

Catalogue G, for box-files G1 – G8.

Scope: all the technical reports, scientific journal papers and equipment/software manuals that exist in paper form (originals or photocopies of originals) for the following Elliott computers and their related equipment and applications (including relevant aerospace and military applications):

502, 4100 series, 900 series and related computers (including 901, 902, 903, 905, 920, ARCH 102, ARCH 9000, ARCH 105, 12/12, MINIM, MC1800, MCM2, M2140).
Marconi Myriad;
relevant aerospace and military applications.

G1	Sept 1960	The Elliott 502 on-line data-processor.	Photocopy of an 18-page approx. quarto typed and printed technical brochure. Includes the instruction set and one diagram.
G1	c. 1961	Features of the Elliott 502 Computer	Foolscap typed on 14 pages, bound with a metal clip through 2 punched holes. No cover.
G1	Dec. 1962	502 - General Purpose Real Time On-line Data Processer	Pale grey-blue and white folder containing 25 typed pages, bound with two staples. A general description of the 502
G1	?	502 Order Code	Quarto - 1 page hand-written tabulation. Photocopy - (2 copies). No cover.
G1	Sept. 1962	502-803 Revised Interpreter (Issue 1). R. Kingslake. Issue 1. Ref: 313/AFC/JAR.	Quarto, bound in a limp green Elliott binder. Specification of an 803 program to read 502 program tapes and simulate the 502 on the 803. 24 pages + 1 page showing the 803 console when used for 502 simulation.
G1	Oct 1966	Basic CORAL Specification and 502 Compiler System. R. Kingslake?. Issue 2.	A4, black covered plastic spiral bound; typed on 61 pages including distribution list page. (Has small green '5' sticker on front cover).
G1	Nov. 1966	'BASIC CORAL cuts program writing time'	Article in <i>Computer Weekly</i> , 24 th November 1966, describing a BASIC CORAL compiler for the Elliott 502.
G1	26 Sep 1961	502 Specification - Amendments to Section 5 (Magnetic Tape System). P. J. Lawrence	Quarto, 3 pages typed, bound with a staple. No cover. (Original specification document missing)
G1	?	Common – Services programming. R.F.Wells &	Quarto, stapled, 4 pages. Internal note of services (such as wiring schedules, etc.) that exist in the Airspace Control Division for the manufacture of printed-circuit boards, backwiring, etc., for the 502 computer.

		E.M.Shorter	
G2	c. 1964	Part 1: the 4100 data processing system. (Extract from 'Functional specification for the Elliott 4100 data processing system').	Photocopy of 12 pages from an A4 technical manual relevant to the 4102 computer.
G2	April 1965	NCR Elliott 4100 Electronic Data Processing System FACTS booklet	c.A6 size - 16 pages. Original plus a photocopy.
G2	c. 1966	Elliott instruction set for 4120/4130. R W Burwood.	Typed manual, approx. 40 pages, giving details of each instruction.
G2	Oct 1967	4100 computer system FACTS.	Original booklet, plus a photocopy, of a 48-page FACTS booklet for the Elliott 4120 and 4130 computers.
G2	Aug. 1971	ICL 4100 computer system FACTS.	Two colour photocopies of the red cover and back page of FACTS booklets for the 4100 computer system. One booklet is dated October 1967 and the other August 1971. Notice that the latter has 'ICL' on the front page because, in September 1968, ICL had absorbed the mainframe computer interests of English Electric who had, a few months previously, absorbed the computer interests of Elliott-Automation.
G2	17 Dec. 1964	Specification of IBM Compatible Magnetic Tape Systems for Series 4100. D. E. Boyt	Quarto, 15 pages, typed, & bound through 2 punched holes with a metal clip. No cover.
G2	30 May 1964	Elliott 4150 Digital Computer Functional Specification Ref: TIS/4150	c.A4 - Grey Elliott card binder - 44 typed pages. Has pencilled alterations, which appear to make the document applicable to the 4120 computer.
G2	?	Series 4. (Relates to the Elliott 4120 & 4130 computers). Hugh Cairns?	Quarto, bound with a staple, hand-written notes on 5 pages
G2	?	Draft - Series 4 Standard Interface	Quarto, typed, bound with a staple - 12 pages including 2 appendix diagram pages
G2	26 th Jan. 1965	<i>Machine Comparisons.</i> NCR/Elliott Information memo number 5.	Photocopy of a two-page technical note. Contains tables that compare the Elliott 4102 with: NCR 315-900, ICT 1902, IBM 360/20, Honeywell 200.
G2	25.6.1964	Switching Centre. F. Harkin	Quarto - typed on 2 pages, bound with a staple
G2	c. 1966	4130 Central Processor. Issue 1.	This technical brochure is Volume 1, part 3, section 2 of the Elliott 4100 series documentation. It is A4 format, ten pages, white cover with magenta embellishments. Gives physical and electrical specifications, plus a table of instruction times.
G2	?	Appendix C - N.C.R. - Elliott	c. 50 foolscap pages, photocopied from an original typed on A4 paper. Bound through two punched holes with a metal clip. No cover.

