

ROYAL AIR FORCE MUSEUM
Department of Research and Information Services

Accession List

AC93/14 Papers of Mr E.J. Davis, 1924-1993

Mr E.J. Davies was previously a member of the design team at Supermarine Limited.

The collection includes certificates, files, correspondence, cuttings, notes and drawings.

Object Number	AC93/14/1
Title	Certificate of associate fellowship of the Royal Aeronautical Society of Harold Henry Holmes, 3 April 1929
Maker Name	Royal Aeronautical Society
Maker Role	Issuing Authority
Production Date	03 April 1929
Brief Description	Large format certificate rolled-up, and accompanying letter on Royal Aeronautical Society headed paper.

Object Number	AC93/14/2
Title	File entitled "H.H. Holmes papers": Manuscript notes concerning aerodynamics, 1928-1929
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File of notes on aerodynamics taken by Holmes while attending evening classes at University College Southampton.
Production Date	1928-1929
Brief Description	Collection of manuscript sheets and graphs with a badly damaged brown coversheet. No back to file.

Object Number	AC93/14/3
Title	File entitled "H.H. Holmes position of work in hand 17/6/42", largely concerned with the Supermarine Type 322, 17 June 1942
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File of notes on work in hand, with references to alloys in use on the Sea Otter, areas on the Spitfire V floatplane needing attention and aerodynamic loads experienced by the wing of the Type 322 (S.24/37) "Dumbo".
Production Date	17 June 1942
Brief Description	Two typescript and seven manuscript sheets in a beige folder.
Object Number	AC93/14/4
Title	File entitled "Performance comparisons-Sikorsky S42, Martin 130, Supermarine Types 232 and 302", circa 1935
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File of notes, forms and graphs comparing relative performance values for the four aircraft in question. No conclusions are drawn. NB: Supermarine Type 302 was a flying-boat powered by four Persus PRE-IM engines designed in November 1934 for Imperial Airways.
Production Date	Circa 1935
Brief Description	Manuscript sheets and graphs in a beige folder with the title written on in pencil.
Object Number	AC93/14/5
Title	File concerning the Supermarine Seagull, circa 1948-1952
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File of notes and graphs about the aerodynamic structural loads and affecting the Supermarine Seagull's wing. Also contains results of tests with flaps and slats and the location of the wing ribs.
Production Date	Circa 1948-Circa 1952
Brief Description	File of manuscript and typescript sheets and graphs in a beige folder with the original title written on, and then crossed out, in pencil.

Object Number	AC93/14/6
Title	File concerning the Supermarine Stranraer, circa 1950s
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File of notes giving general details of the Supermarine Stranraer and a programme of tests for the coming week.
Production Date	Circa 1950s
Brief Description	File of manuscript sheets in a beige folder with red text on the cover.
Object Number	AC93/14/7
Title	File concerning the Supermarine Type 322 Dumbo, circa 1941
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	Supermarine Test Department report No. 3128. Gives details of how to overcome wing bending problems with particular reference to the S.24/37, (Supermarine Type 322 "Dumbo").
Production Date	Circa 1941
Brief Description	File of manuscript sheets, one typescript and several fold-out tables in a beige folder.
Object Number	AC93/14/8
Title	File providing miscellaneous data on various aircraft components, circa 1920s-1940s
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	Compilation of documents relating to miscellaneous items of aircraft fittings such as bolts and tubing sections.
Production Date	Circa 1920s-Circa 1940s
Brief Description	File of bound graphs, blueprints, drawings and tables.
Object Number	AC93/14/9
Title	File entitled "Design data A-N", 1930s-1940s
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	Alphabetised folder listing references of where to find information on certain areas of engineering.
Production Date	1930s-1940s
Brief Description	File of manuscript sheets arranged with alphabetised tabs for quick reference in a beige folder.

Object Number	AC93/14/10
Title	File entitled "Design data N-Z", 1930s-1940s
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	Alphabetised folder listing references of where to find information on certain areas of engineering.
Production Date	1930s-1940s
Brief Description	File of manuscript sheets arranged with alphabetised tabs for quick reference in a beige folder.
Object Number	AC93/14/11
Title	File entitled "Weight", 1930s-1940s
Maker Name	Harold Holmes
Maker Role	Compiler
Content Note	File gives information on weights of certain parts of Supermarine aircraft and standard off the shelf parts such as tie-rods and sheet metal.
Production Date	1930s-1940s
Brief Description	File of manuscript sheets, some on Folland Aircraft Company headed notepaper, bound in a green folder with red text.
Object Number	AC93/14/12
Title	File entitled "Strength", 1930s-1940s
Maker Name	Harold Holmes, The Aeroplane
Maker Role	Compiler, Publisher
Content Note	File gives information on structural strengths of bolts, piano wire, steel tubing etc.
Production Date	1930s-1940s
Brief Description	File of graphs, tables and extracts from The Aeroplane bound in a red folder with blue text.
Object Number	AC93/14/13
Title	File of correspondence between E.J. David and Jack Rasmussen with regard to Supermarine employees who worked on the Spitfire, 1981
Content Note	File of correspondence and transcript of conversation with regard to Supermarine employees who worked on the design of the Spitfire.
Production Date	1981
Brief Description	Two typescripts, one manuscript letter and a manuscript list.

