

History of Computing and Operating Systems

CS 537

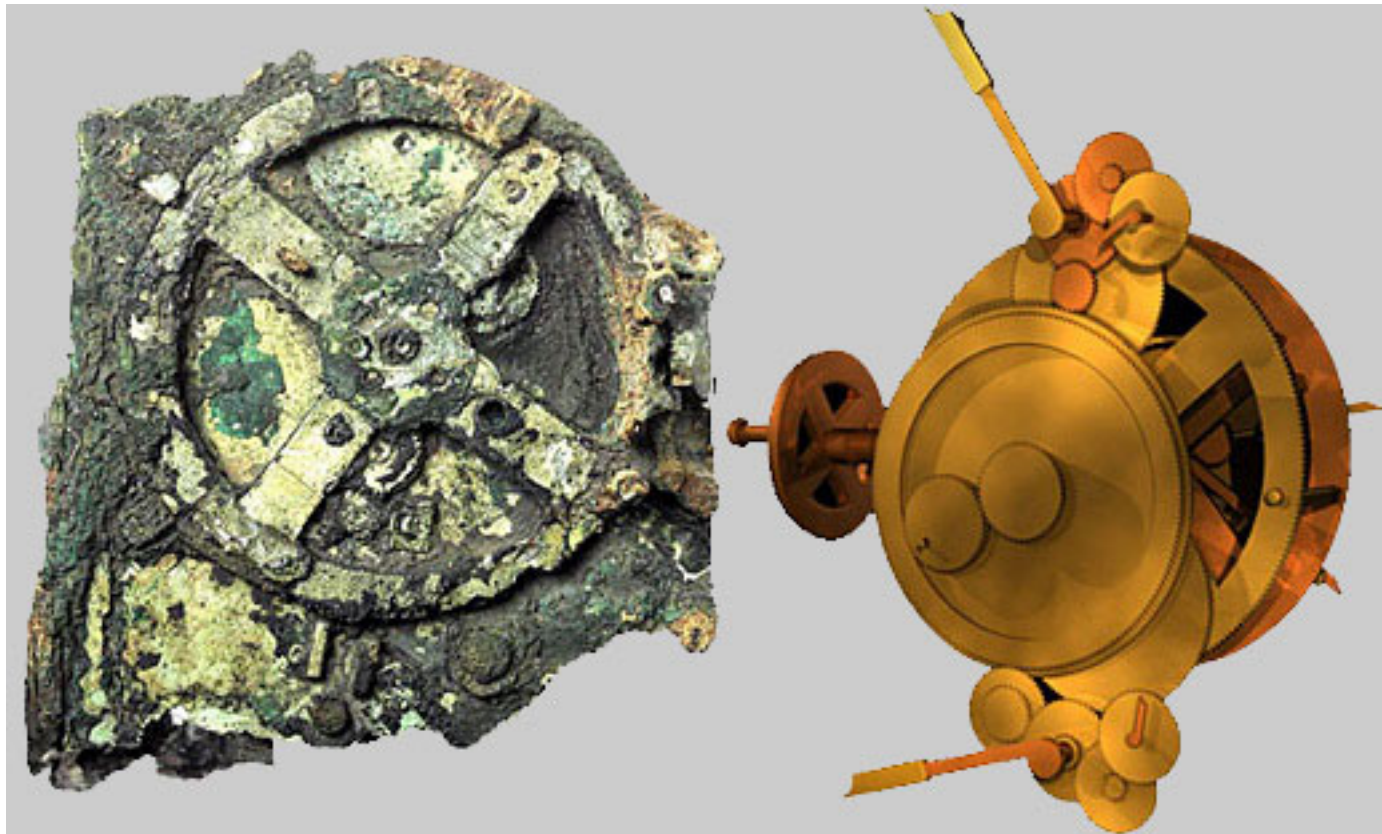
Operating Systems

Michael Swift

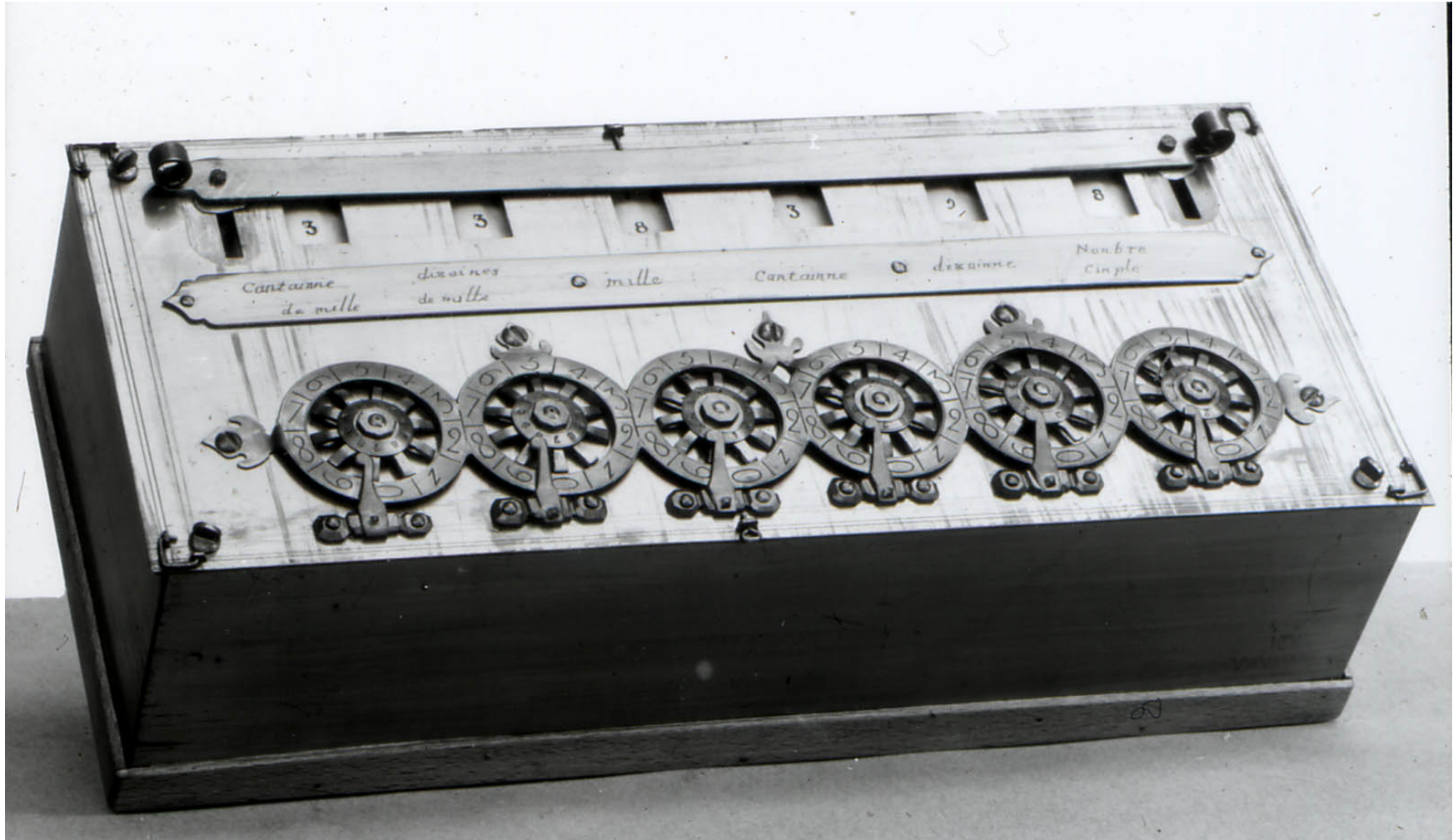
Abacus – 2700 BC



Antikythera – 65 BC



Pascal Calculator - 1645