		4100 Data processing System.	As well as the 4130 processor, this report includes: Appendix E - 4100 Autonomous Transfer Unit - Functional Specification - Section 2.
G2	c. 1968	13 papers relevant to KOS, the Kent On-line System for an Elliott 4130.	A collection of photocopies and originals, sent to SHL in December 2008 by Heather Brown, widow of Peter Brown (the main designer of KOS). The Kent On-line System KOS was a simple multi-access operating system which allowed both batch use and on-line terminals simultaneously. KOS, implemented on an Elliott 4130 in the period late 1968 to early 1970, supported a fully-conversational incremental BASIC compiler via eight teletype terminals. The main KOS paper, here reproduced, appeared in <i>Software – practice and experience</i> , vol. 1, pages 269 – 277, in 1971. Other software mentioned includes UNRAVEL; NEAT; ML/1; SCAN.
G2	c. 1967.	4140 computer system and 4140/4150 compute complex: a proposal for large scale scientific data processing systems to match the growth in demand for computing power.	Red A4 folder containing two technical brochures: (a) Proposal (6 pages of text); (b) Technical Information (3 pages of text). This seems to be Elliott's response to the Flowers Report (available late 1965) and the influence of computers such as the Ferranti Atlas and the CDC 6600. The 4140, which could (it is said) be delivered in 1969, is predicted to have a throughput of three times Atlas. The 4150, available in about 1970/71, is predicted to have a throughput of about six times that of the 4140. It is not thought that anything came of these proposals.
		(Catalogue Comment)	<p>The Elliott 900 series computers and their later (GEC) extensions covers a wide range of more-or-less compatible machines, with word-lengths 18 bits and 12 bits. Some of them, marketed by the Mobile Computing Division, bear the name 'MCS' as an alternative to 'Elliott'. Likewise, 'ACD' for Airborne Computing Division. Here's a rough chronological (but possibly not exhaustive) guide to the main machines:</p> <p>Year 900-series computers introduced in that year</p> <p>1961 901 1962 920A 1963 920B, 1964 ARCH 102 1965 903 (the civil version of 920B), ARCH 9000 1967 920M, 920C, 1968 902, 902C (Minim), 905 (the civil version of 920C), ARCH 105 1973 12/12 (and <i>Programmer Electronic Control</i>). 1976 920ATC, 920 AT 1977 MC1800.</p>
G3	?	MCS 900 Elliott Mobile Digital Data Processing & Control System	Blue and white printed leaflet with photo. One A4 sheet folded into three. ('MCS' denotes computers marketed by Elliott's Mobile Computing Division).
G3	c. 2015	Elliott 900 Series Archive.	This item is a CD (received January 2015) containing Andrew Herbert's collection of documents, the latest version of which is available online at: http://homepage.ntlworld.com/andrew.herbert1/andrew_herbert/elliott.html The CD includes scanned documents, logic/circuit diagrams and manuals, together with 900 Series software from many sources. There is also about 8 minutes total of 900-generated music (5 tunes). The originals of the documents are held privately by Andrew Herbert in Cambridge; contact: andrew@herbertfamily.org.uk The CD contains seven sections, with a total size of 4.5 Gbytes. The folders are named thus: (a) 900 software; (b) manuals; (c) simulator; (d) tools; (e) music; (f) Read Me; (g) Release notes. The simulator

