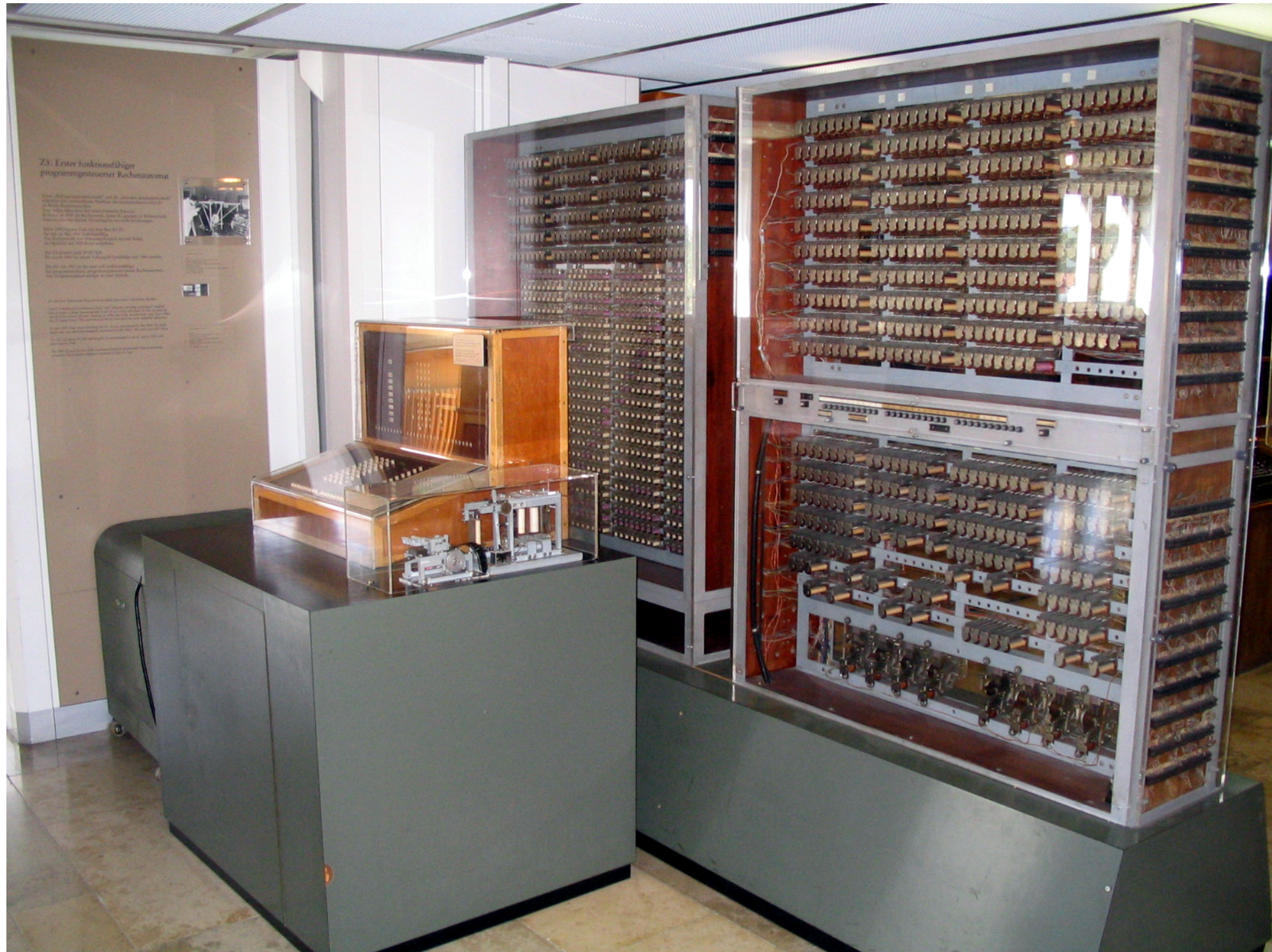


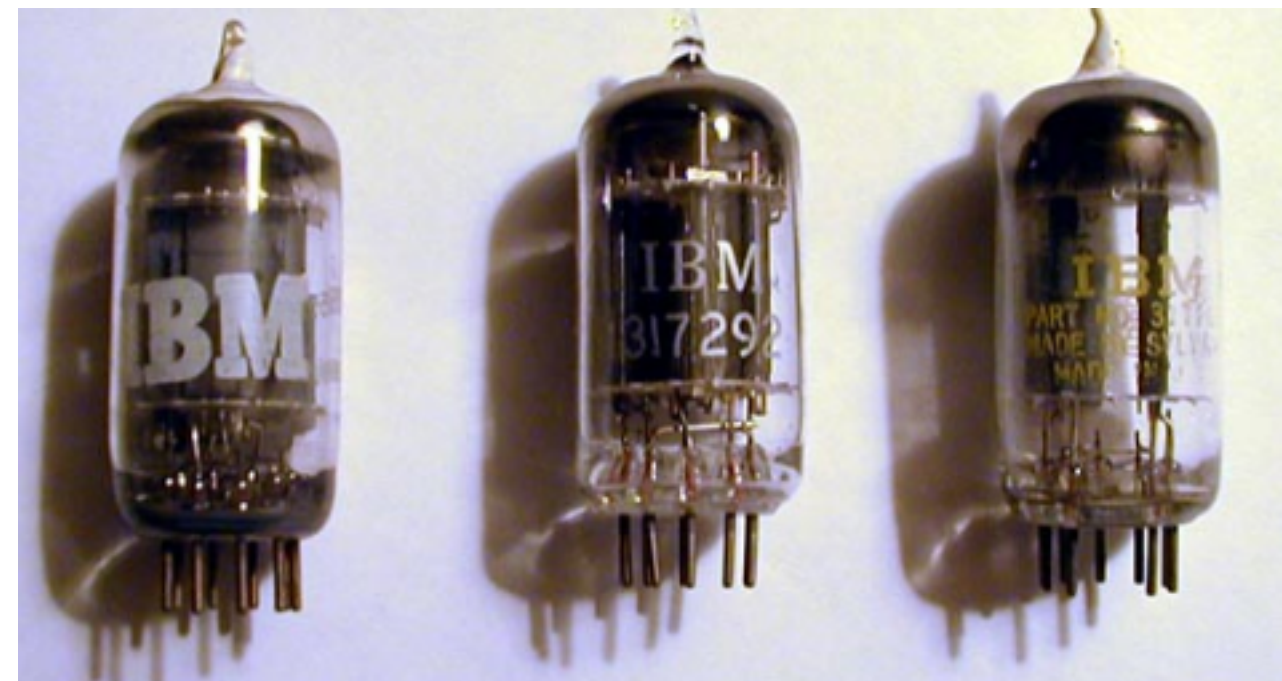
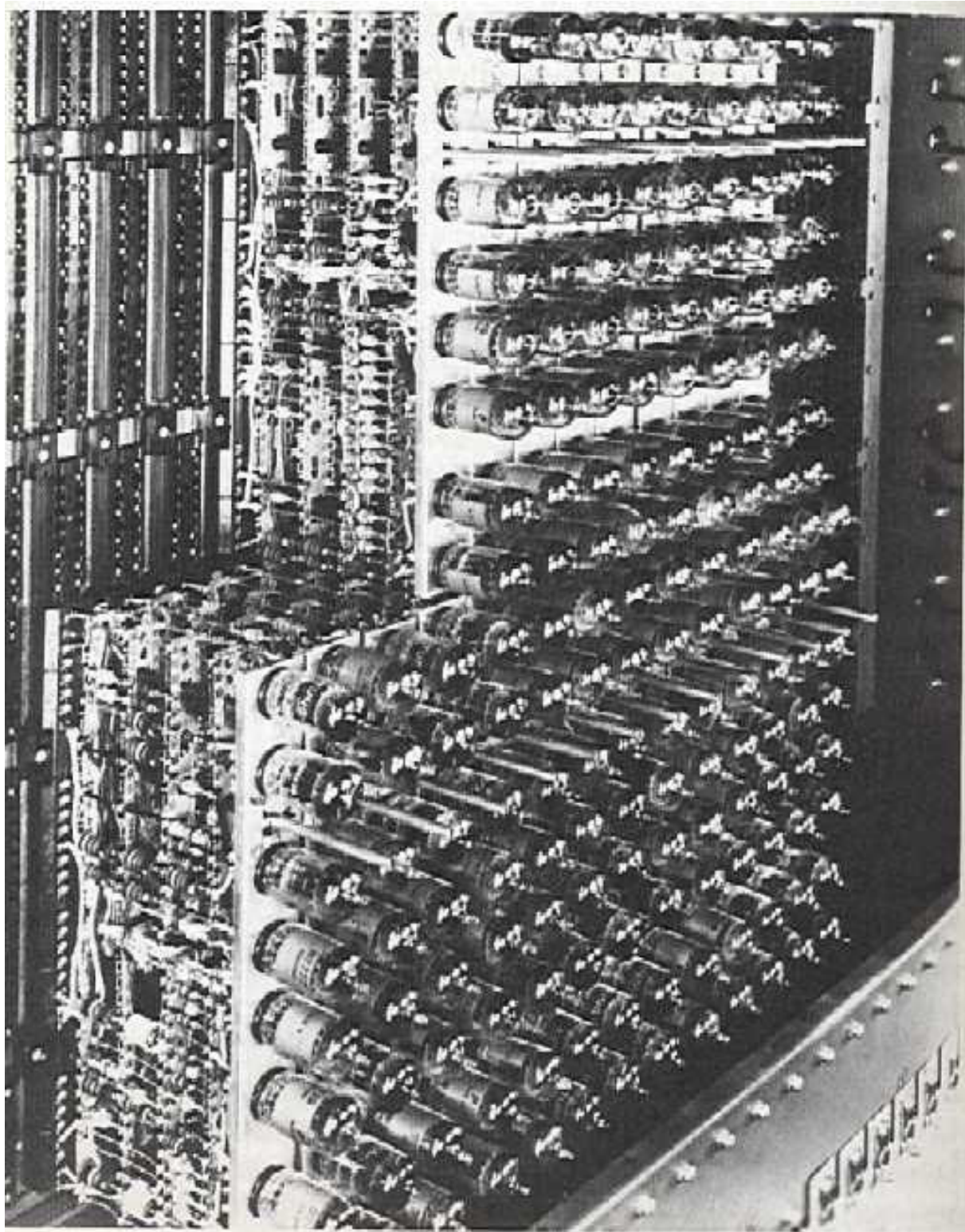
History of computation

