ottawa Flying Club	75	3	32 740.05	12 1
17. Regina Flying Club	50	2	27 433.15	11 1
18. Saskatoon Acro Club	42	2	12 273.41	8 -
19. Saint John Flying Club	58	4	53 418.10	5 1
20. St. Catharines Flying Club	83	2	26 342.10	4 1
21. Toronto Flying Club	405	7	14 1752.10	20 2,
22. Winnipeg Light Aeroplane Club	327	5	40 1284.10	9 13/
TOTAL FOR 1935 - 12 MONTHS -	2,400	81	536 13,819.31	165 33
TOTALS FOR 1934 -	2,200	82	535 10,581.33	133 21
TOTALS FOR 1933 -	2,075	68	499 9,971.59	120 26
OTALS FOR 1932	2,703	68	872 10,450.55	129 27
TOTALS FOR 1931 -	2,915	72	673 11,507.32	111 48
OTALS FOR 1930 -	3,643	70	703 14,686.44	178 59
OTALS FOR 1929	5,233	65	904 16,612.50	175 58
TOTALS FOR 1928 -	2,403	34	598 8,124.30	111 28
	, , ,			



... IDENTS IN CIVIL AVIATION FOR YEARS

-10-

1950, 1934 AND 1935.

1933	1934	1935
10	7	7
6	5	10
3	2	1
		(
8	4	4
7	7	6
2	3	2
1	-	Reve
12	3	5
5	2	9
	2	1
	12	12
13	9	15
4,538,315	6,497,637	7,522,102
53,299	75,871	88,451
453,831	928,234	1,074,586
		12,636
		1,890,525
		3,761,056
378,193	2,165,879	1,504,420
	10 6 3 8 7 2 1 12 5 3 25 13 4,538,315 53,299 453,831 5,330 567,290 2,269,158 378,193	10 7 6 5 3 2 6 7 7 7 2 7 2 3 1 - 12 3 5 2 25 12 13 9 4,538,315 6,497,637 53,299 75,871 453,631 928,234 5,330 10,639 567,290 1,624,409 2,269,153 2,165,879

NOTE:- In classifying casualties to personne /include only the person in charge of the aircraft; operating crew includes co-pilot, pupil under instruction and engineer, navigator or radio operator actually on duty; passengers include all other persons on board; third parties include persons involved in accidents but not carried on board, e.g. spectators, volunteer or casual assistants.