

PART V.—AIR NAVIGATION.*

Aircraft furnish a rapid and convenient means of transportation for passengers and supplies to remote and unsettled areas. The use of aircraft has made it possible to obtain accurate information for the development and conservation of natural resources in parts of Canada that would otherwise have been practically inaccessible. Air-mail and air-transportation lines and commercial services are increasing steadily in number and in the scope of their operations and usefulness.

The treatment of air navigation in this part of the Year Book is confined to civil aviation; the military activities and organizations are dealt with under National Defence (see "Air Service" in the Index). The subject is introduced with a section dealing with the history and administrative control of civil aviation and this is followed by sections on facilities and equipment, finances and employees, and traffic, along the lines of the treatment adopted in this chapter for other forms of transportation.

The collection and compilation of statistics of civil aviation was transferred from the Branch of the Controller of Civil Aviation to the Bureau of Statistics in 1936. To preserve continuity with aviation statistics published in previous Year Books, a statistical summary of civil aviation for the years 1932 to 1937 is given below in Table 1. The statistics collected since 1936 have been somewhat enlarged and consequently no comparisons with similar data for previous years can be made for items appearing in other tables of this Part.

*Descriptive and administrative information has been prepared from material supplied by J. A. Wilson, Controller of Civil Aviation, Department of Transport, while statistics have been compiled by G. S. Wong, B.Sc., Chief of the Transportation and Public Utilities Branch of the Dominion Bureau of Statistics.

1.—Statistical Summary of Civil Aviation in Canada, 1932-37.

NOTE.—Figures for 1921-23 may be found at p. 616 of the 1924 edition of the Year Book, for 1924-29 at p. 661 of the 1930 edition, and for 1930 and 1931 at p. 698 of the 1936 Year Book. Dashes in this table indicate that no information was reported under the corresponding head for those years.

Item.	1932.	1933.	1934.	1935.	1936.	1937.
	No.	No.	No.	No.	No.	No.
General Analysis.						
Firms manufacturing aircraft.....	7	7	6	10	7	9
Firms chiefly operating aircraft.....	73	87	125	123	116	162
Firms using aircraft as auxiliary service.	4	3	3	7	12	10
Aircraft flights made.....	102,219	106,252	128,031	153,211	160,014	202,534
Aircraft hours flown.....	56,170	53,299	75,871	88,451	101,935	126,550
Total aircraft mileage.....	4,569,131	4,538,315	6,497,637	7,522,102	7,803,942	10,626,630
Average flight duration (minutes).....	33	30	36	34	38	37
Pilots carried.....	102,219	106,252	128,031	173,211 ¹	132,096 ¹	200,930 ¹
Passengers and crew carried.....	76,800	85,006	105,306	157,472 ²	118,660 ²	160,517 ²
Total personnel carried.....	179,019	191,258	233,337	330,683	250,756	361,447
Pilots carried one mile (pilot miles).....	4,569,131	4,538,315	6,497,637	7,522,102 ¹	9,753,690 ¹	14,179,486 ¹
Passengers and crew carried 1 mile (passenger miles).....	2,869,799	3,816,862	6,266,475	7,936,950 ²	10,105,936 ²	14,690,872 ²
Total personnel carried 1 mile (personnel miles).....	7,438,930	8,355,177	12,764,112	15,459,052	19,859,626	28,870,358
Total freight or express carried (lb.).....	3,129,974	4,205,901	14,441,179	17,615,910	25,387,719	26,205,766
Total mail carried (lb.).....	413,687	539,358	625,040	1,126,084	1,161,069	1,411,213 ³
Licensed Civil Air Harbours.						
Total air harbours (all types).....	83	90	101	96	155	155

For footnotes see end of table, p. 710.