			allows Elliott 900 programs to be run on a Microsoft Windows platform. It includes runnable demonstrations of much of the software in the archive. For more information consult the README file in each sub-folder.
G3	c. 1967	Elliott-Automation 900 series small low-cost computers.	12-page (incl. covers) illustrated colour brochure with yellow and red cover. Plenty of photos of computers and installations. Gives tabular comparison of the following 900-series computers: ARCH 102 system, 902, 102C, ARCH 105, 920B, 903, ARCH 9000 system, 920M, 920C, 905, ARCH 9050 system.
G3	July 2007	Notes on 900 Series addressing mechanisms, for memory sizes 8K to 128K words. R W Burwood.	Three-page typed letter.
G3	March 1966	Elliott 903 computer FACTS.	Photocopy of Issue 1 of the 903 FACTS booklet. No page-numbers but the photocopy is nine A4 sheets, with two 'A6' booklet pages per sheet.
G3	Sept. 1967	Elliott 903 computer FACTS. Issue 4	Spiral-bound colour (yellow) photocopy of the 903 FACTS booklet. This edition is paginated to page number 25.
G3	1967 or 1968	Elliott 903 computer FACTS.	A4 photocopy of the 903 FACTS booklet (approx A6 size). This edition is paginated to page number 30.
G3	April 1968	Elliott 903 computer FACTS.	A4 photocopy of the 903 FACTS booklet (approx A6 size). This edition is paginated to page number 30. There is also a photocopy of the inside of the back cover, where a hand-written Algol 'Man or boy' program is given. The original of this booklet belonged to Don Hunter.
G3	May 1970	903 Computer System. Ref: 903 E.S.D./1	A4 Glossy white, yellow and blue brochure; printed notes and a photo. 4 pages and the cover.
G3	1969	Elliott 903 SIR programmer's guide. Brian Meek and Simon Fairhorn (Lecturers in Mathematics, Queen Elizabeth College, University of London.	Two-sided colour photocopy (one a4 sheet) of the front and back covers of an approx. A5-size booklet now in the possession of T J Froggatt. Published by Marconi Elliott Computer systems Ltd., Borehamwood. Yellow cover.
G3	2 nd Feb. 1972	Elliott 900 series: Software catalogue summary.	Two-sided typed sheet giving, in tabular form, a <code>, <alias>, <mnemonic> and <function> of various software packages for the 900 series computers. Includes mention of SIR (symbolic input routine), Algol, Fortran, many library routines and several test routines.
G3	Dec. 1978	Home computing. Don Hunter.	Photocopy of Hunter's paper in <i>CAP-CPP Journal</i> , vol. 3 no. 6, Dec. 1978, pages 13 – 18. (CAP = Computer Analysis and Programmers (UK) Ltd.). The article describes the acquisition, re-commissioning, programming and use at home of an Elliott 903 computer.
G3	Oct. 1968	Elliott 902 computer FACTS. Issue 1.	A4 photocopy of the 902 FACTS booklet (approx A6 size). This edition is paginated to page number 14. Also, another photocopy (but excluding the front cover).
G3	May 1969	Elliott 902 computer FACTS. Issue 2.	Colour photocopy of front and back covers. Green colour.

G3	1967 or 1968	Elliott 902 computer.	Two-sided colour photocopy of an illustrated technical specification. Cove is green. (On the back page are the words 'An English Electric Company', from which the brochure's date can be roughly deduced).
G3	Dec 1967	905 Digital Computer Outline Specification. Advance Information.	c.A4 size black plastic spiral bound printed/typed 24 pages.
G3	c. 1967 - 1968	Elliott 905 computer.	Colour photocopy (orange) of a two-sided A4 single-sheet technical specification.
G3	July 1968	905 Digital Computer. System Specification. Issue B	Foolsap, typed on 66 pages, bound in a blue folder through 2 punched holes with metal clips.
G3	Nov 1968	Elliott 905 Digital Computer System. Functional Specification. Issue 1	A4 green covered, black plastic binding; 96 pages, printed/typed.
G3	Dec. 1968	Elliott 905 computer FACTS. Issue 1.	Two photocopies (one white A4 paper, the other cream A5 paper) of the 905 FACTS booklet, paginated to page 25.
G3	May 1969	Elliott 905 FACTS. Issue 2.	Original booklet (41 pages) with orange cover.
G3	Nov. 1969	Elliott 905 computer FACTS. Issue 2 (?)	Colour photocopy of front and back covers only. Orange colour.
G3	C. 1969	Elliott 905 computer FACTS.	A photocopy (on white A4 paper) of a later (?) edition of the 905 FACTS booklet (but minus the front cover). This issue is paginated to page 41 and includes much information on the Fortran and Algol systems.
G3	1970	905 Computer System. Ref: 905 P TL/1	A4 glossy white brown and blue covered document containing c.50 printed pages in a white plastic spiral binding; technical details also with photographs
G3	June 1969	Elliott 900 Series. 905 High Capacity Disc Store	Printed yellow covered 2 x A4 folded leaflet. Summary of characteristics and a photo.
G3	7th Oct 1969	905 Computer. Final Test Specification. 322 Test 262.	Foolsap 13 sheets photocopied and stapled. Gives 'acceptance test' definitions, performance figures, etc.
G3	29 Aug 1969	905 Multiplex Interrupt Unit (MIU). Final Test Specification. 322 test 302	Foolsap 5 sheets photocopied and stapled
G4	Nov. 1962	920 General Purpose Mobile Digital data processor	Quarto. Dark red and white card cover, containing 16 typed pages, bound with 2 staples.
G4	Feb. 1965	A new control computer. J P Bunt. Control, February 1965,	Photocopy of a journal paper that deals with the Elliott 920.