Miniaturization

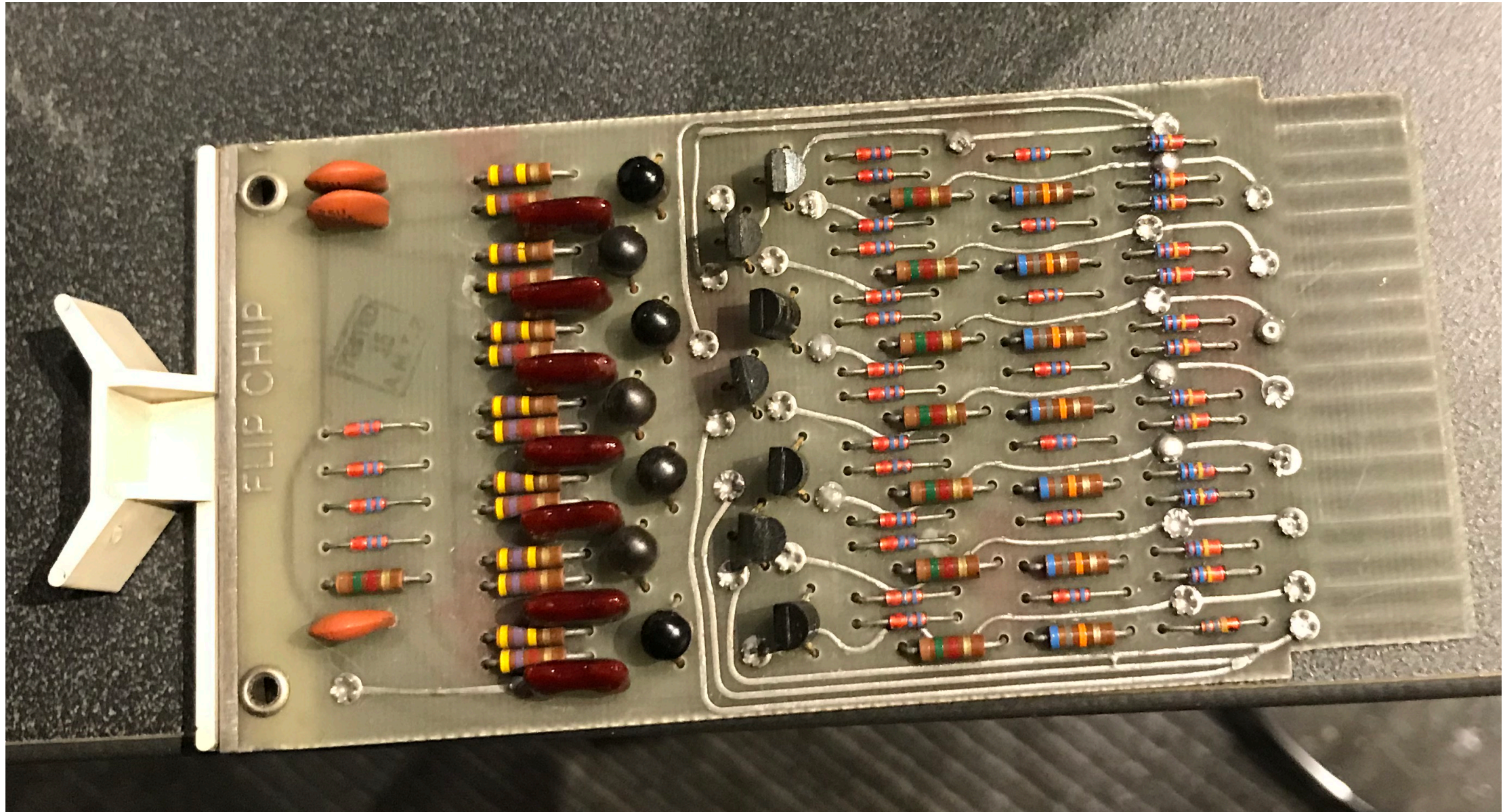
Relays & vacuum tubes



