

References and Bibliography relating to Orion.

A general account of the UK's experimental and production computers, 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>

For much useful Orion information, see: <http://ferranti-orion.co.uk/> This is Malcolm Biggs website. The site currently contains:

- (1) A link to the original Orion brochure;
- (2) The Orion Programmers' Reference Manual, (originally issued in 1961 but periodically updated, up to Amendment 45 which was issued in July 1967);
- (3) The 102 Computer memorandum No B50 entitled Extracode Mode & the Special Extracode Orders;
- (4) A paper describing the simulation of the Orion's Timesharing System written by Henry Goodman and originally published in the Computer Bulletin;
- (5) The report of the Orion 2 Contact group, set up by Gordon Harvey following the Orion 2 seminar held by the Computer Conservation Society on 29th October, 2003.

Here's a list of other Ferranti/ICT manuals and brochures:

Reference name	Title	Date of publication
DC41A	Orion Computer System	Oct. 63
CP2	Orion Computer	Sept. 61
MP2	Input and Output Operations on Orion using Time Sharing	Sept. 61
AUP3	Nebula Commercial Autocode	Sept. 61
AUP4	The Mercury Orion Atlas Autocode	Sept. 61
R32	Orion - time-shared data processing system	June 60
R51	Simulation of Orion Time-sharing system on Sirius	Sept. 61
R57	Nebula. A Programming Language for Data Processing	Oct. 61
R75	Integrated data processing at a Swedish chain store	Aug. 63
R79	Electronic Accounting in the Church of Scotland	Jan. 65
CS 281	Programming Sheets (in pads of 100)	
CS 299 A	Summarised Programming Information	
CS 308 A	Orion and Atlas Punched Tape Codes	
CS 313	Nebula Logical Description Sheet	
CS 314	Nebula Physical Description Sheet	
CS 315	Nebula Card Description Sheet	
CS 317 A	Making a Fortran II Program suitable for Orion	June 64
CS 339	Operating instructions for Model "B" Flexowriter	Aug. 62

CS 361	Keyboards used with Computers	Jan.63
CS 362	Operators Conventions for Punched Tapes	Jan.63
CS 363	Specification of Paper for Punched Tapes	Jan.63
CS 366	Model 'S' Flexowriter	Nov.62
CS 367	Creed Keyboard Punch for 7-track Tapes	Nov.62
CS 368	Creed Verifier for 7-track	Jan.63
CS 369	Extracoded Functions in Orion 2	Aug. 63
CS 390	A Primer of Fortran Programming for Atlas & Orion	Oct. 64
CS 391	A General Description of Orion 1 and Orion 2 Computers	Sept. 63
CS 401	The Analysis of Plane Structural Frames on Atlas and Orion Computers	April 64
CS 412	Punching Conventions for Orion Programs	Sept. 64
	Nebula Training Manual - this will replace CS 282	
Tech.Pub.5050	I.C.T. Orion Programming Manual Vols. 1 and 2	Dec. 64
Tech.Pub.5052	I.C.T. Atlas and Orion Computers Extended Mercury Autocode (EMA)	Aug.64
Tech.Pub.5059	Programming for Orion in Basic Input Language	Mar.65
Tech.Pub.5064	I.C.T. Orion Programming Exercises (Symbolic Input)	Aug. 65
TL 721	I.C.T. Orion Opus Manual	April 65