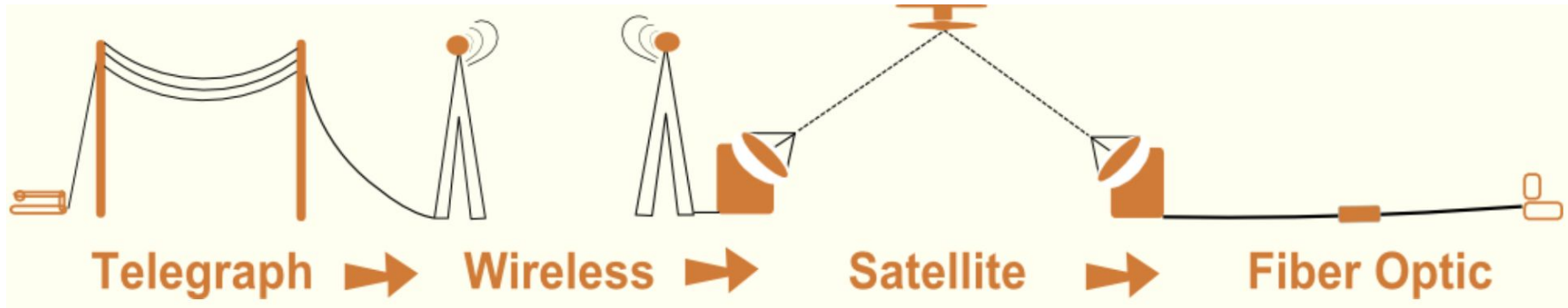


Early Electronic Communication

A Short History



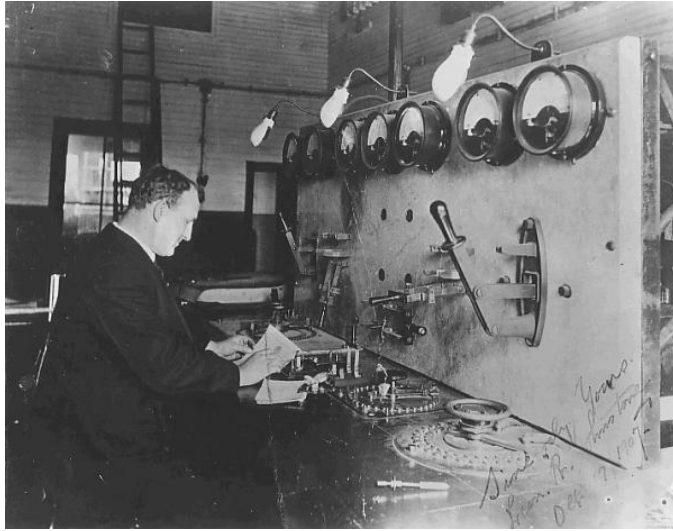


The history of electronic communication began in 1729 when Stephen Grey discovered that electricity could be transmitted over large distances using insulated metal wires.



The first telegraph was developed in the 1830s and 1840s by Samuel Morse (1791-1872) and other inventors, it revolutionized long-distance communication.

Started with the invention of the telegraph



A Man transmitting the first official messages of the commercial wireless telegraph service

Started with the invention of the telegraph

International Morse Code

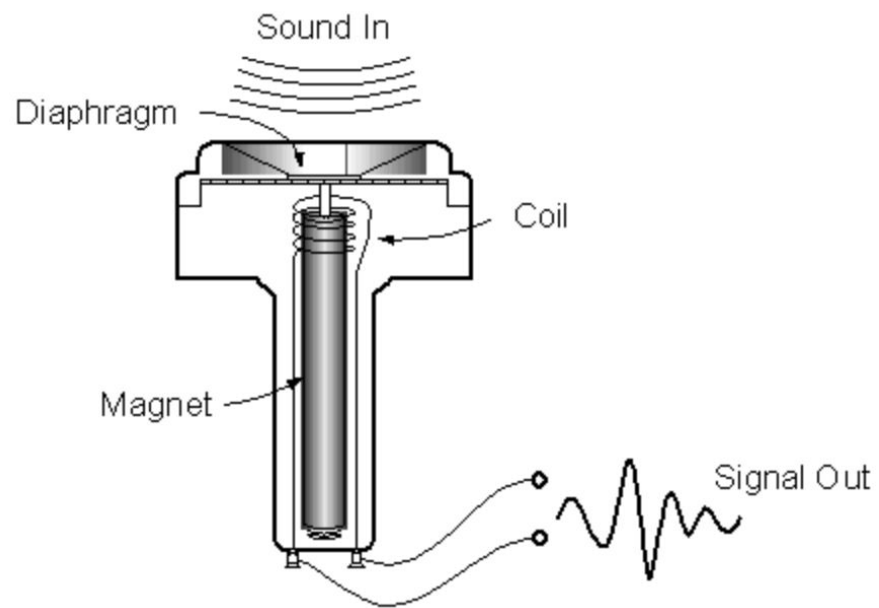
1. A dash is equal to three dots.
2. The space between parts of the same letter is equal to one dot.
3. The space between two letters is equal to three dots.
4. The space between two words is equal to seven dots.