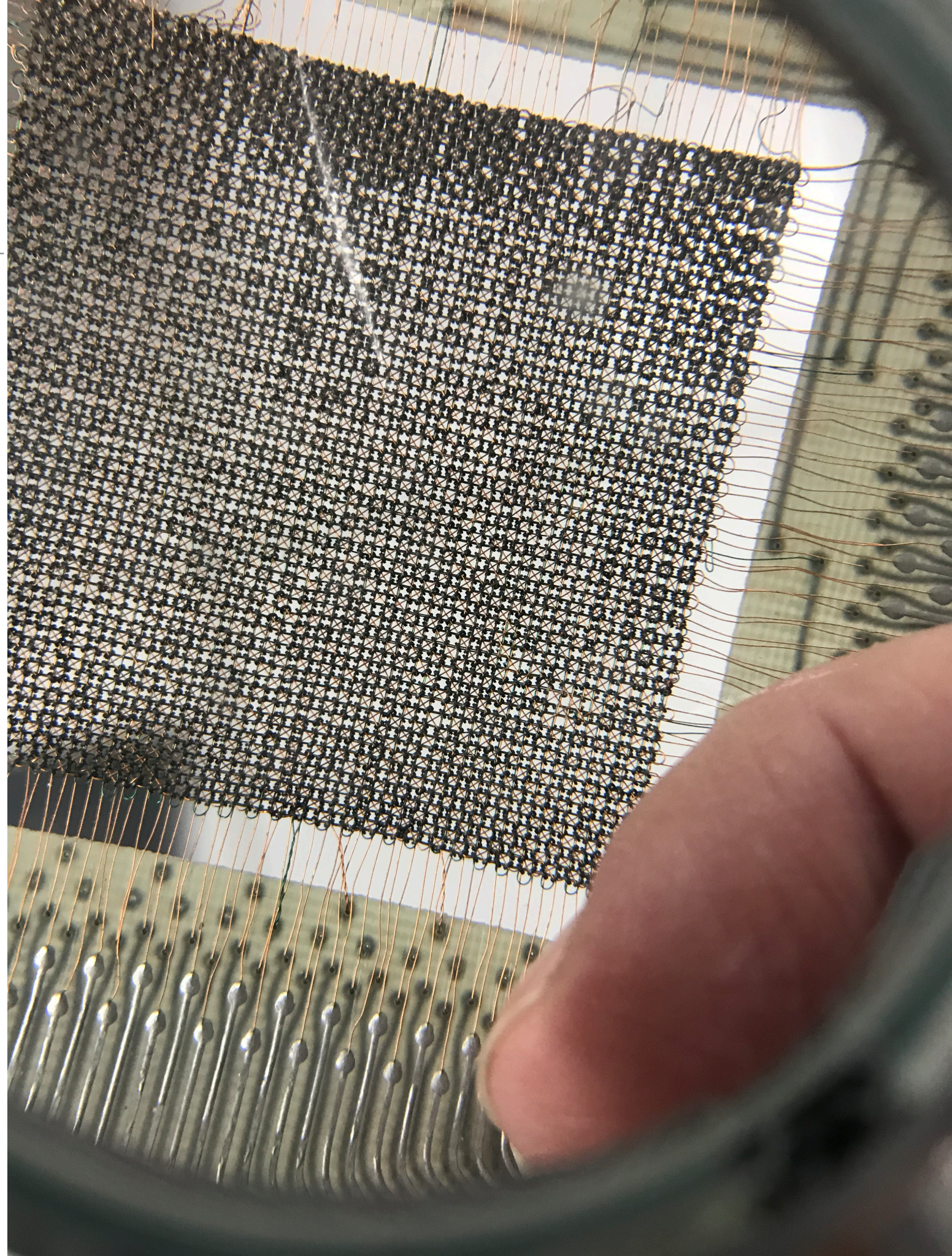
Relays & vacuum tubes

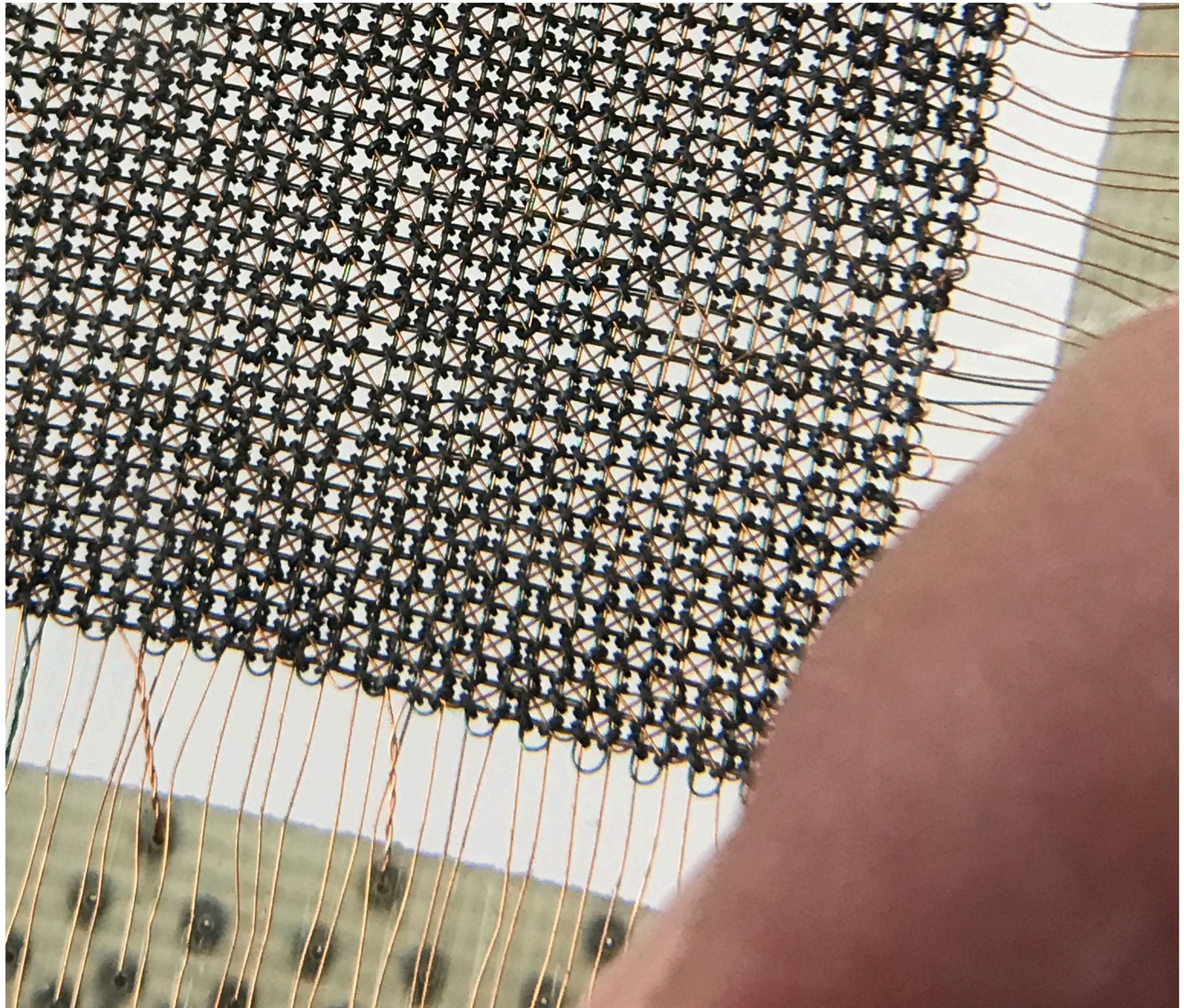