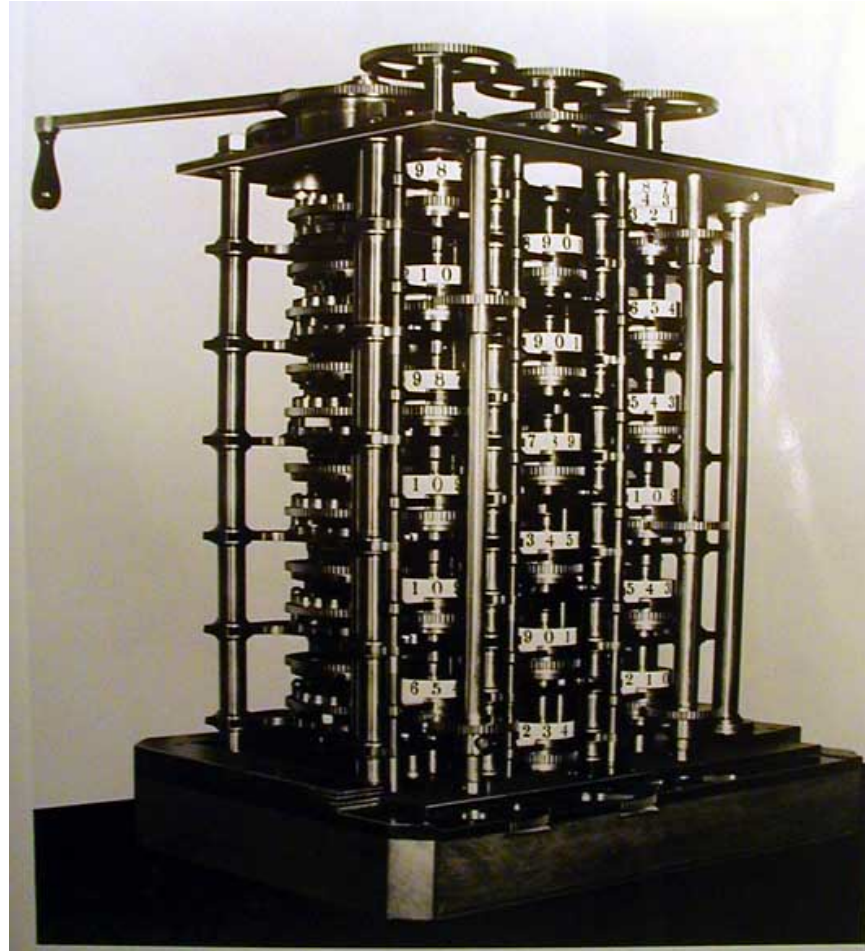
Jacquard Loom - 1801



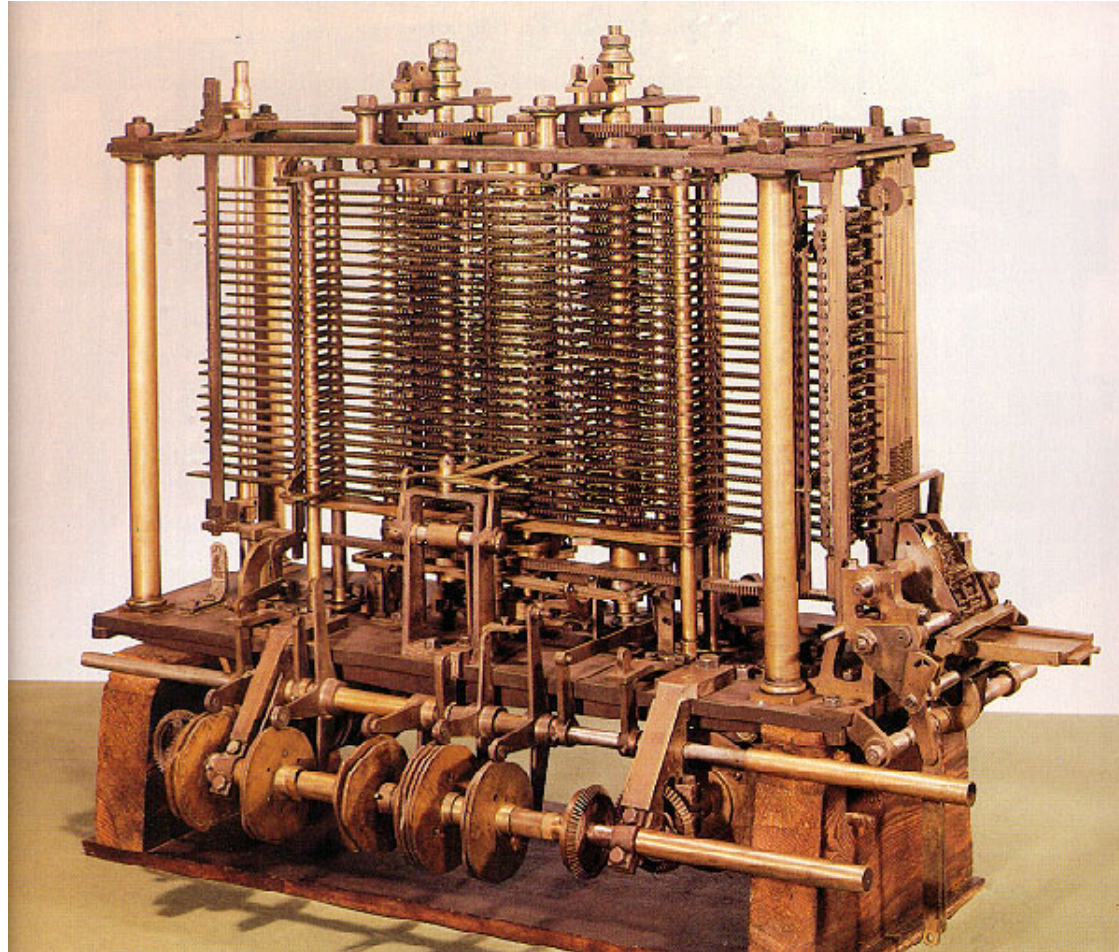
Hollerith Tabulator - 1889



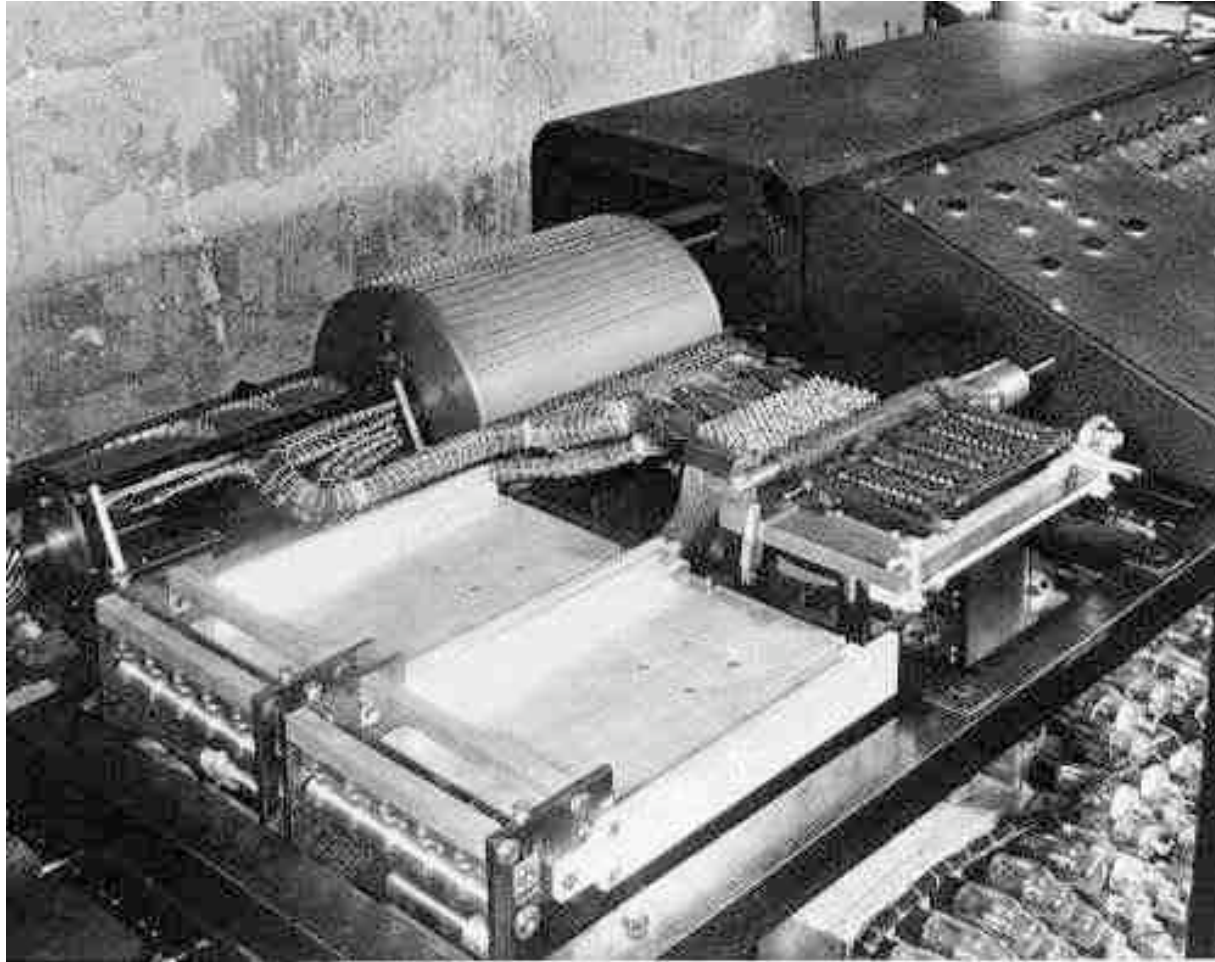
Babbage – Difference Engine - 1849



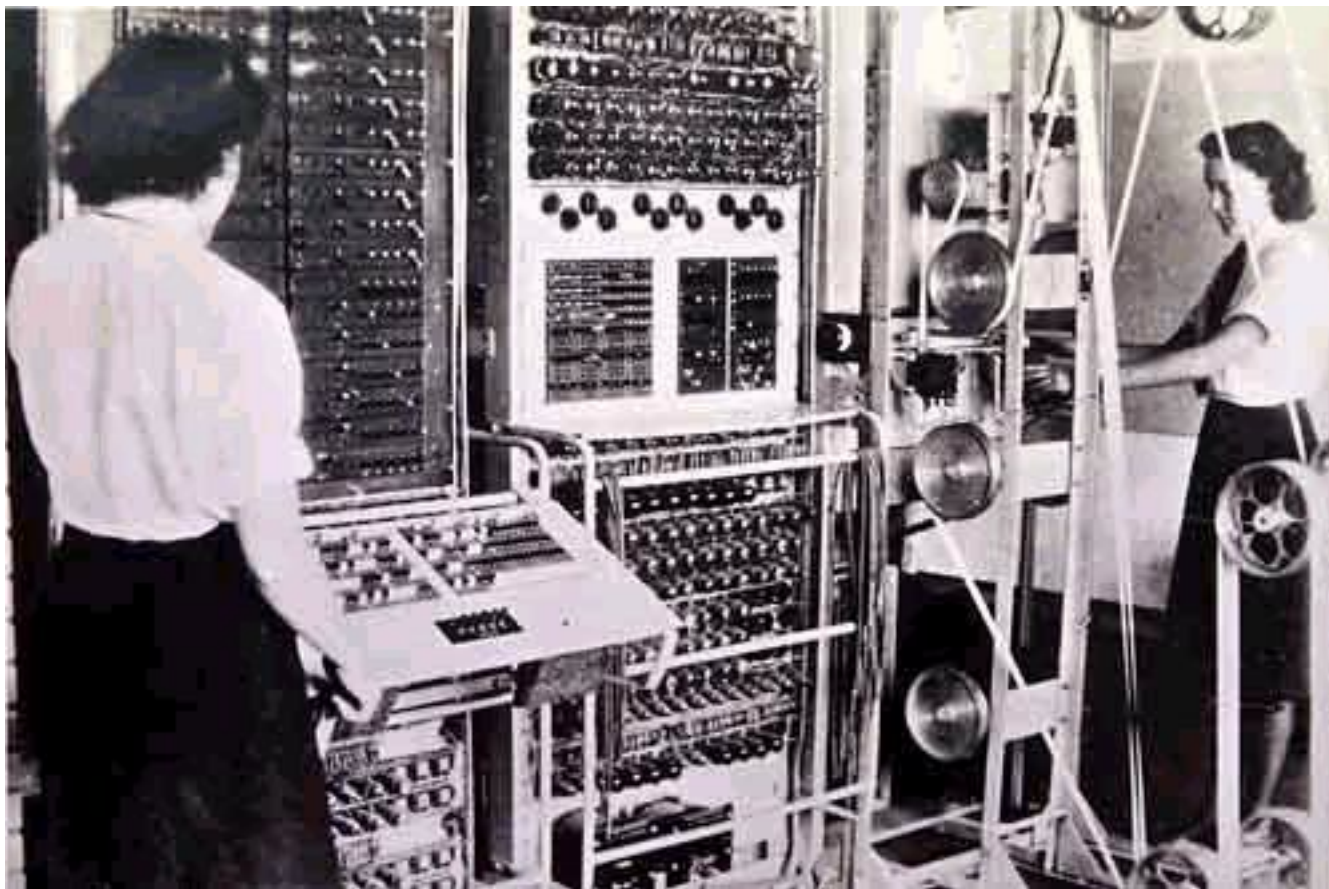
