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Papers transferred from Professor W S Elliot, March 1982

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- 1 **Ferranti Pegasus Handbook. Loose-leaf volumes**
 - /1 Vol 1 Operating instructions
 - /2 Vol 2 Logical design [Missing - not recvd]
 - /3 Vol 2a Logical design (diagrams)
 - /4 Vol 2b Timing charts
 - /5 Vol 3 Electrical and mechanical design
 - /6 Vol 3a Electrical and mechanical design (diagrams)
 - /7 Vol 4 Installation and maintenance [Missing - not recvd]
 - /8 Vol 5 The packages
 - /9 Vol 5a The packages (diagrams)

- 2 **Pegasus library sub-routine documentation. Loose-leaf volumes**
 - /1 Library programmes Volume 1 (ca 1958)
 - /2 Library specifications Volume 1 (ca 1956 -58)
 - /3 Library specifications Volume 2 (ca 1956 - 58)

- 3 **Reports of the Computer Components Fellowship no. 347 of the Mellon Institute of Industrial Research**
 - /1 Final Report on contract CLN AF 19/122/-376 Oct. 10 1950 through Sept. 30 1953 / F A Schwertz, ed.
 - /2 Quarterly report nos. 1 - 12, 1950 Oct.11 - 1953 Oct.10
 - /3 Quarterly report second series, nos.1 - 12, 1954 Jan. 1 - 1956 Sept. 30 [Contract no. CLNAF 19/604/-943]

- 4** **Digital Computer Newsletter.** Circulated by the Mathematical Sciences Division, Office of Naval Research (Quarterly) NAVEXOS P-645. Inclusive runs:
- Vol 8 (1) - Vol 11 (3) 1956 Jan - 1959 Jan
- Vol 11 (3) 1959 Jul
- Vol 12 (1) - Vol 13 (1 & 2) 1960 Jan - 1961 Jan & Apr
- Vol 13 (4) - Vol 14 (3) 1961 Oct - 1962 Jul
- Vol 16 (1) 1964 Jan [including preceding issues Vol 14 (4) & Vol 15 (1-4)]
- Vol 16 (4) 1964 Oct
- 5** [Reprint of] **The design of the Ferranti Pegasus computer** (parts 1 and 2) by T G H Brauholtz and G Emery, M.A., Ferranti Ltd [printed with] The magnetic tape store for Pegasus by T G H Brauholtz and D Hogg, Ferranti Ltd. Reprinted [by Ferranti Ltd] from *Electronic Engineering*, Aug, Sept and Oct 1957 issues. 18p
- 6** **Photographs of 401 and 402 computers**
- 7** **Papers in NRDC wallet files**
- /1 Notes on status of digital computer development, Feb 1951. Negative photocopy of typescript report endorsed "Dr Frankel's report on computing machine development" 86p + 2 sheets with Arithmetic operations in binary computer, endorsed "Frankel", 10 sheets
- /2 Monthly bibliography on computers issued by Iota Services Ltd and later by Technical Information Co. Vols C-2 no.6 1958 Jun, C-3 no.5 1959 May and C-3 no.9 1959 Sept
- /3 [H J Crawley's copy of] PB111607. Symposium on automatic programming for digital computers / Naval Mathematical Computing Advisory Panel, 13 - 14 May 1954. [Report initially published by Office of Naval Research]
- /4 Interim progress report on the physical realisation of an electronic computing instrument / Institute for Advanced Study, Princeton. 1 Jan. 1947
- /5 Miscellaneous Cryotron material

/6 Miscellaneous EDVAC material

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- /1 1950 Jan Report of a Conference on High Speed Automatic Calculating Machines. 22 - 25 June 1949. University Mathematical Laboratory, Cambridge
- /2 1951 Jul Manchester University Computer. Inaugural Conference
- /3 [1952] Proceedings of the Association for Computing Machinery. Meeting at Toronto, Ontario. Jointly sponsored by the ACM and University of Toronto. Sept 8 - 10, 1952
- /4 1952 Sept 2 Technical notes on 401 Mark I. A general purpose computer for N.R.D.C / Elliott Brothers
- /5 1952 Oct 21 Computer 401 Mark I / Elliott Brothers
- /6 1956 Mar 28 Programming the Elliott 405 Unit-construction business computing system (2nd Edn) / Elliott Brothers
- /7 1960 Dec 31 The application of electronic computers within the shipbuilding industry. A report prepared for the NRDC by C-E-I-R (UK) Ltd
- /8 1960 Dec 31 As above; Appendices
- /9 - Elliott 402 400 Series High Speed Digital Computer / Elliott Brothers

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Elliott 401 Reports

- /1 1952 Jan 30 Report no. 267: A general purpose calculating machine for the National Research Development Corporation. [53p + programme sheet, bibliography, distribution list, 13 diagrams]
- /2 1952 Apr 4 Report no. 276: -----as above -----
-----[subsidiary report]. [5p + distribution list]
- /3 1954 Mar 29 Report no. 339: 401 Mark 1 Computer. [116p (including list of main diagrams) + 30 diagrams and 6 photos, distribution list]

- /4 1954 Sept 1 Report no. 358: Solid delay lines [33p + 6 diagrams, distribution list]
- /5 1951 Aug 3 Report no. 247B: Proposal for a general purpose mathematical electronic digital computer. [9p + 3 diagrams, distribution list]
- /6 1952 Oct 27 Report no. 303: The development of a range of digital computer components with special reference to packaged circuit units. [9p + 11 photos, distribution list]
- /7 1952 Dec 30 Report no. 309: Magnetostriction delay line storage. [9p + 5 diagrams and 3 photos, distribution list]
- 10** 1952 -1955 Elliott 401 drawings. [A sizeable collection of folded drawings has not been retained in the archive as there is second set (unfolded and individually sealed in Melinex) held in the Museum's Documentation Centre, as well as a third partial set. Computing collection staff will decide (late 2007?) on what happens to the first set]
- 11** [Miscellaneous circuit diagrams (31 sheets), Package Circuit Data (1 folder, 12p. ts.)]

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