Transistors & Core Memory

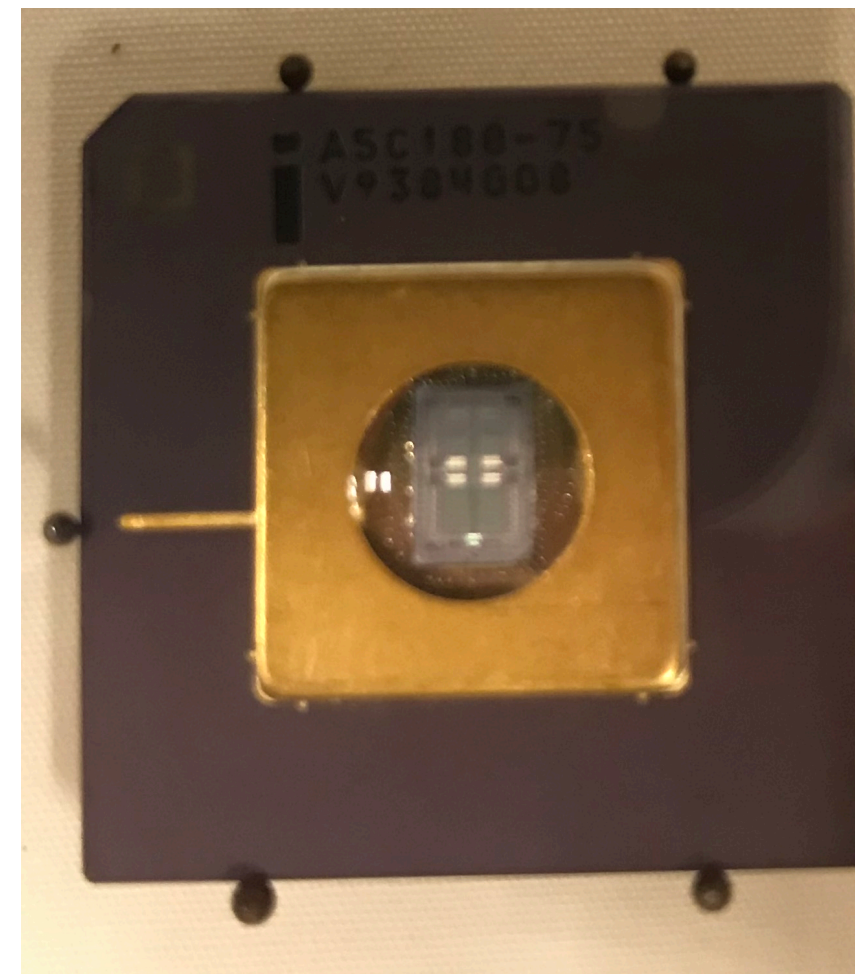
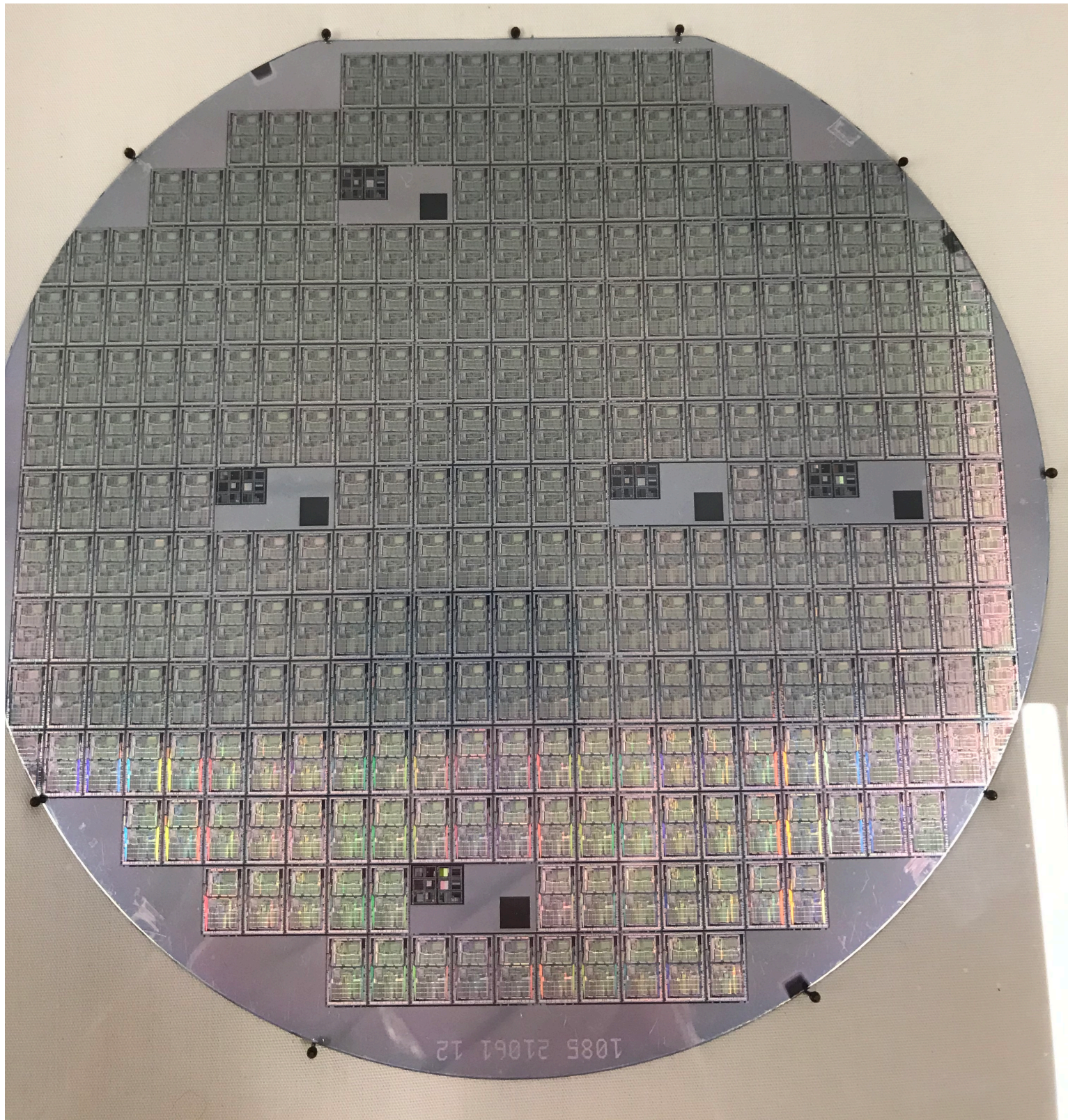