Babbage – Analytical Engine - 1871



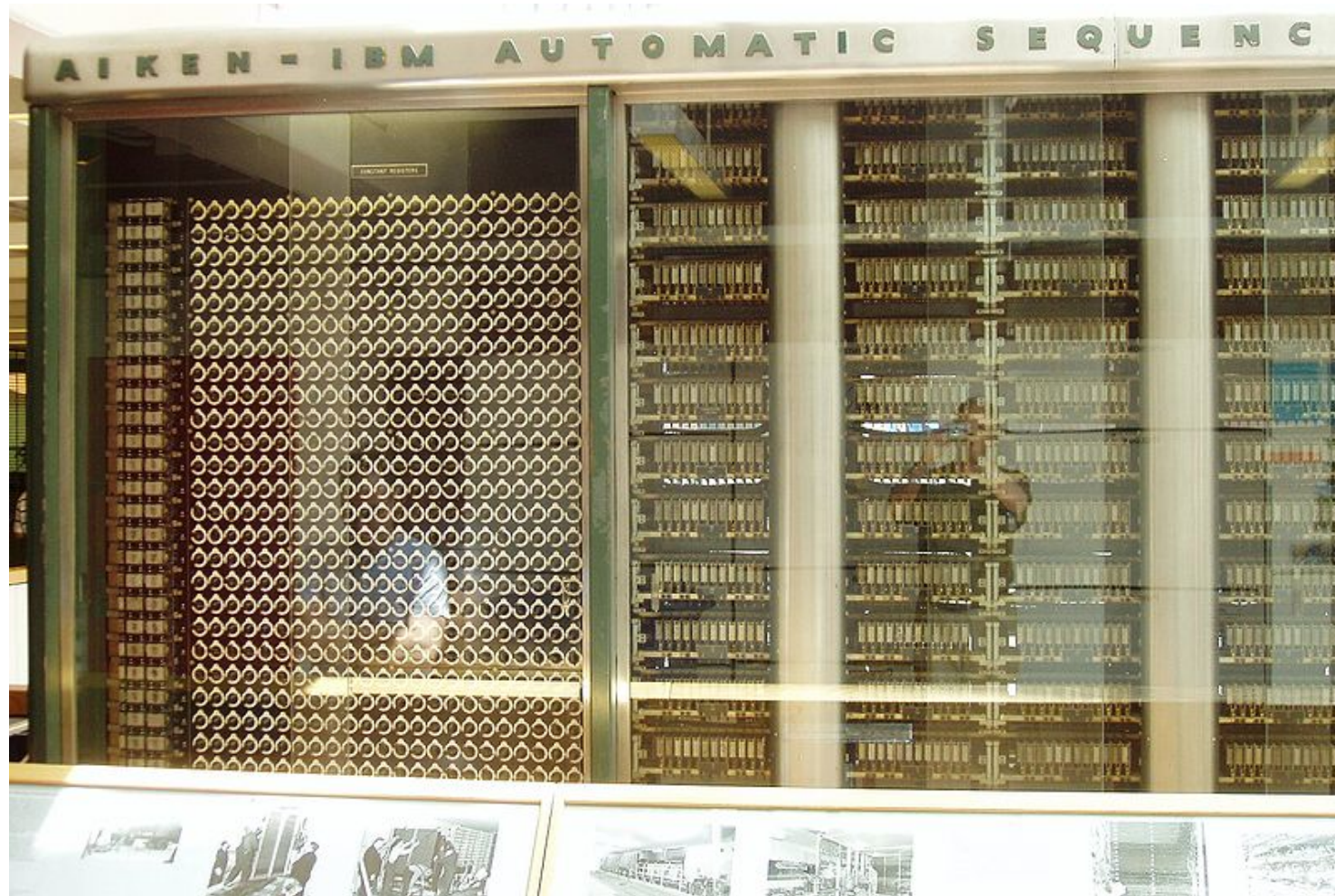
Atanasoff-Berry Computer - 1937



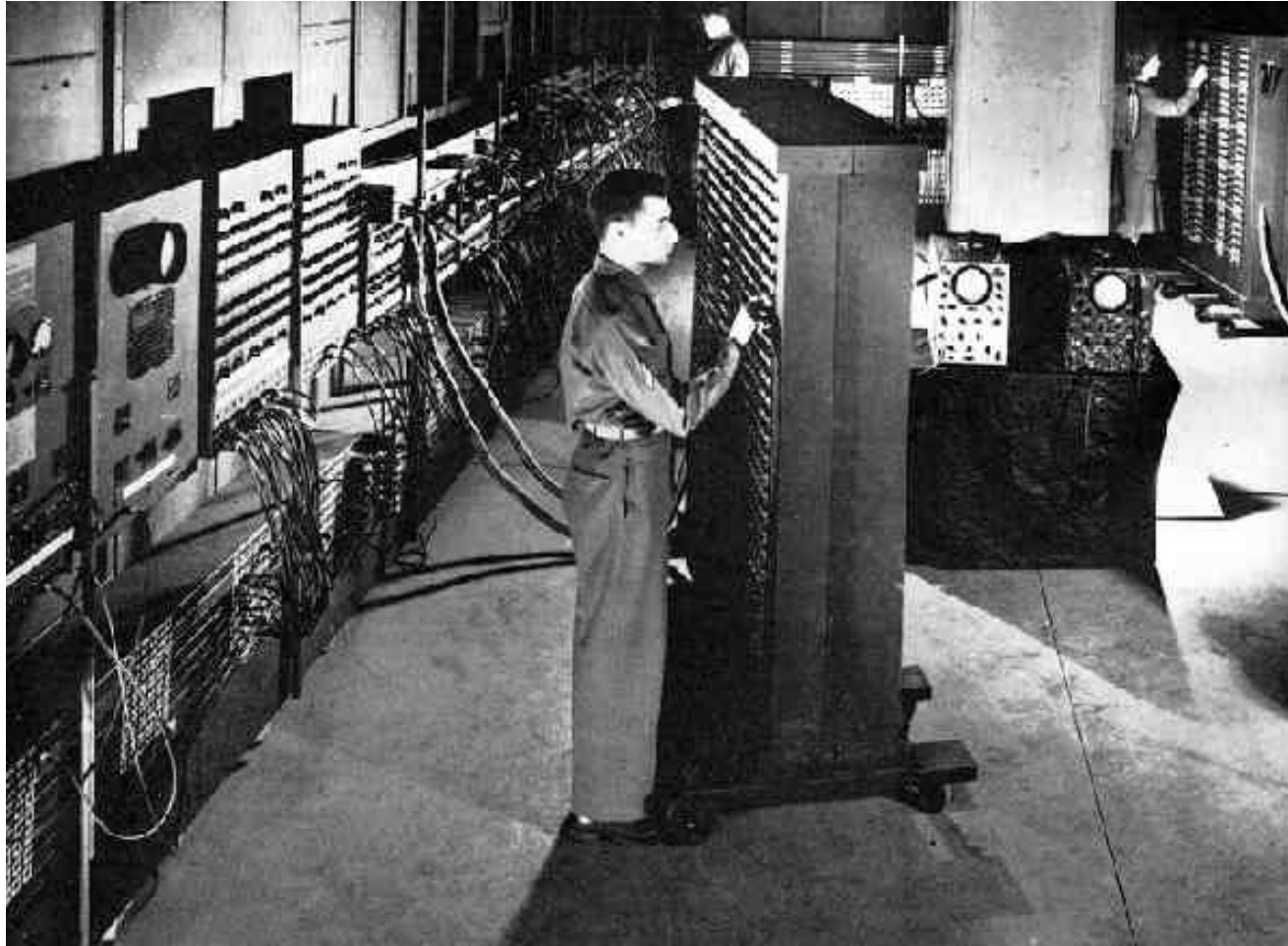
Colossus - 1943



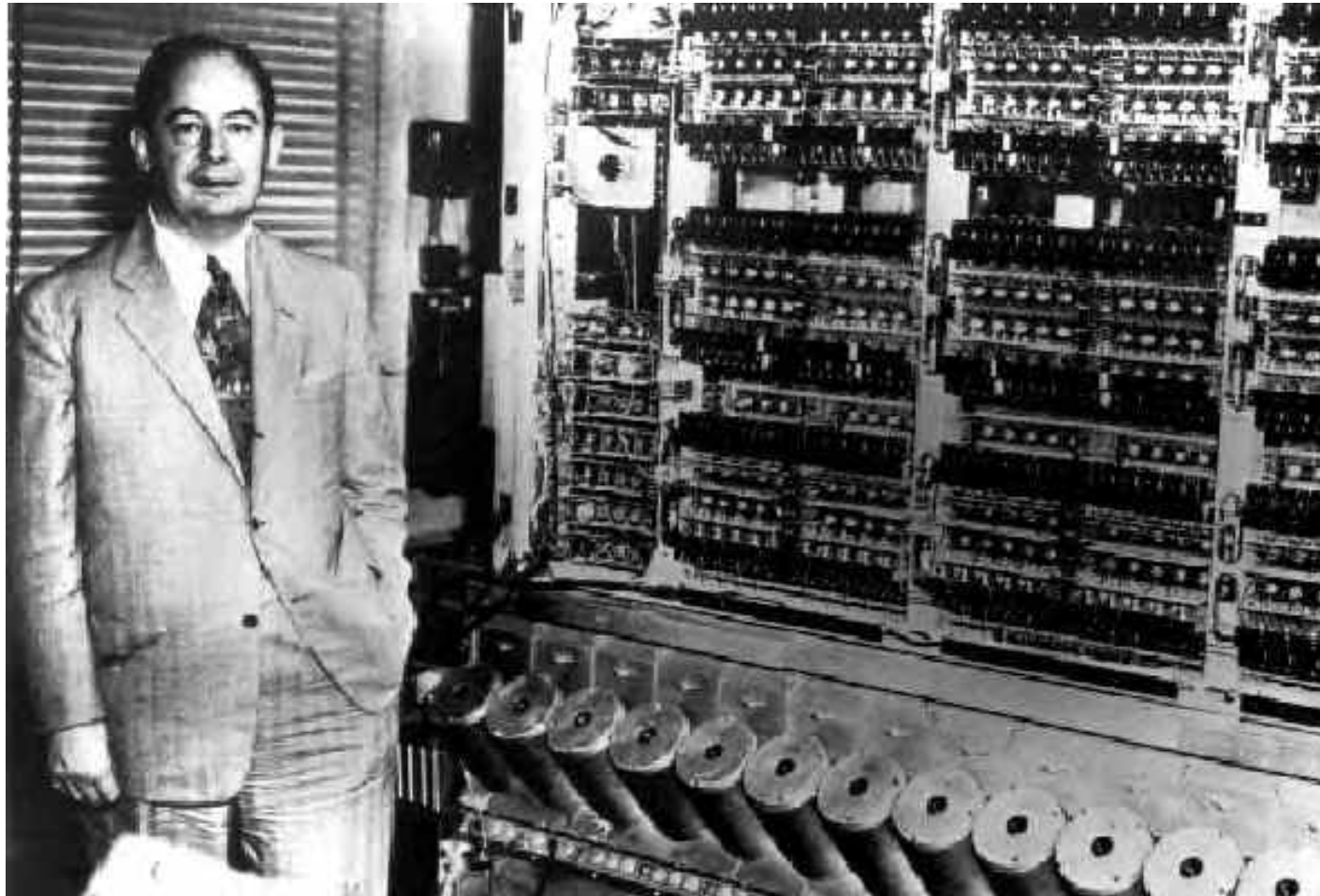
Harvard Mark I - 1944



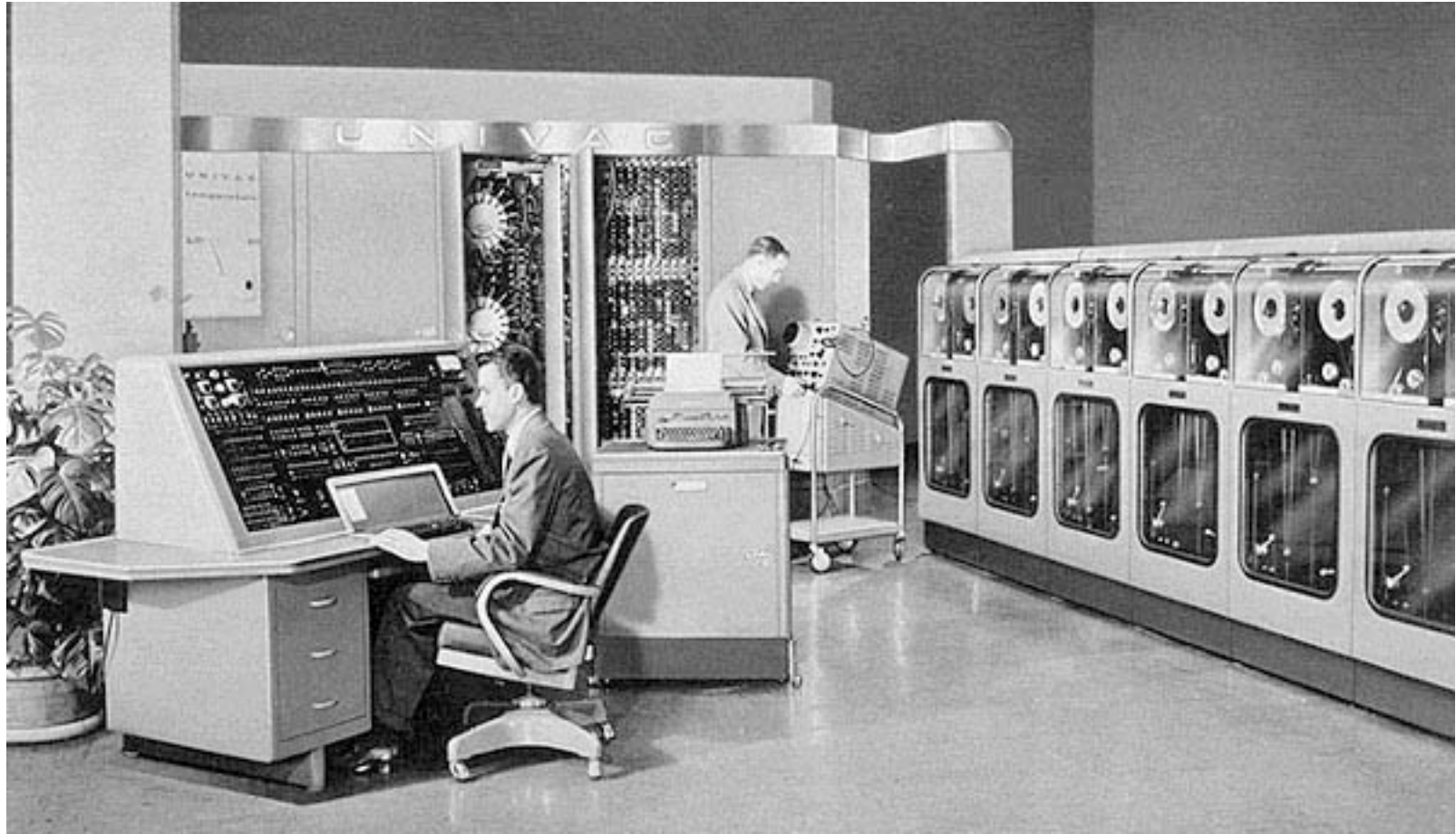