		pages 63 – 65.	
G4	1963	The Elliott MCS 920 Computer	A4. Mostly black glossy covered booklet. 20 pages, printed; technical info. and photos.
G4	c. 1963?	The Elliott MCS 920 mobile computer takes off	Four-sided stiff card landscape-format brochure, blue titling. Undated
G4	Dec 1964 & Jan 1965	MCS 920 computer - Test program specifications. X.1 (issue2) - input/output test. X.5 Manual level test. X.8 Test trace facility. Refs M.PL/03	5 foolscap typed pages stapled together.
G4	1st July 1964	UK Price List - MCS 920 General Purpose Mobile Digital Computer	Quarto 12 page printed and typed brochure. Also contains conditions of sale.
G4	17 Sep 1964	920 Computer - Specification for Backing/Buffer Store Unit. Ref 322/PJL/DL	Quarto typed 10 pages. Bound with 2 staples. No cover.
G4	?	920 Computer. (Operating notes and specs for engineer's test programs)	Foolscap, 4 pages, typed duplicated copy, bound with a staple. Includes boot-up guide and switch on/off guide.
G4	1st March 1965	MCS 920 Program Library	3 foolscap sheets typed and stapled. No cover. List of c.35 library programs available for the MCS920 computer
G4	?	G.L.161 Commissioning Module. E J Pizzey.	A4. 9 typed pages, stapled. Descriptions of a system to simulate most G.L. 161 hardware, on two Elliott 920A computers. Relevant to DDT. (Has small green 73 sticker on front).
G4	Sept. 1961	Fire-Brigade: air defence control. SCP2.	Photocopy of a 20-page A4 brochure, dark cover. Assumes an Elliott 803 computer is to be the central processing resource. Mike Cochrane says that this is a 'pre-sales brochure'.
G4	May 1963	Firebrigade Elliott Air Defence System	Quarto. Red covered, plastic spiral bound. Printed on 16 pages. Fighter aircraft control application, using an Elliott 920 general purpose computer.
G4	? 1964	Mini Firebrigade and Programming Languages. Airspace Control Division.	A4 Black cover, plastic spiral binding. (Small green 38 sticker on front). 13 pages typed. Mentions CORAL and CORALette and JOVIAL on 920. Section 3 (5 pages) gives an overview of Elliott investment in programming languages for the 803, 503, 502, 900 series and 4100 systems, with lists of the languages implemented for each type of computer.
G4	Feb. 1964	An aid to interception. World Aviation Electronics, vol. 4 no.2 Feb. 1964.	This item consists of more or less the whole of this issue, because there are various Elliott adverts scattered throughout. Of particular interest is the 'Interception' article on pages 67 – 71, describing the Elliott Firebrigade system based on a 920 computer.
G4	June 1965	920 Model B Computer Users Manual. Ref 141/1	Foolscap, typed and bound with three metal clips. 44 pages.