Transistors & Core Memory

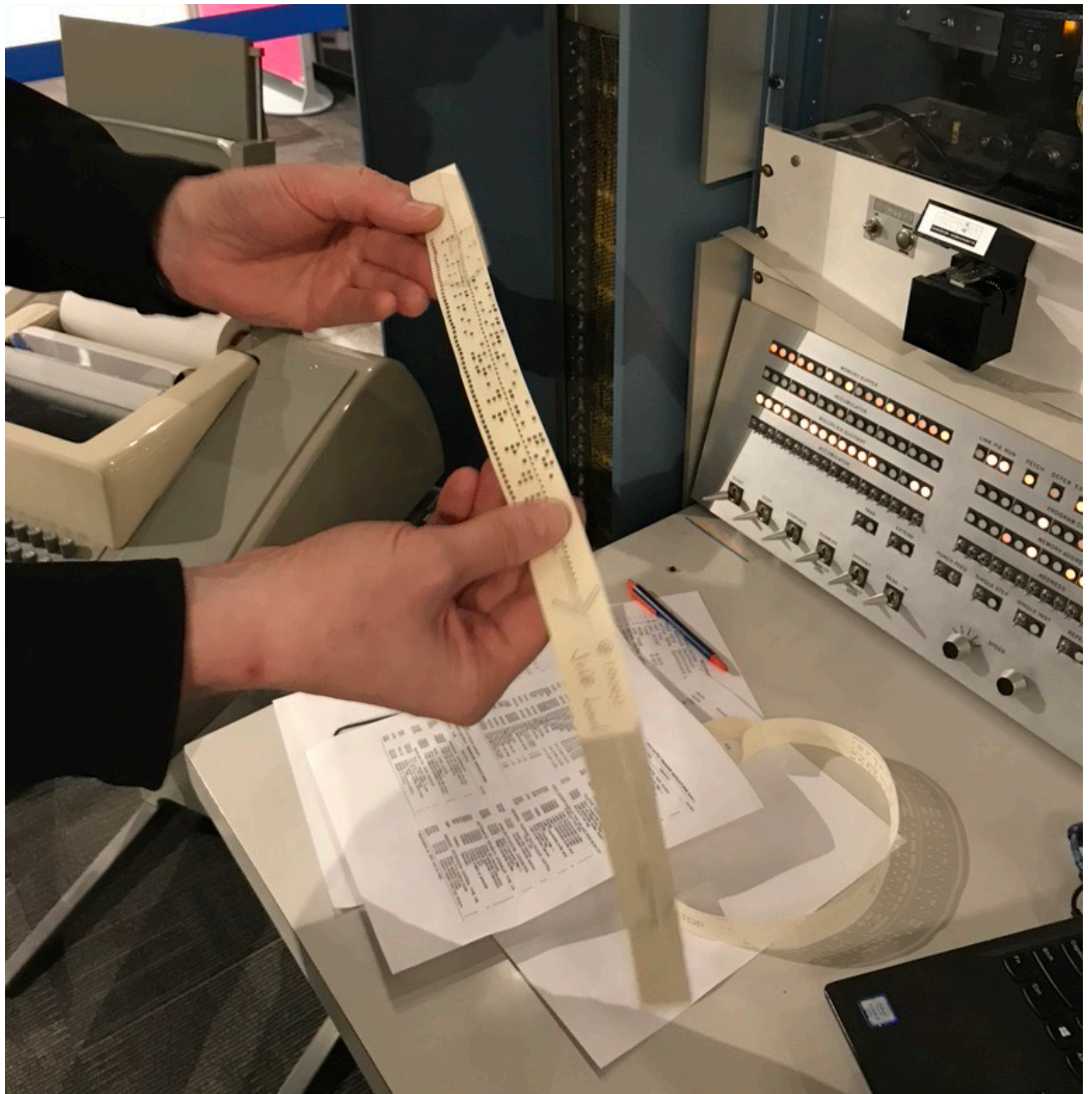




