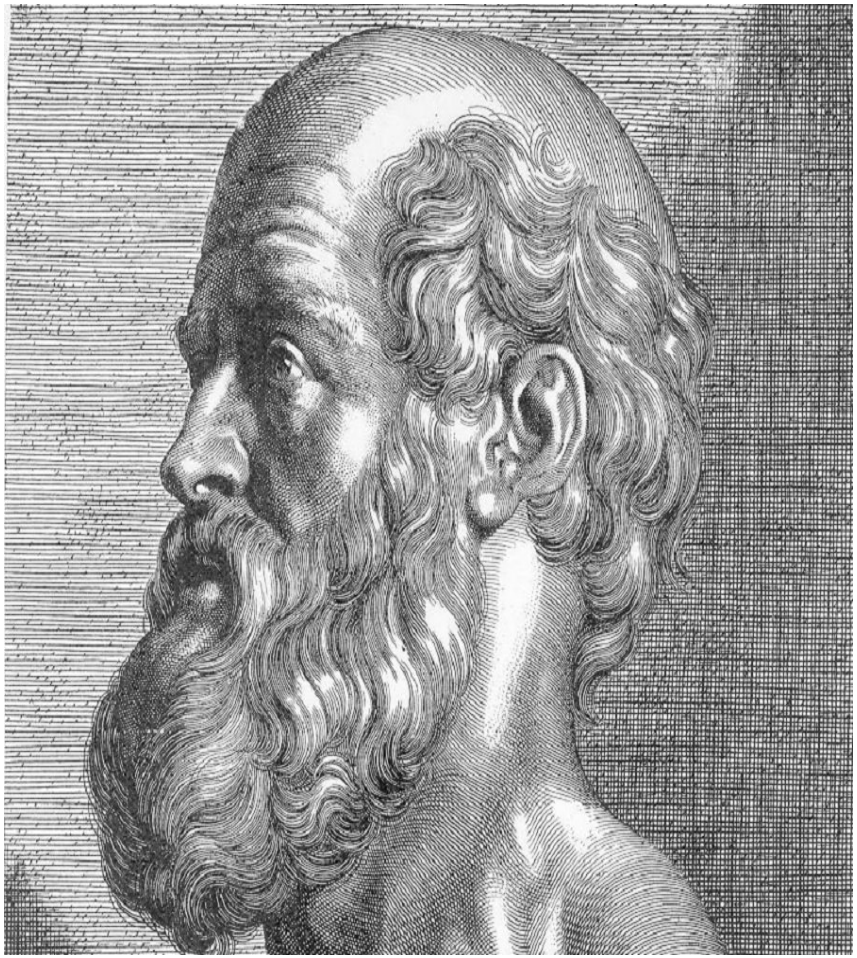
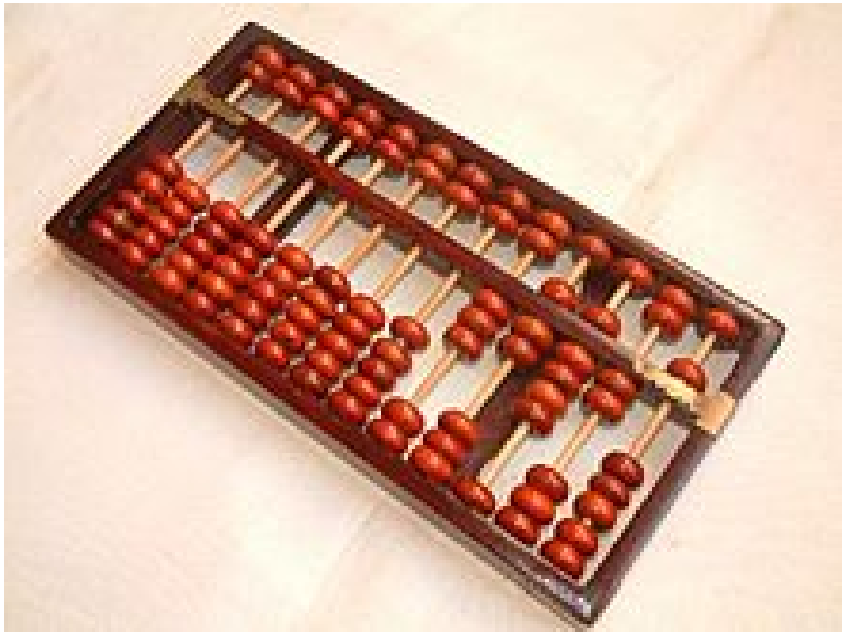
Healing Power
&
Computer Power
Down the Ages