G4	Dec. 1964	MCS 920 computer model B Engineering Specification. Advance Information. Ref: 322/S.D/268	Quarto printed/typed manual, bound with 2 staples. 25 pages
G4	Sep 1965	MCS 920 Model B Computer Specification. Issue 1. Ref 322/SB/8.65/1	Foolscap blue stiff outer covers, black plastic spiral bound, containing about 110 typed pages, in 5 major sections.
G5	c. 1967 – 1968.	Elliott MCS 920B computer.	Two-sided colour photocopy of a technical specification with photos – (blue front page). (On the back page are the words 'An English Electric Company', from which the manual's date can be roughly deduced).
G5	c. 1967	Elliott MCS 920B computer. Programming.	Colour photocopy of the cover only, of a brochure (?) entitled 'Elliott MCS 920 B computer – programming'. Unknown number of pages in the original.
G5	c. 1967	Introduction to the programming (for the MCS 920B)	Foolscap, 2 pages typed, stapled. Unsigned.
G5	Nov. 1965	Elliott MCS 920B FACTS.	Two photocopies (one white A4 paper, the other cream A5 paper) of the 920B FACTS booklet. Unpaginated, but consisting of eleven A6-size pages excluding covers.
G5	May 1968	Elliott MCS 920B FACTS	Colour photocopy of front and back cover only. Blue front.
G5	April 1967	Summary of a reliability trial carried out on the Elliott MCS 920B computer.	Four page (including cover) technical brochure, giving results of a 2,000 hour monitored trial run of a 920B computer at Borehamwood.
G5	July 1967	MU 1/24 memory unit: outline specification.	Spiral-bound technical, white cover, technical brochure of about 13 pages (including diagrams). Describes an 8K words, 24-bit, core store with cycle time of one microsecond.
G5	1966 and later	Elliott instruction set for 920B/903. Richard Burwood.	Document 122pcb/HA, as updated to 19 th Feb. 2007. Approx. 35 pages, A4, light green cover. Also contains a commentary entitled 'Notes about documents from R W Burwood received at the Science Museum 20 th Sept. 2007', written by Terry Froggatt and dated 27 th Sept. 2007.
G5	1969 and later	Elliott instruction disassembly 920/903/905. Richard Burwood. Also, <i>Storage shelves B</i> .	Document 124pcu/HA, as updated 26 th May 2003. Approx. 35 pages, A4, light green cover. Also, document 12aaab/SA <i>Storage Shelves</i> , issued 1996 and updated to 19 th Feb 2007, being an index to Richard Burwood's personal and technical archive as held in his house at Ivinghoe, 183 London Road, Hertford Heath, Herts, SG13 7PN. Some of Richard's papers relate to Borehamwood from 1969 – 1972, and to Vaughan Programming Systems from 1978 to 1995.
G5	1 st April 1970	ACD 900 series 18-bit binary tape format. 903/905/920 useful notes. Terry Froggatt. Airborne Computing Division, Elliott Flight	Six-page photocopy of extracts from ACD Library, book no. 106, amendment no. 2. Describes the various Elliott telecodes and the Airborne Computing Division's sum-checked binary loader format. (See Andrew Herbert's Archive for complete 'Book 106').

		Automation, Rochester.	
G5	c. 1967	FACE – Field Artillery Computer Equipment.	Photocopy of an 8-page A4 illustrated technical brochure, showing the Elliott 920B computer used for gunnery control (Royal Artillery).
G5	c. 1967	On target.	Green, black & white thick card leaflet, front plus two inside pages plus back. Describes the MCS 920 ruggedised computer for gunnery control, with some performance figures.
G5	1966	Circuit diagrams of NAND gates for the Elliott 920B.	Two photocopied engineering diagrams, taken from a set of documents labelled as <i>Elliott-Automation Computers Ltd Internal Correspondence, Notes, Product Descriptions and Maintenance Routines, 1965-1974</i> , and held as item COM/1993/1135 in the Science Museums' Document Centre.
G5	April 1965	MCS 920M computer. Outline specification. Advance information.	Photocopy of 24 pages of an illustrated technical manual
G5	c. 1965	Elliott MCS 920M rugged, reliable micro miniature high-speed computer.	8-page illustrated technical brochure, cover in black/white with light brown embellishments. HGC (Harry Carpenter) written on cover. Good illustrations. Also, a photocopy of this manual.
G5	c. 1967/8	Elliott MCS 920M microminiature high-speed computer (MCM5)	An eleven-page illustrated manual, with yellow cover. (On the back page are the words 'An English Electric Company', from which the manual's date can be roughly deduced). Also, a photocopy of this. Also, a single-page colour photocopy of what looks like the front cover of a similar manual, except that it says 'MCM2' on the front cover.
G5	Sep 1967	MCM2 Digital Computer. Specification	A4 white cover. Bound through 2 holes with a metal clip. 45 pages. The MCM2 is a 920M with 8K words of 5 microsecond storage. (Has small green 58 sticker on front cover).
G5	c. 1967/8	Elliott MCS 920M computer.	A single-page (two-sided) colour photocopy of a technical brochure (yellow), including specification and photographs. (On the back page are the words 'An English Electric Company', from which the manual's date can be roughly deduced).
G5	Dec. 1967	Elliott MCS 920M FACTS. Issue 1.	Photocopy (on white A4 paper) of the 920M FACTS booklet. Unpaginated, but consisting of sixteen A6-size pages excluding covers.
G5	Oct. 1968	Elliott MCS 920M FACTS. Issue 2.	Colour photocopy of front and back covers only. Orange colour.
G5	Mid-1960s ?	Real Time Programming	A4. Black cover. Black plastic bound. Typed on 47 pages. (Small green 63 sticker on front cover). Internal Elliott document giving guidelines for program specifications, documentation, testing, contractual obligations, etc.
G5	24 Aug 1965	Standard Procedure for Program Documentation.	Quarto typed, bound with a staple. No cover. 17 pages, including a note at the end giving the agenda for the next Elliott Programmers Sub-committee meeting. (program documentation notes). (Small green 67 sticker on front cover).
G5	May 1970	'Workshop'. The Manual of the Workshop System. Issue 1. By M.H. Beilby, Birmingham Univ.	A5 c.40 page manual for a 900 series program permitting calculation of formulae. 'Workshop' is written in the SIR language for a 900 series computer having 8K words of memory. (Small green 19 sticker on front cover).
G5	April	Character set:	21-page typed document with light green covers, giving the external