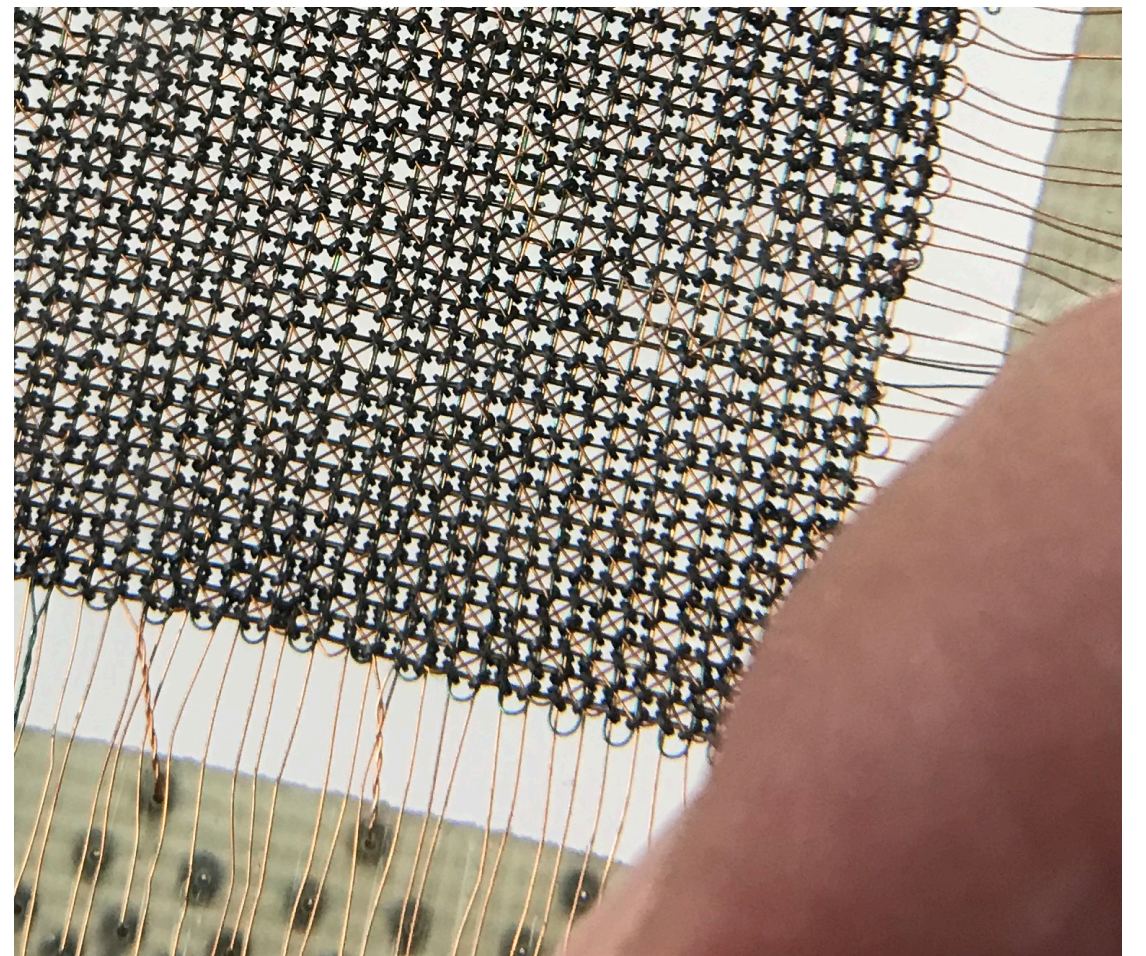
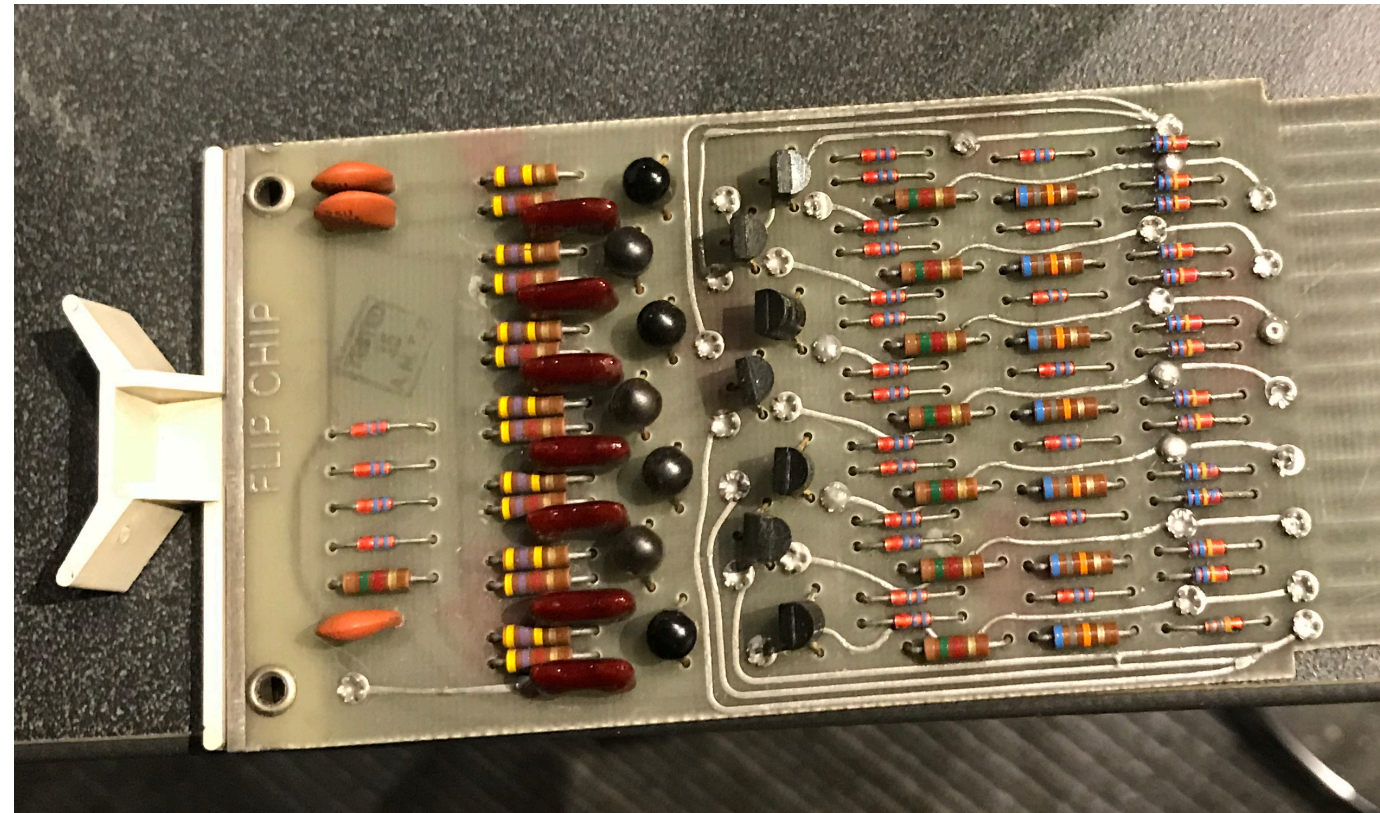
Integrated circuits