Eniac - 1946



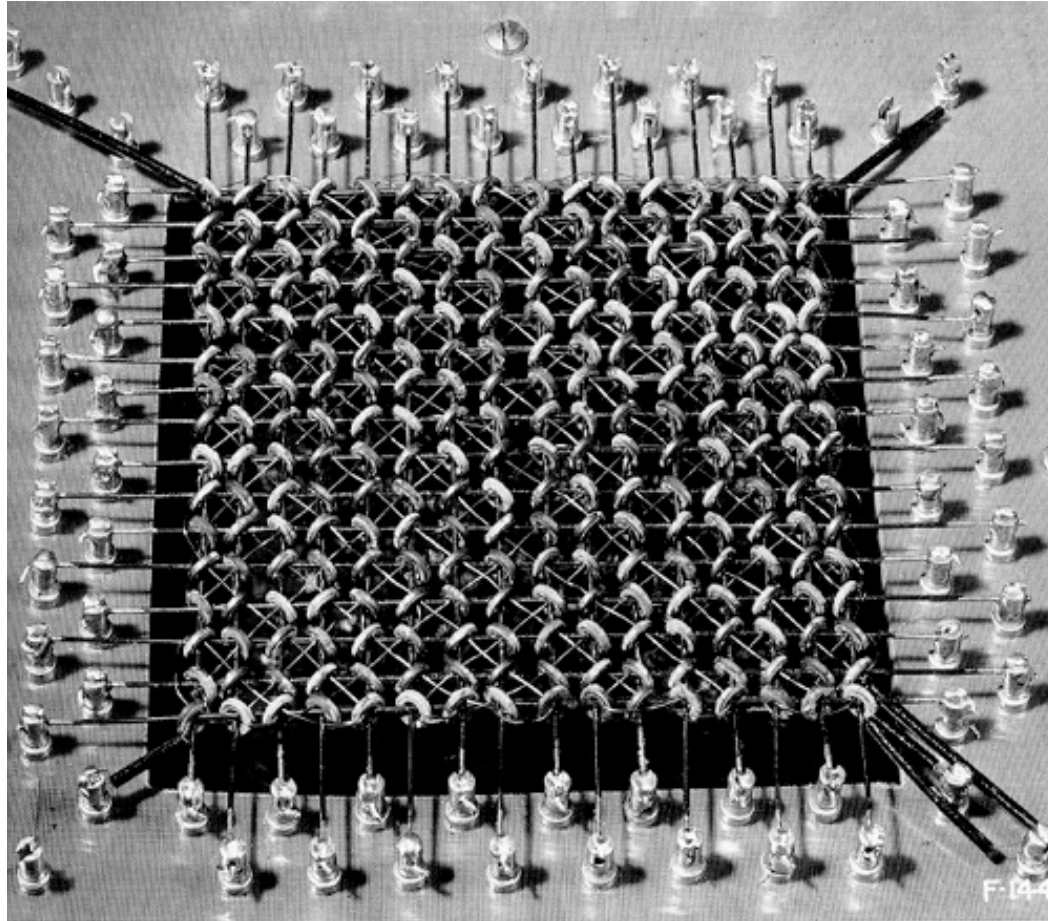
EDVAC - 1949



Univac - 1951



Core Memory - 1950



IBM 701 - 1952

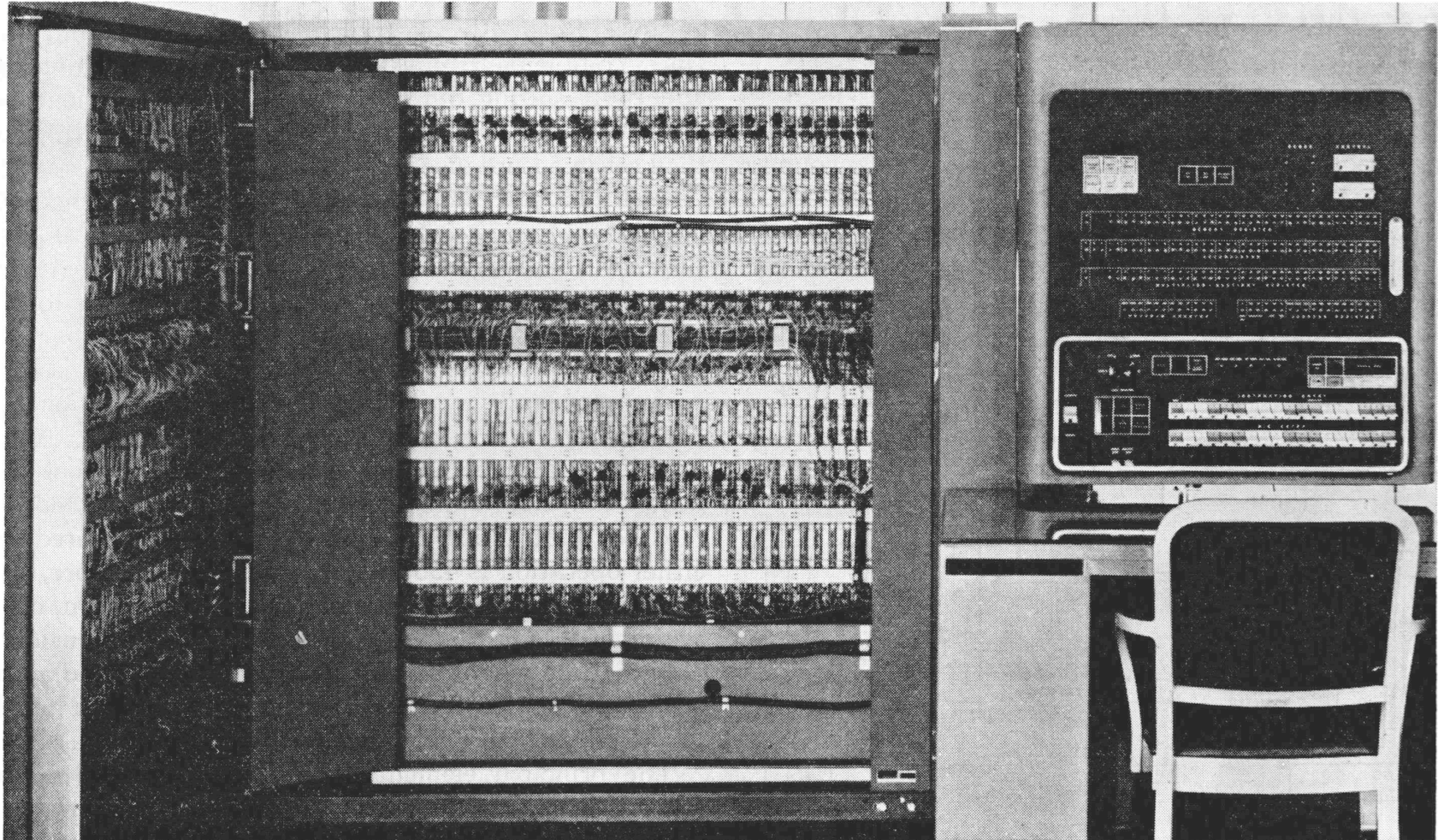
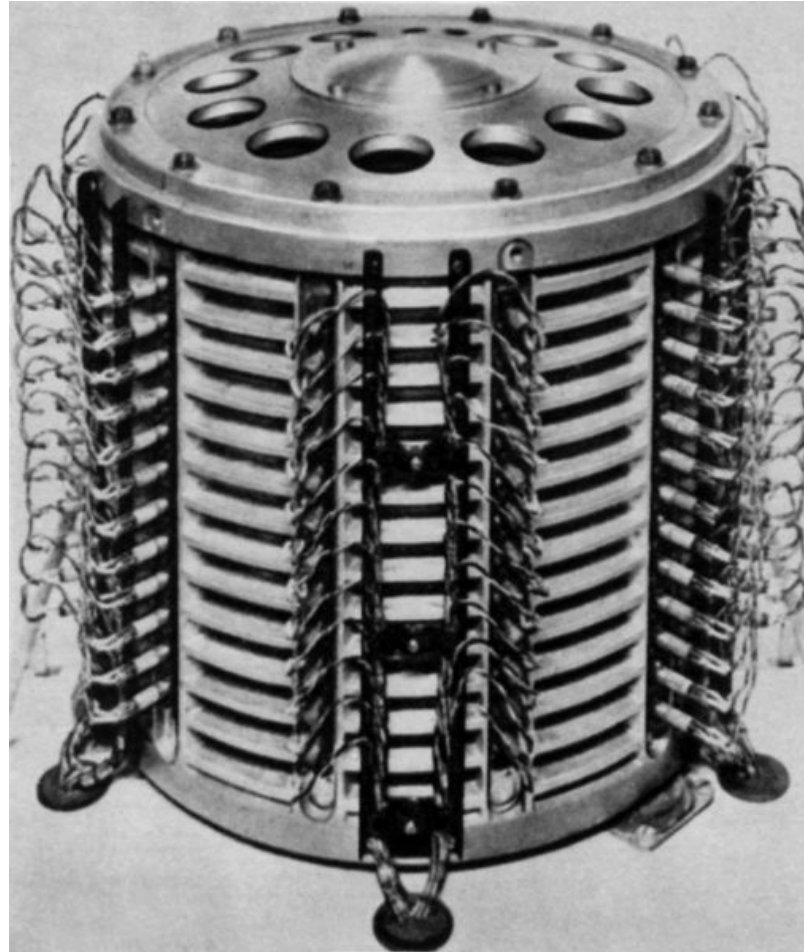


Fig. 5—Analytical control unit.

