

AVRO ARROW (CF 105)

Researchers interested in the history and development of the Avro Arrow should be aware of the following books on this subject before undertaking archival research:

- ✓ Murray Peden, Fall of An Arrow (Stittsville, Ont.: Canada's Wings, 1978)
- James Dow, The Arrow (Toronto, Ont.: James Lorimer, 1979)
- ✓ Edith K. Shaw, There Never Was An Arrow (Toronto, Ont.: Steel Rail Educational Publications, 1979)
- ✓ Avro Arrow: The Story of the Avro Arrow from Its Evolution to Its Extinction (Cheltenham, Ont.: Boston Mills Press, 1980)
- ✓ Greig Stewart, Shutting Down the National Dream: A.V.Roe and the Tragedy of the Avro Arrow (Scarborough, Ont.: McGraw-Hill Ryerson, 1988)

Additional information in printed sources can be found in the following:

House of Commons Debates (Hansard), 1957-1959

House of Commons, Sessional Paper 217/1957
(RG 14, vol. 650)

House of Commons, Sessional Papers 198 a, b, c and d/1959
(RG 14, vols. 837-838)

Records relating to the Avro Arrow created by the Department of National Defence and in the custody of the Government Archives Division of the National Archives are listed below. The following abbreviations have been used: RG = Record Group; vol. = volume; acc. = accession).

Operational Requirements - Systems Evaluation - Arrow, 1955-1958
(RG 24, vol. 18166, file S 983-11)

Training Aids - Ex Audio Visual - Operator Trainers -
Operational Flight and Tactics Trainers - Arrow, 1955-58
(RG 24, acc. 83-84/167, box 6219, file 0074-4-38CN)

Training Aids - Ex Audio Visual - Operator Trainers -
Operational Flight and Tactics Trainers - Arrow, 1956-59

(RG 24, acc. 83-84/167, box 6225, file 0074-104-38CN)

Arrow Armament Sub Committee, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file HQS 801-100-A125)

Arrow - DND Public Relations File
(RG 24, vol. 20054)

Training Aids - Ex Audio Visual - Technician Trainers -
Aircraft Systems Trainers - Arrow, 1956-1959
(RG 24, acc. 83-84/167, box 6231, file 0075-3-38CN)

Research Projects - Emergency Runway Barrier - Arrow -
Project 58/35, 1958-1959
(RG 24, acc. 83-84/049, box 4100, file 1905-58-35)

Committees - Arrow Steering Committee, 1955-1957
(RG 24, acc. 83-84/216, box 2474, file 801-A119)

Committees - Arrow Project Committee, 1957
(RG 24, acc. 83-84/216, box 2474, file 801-A120)

Committees - Arrow Training Aids Sub-committee, 1955-1957
(RG 24, acc. 83-84/216, box 2474, file 801-A123)

Committees - Arrow Flight Test Advisory Committee, 1958
(RG 24, acc. 83-84/216, box 2474, file 801-A128)

Arrow Aircraft Development Steering Committee, 1953-1955
(RG 24, acc. 83-84/216, box 2506, file S 801-100-A104)

Arrow Aircraft Committees - General, 1954-1958
(RG 24, acc. 83-84/216, box 2506, file S 801-100-A105)

Arrow Development Coordinating Committee, 1955-1957
(RG 24, acc. 83-84/216, box 2506, file S 801-100-A106, parts 1-2)

Ad Hoc Arrow Development Coordinating Committee, 1957
(RG 24, acc. 83-84/216, box 2506, file S 801-100-A107)

Arrow Aircraft Coordinating Committee, 1955-1957
(RG 24, acc. 83-84/216, box 2507, file S 801-100-A108)

Arrow Aircraft Maintenance Advisory Committee, 1954-1959
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A109, pts.1-2)

Arrow Aircraft Maintenance and Servicing Sub-committee, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A110)

Arrow Aircraft Sub-committee for Aerodynamics and Structural Testing, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A111)

Arrow Sub-committee for Readiness Equipment, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A112)

Arrow Instrumentation and Guidance Sub-committee, 1954-1957
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A113)

Arrow Cockpit Sub-committee, 1954-1957
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A114)

Arrow Flight Test Sub-committee, 1956-1957
(RG 24, acc. 83-84/216, box 2508, file C 801-100-A115)

Arrow Ground Support Equipment Sub-committee, 1956-1957
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A116)

Arrow - RCA Steering Committee, 1956-1957
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A117)

Arrow Sub-steering Committee, 1957
(RG 24, acc. 83-84/216, box 2507, file S 801-100-A118)

Arrow Weapon Steering Committee, 1955-1957
(RG 24, acc. 83-84/216, box 2507, file S 801-100-A121)

