

Twitter Thread by Andromeda Yelton



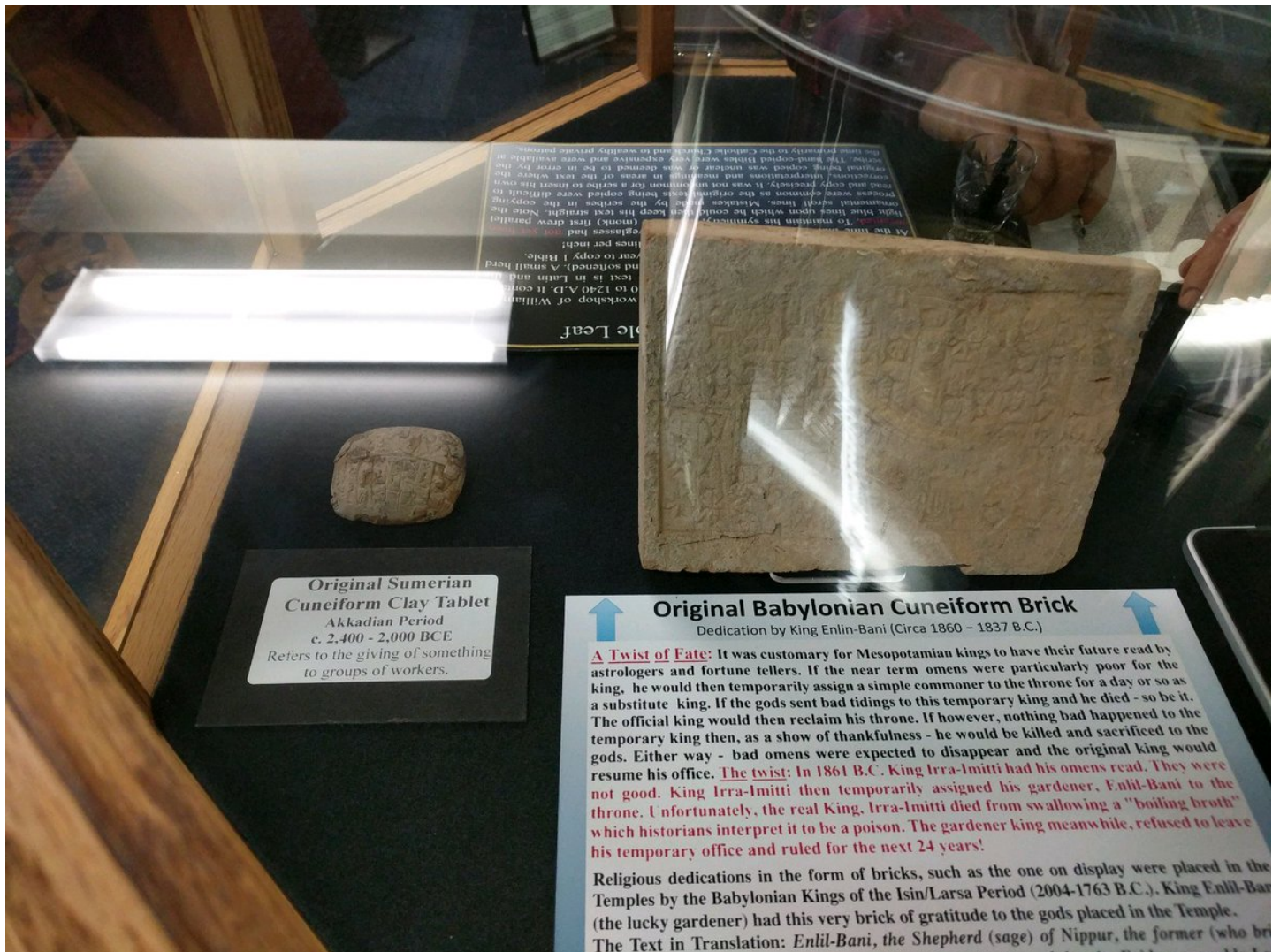
Andromeda Yelton

@ThatAndromeda

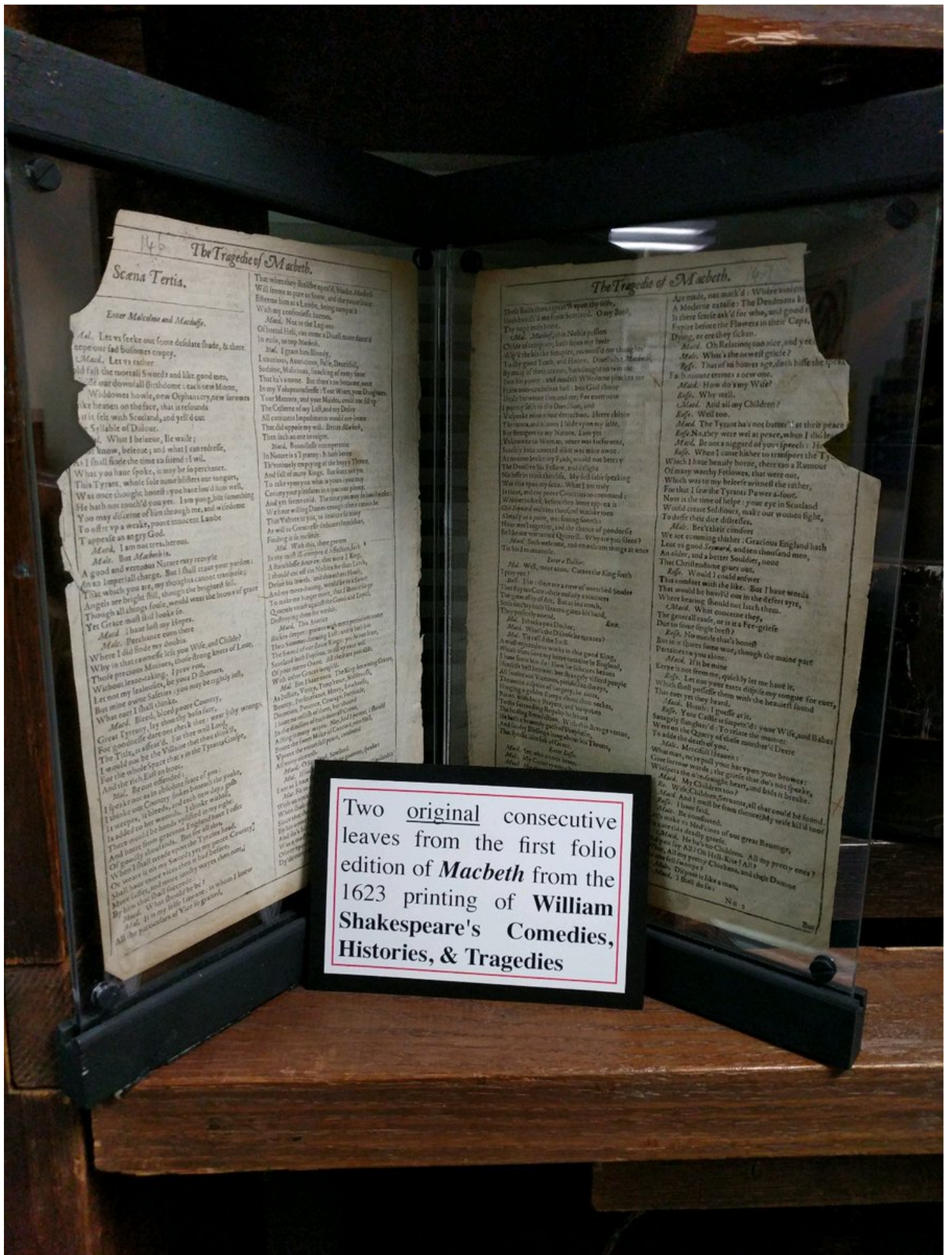


I have an hour or two to kill in Bozeman so I found this hole in the wall computer history museum and...wow. This is not what I expected. +

Computing starts with writing, so what if we had 4000 year old Mesopotamian tablets, sure ok.