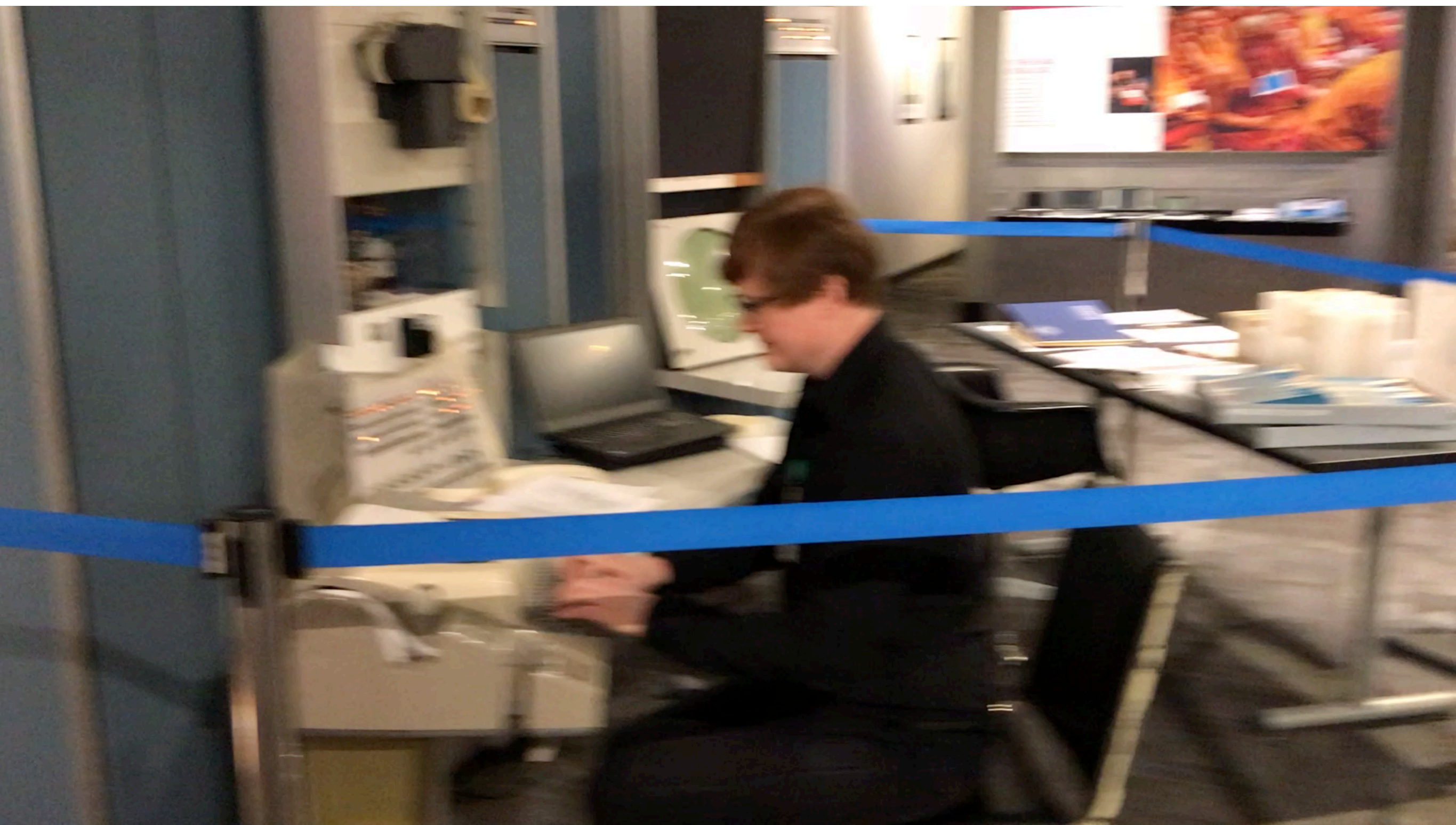


UNIX 0









Apollo computer & representation



MARGARET HAMILTON, SOFTWARE ENGINEER



Margaret Hamilton recalled that when she started her career in programming, "there was no choice, but to be pioneers."

Hamilton was already an exceptionally talented programmer by the time she joined the effort to send Americans to the moon. As Director for Software Development at MIT's Instrumentation Laboratory, Hamilton led the team in charge of the software that would allow humans to pilot their way to the moon and back.

The challenge facing Hamilton and her team was immense. The Apollo Guidance Computer (AGC) was a groundbreaking technological achievement in a program filled with groundbreaking technological achievements—and it all ran on code created by Hamilton's team.

After Apollo, Hamilton developed software for the Skylab space station.