Arrow Weapon System Coordinated Projects Programming Committee, 1958
(RG 24, acc. 83-84/216, box 2507, file S 801-100-A122)

Arrow Electronics Sub-committee, 1957
(RG 24, acc. 83-84/216, box 2507, file C 801-100-A124)

Arrow Armament Sub-committee, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A125)

Arrow Sub-committee ...
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A126)

Arrow Associate Contractor Coordinating Committee, 1958
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A127)

Ad Hoc Arrow Weapons System Flight Test Advisory Committee, 1958
(RG 24, acc. 83-84/216, box 2508, file C 801-100-A129)

Arrow Operational Proving Committee, 1958
(RG 24, acc. 83-84/216, box 2508, file C 801-100-A133)

Minutes of Meetings - CF105 Sub-committee, 1954-1957
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A135)

Minutes of Meetings - CF105 Sub-committee for Readiness Equipment, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A135)

Minutes of Meetings - CF105 Sub-committee on Maintenance and Servicing, 1954-1956
(RG 24, acc. 83-84/216, box 2508, file S 801-100-A135)

* Arrow Weapon System, 1958-1959
(RG 24, acc. 83-84/167, box 6422, file 1038CN-78)

CF105 Arrow - Electronic System, 1957-1962
(RG 24, acc. 83-84/167, box 6422, file 1038CN-79, pts. 1-9)

Arrow Aircraft - Electronic System - Visits and Trips on the Astra Program, 1957-1958
(RG 24, acc. 83-84/167, box 6422, file 1038CN-79-1)

Arrow Aircraft - Equipment and Supplies - General, 1955-1962
(RG 24, acc. 83-84/167, boxes 6422-6423, file 1038CN-80, pts. 1-8, 10-11)

Arrow Aircraft - Equipment - Procurement, 1955-1959
(RG 24, acc. 83-84/167, box 6423, file 1038CN-81)

Arrow Aircraft - Equipment - Telecommunications Installations, 1955-1960
(RG 24, acc. 83-84/167, box 6423, file 1038CN-82, pts. 1-2)

Arrow Aircraft - Equipment - Armament Installations, 1956-1959
(RG 24, acc. 83-84/167, box 6423, file 1038CN-83)

Arrow Aircraft - Equipment - Overhaul, Maintenance and Repair, 1956-1958
(RG 24, acc. 83-84/167, box 6423, file 1038CN-84)

Arrow Aircraft - Pilots' Operating Instructions, 1958
(RG 24, acc. 83-84/167, box 6423, file 1038CN-85)

Arrow Aircraft - Instruments and Automatic Controls, 1956-1959
(RG 24, acc. 83-84/167, box 6423, file 1038CN-89, pts. 1-3)

Arrow Aircraft - Weapons System, 1957-1959
(RG 24, acc. 83-84/167, box 6425, file S 1038CN-178, pts.1-2)

Arrow Aircraft - Electronic System, 1956-1959

(RG 24, acc. 83-84/167, box 6425, file S 1038CN-179, pts. 1-7)

* CF105 Arrow Aircraft - General, 1952-1962

(RG 24, acc. 83-84/167, boxes 6426-6429, file S 1038CN-180, pts.1-26)

Arrow Aircraft - General - AAEM Local Correspondence, 1955-1959
(RG 24, acc. 83-84/167, boxes 6429-6433, file S 1038CN-180A, pts. 2-27)

Arrow Aircraft - Equipment Procurement, 1954-1959
(RG 24, acc. 83-84/167, box 6433, file S 1038CN-181, pts. 1-2)

Arrow Aircraft - Telecommunications Installations, 1953-1958
(RG 24, acc. 83-84/167, box 6433, file S 1038CN-182, pts. 1-5)

Arrow Aircraft - Armament Installations, 1953-1959
(RG 24, acc. 83-84/167, boxes 6434-6435, file S 1038CN-183, pts. 1-10)

Arrow Aircraft - Armament Installation - Sparrow II, 1955-1958
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-1, pts. 1-2)

Arrow Aircraft - Armament Installation - Fire Control System, 1957-1959
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-2)

Arrow Aircraft - Armament Installation - Missile Auxiliaries, 1957-1959
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-3)

* Arrow Aircraft - Armament Installation - Missile pack, 1958-1959
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-4)

Arrow Aircraft - Armament Installation - Genie Installation, 1957-1959
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-5)

Arrow Aircraft - Armament Installation - 1 R Sub-system, 1957-1963
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-183-6)

* Arrow Aircraft - Equipment - Repair, Overhaul and maintenance, 1954-1963
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-184)

