

Computers as Platforms for Social Innovation

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Science Museum



Making the Modern World

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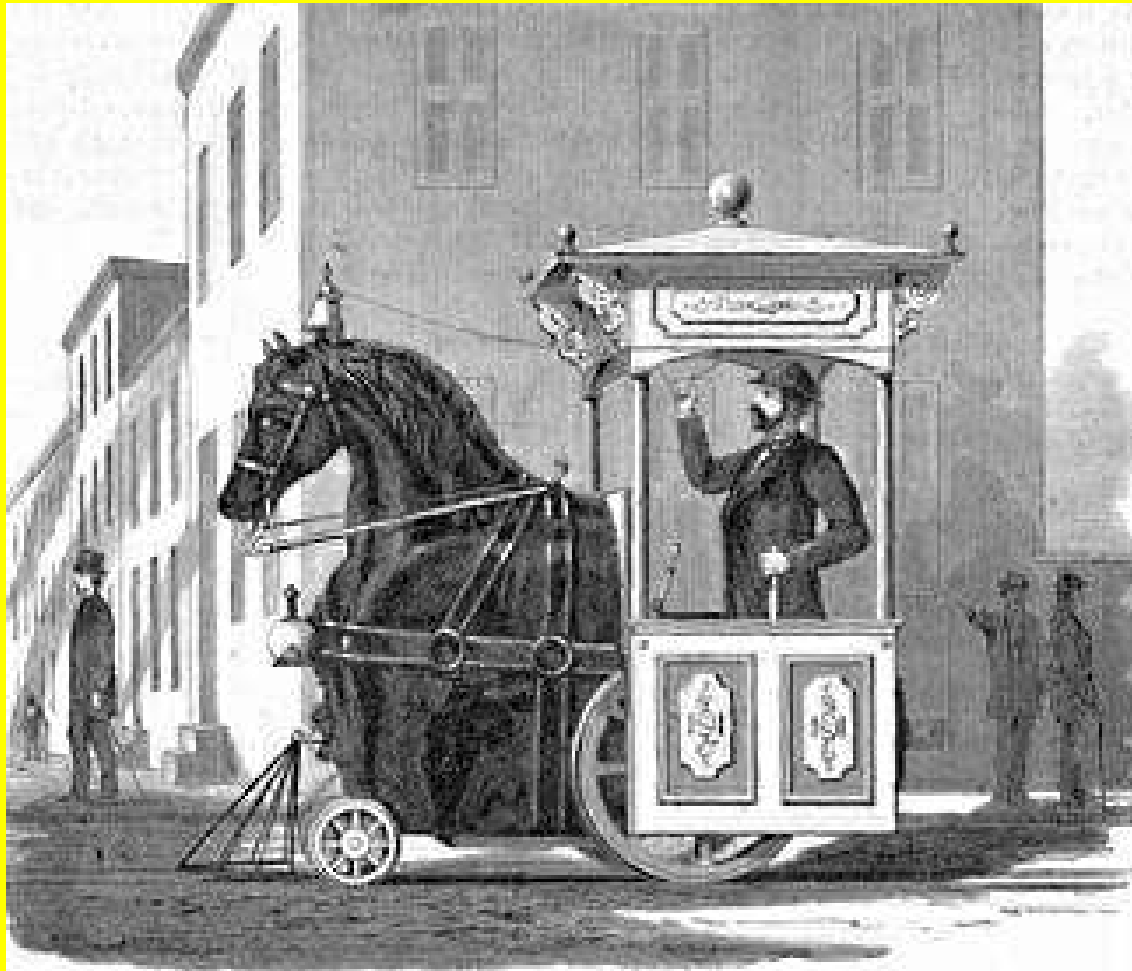
Wired, 2000