Drs Battcock and Main

12th October 2016 (AD)

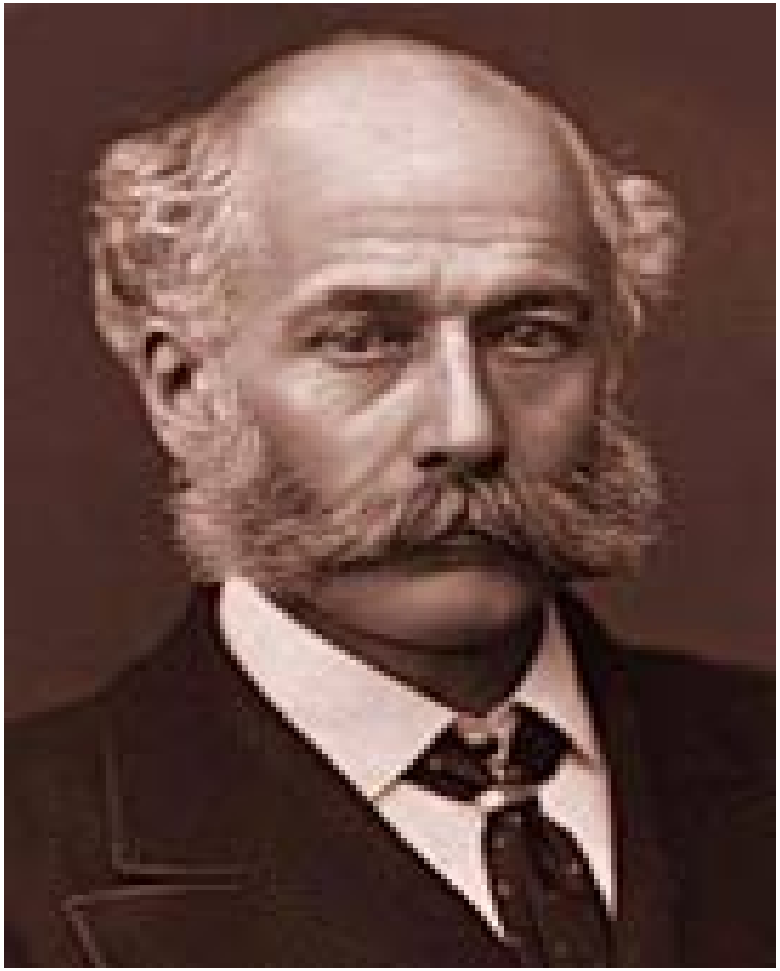
Ancient Greece



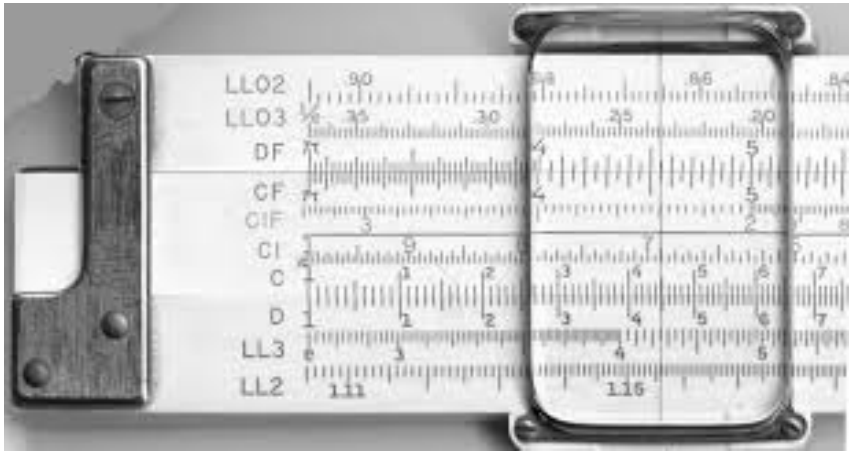


1500

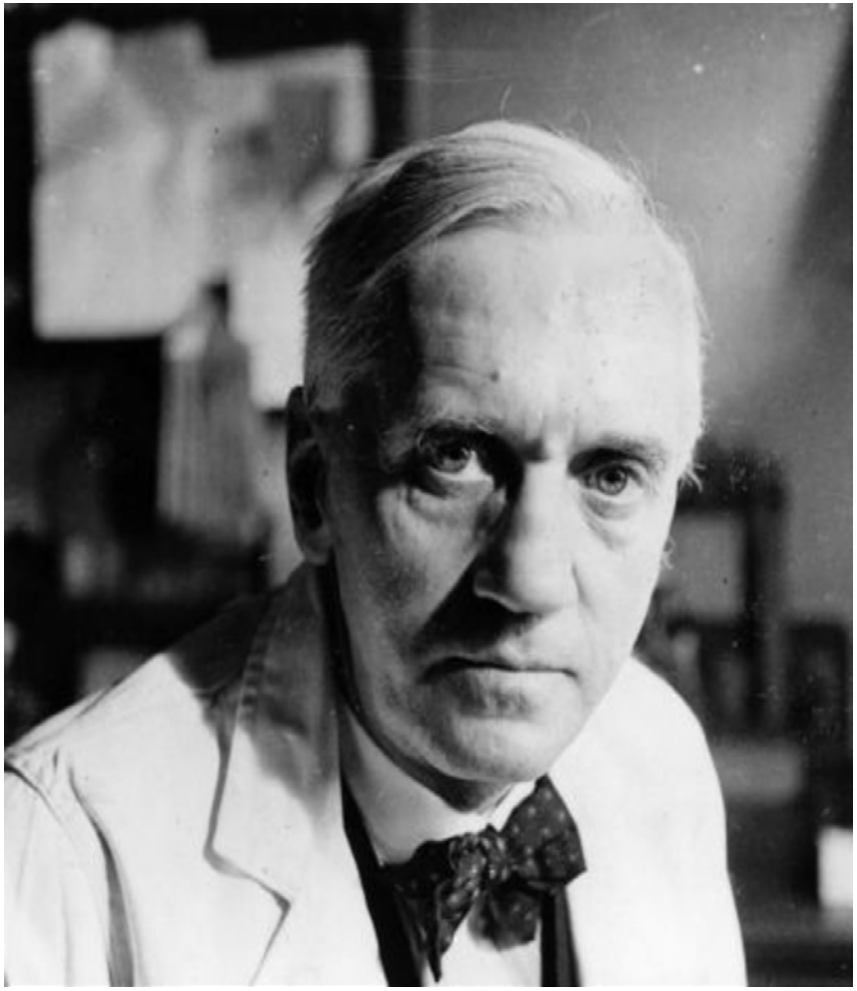
1800



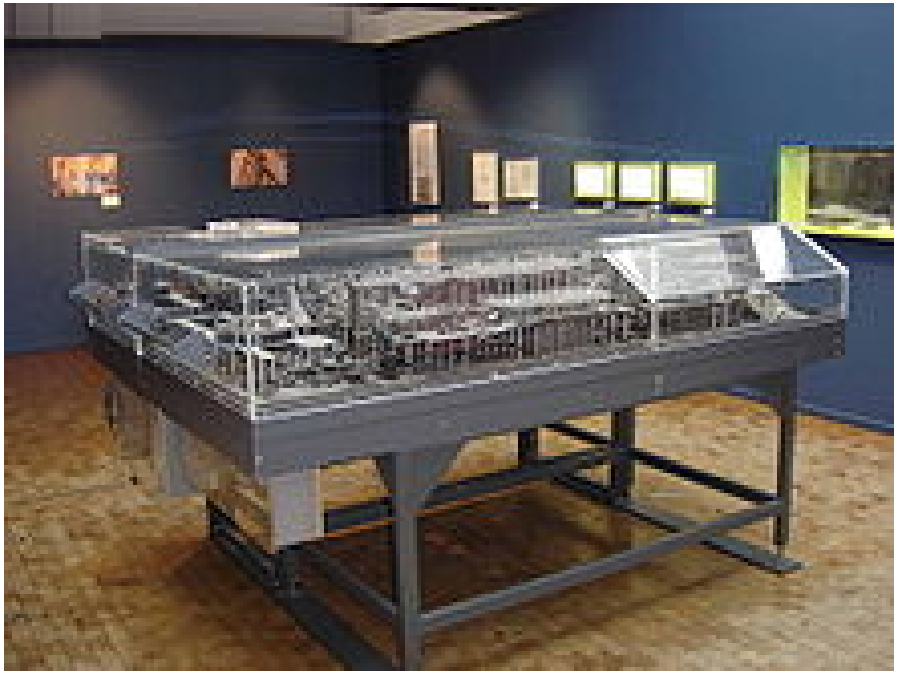
- Slide Rule
- 0.1 Maths IPS



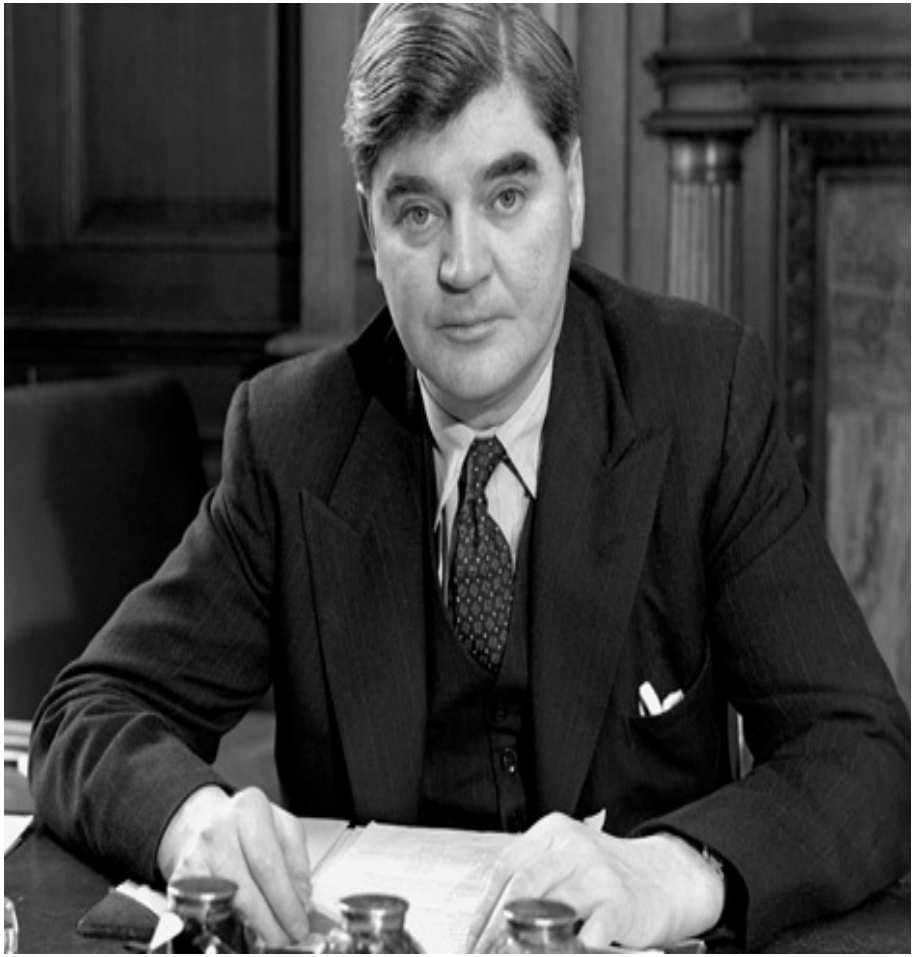
1930



- Konrad Zuse Z1
- 0.3 Maths IPS



1960



- Ferranti-Plessey-University of Manchester Atlas Computer
- 600,000 Maths IPS

1980

- Cray XMP-48 Supercomputer
- 420,000,000 Maths IPS

1990

- Intel Touchstone Delta
- 160,000,000,000 Maths IPS

2000

- Earth Simulator
- 122,000,000,000,000 Maths IPS

2010

- iPhone
  2007
  400,000,000

- iPhone 4
  2010
  800,000,000 Maths IPS

- iPhone 6
  2015
  33,600,000,000 Maths IPS

The future

- Artificial Intelligence to diagnose illness and prescribe treatment as well as a human doctor?
- “From now to the time Computing Artificial Intelligence would model the entire human brain…”
- … 30 years, in 1960.
- … 30 years, in 2016.
- Not to mention socialis-ation: eg 2, 4, 6, 8, ?
- Don’t give up the day job.