Arrow Aircraft - Pilots' Operating Instructions, 1958-1959
(RG 24, acc. 83-84/167, box 6435, file S 1038CN-185)

Arrow Aircraft - Equipment - Progress Reports, 1954-1958
(RG 24, acc. 83-84/167, box 6436, file S 1038CN-186)

Arrow Aircraft - Equipment - Instruments and Automatic Controls, 1954-1958
(RG 24, acc. 83-84/167, boxes 6436-6437, file S 1038CN-189, pts. 1-12)

Arrow Aircraft - Instruments - Navigation, 1958
(RG 24, acc. 83-84/167, box 6437, file S 1038CN-189-1)

Arrow Aircraft - Automatic Flight Control System, 1958
(RG 24, acc. 83-84/167, box 6437, file S 1038CN-189-2)

Arrow Aircraft - Cockpit Instruments, 1957-1959
(RG 24, acc. 83-84/167, box 6437, file S 1038CN-189-3)

Arrow Aircraft - Lighting Instruments, 1958
(RG 24, acc. 83-84/167, box 6437, file S 1038CN-189-4)

The records of the Department of Defence Production (RG 49) in the custody of Government Archives Division also contain a number of files relating to the Avro Arrow. These are listed below. Please note that only the most obvious references have been listed, i.e., RG 49 contains additional files relating to A.V. Roe Ltd., Orenda Engines Ltd and so on.

Radar and Asdic Equipment in CF-105, 1954-1958
(RG 49, vol. 298, file 152-4-3, pts. 1-2)

Chief Aeronautical Engineer - CF-105 Aircraft and PS 13 Engine Program, 1955-1956
(RG 49, vol. 423, file 159-29-6-1)

CF-105 Aircraft and PS 13 Engine Program - Funding and Schedule, 1956
(RG 49, vol. 423, file 159-29-6-2)

CF-105 Aircraft Cost Group, 1955
(RG 49, vol. 423, file 159-29-6-3)

CF-105 Aircraft - Electronic and Control System Proposals, 1955-1956
(RG 49, vol. 423, file 159-29-6-4)

CF-105 Aircraft Meetings - Electronic System Co-ordinators, 1956
(RG 49, vol. 423, file 159-29-6-4-1)

Meetings - CF-105 Aircraft Damping System, 1956
(RG 49, vol. 423, file 159-29-6-5)

? A.V.Roe - Arrow Test Facilities, Contracts, Production Modifications, 1952-1962
? (RG 49, vol. 430, file 159-R1, pts. 1-2)

Arrow Weapons System - Project Office, 1957-1959
(RG 49, vol. 431, file 159-RA-2)

Arrow Weapons System - Programming Committee, 1957-1959
(RG 49, vol. 431, file 159-RA-2-1)

Flight Tests and Instrumentation, 1954-1957
(RG 49, vol. 432, file 159-RA-7, pts. 1-2)

Contract Settlement Committee - Policy - Arrow, 1959-1963
(RG 49, vols. 781-782, file 207-6-3, pts. 1-5)

Contract Settlement Committee - Arrow Policy - Severance Pay, 1959-1963
(RG 49, vol. 782, file 207-6-3/3)

Contract Settlement Committee - Arrow Policy - Pension Plan, 1960-1961
(RG 49, vol. 782, file 207-6-3/4)

Avro Aircraft Ltd., 1951-1965
(RG 49, vol. 5, file 159-RA-1, pts. 1-5)

Avro Aircraft Ltd. - Surplus Material, 1952-1965
(RG 49, vol. 5, file 159-RA-13, pts. 1-2)

Avro Sub-contractors - Profit Limitations, 1955-1964
(RG 49, vol. 6, file 159-RA-26)

Arrow Pre-termination Inventories, 1959-1962
(RG 49, vol. 6, file 159-RA-32, pts. 1-3)

Inventories Resulting from Arrow Termination, 1959-1960
(RG 49, vols. 6-8, file 159-RA-32-A3, pts. 1-13)

Dowty Equipment of Canada Ltd. - Inventories Resulting from Arrow Termination, 1960-1961
(RG 49, vol. 9, file 159-RA-32-D8)

Garrett Manufacturing Corp. - Inventories Resulting from Arrow Termination, 1960-1961
(RG 49, vol. 9, file 159-RA-32-G2, pts. 2-3)

B.F. Goodrich - Inventories Resulting from Arrow Termination, 1960-1962
(RG 49, vol. 9, file 159-RA-32-G6)

Jarry Hydraulics - Inventories Resulting from Arrow Termination, 1960-1968
(RG 49, vol. 9, file 159-RA-32-J2)