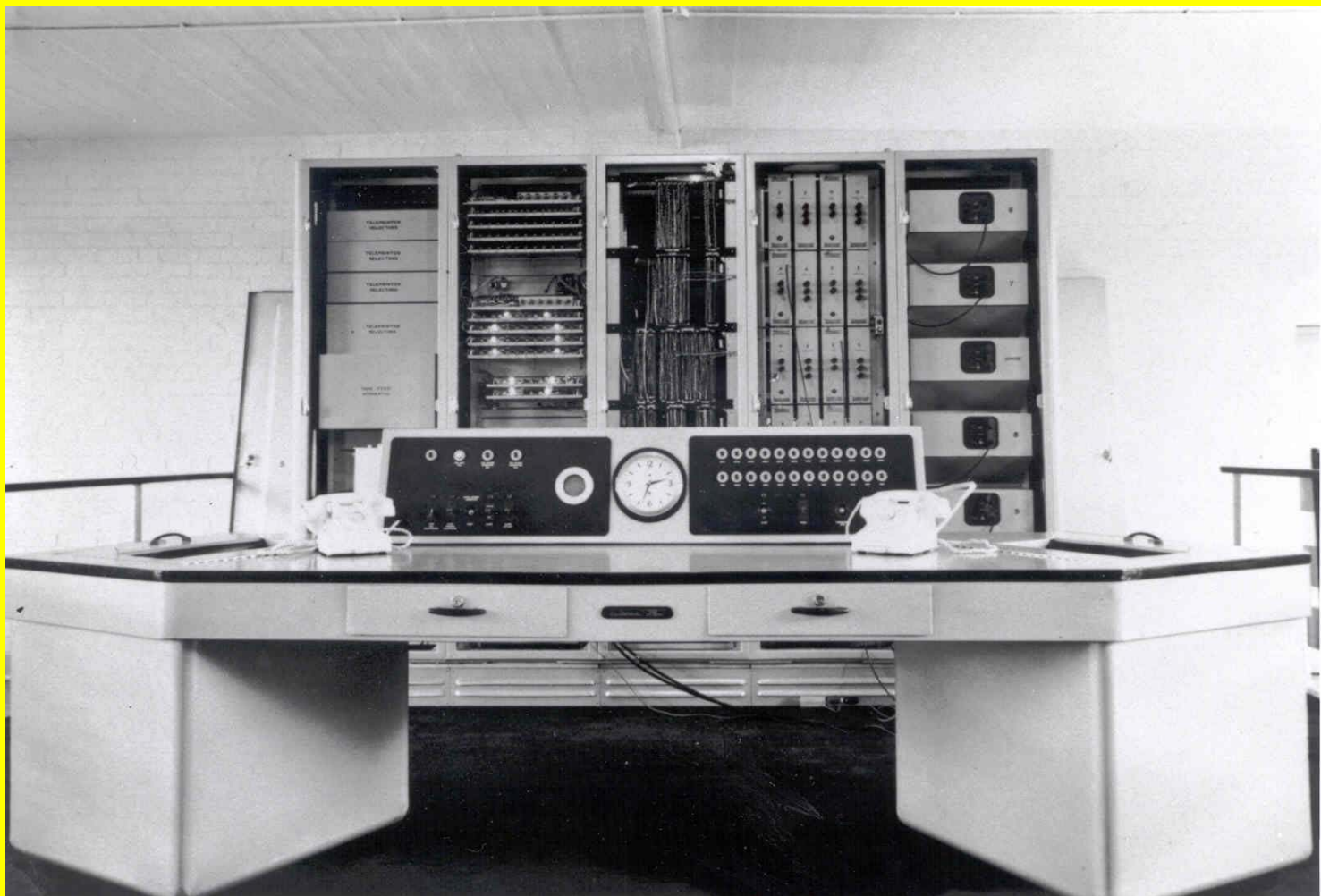
March of Intellect, 1829



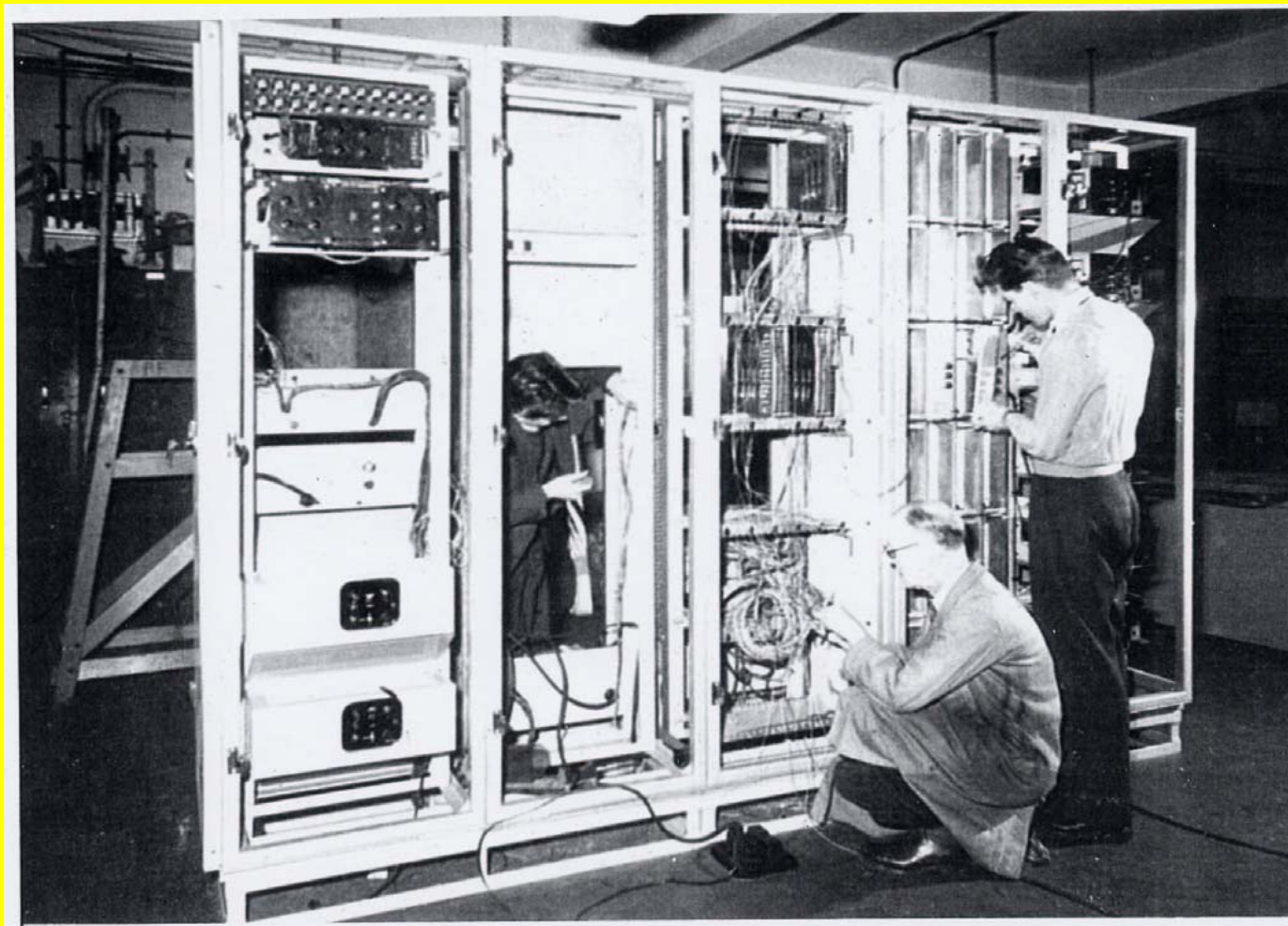
Steam powered horse, 1876



ERNIE 1, 1956



ERNIE 1 at Dollis Hill



Harold Macmillan, Nov 1956



ERNIE 2, 1973



ERNIE 2



ERNIE 3, 1988



F International's policy, 1983

‘to utilise, wherever practicable, the services of people with dependents who are unable to work in a conventional environment.’



BBC micro, 1982



Making the most of the micro



BBC micro in schools



BBC micro advertisement

Three out of every four computers going into schools are BBC Micros. Is there a lesson to be learned by every user?

As part of the current government subsidised scheme aimed at introducing micros to schools, the Department of Industry undertook a survey of machines available and made recommendations to education authorities all over the country.

The BBC Micro met their priorities exactly: it is economical yet fast and powerful, and it can justify the investment involved, through its capability to grow with the needs of the user and with the rapid changes in technology.

Teachers and education authorities agreed, and today it represents over three-quarters of all micros being ordered for schools across the country under the DOI scheme.