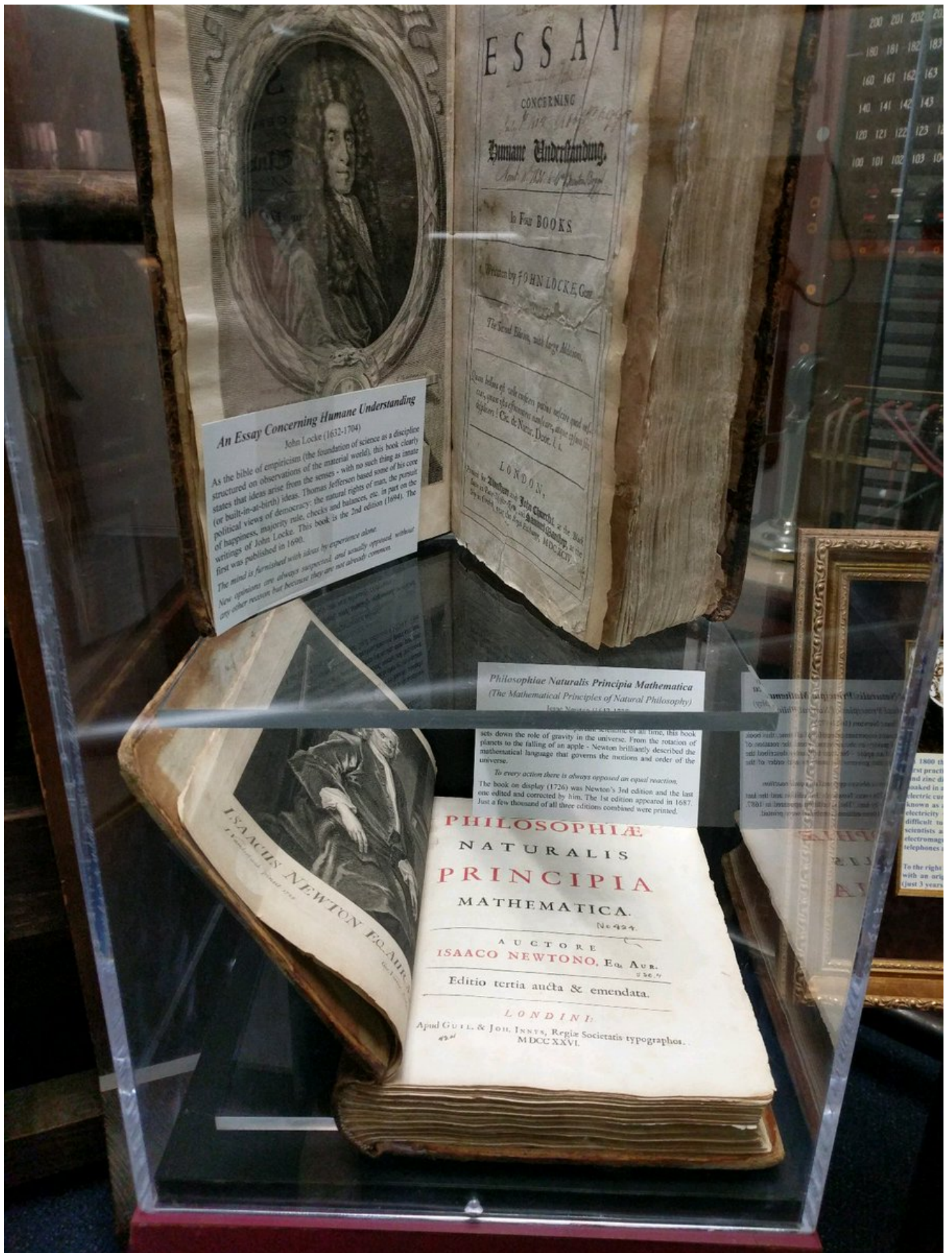


First folio Shakespeare, also a thing



Two original consecutive
leaves from the first folio
edition of *Macbeth* from the
1623 printing of William
Shakespeare's *Comedies,
Histories, & Tragedies*

You could hardly call it a history museum if on the outskirts of a town of <50K you didn't have the Principia



My friends talk about the PDP-11 but obvi that's too newfangled for a serious history museum



What if we had a first-run chip from the first microprocessor



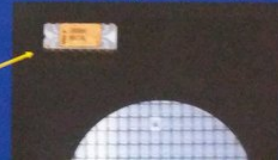
This 4004 Microprocessor Wafer (from the first successful batch made by Federico Faggin) was personally donated in 2001 by Federico Faggin to the American Computer Museum



The 1st Microprocessor - The Intel 4004 (1971)

On Display Above:

An original Intel 4004 microprocessor in its ceramic package.



It's cool when your pal Woz gives you a computer



Wozniak

(1976)



Steve Wozniak "Woz"

In 1976 at his apartment, Steve Wozniak alone designed the hardware, circuit board designs, and operating system for the Apple I. Wozniak originally offered the design to Hewlett Packard, while working there, but was denied by the company on five different occasions. His friend Steve Jobs instead had the idea to sell the Apple I with Wozniak as a fully assembled printed circuit board. Wozniak, at first skeptical, was later convinced by Jobs that even if they were not successful they could at least say to their grandkids they had had their own company. Together they sold some of their possessions (such as Wozniak's HP scientific calculator and Jobs' Volkswagen van), raised \$1,300, and assembled the first boards in Jobs' bedroom and later (when there was no space left) in Jobs' garage.

