

The National Aerospace Library

Royal Aircraft Establishment (RAE) Reports

"The technical and economic feasibility of building and operating supersonic airliners has been discussed for some years and there is now a growing conviction that such aircraft will come within the next decade ..." noted Dietrich Küchemann in August 1962 at the beginning of Royal Aircraft Establishment (RAE) Technical Memorandum No Aero 767.

This report is one of a large collection of over 2,500 technical reports of the former Royal Aircraft Establishment (RAE) which has been presented to the National Aerospace Library by BAE Systems Heritage at Farnborough.

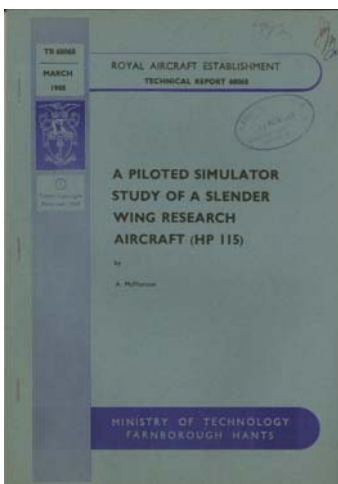
These reports (which originally had been held at the company site libraries of Airspeed, de Havilland, Hawker Siddeley etc.) date from c.1940s-1990s and record the RAE's pioneering research over the decades in the fields of aerodynamics, avionics, materials,

structures among other areas, the majority of the collection being from the following report series:

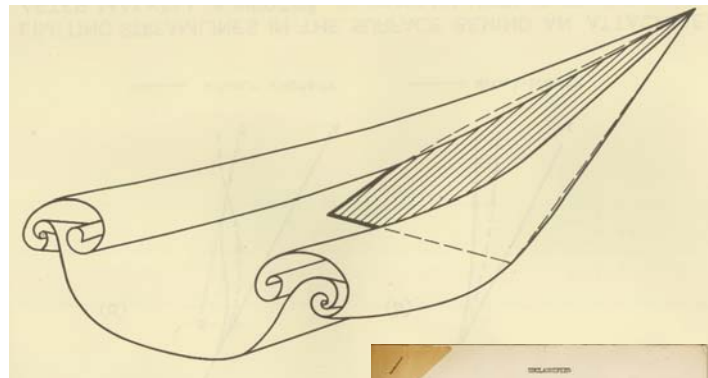
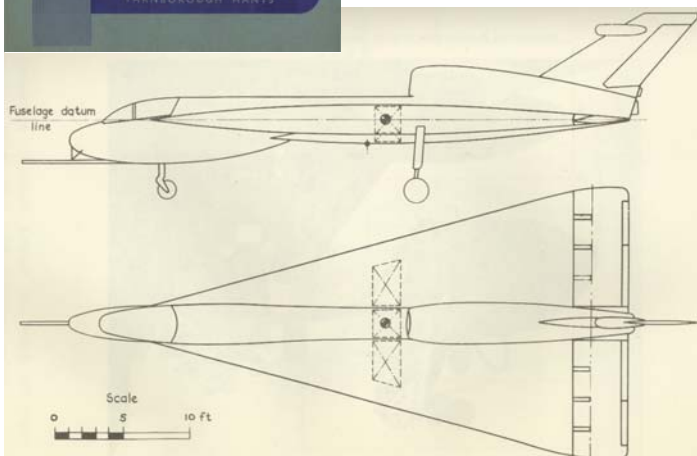
- RAE Aero Report
- RAE Aero Tech Memo
- RAE Aero Tech Note
- RAE Library Translation (Lib Trans)
- RAE Technical Report (TR)

Also a large selection of reports from a number of the other RAE report series are held including:

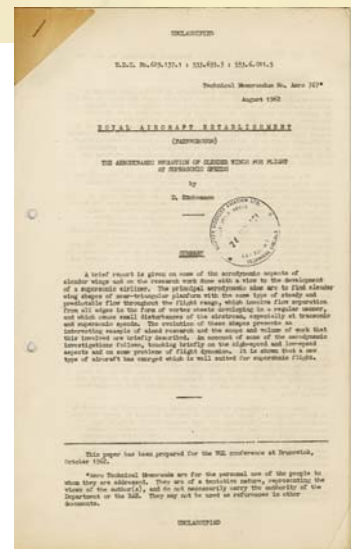
- A&P Tech Memo
- Aero Department Note
- ARM Tech Note
- AVIONICS Tech Memo
- BL Tech Note
- BLEU Tech Memo [Blind Landing Experimental Unit]
- BLEU Tech Note [Blind Landing Experimental Unit]
- CAARDP Tech Memo [Civil Aircraft Airworthiness Data Recording Programme]
- CHEM Report
- CHEM Tech Note
- CPM Report
- CPM Tech Memo
- CPM Tech Note
- DD Report
- DIR Tech Memo
- EL Tech Note
- EP Tech Memo
- GAS Tech Note
- GW Report



Below: Figure 1, general arrangement of Handley Page HP115 from 'A piloted simulator study of a slender wing research aircraft (HP115)' by A. McPherson. RAE Tech Report 68068, March 1968 (left).



Above: Figure 2, model of the flow past a lifting slender wing. After R.L. Maltby from 'The aerodynamic evolution of slender wings for flight at supersonic speeds' by D. Küchemann. RAE Tech Memo No Aero 767, August 1962 (right).



- GW Tech Note
- IEE Tech Memo
- IEE Tech Note
- INSTN Report
- IR Tech Memo
- IR Tech Note
- IT Tech Memo
- Library Bibliography (BIB'Y)
- Library Memo
- M&S Tech Memo
- MS Tech Note
- MAT Tech Memo
- MAT/STR Tech Memo
- MATH Tech Memo
- MATH Tech Note
- MATH-COMP Tech Memo
- ME Deptl Memo
- MECH ENG Tech Note
- MET Tech Note
- MET PHYS Tech Note
- NAVAL Tech Memo
- NAVAL Tech Note
- RAD Tech Memo
- RAD Tech Note
- RAD-NAV Tech Memo
- RPD Tech Note
- SME Report
- SPACE Tech Memo
- SSME Deptl Note
- Acc Structures Internal Memorandum
- Structures Report
- Structures Tech Memo
- Structures Tech Note
- Structures Test Note
- TD Tech Note
- WE Tech Note

RAE technical reports are often difficult to trace and hopefully the National Aerospace Library's holdings of these reports will help

to make them more available to researchers.

Over 40,000 technical reports from aeronautical research establishments around the world (including AGARD/ARC/ARL/DLR/ESA/ESRO/FFA/ISAS/NACA/NASA/NLR/NRC/ONERA/TAE/UTIAS and some of the major RAE technical report series) are now held for reference at the National Aerospace Library and for any enquiries regarding this material, please contact the librarians at Farnborough (Tel: +44 (0)1252 701038/701039; e-mail: hublibrary@aerosociety.com)

The National Aerospace Library archive is located at Farnborough Business Park in the former Royal Aircraft Establishment (RAE) Q134 Weapon Aerodynamics building now known as 'The Hub' (which is next door to the Q121 building which houses the listed 24ft Low Speed Wind Tunnel erected in 1929), and complements the existing Library collections and service at the Royal Aeronautical Society's headquarters at No.4 Hamilton Place in London.