Object Number	AC93/14/14
Title	Press cutting of obituary for Capt H.C. Baird, 28 January 1966
Maker Name	Southern Evening Echo
Maker Role	Publisher
Content Note	Press cutting obituary of Captain Henri Charles Baird, Supermarine test pilot and 1922 Schneider trophy winner.
Production Date	28 January 1966
Brief Description	Press cutting.
Object Number	AC93/14/15
Title	Correspondence between Mr E.J. Davis and Mr Barrie Bryant with regard to Barrie Bryant's time working with Supermarine, 1993
Maker Name	E. Davis, Barrie Bryant
Maker Role	Author, Author
Content Note	Correspondence covers Barrie Bryant's time working in the design department at Supermarine, with particular reference to the Spitfire.
Production Date	1993
Object Number	AC93/14/16
Title	Correspondence between Mr E.J. Davis and Dion Houghton, including a copy of the memoirs of Bill Hoad, circa 1989-1993
Maker Name	E. Davis, Barrie Bryant, Bill Hoad
Maker Role	Author, Author, Author
Content Note	Correspondence relates to the staff working in the design department at Supermarine, with particular reference to the Spitfire. Includes the memoirs of Bill Hoad who worked in the drawing office.
Production Date	Circa 1989-Circa 1993
Brief Description	File of manuscript and typescript letters, photocopy of manuscript memoir, diagrams, lists, a copy of a periodical and a monochrome print.

Object Number	AC93/14/17
Title	Correspondence between Mr E.J. Davis and Mr A.N.Clifton, 1976-1991
Maker Name	E. Davis, Alan Clifton, Norman Barfield
Maker Role	Author, Author, Author
Content Note	Correspondence relates to the staff working in the design department at Supermarine, with particular reference to the Spitfire. Includes an obituary of Mr Clifton.
Production Date	1976-1991
Brief Description	Two typescript and two manuscript letters and a published item cutting.
Object Number	AC93/14/18
Title	Correspondence between Mr E.J. Davis and Mr E. Lovell-Cooper, 1977-1988
Maker Name	E. Davis, Eric Lovell-Cooper
Maker Role	Author, Author
Content Note	Correspondence relates to the staff working in the design department at Supermarine, with particular reference to the Spitfire.
Production Date	1977-1988
Brief Description	File of typescript and manuscript letters and a newspaper cutting.
Object Number	AC93/14/19
Title	Correspondence between Mr E.J. Davis and Mr H.B.D. Axtell, 1978-1989
Maker Name	E. Davis, Bert Axtell
Maker Role	Author, Author
Content Note	Correspondence relates to the staff working in the design department at Supermarine, with particular reference to the Spitfire.
Production Date	1978-1989
Brief Description	File of typescript and manuscript letters and photocopied articles.

Object Number	AC93/14/20
Title	Correspondence between Mr E.J. Davis and Mr Roger S. Dixon, 1975-1981
Maker Name	E. Davis, Roger Dixon, Royal Aeronautical Society
Maker Role	Author, Author, Publisher
Content Note	Correspondence relates to the staff working in the design department at Supermarine, with particular reference to the Spitfire. Also includes an obituary for Dixon.
Production Date	1975-1981
Brief Description	File of typescript and manuscript letters, forms, photocopies and a press cutting.
Object Number	AC93/14/21
Title	Correspondence between Mr E.J. Davis and Sir Oliver Simmonds, 1977-1988
Maker Name	E. Davis, Oliver Simmonds, Royal Aeronautical Society
Maker Role	Author, Author, Publisher
Content Note	Correspondence relates to the staff working in the design department at Supermarine. Also includes an obituary for Simmonds taken from "Aerospace".
Production Date	1977-1988
Brief Description	Three typescript letters and a published material cutting.
Object Number	AC93/14/22
Title	Correspondence between Mr E.J. Davis and Mr Harold Holmes, 1976-1980
Maker Name	E. Davis, Harold Holmes
Maker Role	Author, Author
Content Note	Correspondence relates to the staff working in the design department at Supermarine.
Production Date	1976-1980
Brief Description	File of typescript and manuscript letters.

