

List of references for the Elliott 800 series and 503 computers.

Note that the background to all the early British stored-program projects from 1945 – 1951 is summarised in: ***Alan Turing and his Contemporaries: building the world's first computers***. Simon Lavington [ed]. Published by BCS in 2012. 111 pages; many illustrations. ISBN: 978-1-90612-490-8.

Another general account, spanning the period from the late 1940s to the mid-1960s, is: ***Early British Computers*** (Simon Lavington). Published by Manchester University Press (in the UK) and Digital Press (in the USA) in 1980. 139 pages, many illustrations. ISBN: 0-7190-0803-4. Available online at: <http://ed-thelen.org/comp-hist/EarlyBritish.html>

Elliott 800 Series and 503.

1. Anon, *Elliott Automation: Computers and Orders, 1947 – 1966*. Brochure published in early 1967 by the Directorate of Information Services, Elliott-Automation Ltd., 21 Portland Place, London W1. A leaflet, inserted in the booklet subsequently, gives the total *delivered* and *on order* figures for each computer as at 31st March 1967.

2. Anon, *Computer and data processing installations*. Elliott Computing Division. Issued 31st August 1963 by Elliott Brothers (London) Ltd., Borehamwood.

3. Various issues of the quarterly periodical *Computer Survey*, which appeared more or less regularly from June 1962.

4. "Moving Targets - Elliott-Automation and the dawn of the computer age in Britain, 1947 – 67". S H Lavington. Published in 2011 by Springer, ISBN 978-1-84882-932-9.

5. Anon, *ARCH in action: on-line computing and data handling systems*. Publication number R31 (48 pages) produced by Elliott Process Automation Limited. Undated but a date of mid-1966 may be deduced.

(No references 6 or 7)

8. National-Elliott 802: advance information. Undated. (*Pamphlet, 5 pages*).

9. Programming the National-Elliott 802 computer: preliminary information. Scientific Computing Division, Elliott Brothers (London) Ltd., Borehamwood. November 1958. (*Pamphlet, 4 pages*).

10. Time-sharing on the National-Elliott 802. R L Cook. *Computer Journal*, vol.2, no. 4, January 1960, pages 185 – 188.

11. The Elliott 803. Laurie Bental. Typed manuscript of a talk given to the North West branch of the Computer Conservation Society at the Museum of Science & Industry in

Manchester on 25th September 2001. (10 pages plus one chart and 16 diagrams/photos).

12. The young person's guide to the Elliott 803B. Adrian Johnstone. Resurrection, vol.1, no. 3, Spring 1991, pages 13 – 15.

13. Anon, *503 Ultra High Speed Digital Computer for Science and Industry*. Five-page technical brochure number CP 204, January 1962, published by Elliott Computing Division, Borehamwood. Available on the following website:
http://archive.computerhistory.org/resources/text/Elliott_Brothers/Elliott.503.1962.102646077.pdf

14 Anon, *National Elliott 803 FACTS*. Published jointly by the Scientific Computing Division of Elliott Brothers (London) Ltd., Borehamwood, and the NCR Electronics Division of National cash Register Co. Ltd., London. Various editions of this booklet were issued between 1960 and 1965. The version used in this account was issued in April 1964.

15 Anon, *Elliott 503 FACTS*. Published by Elliott Computing Division, Borehamwood. Various editions of this booklet were issued between 1963 and 1965. The version used in this Appendix was issued in December 1963.

16. (a). L J Bental, *Arithmetic operations in the 803B computer*. Typewritten internal Borehamwood document dated January 1961.
(b). L.J. Bental *A Floating Point Arithmetic Unit*, Electronic Engineering March 1962.

17. (a). *Interface description for a special peripheral device in the 503 system*. Technical manual 5.1.5, Elliott Scientific Computing Division. Undated.
(b). J W J Williams and M L Shaw, *Data transfers between the 503 and a peripheral device*. Typed technical note (13 pages), dated 16th December 1964 and stapled to the cover of the above manual.

18. Report on the Elliott ALGOL translator. C A R Hoare. Computer Journal, vol. 5, no. 2, July 1962, pages 127 – 129. (Describes an implementation for the 503 and 803 computers). Scanned images of the Elliott 803 Algol manual (*January 1965, Issue 4*) have been made available by Bill Purvis at: <http://www.billp.org/ccs/A104>

Location of archived manuals and a working Elliott 803.

The National Museum of Computing (TNMOC) at Bletchley Park has a working 803 computer. This installation also possesses many relevant Elliott original manuals, for example:

Handbook for the 803B Computer, Vol 1 – Text. (various documents describing internals of the machine).

Handbook for the 803B Computer, Vol 2 – Diagrams. (diagrams to accompany text in Vol 1).