

**Delivery lists and applications of the BTM HEC computers and the BTM / ICT 1200 series.****Introduction.**

The British Tabulating Machine Co. Ltd. (BTM) became interested in stored-program electronic digital computers in 1951. Their first foray into the market was with a machine called HEC2M, where 'HEC' stood for 'Hollerith Electronic Computer'. This led to the HEC4, which was soon re-named the BTM 1200 series. This, in turn, was re-named the ICT 1200 series in 1959, when BTM and Powers-Samas merged to form International Computers and Tabulators (ICT). More historical and architectural details are given in section T1X2.

Precise information on deliveries of the HEC2M has not yet come to light. It is believed that about seven machines were built and that their destinations were as follows:

early 1955	GEC Research Laboratories, Wembley
July 1955	ESSO Refinery, Fawley, Hampshire
(date?)	Royal Aeronautical Establishment, Twinwood, Bedford
(date?)	Aeronautical Research Association, Manton Lane, Bedford
(date?)	Ministry of Aviation, St Giles Court, London
(date?)	Royal Aeronautical Establishment, Boscombe Down, Wiltshire
(date?)	Indian Statistical Institute, Calcutta (?)

Then came the HEC4 computer, which was a radically enhanced HEC2M so as to make it more suitable for business data processing, the main market area of interest to BTM. The first HEC4, soon known as the BTM 1201, was delivered to a customer in November 1956.

Then from late 1957 the capacity of the BTM 1201's drum store was doubled and the resulting upgraded machine was known as a BTM 1202. At least 43 of these upgraded computers were built. The BTM/ICT 1202 deliveries, as far as can be determined, are given later in this section, after the BTM 1201 listings. It is believed that over 80 of the 1200 series machines were eventually sold, making them the most popular British-designed small business computers of the late 1950s.

*(Lists begin on the next page)*

## Deliveries of BTM/ICT 1201.

<i>Ordered by</i>	<i>delivery date</i>	<i>Application</i>
International Computers & Tabulators Ltd., Technical Division, Bradenham, Bucks.	1956	Programme testing, training
The Morgan Crucible Co. Ltd., Battersea, London	1956	Salary payroll for 900, weekly payroll for 2500, customers' statements and stores control; later: production planning and control
Monsanto Chemical Ltd., London	1957	Weekly and monthly payrolls, production cost reports; routine accounting procedures
British Railways, Western Region, Paddington, London	1957	Payroll for about 11,000 weekly paid employees in the London area
Imperial Chemical Industries Ltd., Alkali Div., Northwich, Cheshire	1957	Construction costs, job costs, sales research
Ministry of Aviation. Accountant General's Branch, Chessington, Surrey	1957	Payroll for 8500 monthly paid staff at the Ministry's headquarters: to be followed by payroll for 20,000 more weekly and monthly paid staff
Provincial Administration of the Cape of Good Hope, Republic of South Africa	1957	Payroll for about 25,000 teachers, to be followed by the payroll of doctors and nurses
Irish Sugar Co. Ltd., Thurles, Eire	1957	Daily accounting, costing stores accounts, credit balances, production control for 4 factories and 30,000 farmers
Shell Refining Co. Ltd., Shellhaven, Essex (1)	1957	Oil stock accounting; order stock control, payroll, costs, statistics
Shell Refining Co. Ltd., Shellhaven, Essex (2)	Delivered	Oil stock accounting, order stock control, payroll, costs, statistics
Guest Keen & Nettlefolds (Midlands) Ltd., Birmingham	1957	Weekly payroll for 7000 costing
West Riding of Yorkshire County Council. Wakefield	1957	Highway payroll and labour costing; payroll for 10.000 teachers
British Railways, Western Region, Bristol	1957	Payroll for about 11,000 weekly paid employees
General Electric Co. Ltd., Birmingham	1958	Weekly payroll for 7500: experimental work on production control
Ministry of Agriculture, Fisheries & Food, Guildford, Surrey (1)	1958	Calculation of Fatstock Guarantee Scheme and Fertilizer Scheme subsidy payments; weekly and monthly payroll of 14,000; statistics
Ministry of Agriculture, Fisheries & Food. Guildford. Surrey (2)	1958	Calculation of Fatstock Guarantee Scheme and Fertilizer Scheme subsidy payments; weekly and monthly payroll of 14,000; statistics
Middlesex County Council, London (1)	1958	Payroll for 40,000
Middlesex County Council, London (2)	1959	Payroll for 40,000
South West Regional Hospital Board, Bristol	1958	Stock control, monthly payroll to follow
British Timken Ltd., Northampton	1958	Wages, costing, production control

		and financial analysis of orders and sales
Her Majesty's Stationery Office, London	1958	Stores provisioning and accounting statistics
General Post Office, Supplies Department, London	1958	Stores control and stock provisioning
British Railways, North Eastern Region, Darlington, Co. Durham	1958	Weekly payroll for about 40,000 traffic staff
General Motors S.A Ltd., Republic of South Africa	1958	Scheduling production material
Nottinghamshire County Council	1958	Payment of 1000-1500 creditors weekly; payroll; accounting and statistical work; costing
Commonwealth Bureau of Census Statistics, Australia	1958	Import and export statistics; revenue and expenditure analysis
Birmingham City Treasurer	1959	Payroll for 2300 monthly paid and 10,000 weekly paid employees; work for transport and education depts; calculation of unit process; also pricing and summarizing to expenditure headings of about 15,000 stores issues per week
Brighton Corporation	1959	Payrolls
Ministry of Finance, Belfast, Northern Ireland	1959	Payroll and livestock guarantee and subsidy payments
H.M Nautical Almanac, Hurstmonceaux, Sussex	1959	Astronomical tables
Noble Lowndes & Partners, London	1959	Hire purchase analysis and actuarial calculations.
International Computers & Tabulators Ltd., Melbourne, Australia	Jan.1960	Program testing, service work
British Insulated Callender (Construction) Ltd., Manchester	Delivered	Materials scheduling
Consolidated Textile Mills, Republic of South Africa	Delivered	General accounting
The Computer Centre, Johannesburg, Republic of South Africa	Delivered	Service work
New Zealand Department of Education, Wellington, New Zealand	Delivered	Teachers' salaries
South African Railways, Johannesburg, Republic of South Africa	1961	Freight analysis, ticket audit, pension fund accounting
International Computers & Tabulators Ltd., (factory) Southport, Lancs.	Delivered	Production control

