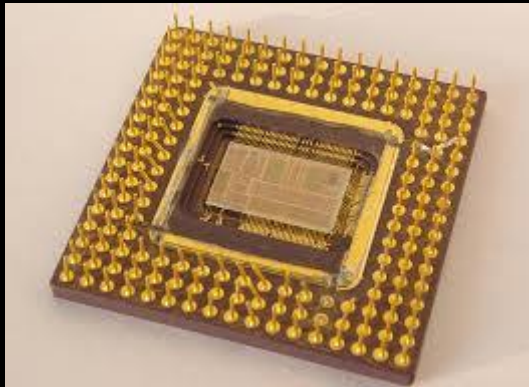




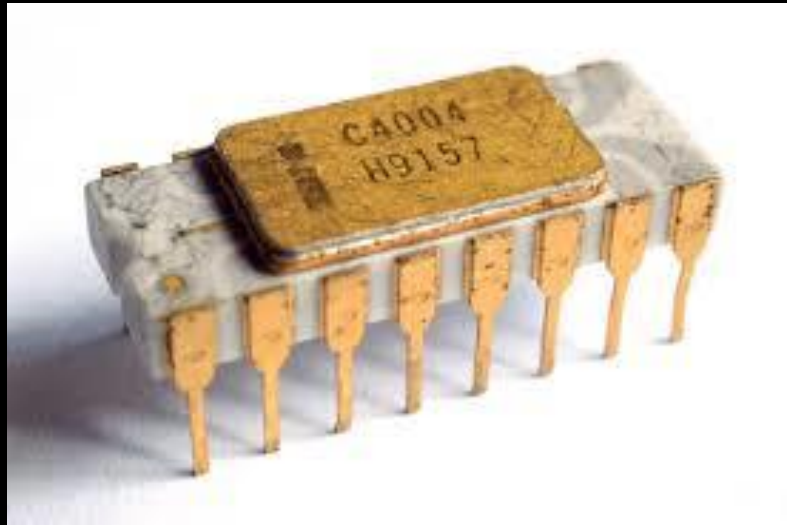
How microprocessors were born

WHAT IS A MICROPROCESSOR

A **microprocessor** is an electronic component that is used by a computer to do its work. It is a central processing unit on a single integrated circuit chip containing millions of very small components that work together.



Since the first microprocessor
1970s

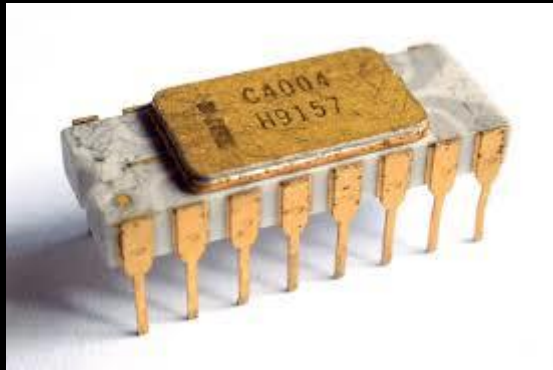


To the latest microprocessor
2019s

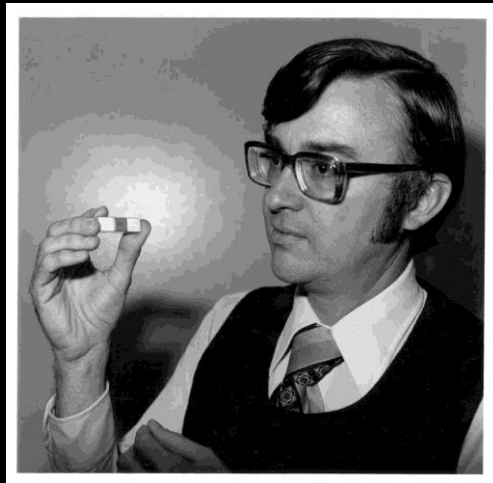


THE INTEL 4004

The Intel 4004 is considered the first microprocessor, its creation by Intel came down to a combination of hard work, the right timing and just plain luck. The plain of the chip begins in 1969 when the Busicom contracted with Intel to build a chip needed for a new calculator. It operated on 4 bit and it was ideated by Federico Faggin e Marcian Hoff 8 (also called Ted Hoff).



Intel 4004



Federico Faggin



Marcian Hoff

THE APPLE A13

The **Apple A13 Bionic** is a 64-bit ARM-based system on a chip, designed by Apple Inc. It appears in the iPhone 11 and iPhone 11 Pro. The Apple A13 Bionic features an Apple-designed 64-bit ARMv8.3-A six-core CPU, with two high-performance cores running at 2.65 GHz called Lightning and four energy-efficient cores called Thunder. The Lightning cores feature machine learning accelerators called AMX blocks. Apple claims the AMX blocks are six times faster at matrix multiplication than the Apple A12's Vortex cores. The AMX blocks are capable of up to one trillion 8-bit operations per second.



Presented
by

Tim Cook

Biohacking



WHAT IS BIOHACKING

«Biohacking» is a growing movement of people where they implant chips into their bodies in order to optimize performance. It uses RFID (radio frequency identification) to perform simple tasks like unlock personal devices without pin codes, contactless payment or monitorate heart rate. Biohacking can change the future of how we deal with our bodies.

Biohacking can change the future of how we deal with our bodies. It's an important new science which needs to be studied and have close attention by the public. In a regulated environment, biohacking can give humans a new perspective on their biology and really made tremendous advances in treating several conditions, like mental health and addiction. However, it's not something that should be taken lightly, because the risks are real. Here's to seeing what biohacking has to bring in the near future!

BioNyfiken is a Swedish biohacking community.

WHY DO IT

Advantages

- Boost serotonin and dopamine, which are the common neurotransmitters that increase good feelings.
- Increase long term memory and productivity.

Disadvantages

- It can create carcinogenic and pathologically detrimental organisms.
- Biohacking is a relatively new theory so the longevity of the methods and techniques has yet to be tested.