A dash and a dot that formed a code that could be interpreted as words.

A	• —	U	• • —
B	— • • •	V	• • • —
C	— • — •	W	• — • —
D	— • • •	X	— • • —
E	•	Y	— • — —
F	• • — •	Z	— — • •
G	— — •		
H	• • • •		
I	• •		
J	• — — —		
K	— • — —	1	• — — — —
L	• — • —	2	• • — — —
M	— —	3	• • • — —
N	— •	4	• • • • —
O	— — —	5	• • • • •
P	• — — •	6	— • • • •
Q	— — • —	7	— — • • •
R	• — • •	8	— — — • •
S	• • •	9	— — — — •
T	—	0	— — — — —



The first telephone

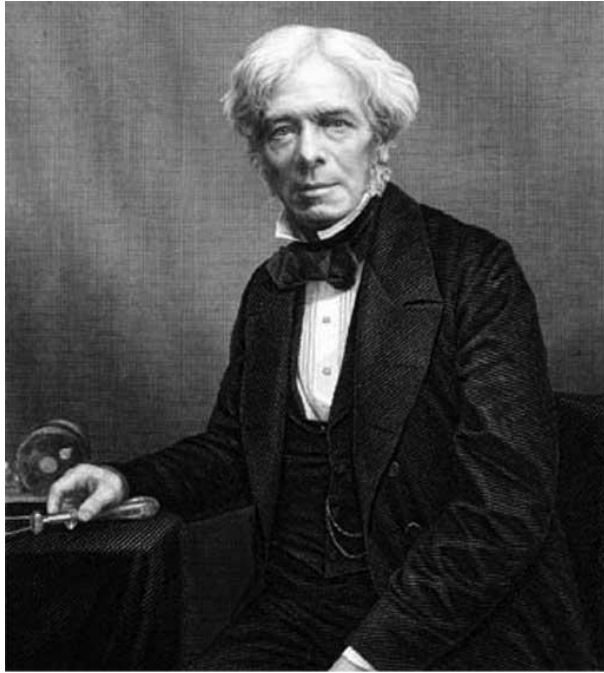


Using a wired connection to transmit sound from one point to another

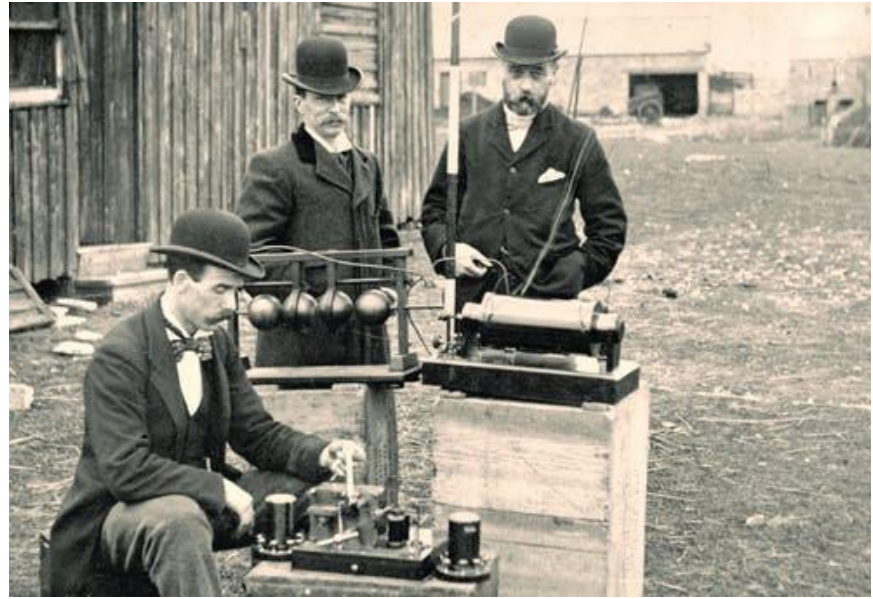


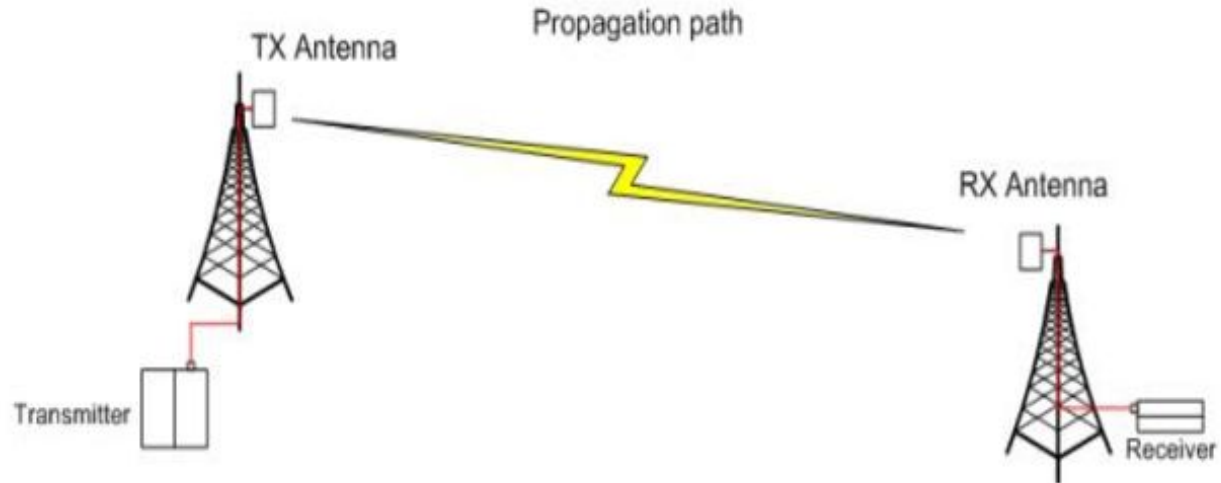
On 14 January 1878, Alexander Graham Bell demonstrated telephone to Queen Victoria

