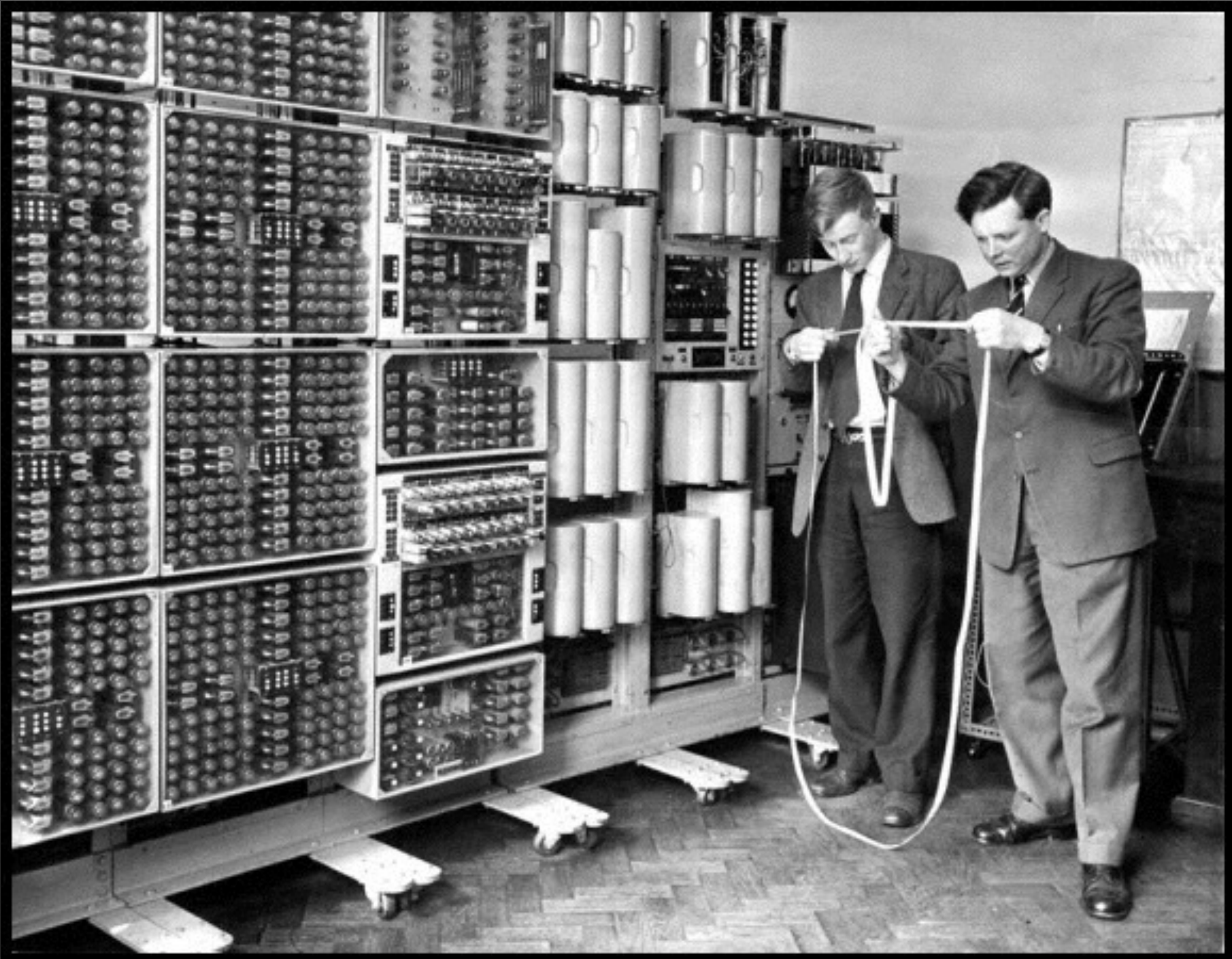# Geschichte des Internets

Vor dem Internet

Vor dem Internet

"human brains and computing machines will be coupled together very tightly, and that the resulting partnership will think as no human brain has ever thought and process data in a way not approached by the information-handling machines we know today"

- JCR Licklider

Zutaten des Erfolgs

- Nebenläufigkeit

- + Vernetzung: ARPANet & IETF

- + universelle Protokolle

- + Personalcomputer

- = das Web

Standards

by IETF & W3C

- TCP/IP

- HTTP

- HTML

- URI/ URL

- XML

ISO/OSI Modell

SCHICHTEN	TECHNOLOGIEN
Application	HTTP (1990)
Presentation	HTML (1990)
Session	
Transport	TCP (1974)
Network	IP (1974)
Data Link	
Physical	das Internet

TCP/IP-Modell

SCHICHT	PROTOKOLLE
Application	HTTP, DNS
Transport	TCP
Internet	IP
Link	beliebig

Evolution

- **Web 1.0:** Web of Documents, read-only Web ← **Internet für alle**

- **Web 2.0:** read-write Web ← **Breitband-Internet**

- **Web 3.0:** Web of Data and Social Networks ← **Mobiles Internet**

- **???**