APPLE-1
OPERATION
MANUAL

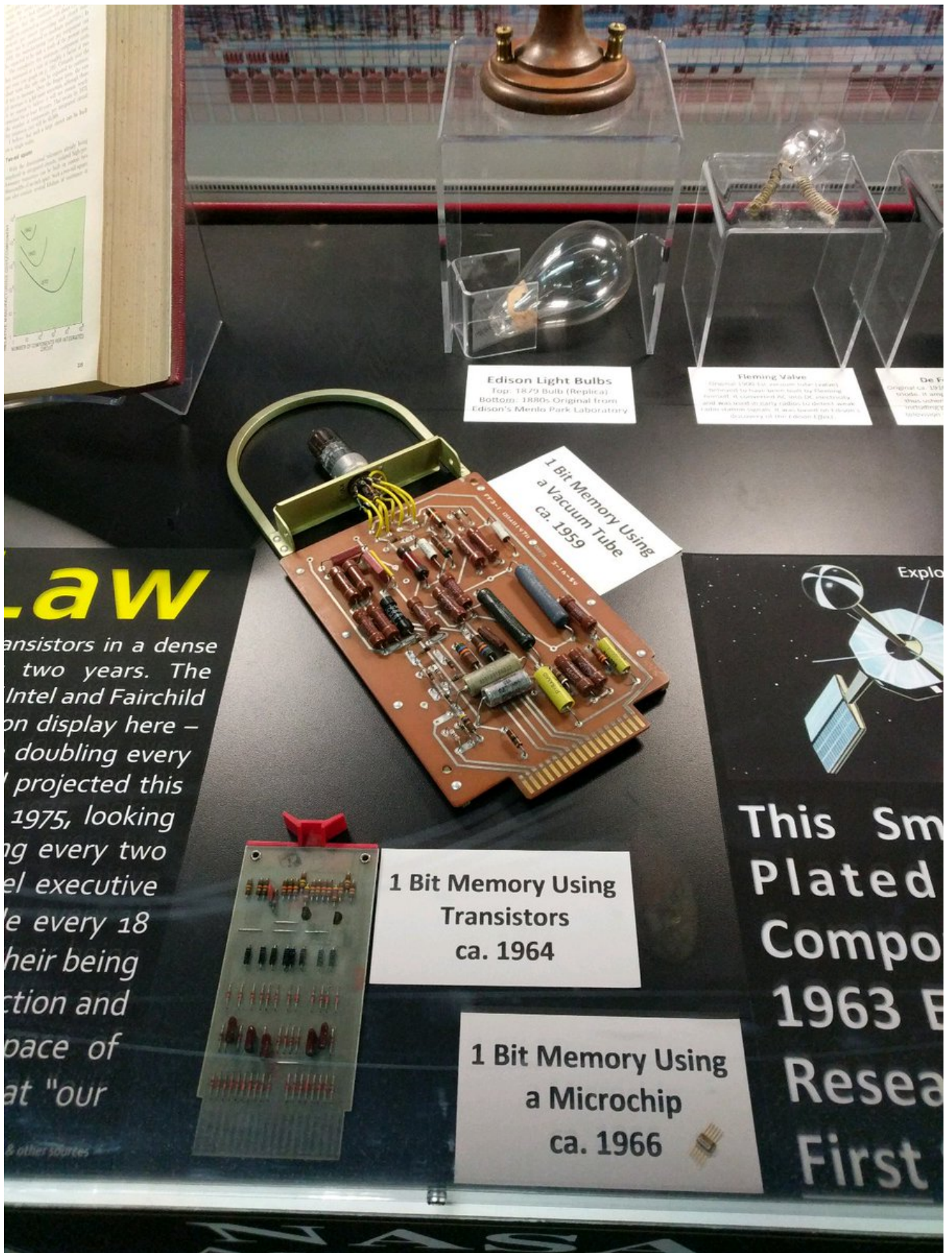
Steve Wozniak (Woz)