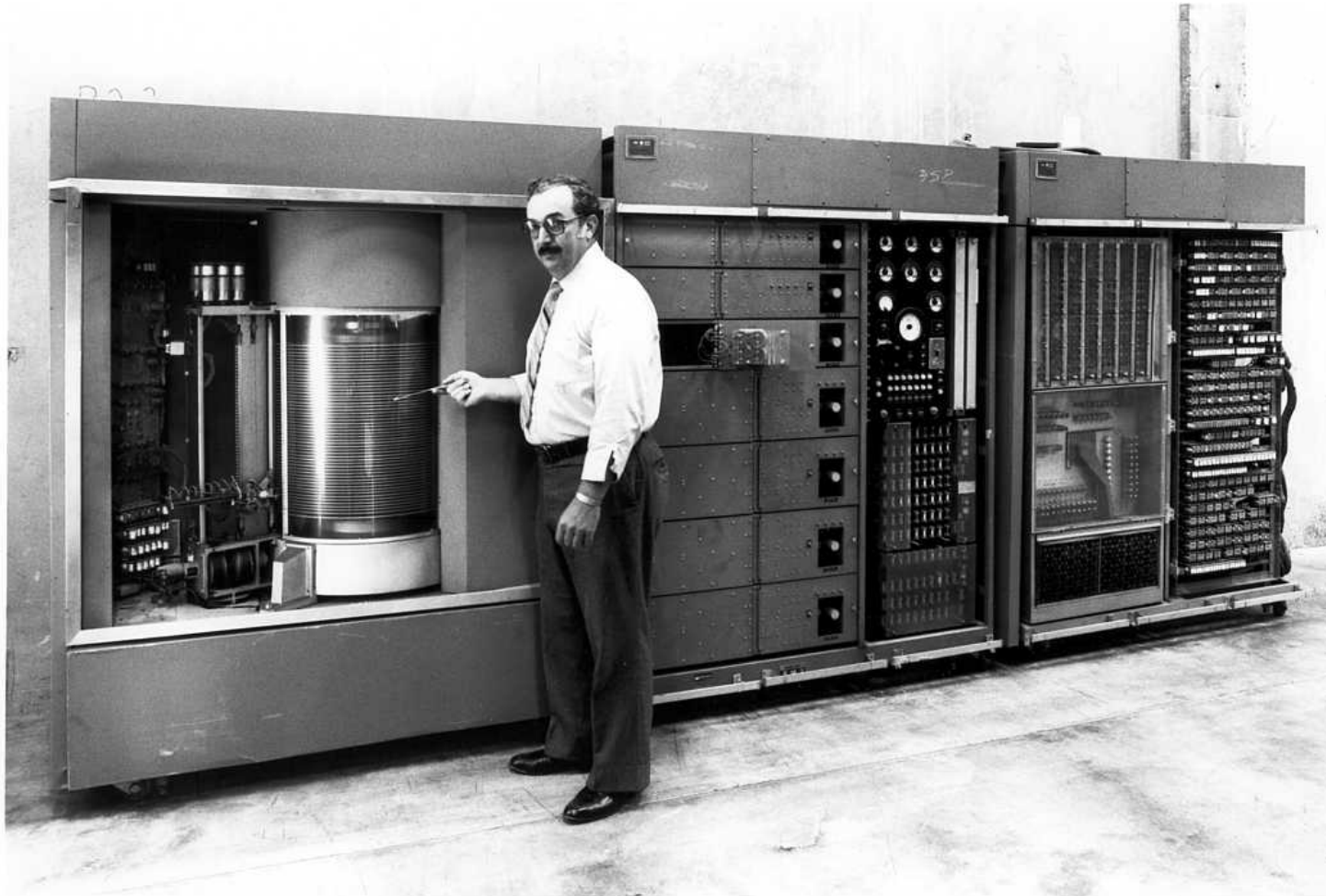
IBM 704 - 1954



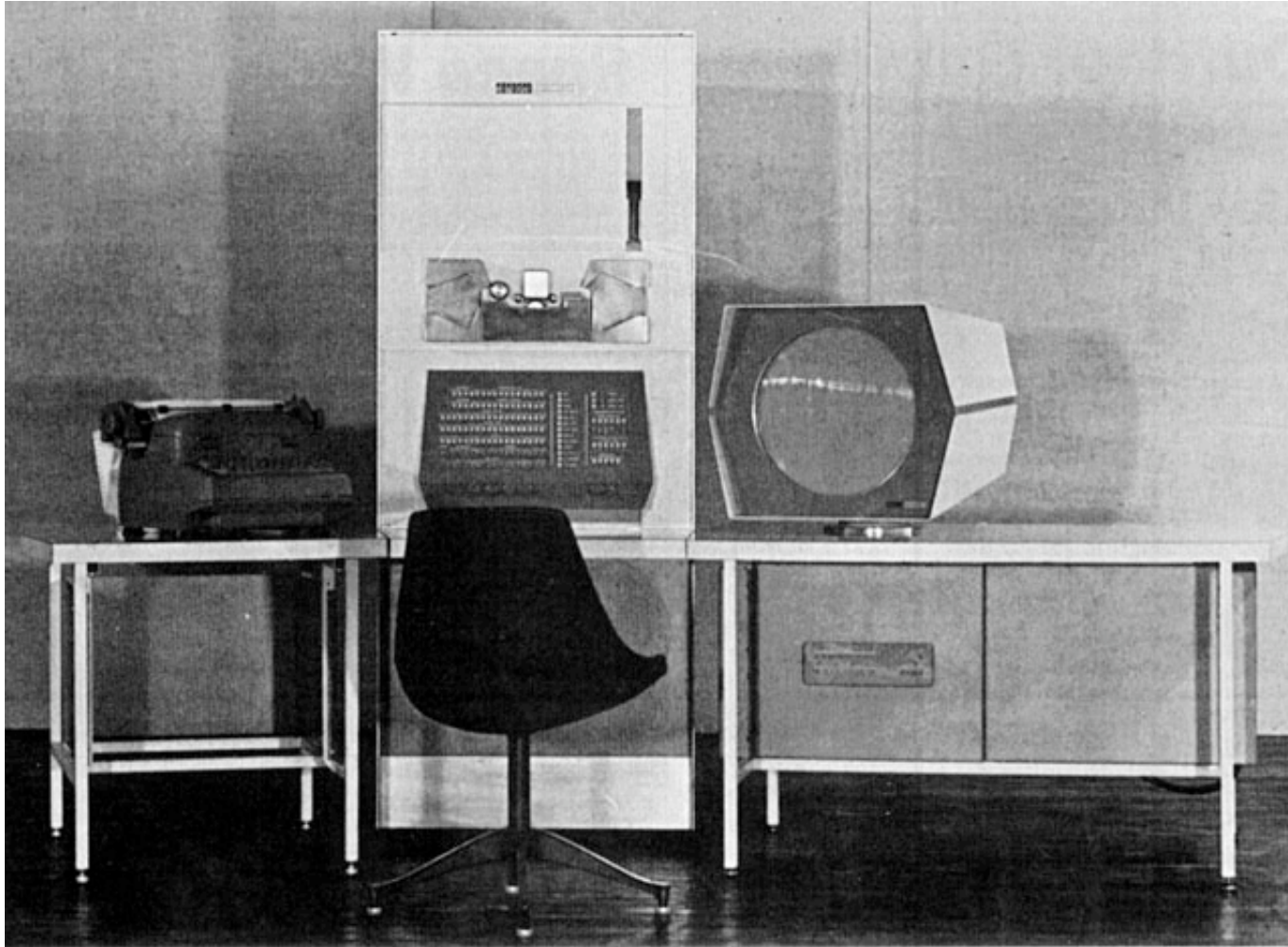
ZAM-41 Drum Memory - 1948



IBM RAMAC - 1956



Digital PDP-1 - 1960



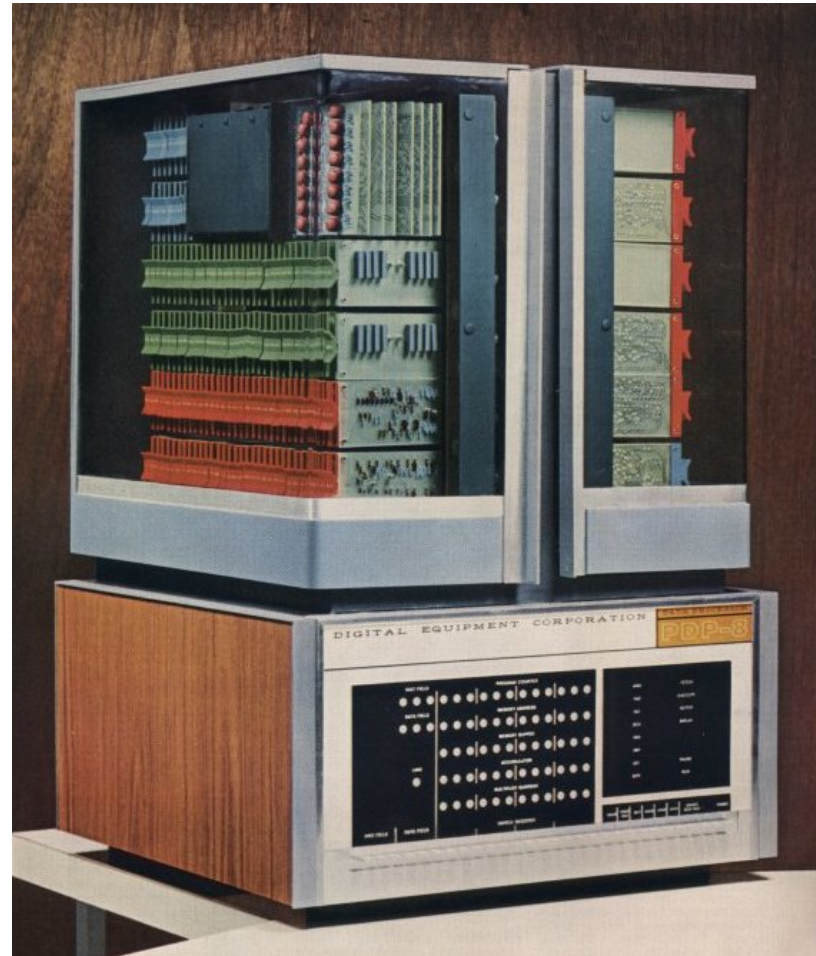
IBM 7094 - 1961



Ferranti Atlas - 1961



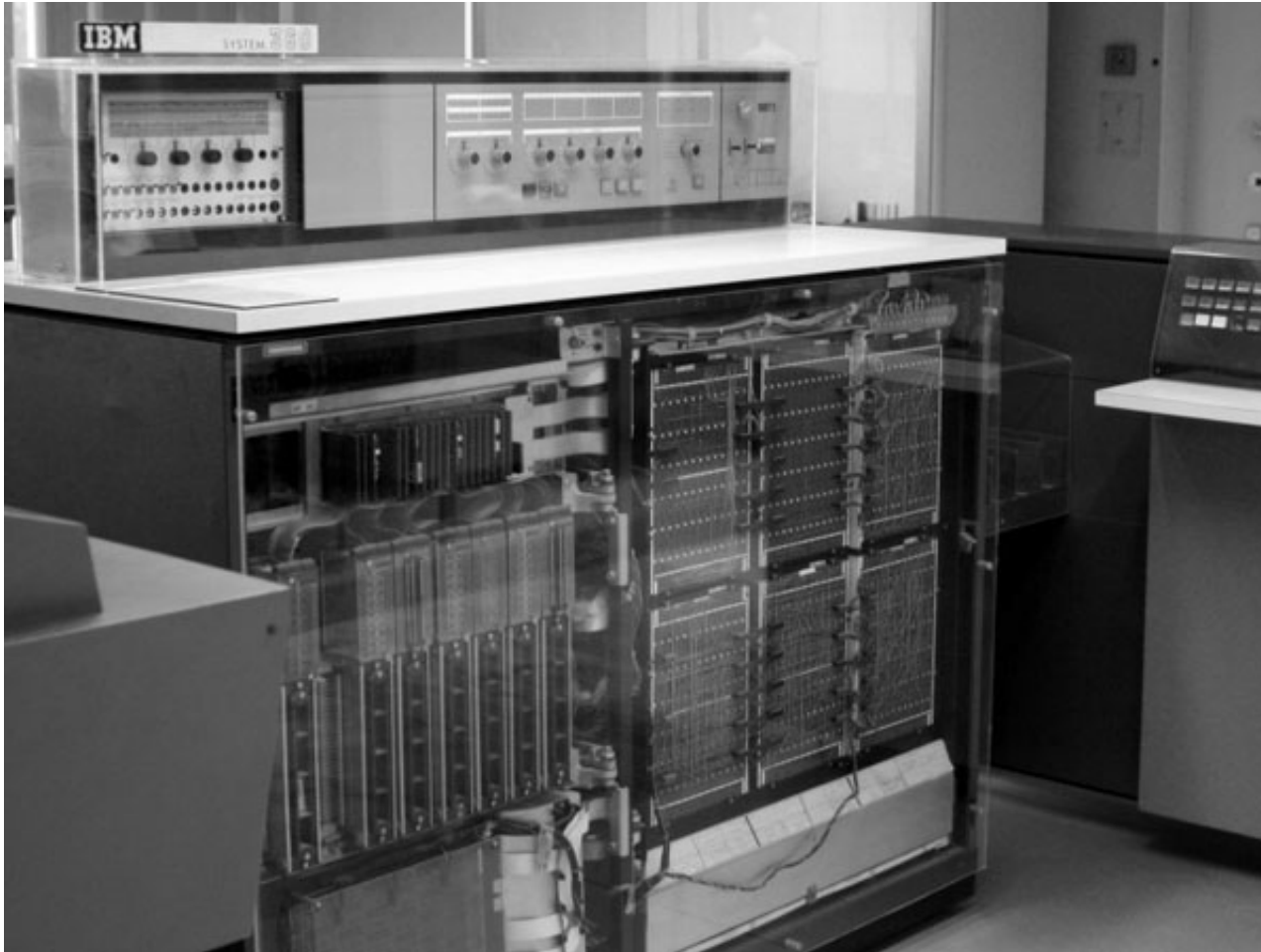
PDP 8 - 1965



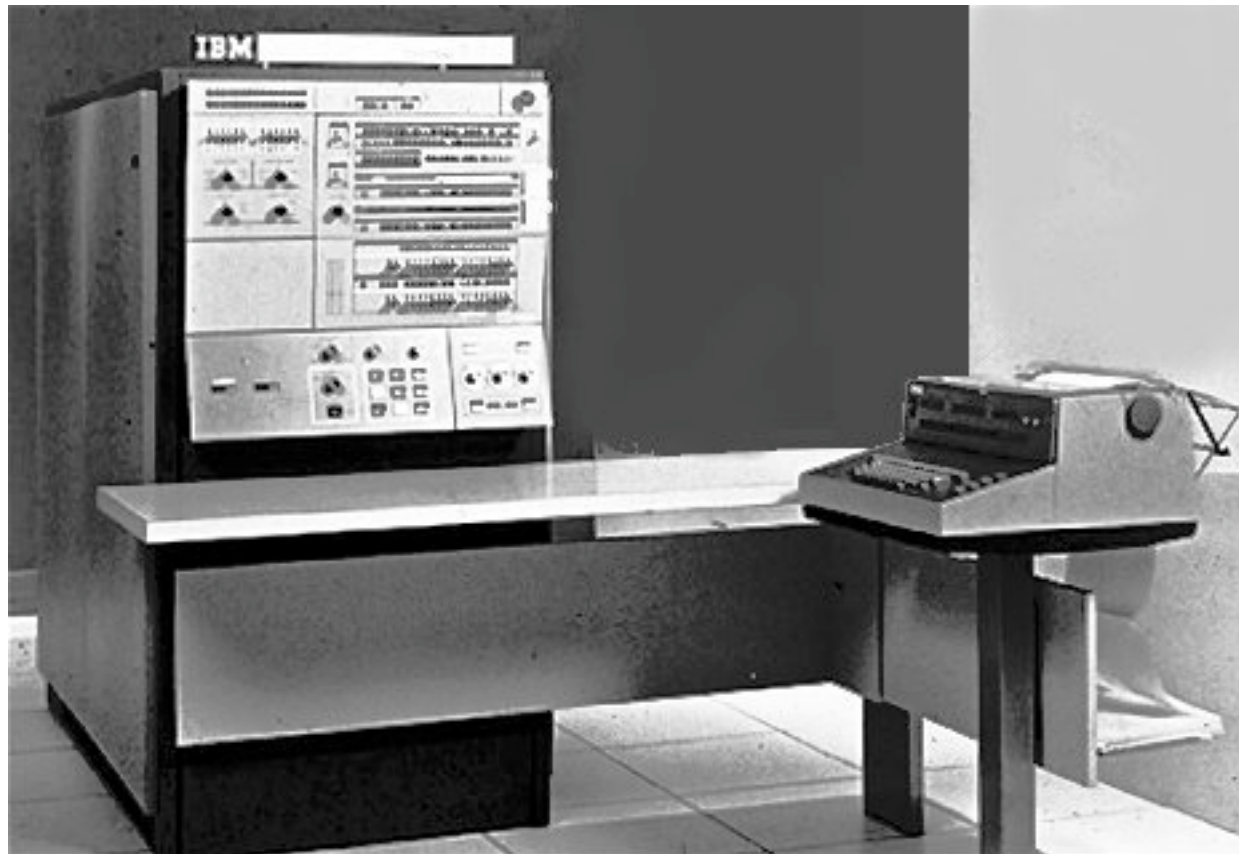
