
<table>
<thead>
<tr>
<th>DATE</th>
<th>CUSTOMER</th>
<th>APPLICATION</th>
<th>(*) = on line</th>
</tr>
</thead>
<tbody>
<tr>
<td>1965</td>
<td>G. Maunsell &amp; Partners</td>
<td>Civil engineering calculations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>Research &amp; testing peripherals &amp; production tech.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>Training maintenance engineers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>Software development</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British Telecommunications Research</td>
<td>Research in telecommunications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aircraft Research Association</td>
<td>Research &amp; design calculations</td>
<td></td>
</tr>
<tr>
<td>1966</td>
<td>British Coal Utilisation Research Association</td>
<td>Combustion research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British Scientific Instrument Research Association</td>
<td>Operational research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shoe &amp; Allied Trades Research Association</td>
<td>Production planning, research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Signals Research &amp; Development Establishment</td>
<td>Satellite communications</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Univ. of Edinburgh (Dept. of Machine Intelligence &amp; Perception)</td>
<td>* Advanced programming research (Inter-active)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dundee Technical College</td>
<td>Research &amp; teaching</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Northern Polytechnic</td>
<td>Teaching &amp; research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Accounts &amp; statistics of telegraph messages</td>
<td></td>
</tr>
<tr>
<td></td>
<td>National Physical Laboratory</td>
<td>* Study of 'conversational' programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>* Training simulator research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Research in nuclear physics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Stock control &amp; victualling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British Hovercraft Corporation</td>
<td>Hovercraft design &amp; research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fisons Fertilisers Ltd.</td>
<td>Simulation &amp; linear programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td>British Petroleum Ltd.</td>
<td>Research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Humphreys &amp; Glasgow Ltd.</td>
<td>Calculations for chemical, mech. &amp; civil engineering</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NCR Elliott Computer Workshops Ltd.</td>
<td>Bureau service</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NCR</td>
<td>Systems development</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Service bureau</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Racal Electronics Ltd.</td>
<td>General electronics research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Investment &amp; securities records. General accounting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Imperial Tobacco Co.</td>
<td>Research statistics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 computers: Ministry of Aviation</td>
<td>* Message switching</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Ministry accounting &amp; administration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NCR Service bureau.</td>
<td>Applications development</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Production control</td>
<td></td>
</tr>
<tr>
<td></td>
<td>An NCR Customer</td>
<td>Stock control &amp; customer invoicing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Schwedt Oil Refinery (German Dem. Rep.)</td>
<td>* Refinery control res. (Vehicle mounted system)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>Research &amp; testing peripherals &amp; prod. techniques</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ministry of Electrical Power (Rumania)</td>
<td>Electrical network calculations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Australian Sales Research Bureau Ltd. (Australia)</td>
<td>Market research</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Undisclosed (Hungary)</td>
<td>Undisclosed</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elliott-Automation Ltd.</td>
<td>Software development</td>
<td></td>
</tr>
</tbody>
</table>

ON ORDER, as at end-1966:

<table>
<thead>
<tr>
<th>An NCR Customer</th>
<th>Accounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>An NCR Customer</td>
<td>Civil engineering calculations</td>
</tr>
<tr>
<td>An NCR Customer</td>
<td>Accounting &amp; statistics</td>
</tr>
<tr>
<td>A Public Utility</td>
<td>* Distribution control system</td>
</tr>
<tr>
<td>Ministry of Defence</td>
<td>* Naval training simulator</td>
</tr>
</tbody>
</table>
Munich City Council (Federal German Rep.) * Second system in road traffic control hierarchy
Elliott-Automation Ltd. Computing service
A Public Utility * Integrated telemetry & control system
Imperial Smelting Corporation * Control of zinc smelting plant
An NCR Customer Spare parts control
NCR Service bureau & inventory control
An NCR Customer Local authority applications
NCR Service bureau
An NCR Customer Financial
An NCR Customer Stores control
An NCR Customer General accounting
An NCR Customer Accounting & statistics
An NCR Customer General accounting, stock evaluating etc.
An NCR Customer Customers orders, stock records & forecasting
An NCR Customer Accounting
An NCR Customer Invoicing, sales ledger
An NCR Customer Accounting & statistical analysis
An NCR Customer Co-ordination of sales & production
An NCR Customer Accounting
An NCR Customer Accounting
An NCR Customer Stamp redemption accounting at branch level
A Training College Teaching & research
Ove Arup & Partners Consulting Engineers Design calcs., structural anal., q’tity surveying etc
Kingston College of Technology General research, teaching, business studies
Aberdeen University (Dept. of Natural Philosophy) * Study of human concept formation processes
Robert Gordon’s Colleges Research & teaching
U.K.A.E,A.-Springfield Undisclosed
British Paper & Board Industries Res. Assoc. Data analysis & linear prog. on paper trim problems
Hunting Engineering Ltd. Project planning
Motor Industries Research Association Structural analysis and analysis of wind tunnel tests
Barking College of Technology Teaching & education
British Electric Transformer Co. Ltd. Design, production & organisation control
An NCR Customer Analysis of record returns from farmers
An NCR Customer Circulation & advertising statistics
An NCR Customer Deposit & loan accounting

* = on line.

Summary of NCR/Elliott 4120 computers and ARCH 2020 Industrial Control Systems, up to the end of 1966:
delivered: 40
on order: 40
total: 80

(b). Partial listing of NCR/Elliott 4130 computers on order, as at the end of 1966.

<table>
<thead>
<tr>
<th>DATE</th>
<th>CUSTOMER</th>
<th>APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1966</td>
<td>Sussex University (Dept. of Exp’l. Psychology)</td>
<td>* Study of animal behaviour</td>
</tr>
<tr>
<td></td>
<td>Csepel (Hungary)</td>
<td>Data processing &amp; production control</td>
</tr>
<tr>
<td></td>
<td>Keele University</td>
<td>Speech analysis &amp; human response studies</td>
</tr>
<tr>
<td></td>
<td>Aberystwyth University</td>
<td>Research &amp; teaching</td>
</tr>
<tr>
<td></td>
<td>Warwick University</td>
<td>Research &amp; teaching</td>
</tr>
<tr>
<td></td>
<td>York University</td>
<td>Administration, teaching &amp; research</td>
</tr>
<tr>
<td></td>
<td>Reading University</td>
<td>Research &amp; teaching</td>
</tr>
<tr>
<td></td>
<td>Bangor University</td>
<td>Research &amp; teaching</td>
</tr>
<tr>
<td></td>
<td>Kent University</td>
<td>Numerical analysis</td>
</tr>
</tbody>
</table>
Queen’s College, Dundee
Elliott-Automation Ltd.
National Research Inst. for Computer Techniques & Automation (Czechoslovakia)
NCR
An NCR Customer
An NCR Customer
Elliott-Automation Ltd.
Cambridge University
Leicester University
Royal Observatory (Edinburgh)

* Multi-access computing system
Project control management information
Commercial & scientific data processing
Bureau & sales calculations
Research into computing science
Stock information & vehicle scheduling
Undisclosed
Customer demonstration & software development
* Hybrid system for research into process control.
Advanced research in teaching, space research
* Control of telescopes & photographic instruments

* = on line.