Object Number	AC93/14/23
Title	Collection of cuttings and other documents relating to Supermarine and Sqdn Ldr H.J. Payn, 1924-1977
Maker Name	Harold Holmes, Southern Evening Echo, Supermarine Aviation Works Limited
Maker Role	Compiler, Publisher, Issuing Authority
Content Note	Collection comprises: Four newspaper cuttings relating to Supermarine Aviation Works Ltd, a letter from Supermarine to Harold Holmes informing him that he has been taken on, a ticket for the S.S. Monarch to go to the 1929 Schneider Trophy contest, a full-length portrait monochrome print of R.J. Mitchell, a press cutting suggesting the naming of a bridge as the Mitchel Bridge, a leaflet about the Spitfire Mitchell Memorial fund, a memorial booklet and thank you card for the funeral of Sqdn Ldr Harold James Payn, and a published obituary for Payn.
Production Date	1924-1977
Brief Description	Six published material cuttings, monochrome print, memorial service booklet and three other printed items.
Object Number	AC93/14/24
Title	Supermarine Spiteful (incorporating Seafang) specification and flight test report and accompanying letter, 1945 and 1993
Maker Name	Supermarine Aviation Works Limited, Supermarine Aviation Works Limited, E. Davis
Maker Role	Issuing Authority, Author, Author
Content Note	Spiteful/Seafang brochure gives leading particulars, performance information and general arrangement of each. Spiteful also has a cutaway, engine data, details of wing construction and cockpit layout diagram. Brochure mentions Specification No. 481 and is issue number 2. Test report covers test flying the second prototype Spiteful NN664 between the 8/1/45 and 22/5/45. Areas covered are: the ailerons and lateral control, stability, the cockpit, ground handling, and "general". Two appendices give a breakdown of the flights made and a breakdown of the air-flow over the wing in various attitudes. Appendix 2 also gives some data from aircraft RM732, RB146, and JG204. Also included is a letter by Mr Davis explaining problems with the Spiteful's wing.
Production Date	1945, 1993
Brief Description	Bound sales brochure with blue cover, typescript report with no cover and a typescript letter.

Object Number	AC93/14/25
Title	Lecture notes and slides on the basic design of the prototype Spitfire, 1986
Maker Name	E. Davis, University of Southampton, Royal Aeronautical Society
Maker Role	Compiler, Author, Author
Content Note	Lecture compiled by Mr Davis for presentation on the 30 R.J. Mitchell memorial lecture at Southampton University. Lecture details the design development of the Spitfire prototype. File also contains correspondence with Southampton University and the RAeS with regard to the giving of the lecture.
Production Date	1986
Brief Description	Typescript lecture notes with monochrome prints and press cuttings attached and box of slides.
Object Number	AC93/14/26
Title	Air Publication 1565A Volume II Part 3: "Instructions for repair, Spitfire I aeroplane", February 1940
Maker Name	Air Ministry
Maker Role	Issuing Authority
Content Note	Air Ministry Air Publication for the repair of Spitfire Mk. I aircraft.
Production Date	February 1940
Brief Description	Typescript lecture notes with monochrome prints and press cuttings attached and box of slides.
Object Number	AC93/14/27
Title	Article from "Flight" marking 40 years of the Supermarine company, 2 October 1953
Maker Name	Flight International
Maker Role	Publisher
Content Note	Three part article, entitled "Sires of the Swift", gives history of the Supermarine company, gives brief details on some of its designs and focuses a bit more in-depth on some of the more unusual designs.
Production Date	02 October 1953
Brief Description	Badly faded photocopied typescript bound in blue folder.

Object Number	AC93/14/28
Title	Copies of The Aeroplane and the The Aircraft Engineer section of Flight, 1931-1942
Maker Name	Flight International, The Aeroplane
Maker Role	Publisher, Publisher
Content Note	Series of technical papers and guides published in Flight and a book of cutaways as listed in the Subject Object field.
Production Date	1931-1942
Brief Description	23 published articles, one from The Aeroplane and 22 from the Aircraft Engineer section of Flight.
Object Number	AC93/14/29
Title	Promotional booklet concerning the South Marston site of Vickers-Armstrongs Ltd entitled "Research, design, production", circa 1950s
Maker Name	Vickers-Armstrongs Limited
Maker Role	Publisher
Content Note	Brochure extolling the virtues of the Vickers-Armstrongs South Marston site.
Production Date	Circa 1950s
Brief Description	Landscape booklet with a mainly sand-coloured cover.
Object Number	AC93/14/30
Title	Pamphlet celebrating the centenary of Vickers Limited, 1967
Maker Name	Vickers Limited
Maker Role	Publisher
Content Note	Outside of pamphlet is a time-lime of the Vickers company achievements while the inside of the circle is a panoramic view of London from the Vickers headquarters. Also gives details of the main Vickers companies and their locations.
Production Date	1967
Brief Description	Fold-out pamphlet which forms a continuous circle.