Wireless radio transmission

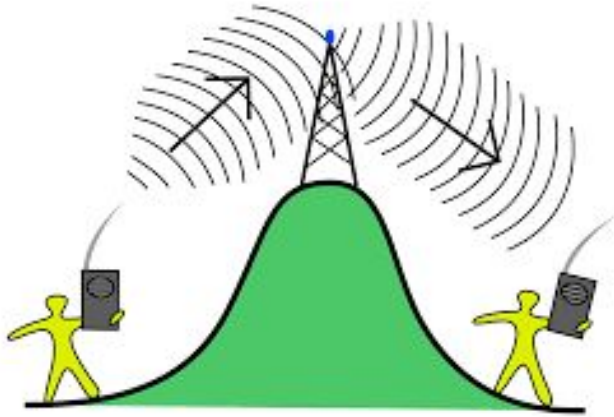


Michael Faraday

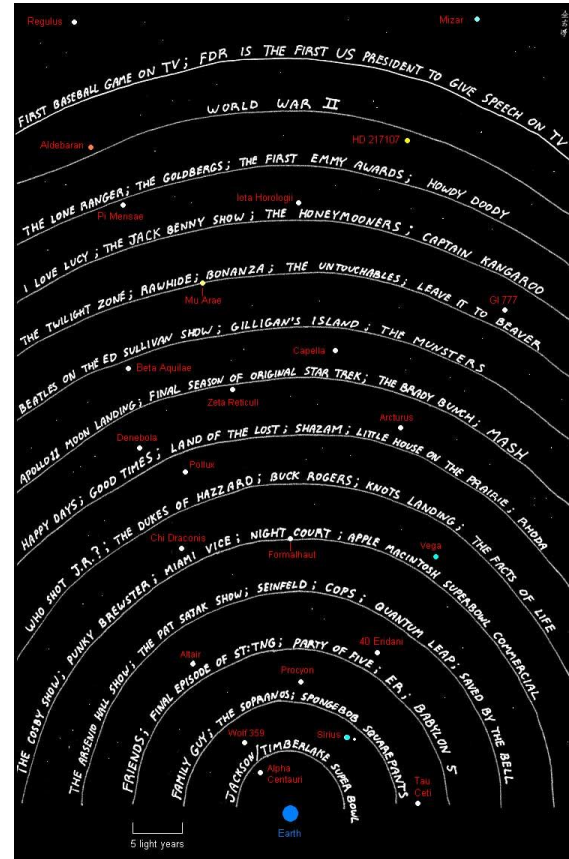




1st radio-transmission of wireless: Mattheus Passion in 1924.