Electrologica X8 - 1965



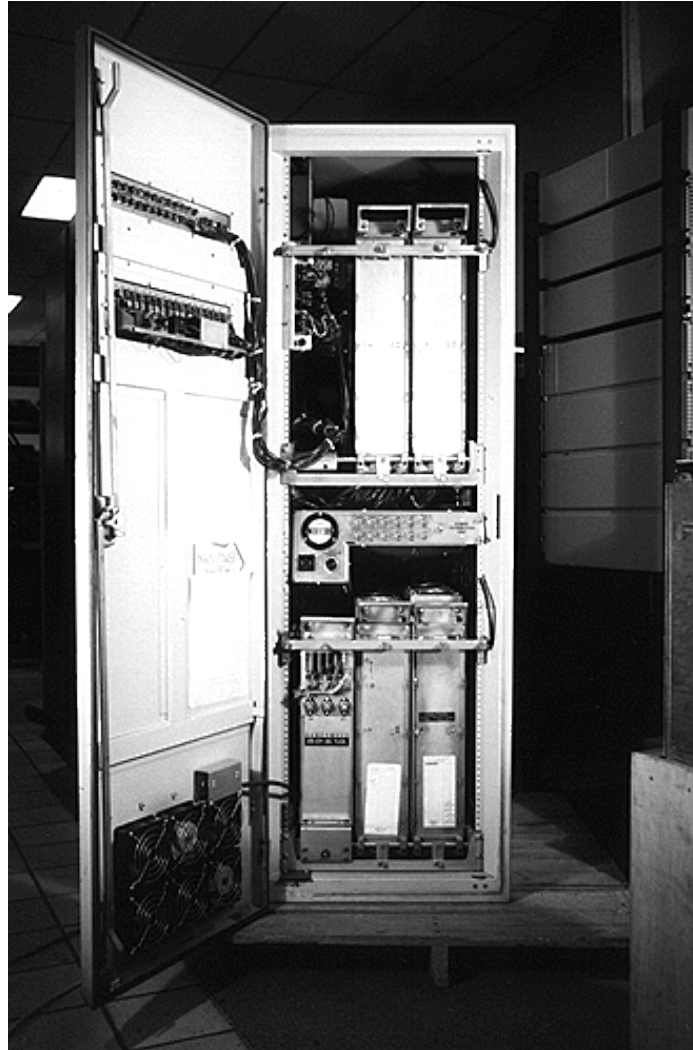
IBM S/360 - 1965



IBM 360/67 + CP/40 - 1967



Arpanet - 1969



GE 645 / Multics - 1970



Digital PDP-11/20 + Unix - 1970



Digital Vax - 1977



MITS Altair - 1975



Xerox Alto - 1973



Apple][- 1977



Ethernet - 1975



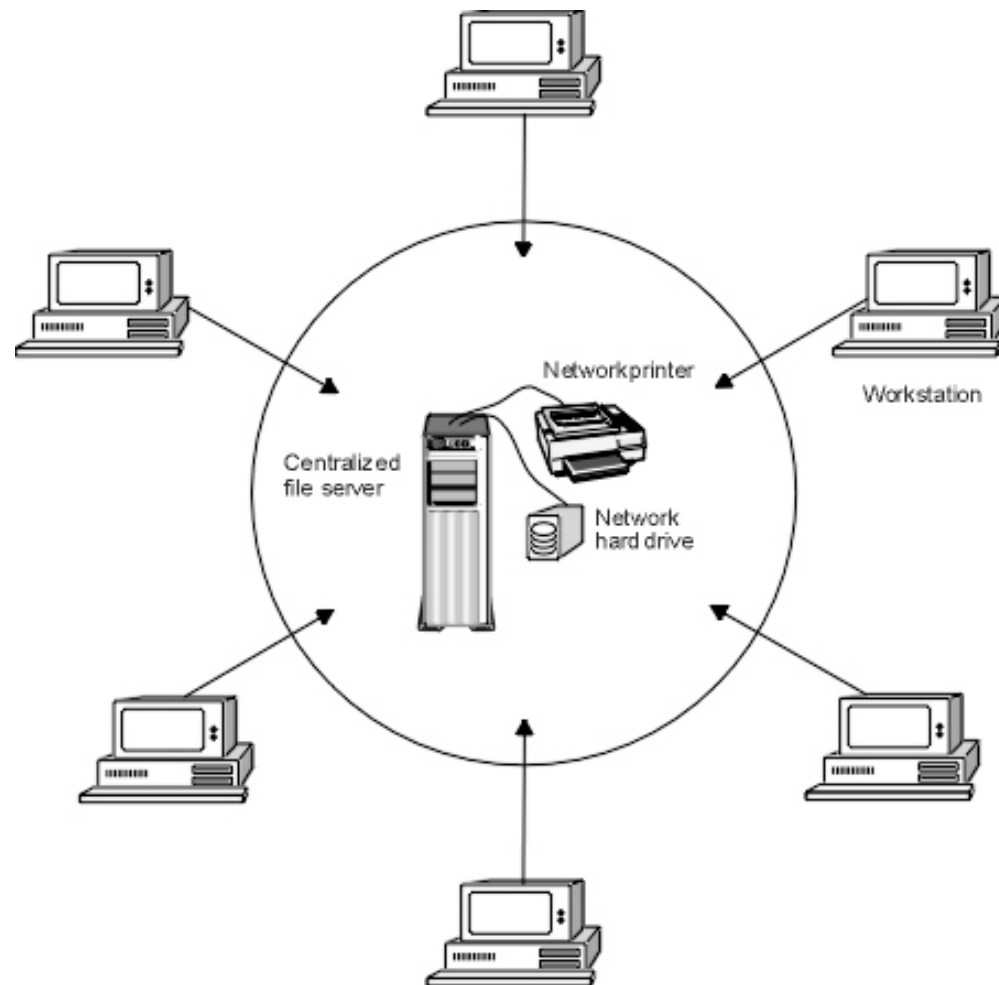