Object Number	AC93/14/31
Title	Six technical publications concerning the use of alloys in aircraft construction, 1940s-1950s
Maker Name	Aluminium (II) Limited, British Aluminium Company Limited, Flight International, Magnesium Elektron Limited, Light Metal Founders Association
Maker Role	Publisher, Publisher, Publisher, Publisher, Publisher
Content Note	The pamphlets advertise and guide as to the possible uses of aluminium alloys, such as Alclad and Duralumin, in aircraft.
Production Date	1940s-1950s
Brief Description	Six small booklets with differing cover designs.
Object Number	AC93/14/32
Title	Folder of stress and weight calculations for the Supermarine Type 316, circa 1936
Maker Name	Supermarine Aviation Works Limited
Maker Role	Compiler
Content Note	Stress and weight calculations for the Supermarine Type 316 which was designed to meet specification B.12/36, and was designed to be powered by four Merlin or Hercules engines.
Production Date	Circa 1936
Brief Description	File of manuscript notes and drawings with an occasional graph.
Object Number	AC93/14/33
Title	Aircraft general arrangement drawing for Supermarine Type 308 long-range flying boat, circa October 1935
Maker Name	Supermarine Aviation Works Limited
Maker Role	Maker
Content Note	Hand-drawn and shaded three view of the Supermarine Type 308 twin-engined flying boat, designed in October 1935 to meet specification R.12/35 and to have been powered by two Rolls-Royce Vulture engines.
Production Date	Circa October 1935
Brief Description	Hand-drawn and shaded general arrangement view of a twin-engined flying boat.

Object Number	AC93/14/34
Title	Two pictures of a four-engined, gull wing, monoplane, flying boat n.d.
Content Note	Pictures show a four-engined, gull wing, monoplane, flying boat, of an unknown type, thought to be a Supermarine design but this is not certain.
Brief Description	Hand-drawn and shaded view of a four-engined flying boat, and a copy of a print made from the original.
Object Number	AC93/14/35
Title	Mechanical and electrical design group, South Marston, management plan, sections 1-3, 1968
Maker Name	Vickers Limited
Maker Role	Compiler
Content Note	Management plan split into three sections: Section 1: Personnel summary, overhead hours, floor areas and holidays and sickness. Section 2: Schedules for design departments, split into electrical, mechanical, research and development, workshops and technical publications. Section 3: Schedule for service departments split into chemistry and metallurgy, laboratories, technical library, photography, photo printing and commercial printing.
Production Date	1968
Brief Description	File of manuscript notes, split into three sections.
Object Number	AC93/14/36
Title	RAF printed notes on the properties of materials issued to aircraft apprentices, n.d.
Maker Name	Royal Air Force
Maker Role	Issuing Authority
Content Note	Book split into lectures, (chapters), each dealing with a different aspect of metallurgy. Gives technical terms, properties, describes processes such as tempering and case hardening etc.
Brief Description	Notebook with a brown paper cover.

Object Number AC93/14/37
Title **Material relating to a mid-management course, 1968**
Maker Name Institution of Production Engineers, Labour Party, E. Davis, Vickers Limited
Maker Role Publisher, Publisher, Author, Author
Content Note Conference and all accompanying material guide the middle management in how to deal with the workers and industrial relations.
Production Date 1968
Brief Description Lecture programme, pamphlets, booklets, typescript sheets and manuscript notes.

Object Number AC93/14/38
Title **Booklet entitled "Merdone: The history of Hursley Park", 1978**
Maker Name D.L. Peach, International Business Machines
Maker Role Compiler, Publisher
Content Note Published booklet on the history of Hursley Park, which used to be a Supermarine-owned site, and then Vickers, before passing to IBM.
Production Date 1978
Brief Description Booklet with brown cover and cream/white text.

Object Number AC93/14/39
Title **Various management papers relating to Vickers-Armstrongs, 1950-1960s**
Maker Name Bristol Aeroplane Technical College, Vickers-Armstrongs Limited
Maker Role Author, Author
Content Note Collection consists of: a paper on industrial psychology and human relations; a paper summarising trade union negotiations with Vickers-Armstrongs; a timetable of lectures to vacation students; guidance on filling out the Vickers-Armstrong staff records card; an offer of employment by Vickers-Armstrong to an unnamed individual; a guide to aircraft phraseology; a manuscript list of book details; a guide to exam practices.
Production Date 1950s-1960s
Brief Description Small collection of typescript and manuscript sheets.