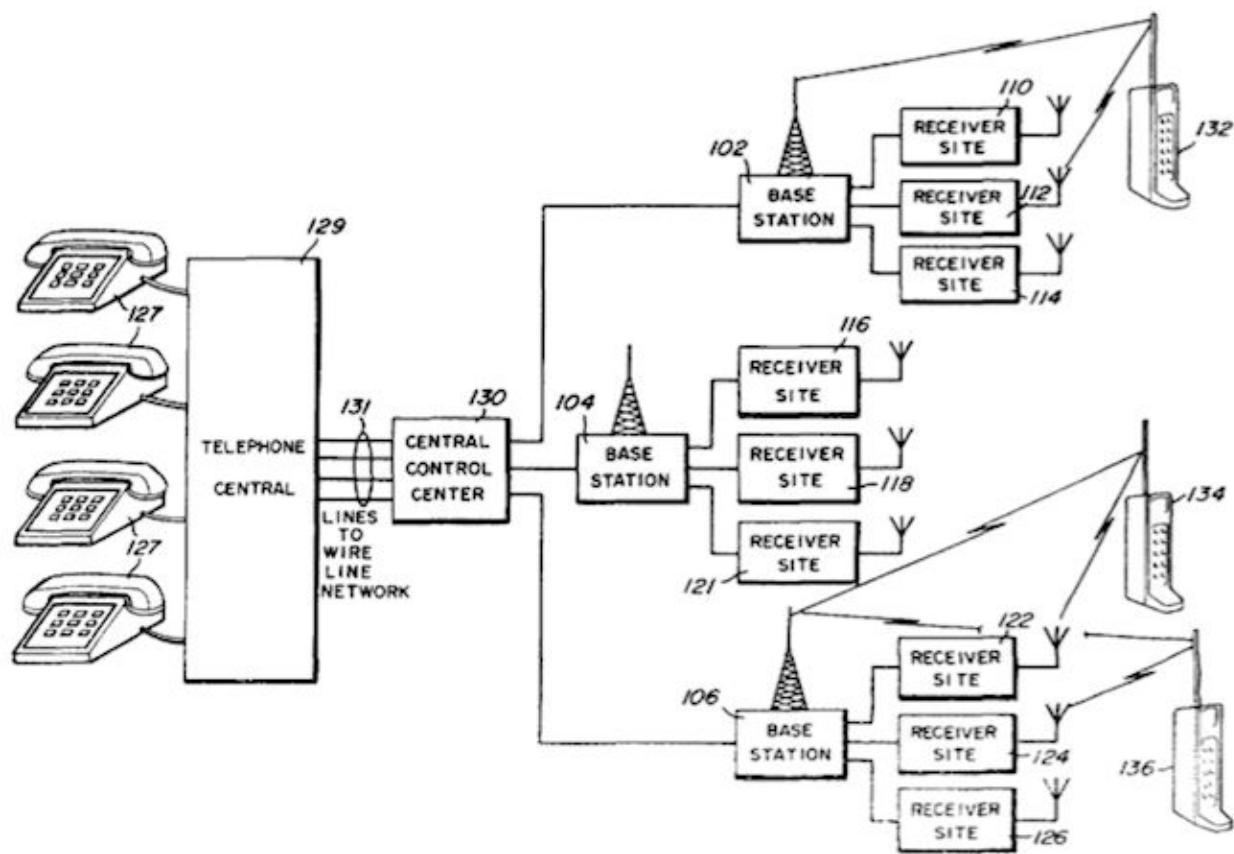
Radio signals could only be transmitted within a limited range but later advanced to modern cellular phones used today.