The Apple 1 Computer

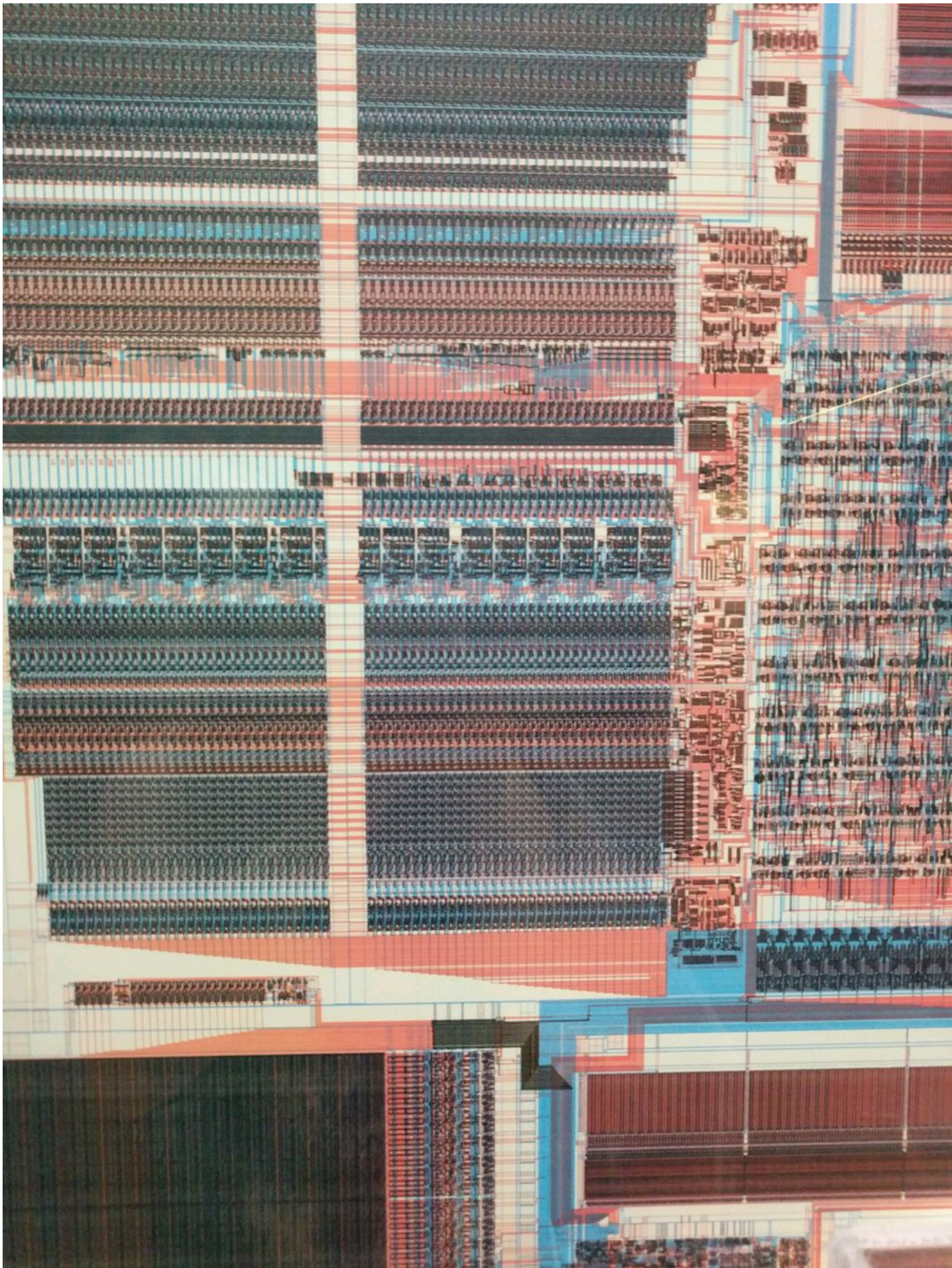
(1976)

I, Steve E. Wozniak, (Woz) the Inventor & Designer of the Apple I Computer and the Co-Founder of the Apple Computer Company have donated unconditionally to the American Computer Museum in Bozeman, Montana an Original Apple I Computer - a photograph of which is shown above.

Woz Steve Wozniak



Detail from a plan for the 486 microprocessor; the whole is perhaps 3x5 feet, for a 6.8sq in chip