Orenda Engines Ltd. - Iroquois Pre-termination Inventories, 1959-1963
(RG 49, vol. 11, file 159-RO-18)

Orenda Engines Ltd. - Inventories Resulting from Arrow Termination, 1959-1962
(RG 49, vol. 11-12, file 159-RO-18-O2, pts. 1-7)

Orenda Engines Ltd. - Iroquois Termination - General, 1959-1962
(RG 49, vol. 12, file 159-RO-02-1)

CF-105 Co-ordinating Committee, 1954-1957
(RG 49, vol. 432, file S159-RA-7, pts. 1-2)

Avro Aircraft - Employment, Layoffs and Overtime, 1952-1959
(RG 49, vol. 433, file 159-RA-15)

* CF-105 Aircraft - General, 1957-1960
(RG 24, vol. 433, file 159-RA-17)

A.V. Roe - Contract Expenditures and Financial Limitations, 1957-1959
(RG 49, vol. 433, file 159-RA-20)

Arrow Armament, 1957-1958
(RG 49, vol. 433, file 159-RA-21)

Arrow Armament - IES Preproduction, 1958
(RG 49, vol. 433, file 159-RA-21-1)

Visits to and from A.V. Roe Plants, 1952-1958
(RG 49, vol. 434, file 159-RI-8)

A.V.Roe - Profit Allowance, 1952-1960
(RG 49, vol. 434, file 159-RI-11)

Orenda Engines - Forecast Estimates and Expenditures, 1953-1959
(RG 49, vol. 434, file 159-RO-5, pts. 1-2)

Orenda Engines - Co-ordinating Committee, 1956-1957
(RG 49, vol. 434, file 159-RO-7)

Orenda Engines - Iroquois Co-ordinating Committee, 1957
(RG 49, vol. 434, file 159-RO-7-1)

Orenda Engines - Steering Committee, 1953-1957
(RG 49, vol. 434, file 159-RO-8)

Orenda Engines - Specifications, 1953-1957
(RG 49, vol. 434, file 159-RO-9)

* CF-105 Aircraft - Scheduling and Planning, 1955-1958
(RG 49, vol. 443, file 161-4-9, pts. 1-2)

CF-105 Aircraft - Scheduling of Requirements, 1957-1958
(RG 49, vol. 443, file 161-4-9-1)

CF-105 Aircraft - Scheduling of Requirements - GSM Listings, 1956-1958
(RG 49, vol. 443, file 161-4-9-1-1)

CF-105 Aircraft - Scheduling and Planning - Specifications, 1956
(RG 49, vol. 443, file 161-4-9-2)

Cabinet Conclusions (RG 2) on the subject of the Avro Arrow are listed below. Where relevant, Cabinet documents are cited in the Conclusions.

Vol.	Date	Description
2656	24/11/54	Cabinet Defence Cttee Report (including reference to CF 105)
2657	08/03/55	Pre-production Programme for supersonic fighter (CF 105) and development of PS-13 engine
2657	23/03/55	R.C.A.F. Development of CF 105
2658	28/09/55	Cabinet Defence Cttee Report (including reference to CF 105)
2659	07/12/55	National Defence; Policy on aircraft development, CF 105
5775	15/08/56	Cabinet Defence Cttee Report (including reference to CF 105)
1892	17/02/57	Cabinet Defence Cttee Report (including reference to CF 105)
1893	20/09/57	Cabinet Defence Cttee Report
1893	24/10/57	A.V. Roe Canada
1893	25/10/57	A.V. Roe Canada

1893	29/10/57	A.V. Roe Canada
1899	28/08/58	Air Defence Requirements; recommendations of Cabinet Defence Cttee
1899	03/09/58	Air Defence Requirements; recommendations of Cabinet Defence Cttee
1899	07/09/58	Air Defence Requirements; recommendations of Cabinet Defence Cttee
1899	21/09/58	Air Defence Requirements; recommendations of Cabinet Defence Cttee
1899	27/11/58	Statements of Air Marshal Slemon at NORAD Headquarters
1899	02/12/58	Statements of Air Marshal Slemon at NORAD Headquarters
1899	22/12/58	Air Defence Requirements; recommendations of Cabinet Defence Cttee
2744	The Avro Arrow was discussed at the following Cabinet meetings in 1959: 13 and 28 January; 3, 4, 10, 14, 17, 19, 23, 26, and 27 February; and 14 May.	
2745	The Avro Arrow was discussed at the following Cabinet meetings: 19 and 30 June; 2 and 7 July.	

Compiled by Glenn Wright, April 1989, with assistance from Paul Marsden and David Smith; updated by GW, Feb.1990.