IBM PC - 1981



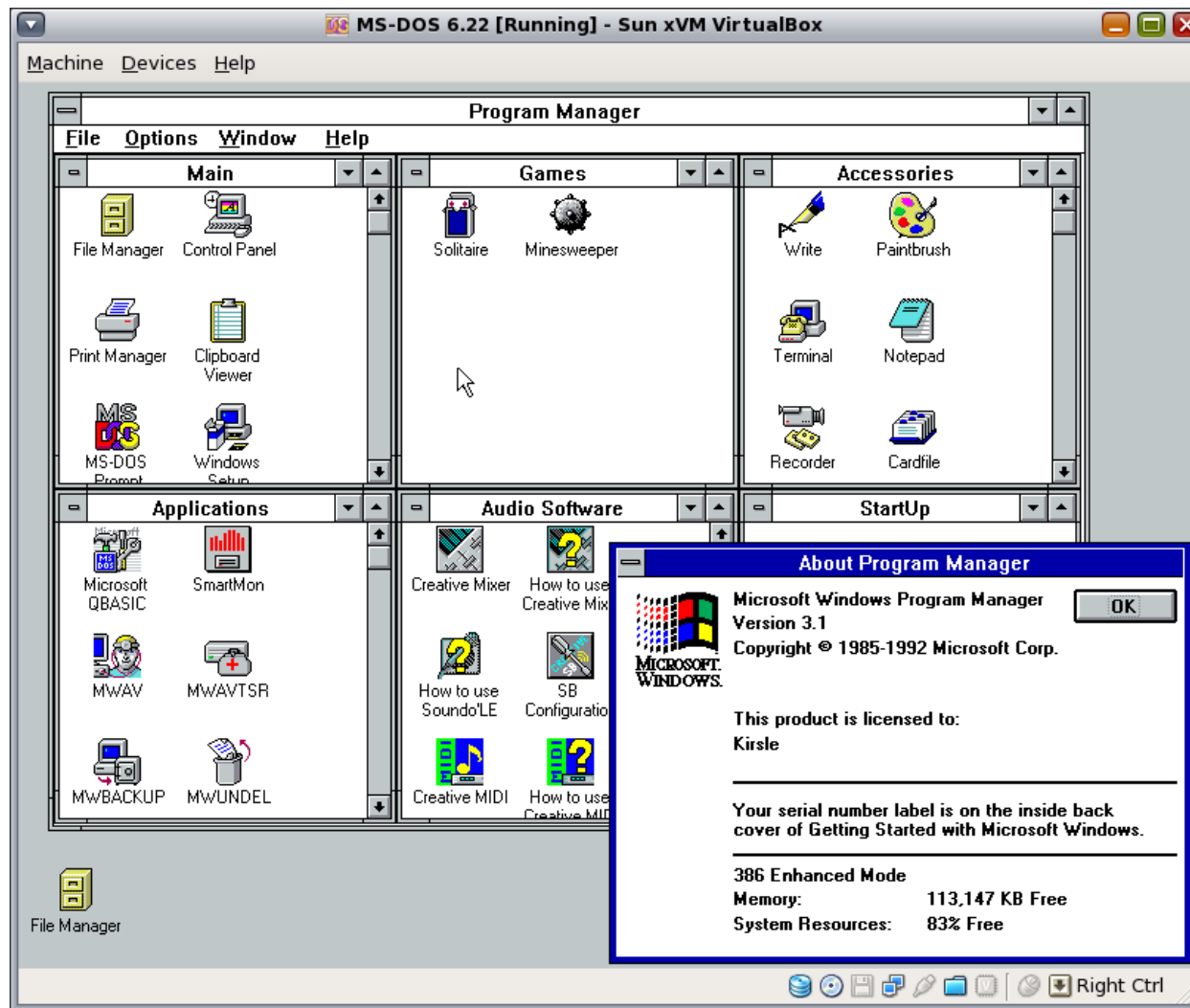
Apple Macintosh - 1984



Sun Network File System - 1985



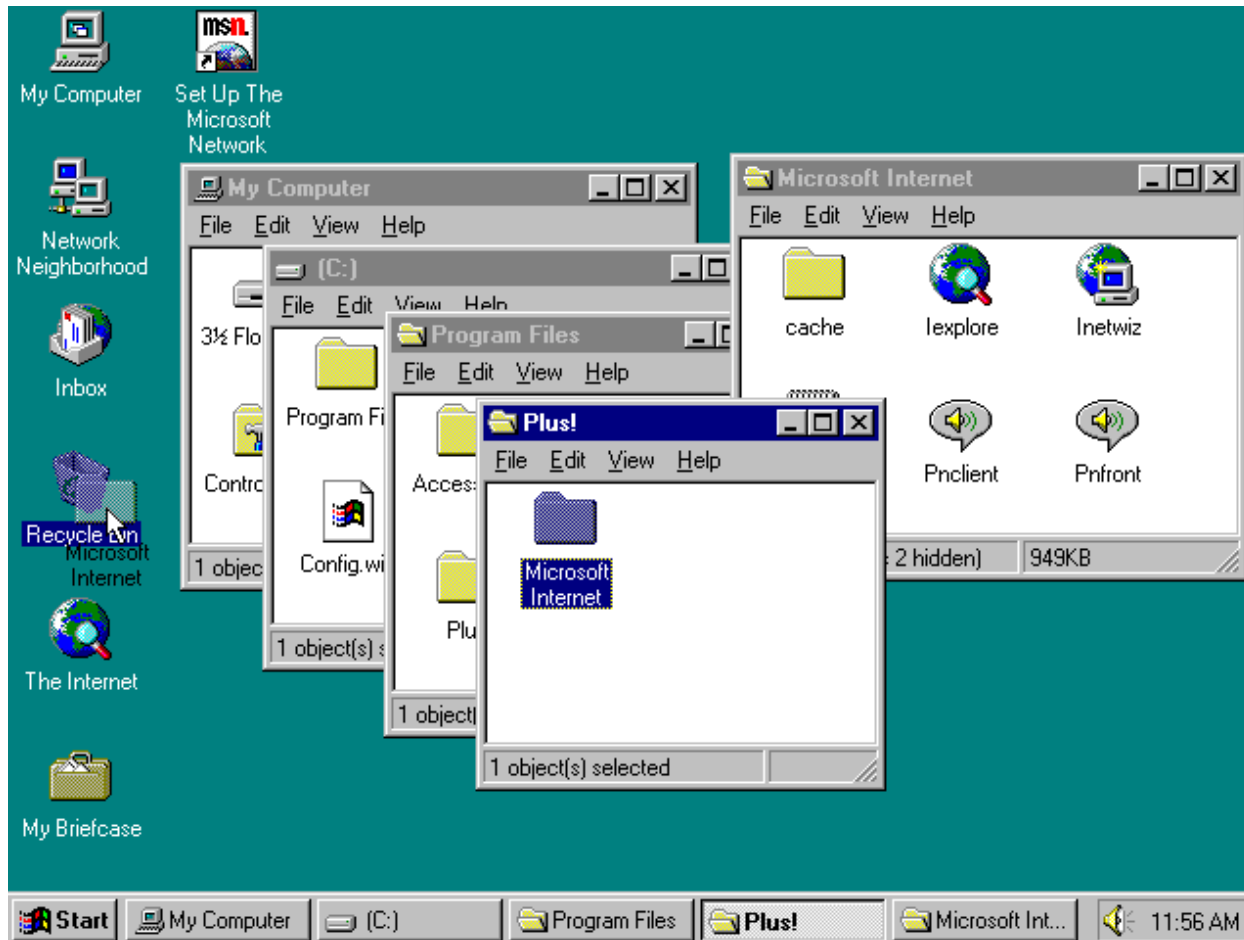
Windows 3.1 - 1991



Linux - 1993



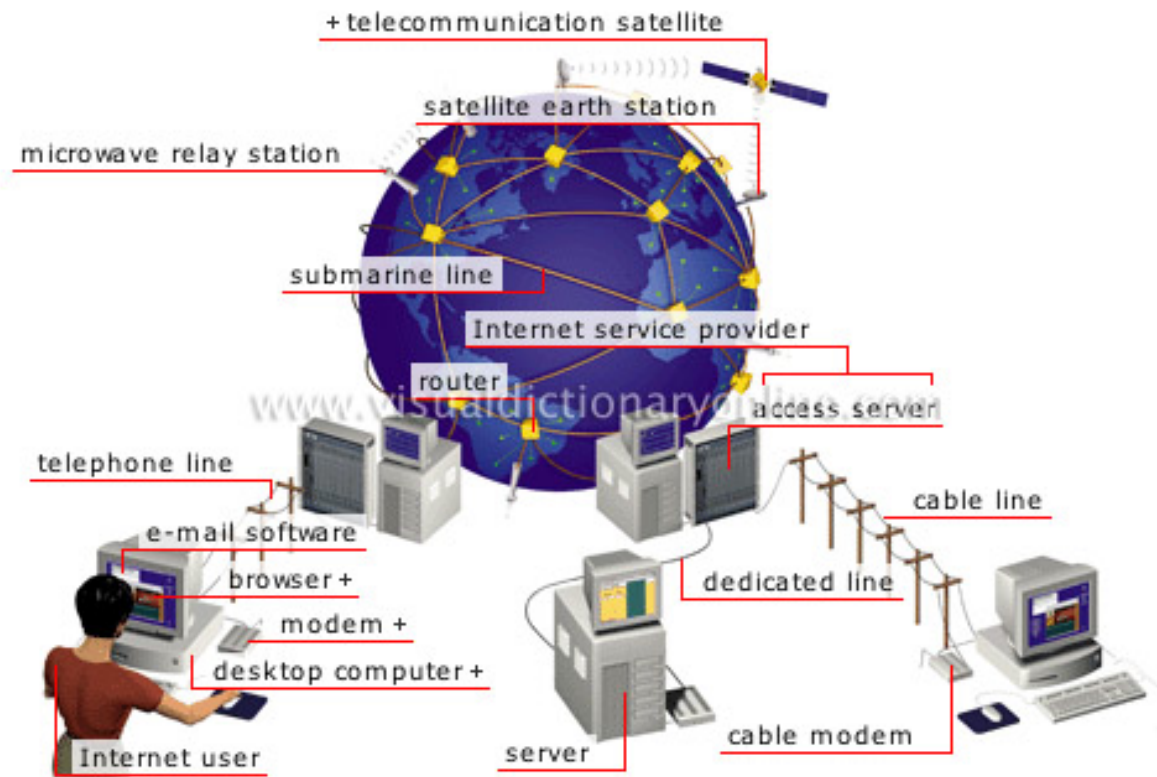
Windows 95



Mosaic Browser - 1994



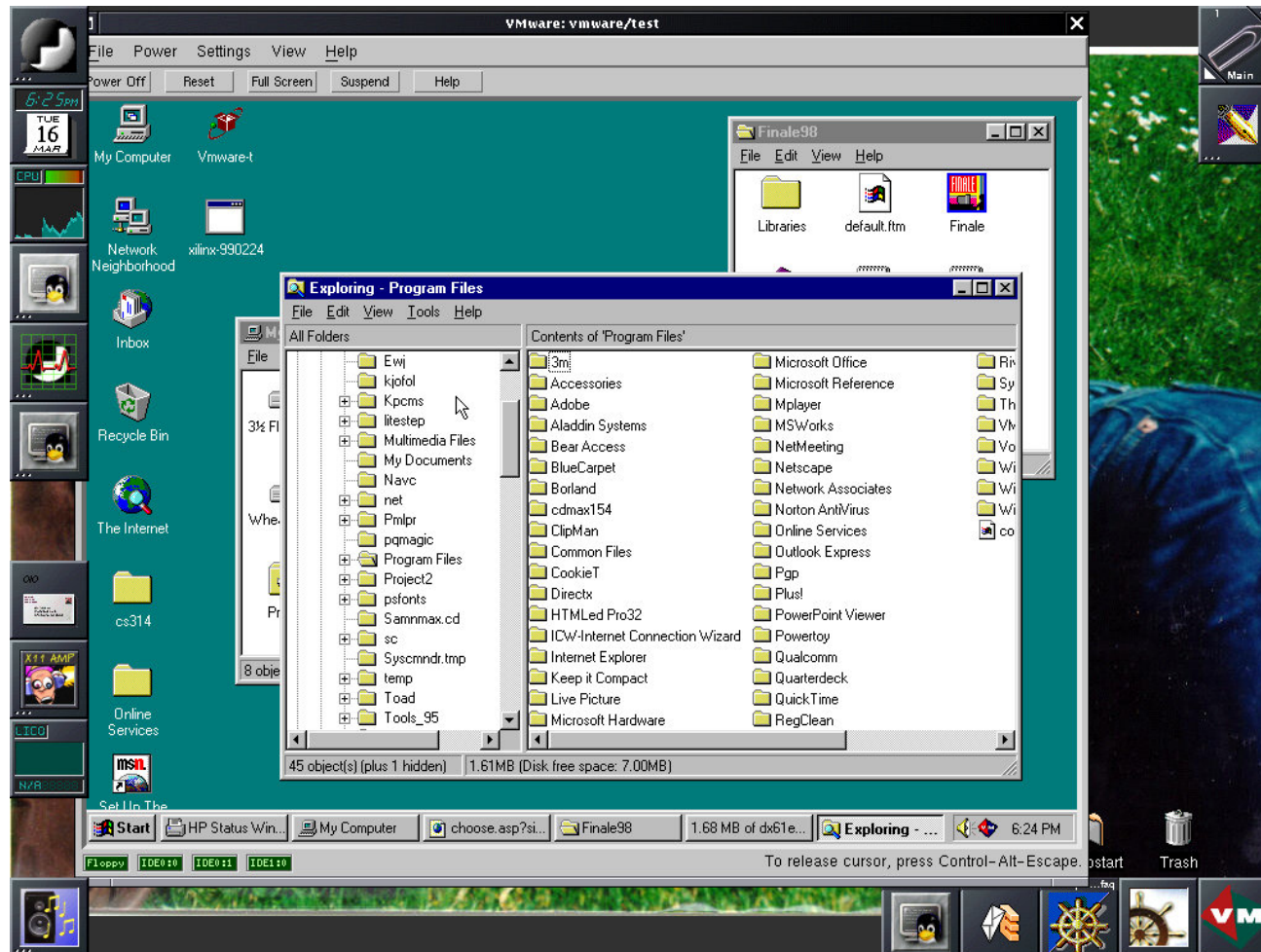
Internet - 1995