	2003	Elliott 900 telecode. Report no. 2001002/QS. R W Burwood.	and internal character codes for the Elliott 900 series and 4100 series computers. See also Terry Froggatt's notes of 20 th Sept. 2007 on Elliott 920 telecode.
G6	Sep. 1967	MCS 920C computer. Specification	Quarto, bound with three metal clips; c.50 pages. Typed. White cover with red and black print.
G6	c. 1967 - 1968	Elliott MCS 920C computer.	Double-sided colour photocopy of a two-sided technical specification with photos. Red cover colour. (On the back page are the words 'An English Electric Company', from which the manual's date can be roughly deduced).
G6	Aug. 1968	Elliott MCS 920C FACTS.	Photocopy (on white A4 paper) of the 920C FACTS booklet. Consists of 21 A6-size pages excluding covers, though the last four pages are un-numbered.
G6	Jan. 1969	Elliott MCS 920C FACTS. Issue 2.	Colour photocopy of front and back covers only. Red colour.
G6	Jan 1969	MCS 920C computer. Volume 1 System Specification. Issue 2.	Quarto, bound with two metal clips; c.40 pages. White cover with red and black printing. Typed.
G6	c. 1968	Elliott MCS 920C Microminiature High-Speed Computer	Quarto. 12 pages. Red and white glossy cover, containing printed technical info. and photos.
G6	?	Elliott MCS 920C Microminiature High-Speed Computer	Photocopy of another manual but with the same title. This one is of seven pages (incl. front cover).
G6	Feb. 1969	MCS 920C Computer. Central Processor MCC4 Specification. Issue 2.	Quarto, bound with two metal clips; c.70 pages. White cover with black printing. Typed.
G6	Aug. 1968	102C functional specification. Report no. 363 266 A08, issue 2. Elliott Flight Automation Ltd.	Photocopy of a 12-page technical brochure with black cover.
G6	c. 1968	Elliott 102C computer.	Photocopy of a 2-page technical brochure with green cover. "A complete digital computer complete with integral power supply in a lightweight subminiature package, specifically developed for air, land and shipborne applications". (The basic enclosure measures about 7.5 x 5 x 19.5 inches).
G6	c. 1968	Minim navigation management system. Airborne Computing Division.	Colour photocopy of a 12-page colour illustrated technical brochure with a blue cover. Elliott Flight Automation Ltd., Borehamwood. Includes inertial navigation system and an integral Elliott 102C computer.
G6	1977	The MC 1800 miniature processor.	Colour photocopy of a 4-page colour illustrated technical brochure. Marconi Space and Defence Systems Ltd., Stanmore. "The MC 1800 is a severe environment flexible miniature processor which can be incorporated into real time systems or used as a 'stand-alone' equipment; the processor is available in a naked or packaged form to industrial and military specifications". Based on an AMD 2901 bit-