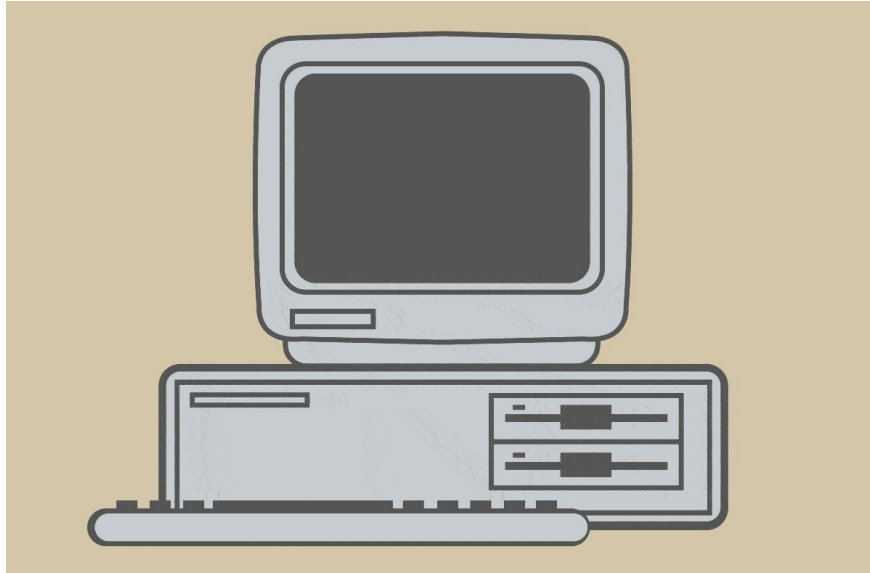


The introduction of cellular phones

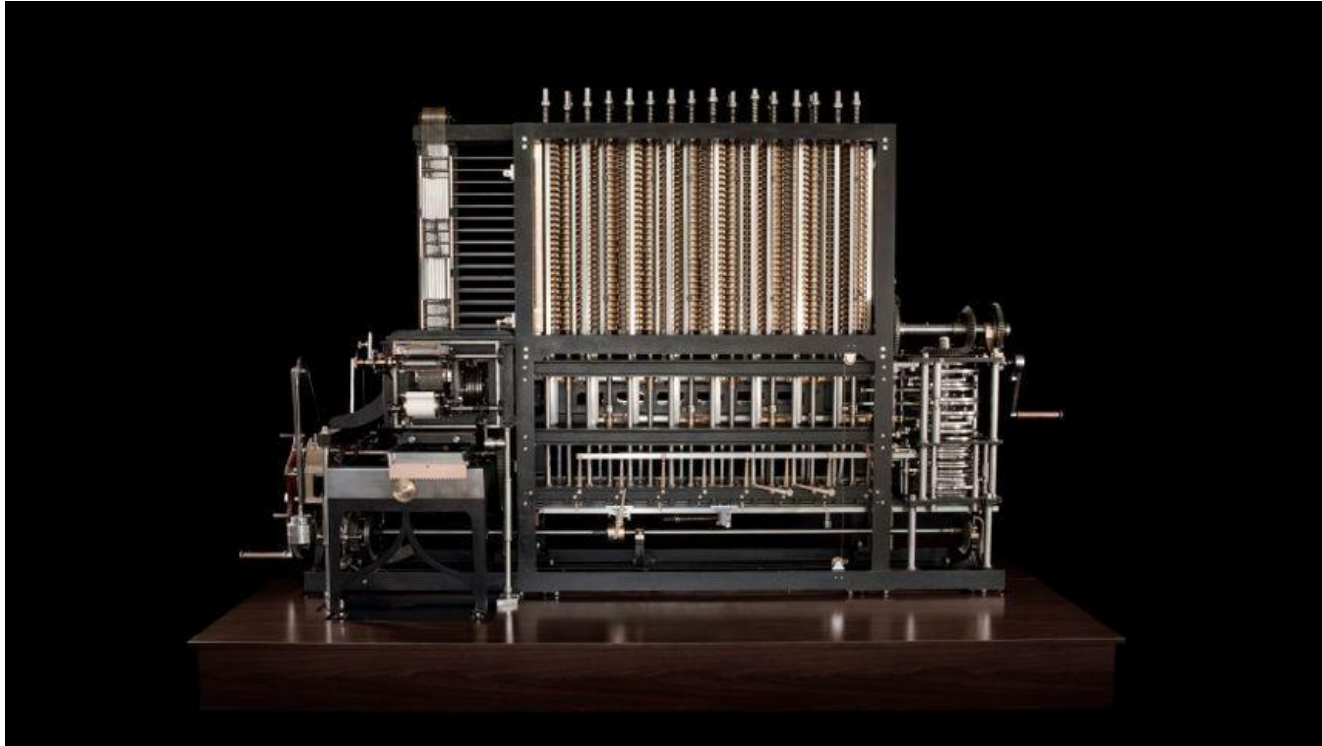




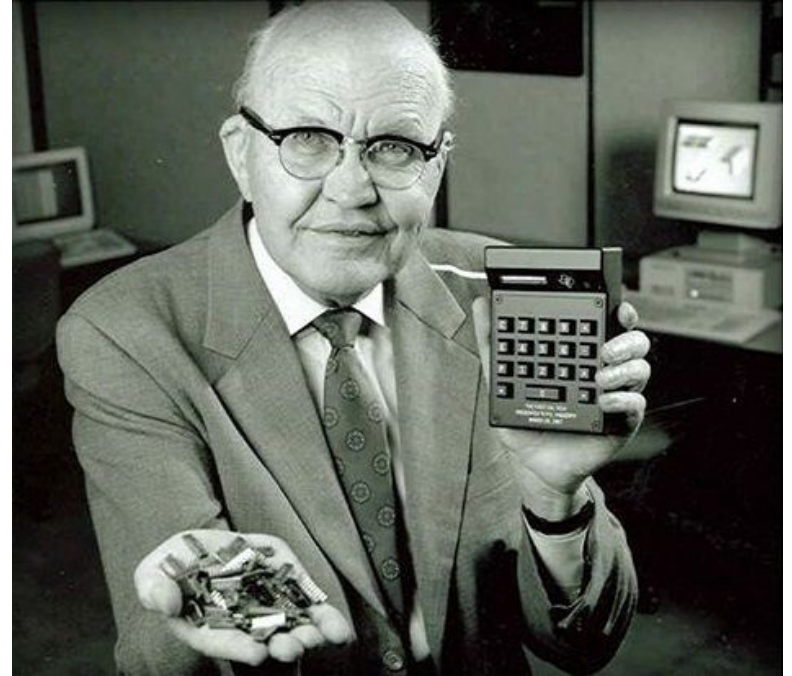
The invention of the computer



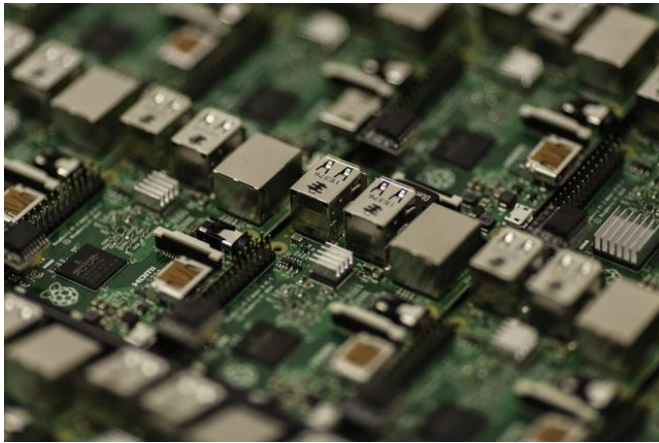
Charles Babbage



The Babbage Engine



John Mauchly, Presper Eckert, and Clair Kilby



Computers started using chip transmitters that allowed the use of computers as communication devices.

Reference

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THANK YOU !!!