Google - 1996



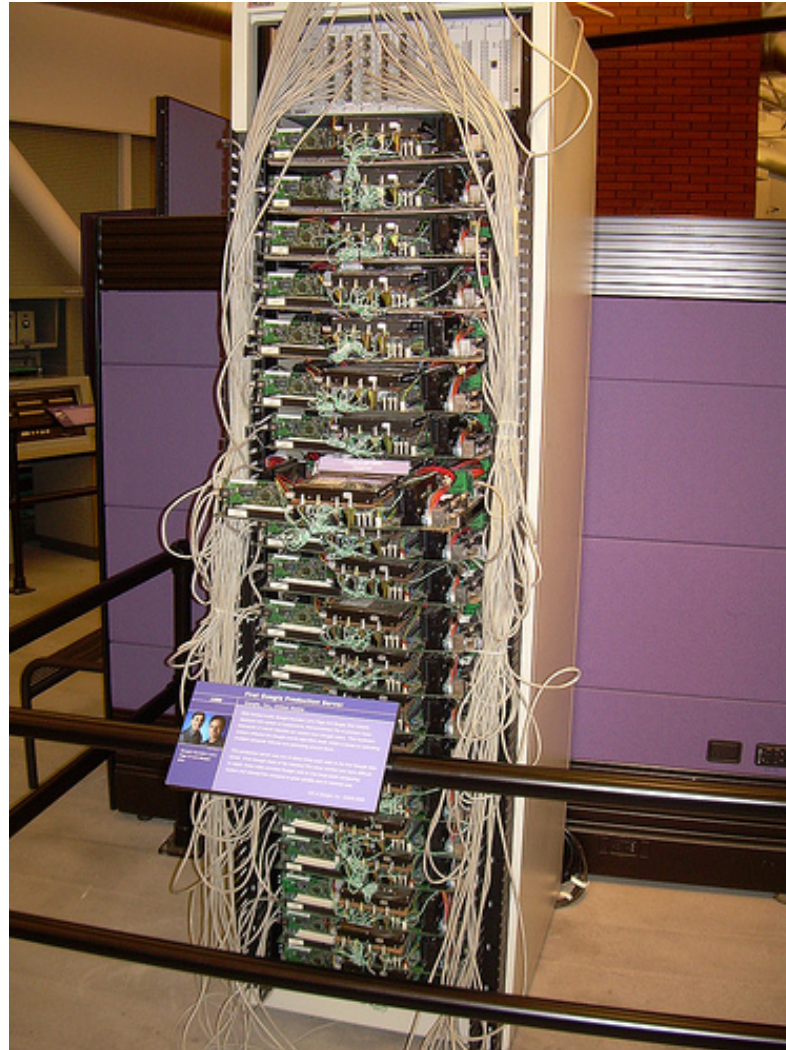
VMware - 1999



WiFi - 1999



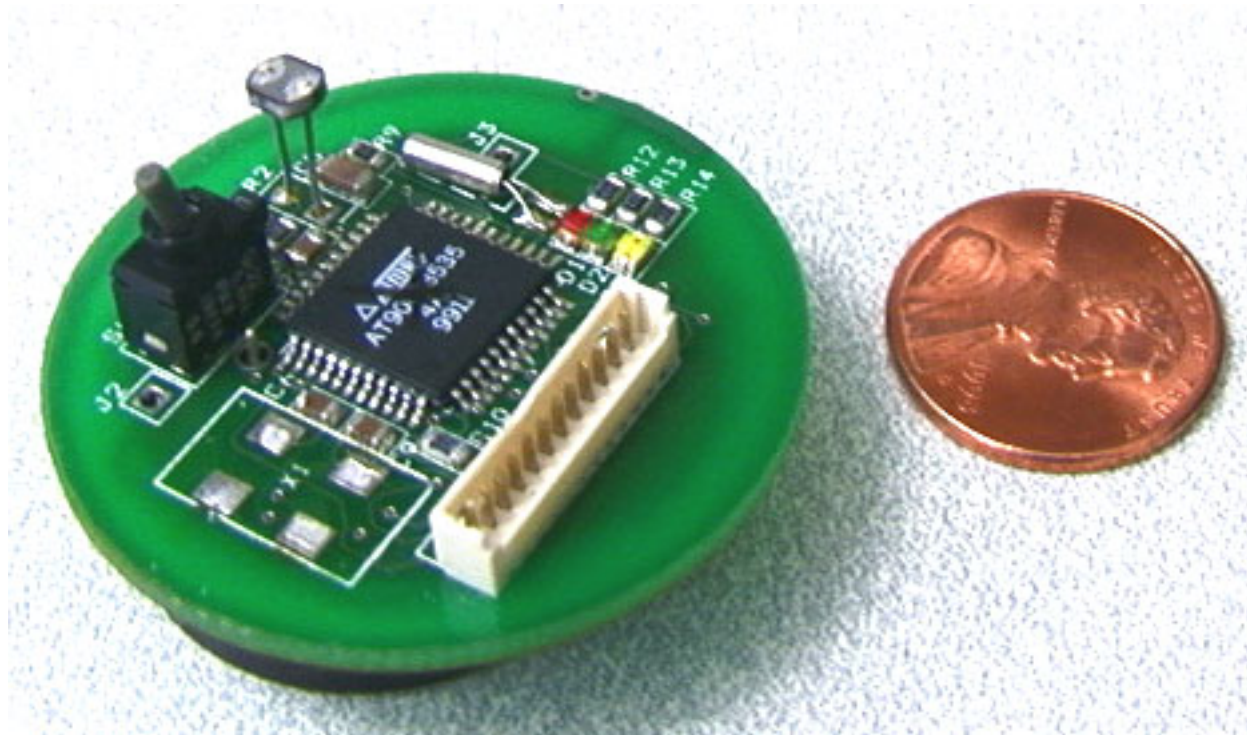
Google - 1999



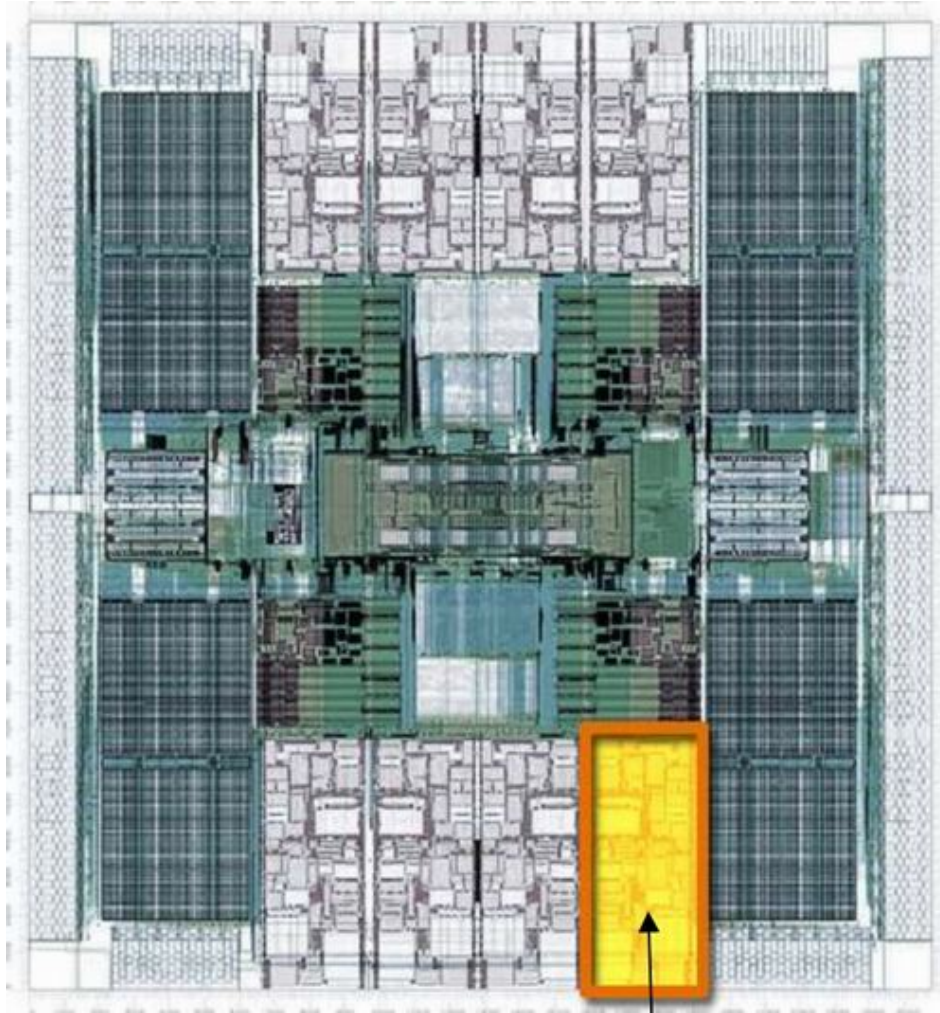
MacOS X - 2001



Mica Sensor Mote - 2004



Sun UltraSPARC Niagara T1- 2005



Apple iPhone - 2007



Container Data Center - 2009



Ipad - 2010