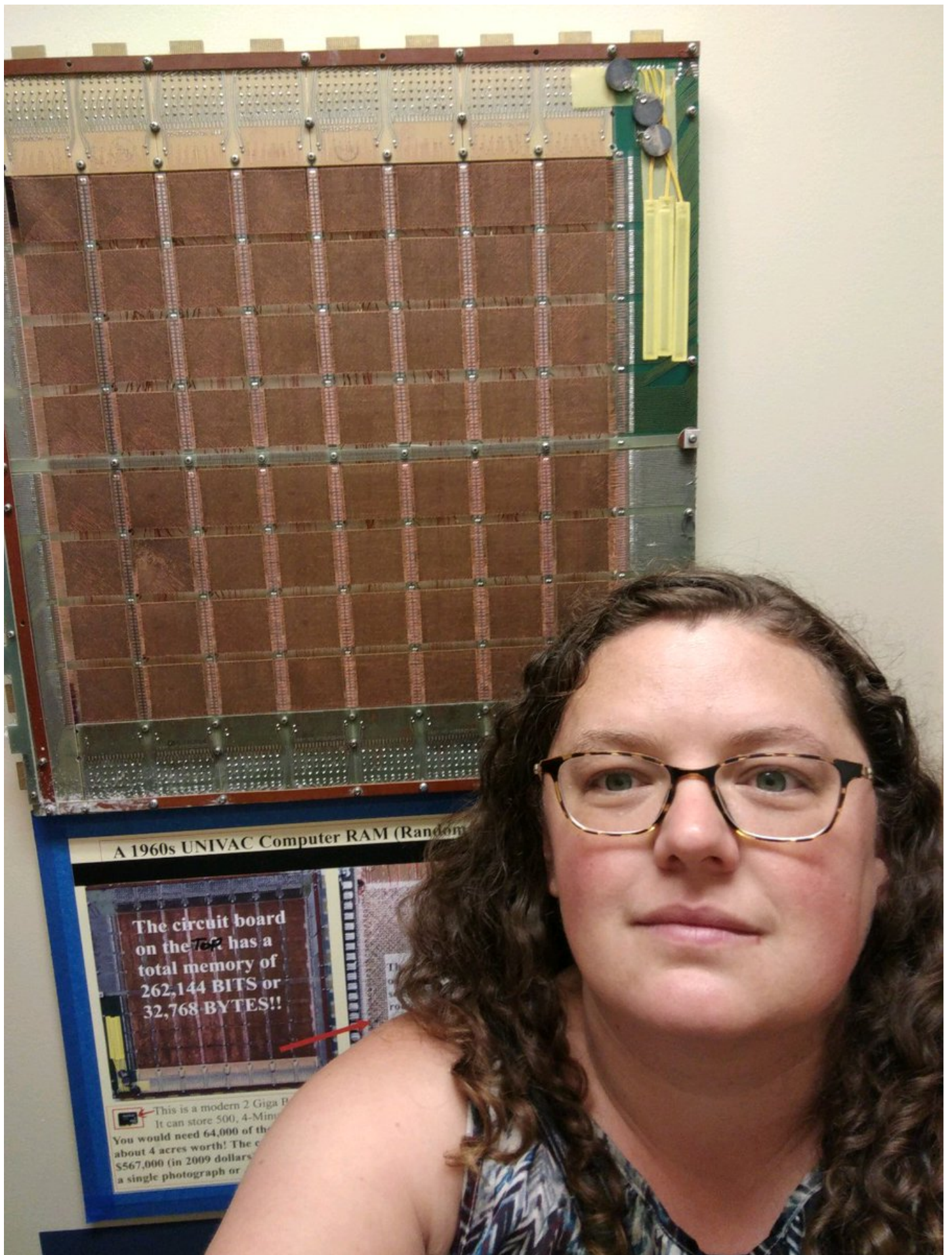
The 1965 disk behind me holds 8MB



This watch has been to the moon



32K of RAM, from the 1960s



First automated DNA sequencer, 1986. My dad got his PhD in