

PART V.—AIR NAVIGATION.*

Aircraft furnish a rapid and convenient means of transportation for passengers and supplies in remote and unsettled areas where transportation otherwise is slow and very costly. Similarly, aircraft have provided a relatively cheap and feasible means of obtaining information for the development and conservation of natural resources in many parts of Canada where the cost by other means would be prohibitive. 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.—Summary Statistics of Civil Aviation in Canada, calendar years 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.

Item.	1932.	1933.	1934.	1935.	1936.	1937.
General Analysis.						
Firms manufacturing aircraft.....No.	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	190,403 ¹
Aircraft hours flown....."	58,170	63,299	75,871	88,451	101,953	126,896 ¹
Total aircraft mileage flown....."	4,569,131	4,538,315	6,497,637	7,522,102	7,803,942	10,755,524 ¹
Average flight duration.....min.	33	30	36	34	38	40 ¹
Pilots carried.....No.	102,219	106,252	128,031	153,211 ¹	160,014 ¹	190,403 ¹
Passengers and crew carried....."	76,800 ¹	85,006	105,306 ¹	177,472 ¹	127,937 ¹	168,652 ¹
Total personnel carried....."	179,019	191,258	233,337	330,683 ¹	287,951 ¹	359,055 ¹
Pilots carried one mile (pilot miles)....."	4,569,131	4,538,315	6,497,637	7,522,102	7,803,942	10,755,524 ¹
Passengers and crew carried one mile (passenger miles)....."	2,869,799	3,816,862	6,266,475	7,936,950	12,055,684	17,695,591 ¹
Total personnel carried one mile (personnel miles)....."	7,438,930	8,355,177	12,764,112	15,459,052	19,869,626	28,451,115 ¹
Total freight or express carried.....lb.	3,139,974	4,205,901	14,441,179	17,615,910	25,387,719	26,279,156 ¹
Total mail carried (postal contracts)....."	413,687	539,358	625,040	1,126,084	1,161,069	1,450,473 ¹
Licensed Civil Air Harbours.						
Air harbours (all types).....No.	83	90	101	90	155	158

For footnotes, see end of table, p. 703.