Total in the above Table: 38 BTM/ICT 1201 machines. Source of the data: *Computer Survey*, June 1962 pages 21-22.

(... continued on next page)

## Deliveries of ICT 1202 computers.

<b>Ordered by</b>	<b>delivery date</b>	<b>Application</b>
ICT 1202 Durban City Council, Republic of South Africa	1959	Water, gas, electricity, billing; payroll
Henry Wiggins & Co. Ltd., Hereford	1959	Non-ferrous metals order analysis
Montague Burton Ltd., Leeds (1)	Oct.1959	Credit sale accounting for 600 retail branches
Montague Burton Ltd., Leeds (2)	On order	Credit sale accounting for 600 retail branches
Crane Ltd., London	1959	Sales accounting, payroll
ICT Midland Data Processing Bureau, Birmingham	1960	Machine available for hire on hourly charge basis
ICT Computer Centre, Putney, London	1960	Service, programme testing
The United Steel Cos, Ltd., Sheffield	1960	Wages and salaries, payroll, distribution costing, production control
South African Iron & Steel Industrial Corporation (ISCOR), Johannesburg, Republic of South Africa	May 1960	?
Pilkington Brothers Ltd., St. Helens, Lancs.	June 1960	Production control and industrial mathematics
Manchester Corporation	Aug.1960	Transport payroll, examination results
Ruston Bucyrus Ltd., Lincoln	1960	Payroll, distribution costing, production control
C.T Bowring (Insurance) Ltd., London	1960	Underwriting and insurance accounting, payroll
South African Railways and Harbours, Johannesburg, Republic of South Africa	1960	Payroll
Department of Agriculture, Edinburgh, Scotland	1960	Fatstock guarantee payments, cereal deficiency payments, agricultural statistics, payroll
La Cite Vie, Strasbourg, France	1960	Insurance accounting, statistics, premium advice
South African Railways, Port Elizabeth, Republic of South Africa	Dec.1960	Payroll, stores accounting, costing
City of Cardiff Corporation	Aug.1961	Council payroll of 10,000 weekly and salaried staff; stores accounts; rate accounts; costing and expenditure analyses leading to an integrated system of mechanized income and expenditure ledgers
International Computers and Tabulators Ltd., (factory) Castlereagh, Northern Ireland (1)	Delivered	Production control, payroll, marketing payments
International Computers and Tabulators Ltd., (factory) Castlereagh, Northern Ireland (2)	On order	Production control, payroll, marketing payments
International Computers and Tabulators Ltd., (factory) Letchworth, Herts. (1)	Delivered	Production control
International Computers and Tabulators Ltd., (factory)	Delivered	Production control

Letchworth, Herts. (2) International Computers and Tabulators Ltd., (factory) Croydon, Surrey (1)	Delivered	Production control
International Computers and Tabulators Ltd., (factory) Croydon, Surrey (2)	On order	Production control
Anderson Boyes & Co. Ltd., (Motherwell or Glenrothes) Scotland	On order	Stock and production control and payroll calculations
Werner und Mertz, Mainz, Germany	On order	Invoicing and accounting
Armstrong Siddeley Motors Ltd. Carreras Ltd., London	On order On order	? Invoicing stores, payroll
Hunting Aviation Management Ltd., Luton, Beds	On order	Payroll, stores, aerodynamic calculations
Southern Rhodesian Government Treasury, Salisbury, Federation of Rhodesia	On order	?
East African Railways and Harbours	On order	General accounting
Crosfields and Calthrop Ltd., Liverpool	On order	Production control and linear programming of animal food-stuff mixes
Etablissements Thibaud Gibbs Fragim et Cie., Paris, France	On order	Invoicing, sales accounting, stock control, vehicle loading, payroll, etc.
Credit Agricole, Avignon, France	On order	Banking tasks, including interest calculation
South African Railways, East London Republic of South Africa	On order	Payroll, stores accounting costing
A.G. Grappa, Milan, Italy	On order	?
Caisse Interprofessionnelle de Preveyance de Cadres, France	On order	?
Sauvier Duval, France	On order	?
Southend-on-Sea Corporation	On order	Payroll of 3000 weekly and 3000 monthly paid staff; stores records; costing and expenditure analysis; rate assessments and demands
Scottish Amicable Life Assurance Ltd., Economie Bretonne, Brest, France	On order	?
International Computers & Tabulators Ltd. (factory), Dartford, Kent	On order	Branch invoicing, stock control Production control
Electro-Hydraulics Ltd., Warrington, Lancs. (Member of Owen Organization)	On order	Production control

Total in the above Table: 43 ICT 1202 machines. It is believed there were further orders so this list is probably incomplete. Source: *Computer Survey*, June 1962 pages 22-23.