			sliced microprocessor, the MC 1800 has been microprogrammed to emulate the 920C.
G6	1979	The MC 1800 miniature processor.	Later edition of the above brochure.
G6	1973	12/12 airborne computers. Marconi-Elliott Avionics.	Four-page A4 illustrated technical brochure. Front page has dark blue, light blue and red embellishments. Also, a black/white photocopy of this brochure. See also file <i>Elliott12-12Specification.pdf</i>
G6	c. 1976	920AT computer.	Photocopy of a four-page provisional specification.
G6	1970	M2140 Computer System. Ref:M2140 P TL/1. Marconi-Elliott Computer Systems Ltd.	A4. Glossy white, red and blue cover, holding a white plastic bound printed manual in several sections, c. 55 pages. "M2140 is a digital, high-speed, 16-bit parallel machine organised as a multiprocessor complex. Main store has cycle-time of 1 microsecond, expandable from 4K words to 64K words. Target applications: industrial process control.
G6	1968	Myriad I microminiature digital computer. Marconi data handling. Ref: TD-3-S3304	White and blue glossy covered 34 page brochure, printed with descriptions, diagrams and photos. (2 copies). (Small green 68 sticker on front cover).
G6	1968	Myriad II microminiature digital computer. Marconi data handling. Ref: TD-1-L4001A	Red, white and black glossy covered 35 page brochure, printed with descriptions, diagrams and photos. (Small green 69 sticker on front cover).
G6	1970	Myriad II Computer System. Refs: L4001 ...TL/1	A4. Glossy white, green and blue cover, holding a white plastic bound printed manual in several sections, c. 40 pages. (Small green 60 sticker on front cover).
G6	c. 1970	The Myriad Disc Store System. Marconi Automation, Ref: 804/02804 TD 3X	Very dark grey-green covered 24 page brochure, printed with descriptions, diagrams and photos. (Small green 70 sticker on front cover).
G6	1968	Myriad software. Ref: TD-1-1X	White and black glossy covered 27 page brochure, printed with descriptions, diagrams and photos. (Small green 71 sticker on front cover).
G7	April 1969	Elliott 900 Series Digital Plotter	Yellow leaflet on a sheet of 2 x A4 size folded card. Printed sales leaflet with photo. (Small green 20 sticker on front cover).
G7	May 1969	Elliott 900 Series Line Printer	Yellow leaflet on a sheet of 2 x A4 size folded card. Printed sales leaflet with photo. (Small green 21 sticker on front cover).
G7	March 1969	Elliott 900 Series 9kHz Magnetic tape Unit	Yellow leaflet on a sheet of 2 x A4 size folded card. Printed sales leaflet with photo. (Small green 22 sticker on front cover).
G7	June 1969	Elliott 928 Display. Ref: EAS 520/B06	A4 glossy blue-green covered brochure; 8 pages, printed with descriptions, diagrams and photos. (Small green 52 sticker on front cover).
G7	Aug. 1969	Elliott 928 Display. Ref EAS 510/B08	A4 single sheet, glossy printed both sides, containing an abridged specification. (Small green 53 sticker on front cover).
G7	May 1970	Marconi-Elliott 928 Display. Ref: 928 FSD/1	A4 glossy orange and white brochure, 8 pages. Printed with descriptive text, diagrams and photo. (Small green 54 sticker on front cover).
G7	1970	928 Graphical Display System.	A4 glossy white orange and blue covered document containing c.17 printed pages in a white plastic spiral binding; technical info and