The BBC's choice too

In choosing a machine to put their name to for their massive Computer Literacy Project, the BBC had the same set of priorities as the DOI. The BBC Micro is now an integral part of that project, which includes books, software, courses and a number of major television series, one of which, "Making the Most of the Micro" is now being broadcast.

All this for only £399

The BBC Micro is light and compact. It generates high resolution colour graphics, and is capable of synthesising music and speech using its own internal speaker. The keyboard uses a conventional layout and typewriter feel.

The most sophisticated version (called

Model B) is available for only £399. (There is also a basic model available, the Model A, at £299.)

Designed to grow

Last year the magazine "Which Micro?" said that the most attractive and exciting feature of the BBC Microcomputer was its 'enormous potential for expansion'.

This is indeed one of the features that sets it aside from the competition.

For example, as well as interface sockets to allow you to connect to a cassette recorder, and to your own television, you can also use video monitors, disc drives, printers (dot matrix and daisy wheel) and paddles for games or laboratory use.

You can also plug in ROM cartridges containing games with specialist application programs.

The Tube, a unique feature

The Tube, which is unique to the BBC Micro, provides for the addition of a second processor via a high speed data channel. The possibilities are enormous. For example, the addition of a second

3MHz 6502 processor with 64K of RAM doubles processing speed. While a Z80 with 64K of RAM opens the door to a fully CP/M* compatible operating system, with all the benefits for business applications.

Linking up with other computers

The BBC Micro also offers a facility of immense potential value to schools, colleges and businesses. It's called Econet - a system which uses telephone cable to link with other BBC Micros. A number of machines can then share the use of expensive disc drive and printer facilities.

Make full use of Prestel & Teletext

With special adaptors you will not only be able to turn your TV set into a Prestel terminal and Teletext receiver, but you can also take data and programs direct from these services. (The programs, which are known as telesoftware, are already being broadcast by BBC's Ceefax service.) This is another first for the BBC Micro.

BASIC plus

A sophisticated version of BASIC has been chosen for the BBC Micro, which incorporates features normally found only in more advanced high level languages. However, there is also a facility allowing access through a simple command to another language - for example, PASCAL, FORTH and LISP.

*Trademark of Digital Research



A full range of software

Applications software for the BBC Micro already cover a very wide field. Packages covering games, education and business applications are available on cassette. All developed to the same high standards set by the hardware.

The best possible back-up
Your BBC Micro comes with the backing of the BBC and an extensive dealer and service network. Each approved dealer is able to offer advice and carry out expansion work and repairs.

BBC Microcomputer - Model A and Model B
2MHz 6502A Processor
32K ROM, 16K RAM Model A, 32K RAM Model B
Full QWERTY keyboard with 10 user-definable function keys
Mixed high resolution graphics and upper and lower case text
300 baud and 1200 baud interface for standard cassette recorders
Three-voice music synthesis with full envelope control feeding internal loudspeaker
Interface sockets (Model B only) - RS423, for analog inputs electronics and user port
6502, Z80, 16032 second processors
Single and Dual Disc Drives with 100 and 800 K-bytes storage
Teletext unit
Speech synthesis
Networking facility - via Acorn Econet*

How to buy your BBC Micro

If you are a credit card holder and would like to buy a BBC Micro B, or if you would like the address of your nearest stockist, just phone 01-200 0200.

Alternatively, you can buy a Model B directly by sending off the order form below to BBC Microcomputers, c/o Vector Marketing, Denington Estate, Wellingborough, Northants, NN8 2RL.

All orders are despatched by fully insured courier and come complete with easy to follow 500 page User Guide and Welcome cassette.

☎ 01-200 0200 credit card holders.

To BBC Microcomputers, c/o Vector Marketing, Denington Estate, Wellingborough, Northants NN8 2RL. Please send me _____ BBC Model B Microcomputers at £399 each, inc. VAT and delivery. I enclose P/V cheque payable to Acorn Computers Limited Readers A/C, or charge my credit card.

Card Number _____
Acorn Computer Card System (E) Ltd
 Name _____
 Address _____
 Postcode _____
 Signature _____ PC20
Registered No. 149 3816 VAT No. 213 692210

The BBC Microcomputer System.
 Designed, produced and distributed by Acorn Computers Limited.

Develop the harebrained
schemes

but remember to let the users
loose