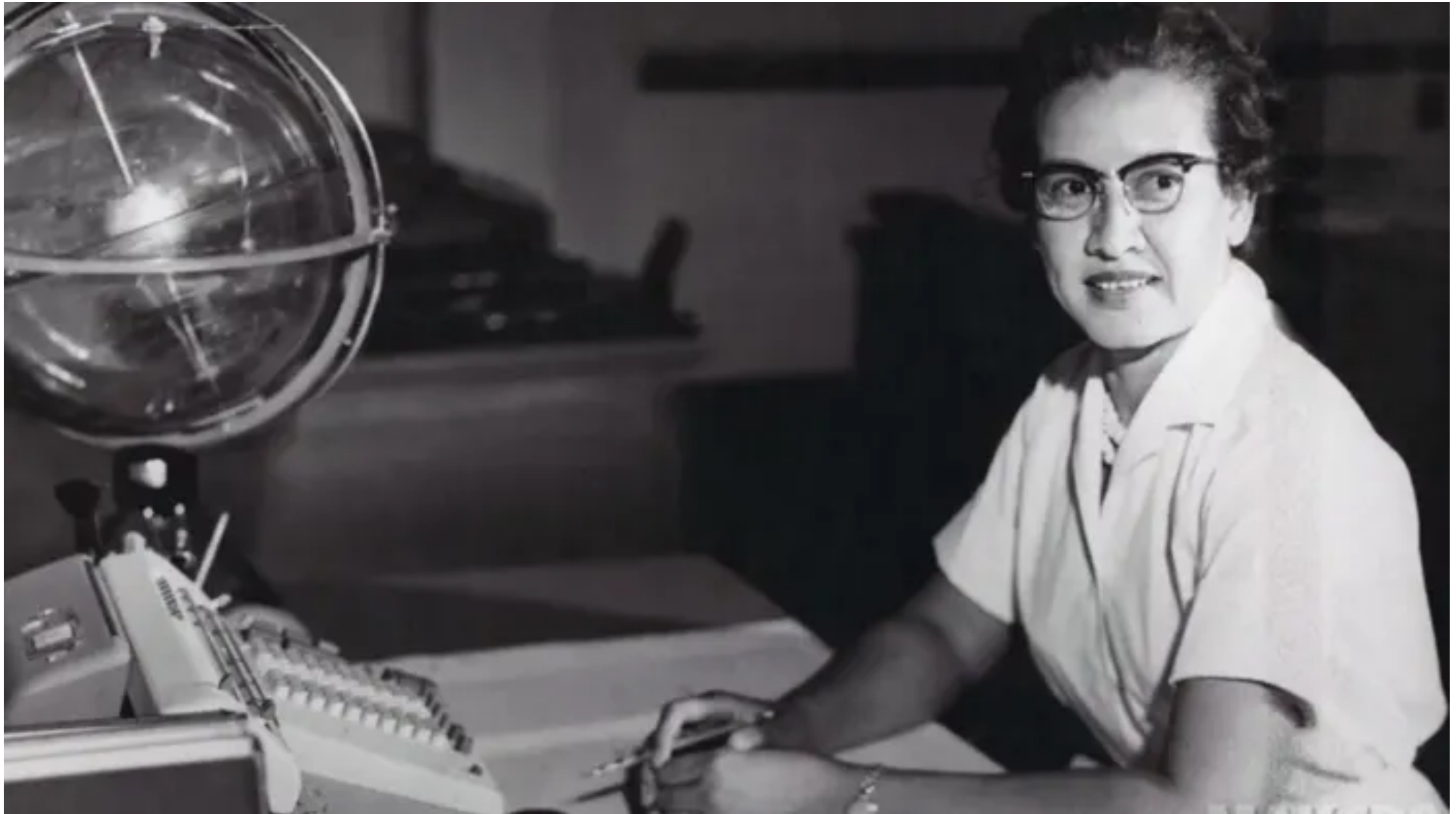
Among Hamilton's many accomplishments—credit for coining the term 'software engineer.'

Margaret Hamilton standing with a stack of Apollo Guidance Computer program listings, 1968. Gift received through the MIT Museum. The stack contains listings for several missions.

Margaret Hamilton, Grace Hopper PhD



Katherine Johnson, 1918-2020

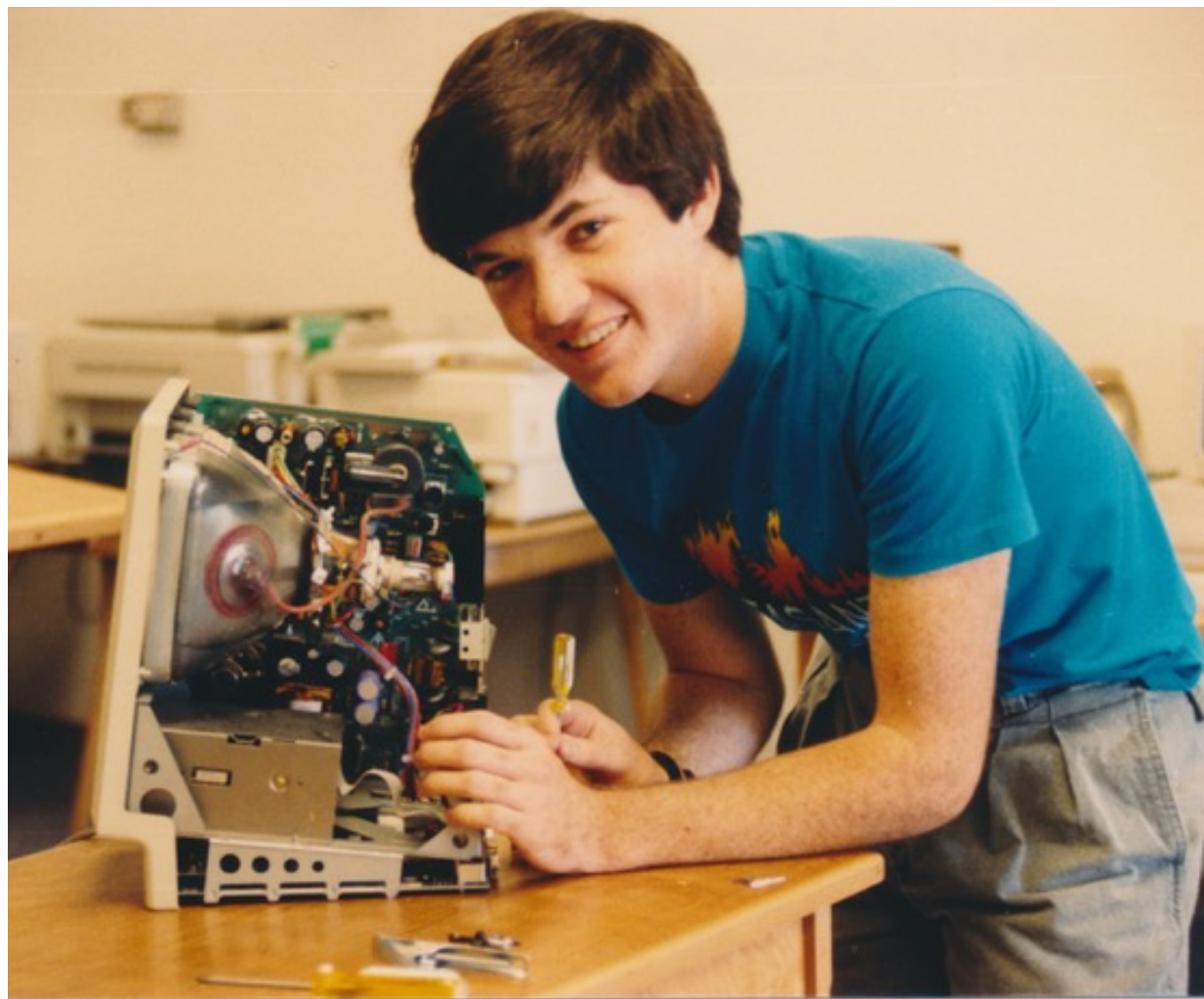


Your computer history?

My parents & birth of desktop publishing



Me & my sister



My family and computers



Pete Morales



Barbara Hosier