		928/ST L/1	photos. (2 copies) (Small green 55 sticker on front cover).
G7	May 1970	Marconi-Elliott 928 Graphical Display System – Software. Ref: E.S.D/2	White and orange glossy printed 2 x A4 folded brochure. (Small green 56 sticker on front cover).
G7	May 1970	Marconi-Elliott Series 20 C.R.T Display System. Ref: 20 CRT ESD/1	A4 glossy yellow and white 8 page brochure. Printed with descriptive text, diagrams & photos. (Small green 57 sticker on front cover).
G7	1969	X2000 data display system. LIT X2000.	White and dark grey covered glossy brochure, red lettering. Printed on 14 pages, with descriptions, diagrams and photos. (Small green 66 sticker on front cover).
G7	? 1970	Display Touch Wires X2500. Marconi Automation. Ref: 711/02420 TD X2500	Very dark grey-green covered 8 page brochure, printed/typed with descriptions and diagrams. (Small green 72 sticker on front cover).
G7	May 1965	The Elliott Secondary Surveillance Radar Digital Video Processing System. 313/FJC/AP	A4. Black cover. Black plastic bound. Typed on 38 pages. (Small green 62 sticker on front cover).
G7	About 1969?	CE 70 Secondary Surveillance Radar. Introduction to SSR. (Cossor Electronics & Elliott Airspace Control Division).	A4. Dark blue glossy covered, gold printing. Printed on 24 pages, with descriptions, diagrams and photos.
G7	1970	Inertial systems for military aircraft	Photocopy of a 14-page illustrated booklet, showing a range of equipments for mission control, including the MCS 920M computer.
G7	24 th Nov. 1966	Airborne computers. Paul Rayner. Article in Computer Weekly, pages 6 & 8.	This article reviews the first six years of projects involving airborne digital computers. Paul Rayner was, in 1966, the Manager of the Airborne Computing Division of Elliott Flight Automation Ltd.
G7	Oct. 1972	Developments in aircraft digital systems. R Ruggles, E M Scott, both of Marconi-Elliott Avionics Systems Ltd., Rochester.	Photocopy of a 14-page technical presentation to the AGARD Avionics Panel 'Automation in manned aerospace systems, 24 th technical meeting, 16 th – 19 th Oct. 1972, Dayton, Ohio. On page 6.8 is an interesting paragraph about "the battle between analogue and digital, in the flight-control arena".
G7	May 2005	Elliott analogue computers in aviation.	Retrospective four-page typed memo from Ron Howard, received by SHL in December 2005 from Ron Bristow. <i>(Note to future researchers: R W Howard CBE, a former Managing Director and Chairman of GEC Avionics Ltd., was the company's authority on Flight Control Systems (FCS). An expert in analogue techniques, he first joined Borehamwood in 1954. He lives in Australia.</i>
G7	c. 1976	AEW Nimrod electronics	One-page print-out of Spyflight website, showing photos of Nimrod AEW 3, ASR 400 and the installed avionics equipment.

G7	1990	A large embedded system project case study. Bob Malcolm. First published in <i>Software engineering for large software systems</i> , edited by B A Kitchenham. Elsevier Applied Science, 1990.	Study of the AEW Nimrod project. Also, a two-page print out from Bob Malcolm's <i>Ideo</i> website, giving his Elliott Automation / Marconi / GEC Avionics background AEW project.
G8	c. 1962	Introduction to Minilog. Panellit.	16-page (incl. covers) landscape format illustrated brochure. White, with red lettering. Penellit Ltd., a licensee of the American company, was a member of the Elliott-Automation Group.
G8	c. 1964	Logic: an introduction to Minilog elements and their application in System Design.	32-page A4 glossy technical brochure with blue and orange abstract cover. Undated. Inside the back cover it says: 'written and edited by R E Hare and A C Savage'.
G8	c. 1965	Minilog: elements, applications, design bulletins.	Heavy-duty grey 'clip-in' A4 folder containing selections of Minilog illustrated leaflets filed under the following sections: 1) Minilog elements; 2) Design bulletins; 3) Application notes; 4) Accessories; 5) Price and delivery. In a pocket at the back are two typed sheets of prices dated July 1965.
G8	Sep 1967	Minilog Elements and Accessories Price List	Quarto. 2 staples. Typed on 4 pages. (Small green 61 sticker on front cover).
G8	1964	Seven SGS Fairchild technical leaflets for integrated circuits.	Five of the leaflets are for diode-transistor micrologic flat-pack elements, in the range DT μ L 930 to 946. One is a DT μ L composite data sheet. One is a data sheet for the μ A-702A high-gain, wideband DC amplifier. Upon its start-up, Elliott's Microelectronics Division is believed to have manufactured SGS-Fairchild designs.
G8	c. 1966	Elliott-Automation Microelectronics	Black folder, inside the front cover of which is an illustrated introduction to Elliott's Glenrothes Microelectronics facility, which was set up in 1966 using technologies licenced from Fairchild. The folder contains three 'user's guide' technical data-sheets, covering: (a) D9 family of DTL integrated circuits; (b) H9000 family of TTL integrated circuits; (c) A7700 family of linear integrated circuits.
G8	April 1966 to Jan. 1967	Total capability in microelectronics.	Blue folder containing many technical data-sheets for various integrated circuits including: Diode-Transistor Logic and the 'triplet' range of modules containing up to three DTL flat-packs.