genetics over a decade prior. Just imagine.



I give up. How does this museum even exist.



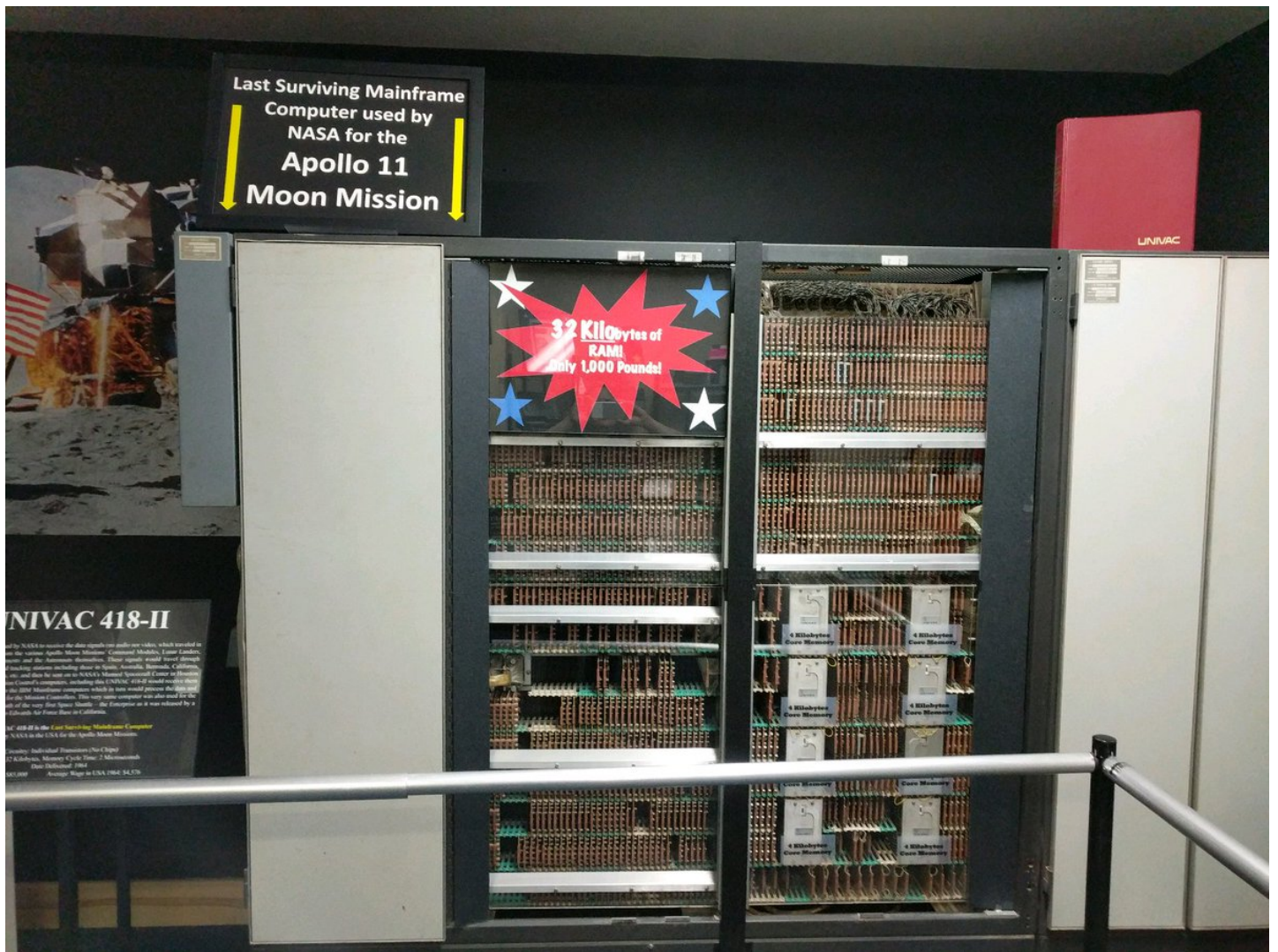
It is totally reasonable to have an autographed Claude Shannon



