
Origins of Computer Science

David May

Pre-history

Pascal

Morland

Liebnitz

Poleni

Mathematical Tables

Babbage, the Difference Engine and the Analytical Engine

Punched card machines

Automatic Sequence Controlled Calculator

Aiken and Hopper

Logical Formalism

George Boole

Jevons and the Logical Piano

Claude Shannon and Relays

McCullough-Pitts Neurons

Universal Computers

Kurt Godel

Alan Turing

John Von Neumann and EDVAC

J Presper Eckert, John Mauchly and ENIAC

Stored Programs

ACE

Tom Kilburn, Freddie Williams and the Manchester Baby

Maurice Wilkes and EDSAC

BINAC

UNIVAC

Technology - switches

Relay

Triode

Transistor

Integrated circuit

Technology - Storage

Delay line

Williams tube

Selectron

Magnetic core

The post-1950 revolution

Universal logical machine

Universal representation of information

Effective design formalisms

Efficient Implementation technology