Hello robot friends (and enemies)



This computer did not go to the moon. It just helped people go there. Also 32K.



This is like github but for Apollo 4

Prepared for
National Aeronautics and Space Administration
Lyndon B. Johnson Space Center

Point Acquisition &
Communication Computer
Space Information Systems Operation

RECEIVED AND CONTROL UNIT DATA SYSTEM (CDS)
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4847764 TUL SYSTEM FOR ASCENT REVISION 0 OF PROGRAM BOLRUMS BY NASA 102106-021

DEC 14 1966 (MAIN) PAGE 1

L 001 ASSEMBLY AND OPERATION INFORMATION

USER'S OWN PAGE NO. 1

00001 TABLE OF LOG CARDS (ALL LOG CARDS ARE TWO SPACED)

00002 ASSEMBLY AND OPERATION INFORMATION

00003 PARALLEL ASSIGNMENT

00004 INTERRUPT TRANSFER ROUTINES

00005 TIME-OUTS INTERPRETER SECTION

00006 DATA 03 INTERPRETER SECTION

00007 EXECUTIVE

00008 WAITLIST

00009 RESTART CONTROL

00010 SOI RESTART TABLES AND ROUTINES

00011 FRESH START AND RESTART

00012 DOWN-TELEMETRY PROGRAM

00013 TARIPT OUTPUT CONTROL PROGRAMS

00014 MODE SWITCHING AND MARK ROUTINES

00015 IMU COMPENSATION PACKAGE

00016 TRIG PULSE-TOGGING ROUTINES

00017 EXTENDED VEHES FOR HOJING

00018 AGE SELF-CHECK

00019 INTER-BANK COMMUNICATION

00020 ALARM AND DISPLAY PROCEDURES

00021 ORBITAL INTEGRATION PROGRAM

00022 ORBITAL INTEGRATION FOR SOI

00023 PRELAUNCH ALIGNMENT PROGRAM

00024 INFLIGHT ALIGNMENT PROGRAM

00025 RTB OF CODES

00026 IMU PERFORMANCE TESTS 1

00027 IMU PERFORMANCE TESTS 2

00028 INFLIGHT ALIGNMENT SUBROUTINES

00029 KEYRUPT, UPURPT, FRESH START

00030 PINBALL GAME BUTTONS AND LIGHTS

00031 SOI MISSION CONTROL PROGRAM

00032 POWERED FLIGHT SUBROUTINES

00033 TIME OF FREE-FALL CALCULATIONS

00034 DUMMY SOI INITIALISATION

00035 RE-ENTRY CONTROL

00036 AVERAGE G INTEGRATOR

00037 VERIFICATION ASSISTANCE PROGRAMS

00038 SUM-CHECK END OF RECORD MARKS

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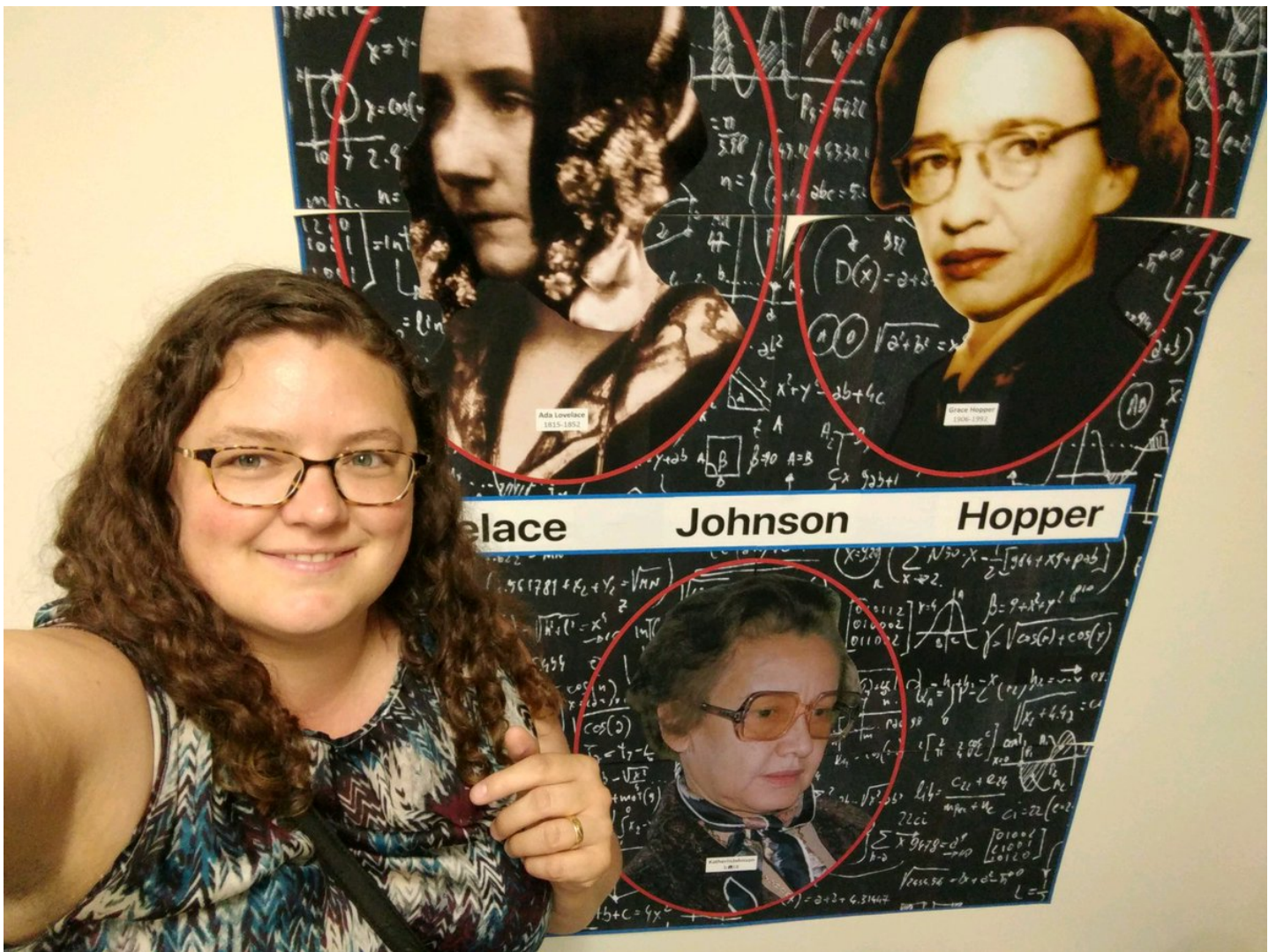
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I do not know who this computing nun was but I am here for her



Yes I am totally taking a selfie in this particular exhibit



I cannot believe this place even exists

Anyway if you liked my tweets about this museum, which is free (!), please consider paypalng them a few bucks
<https://t.co/fMxWSlcNqp>

Also dear thread readers, they are now on Twitter as a result of this thread and your enthusiasm! <https://t.co/9okrF4OyDu>

[@ThatAndromeda](#) Thank you for all of your kind words and images that you posted about our museum in Bozeman, MT. Also a big thank you to several of your followers who followed up on your donation suggestion! We just launched our Twitter account a few minutes ago...

— American Computer & Robotics Museum (@Compustory) [August 11, 2018](#)