

```
2. pdodds@halation-effect: ~/tmp (zsh)
halation-effect ~ ~/tmp:(655d17h58m|git@master|) 5742 ± cat labs.txt | lolcat
★
```

```
week 1 - history and the terminal
halation-effect ~ ~/tmp:(655d17h58m|git@master|) 5743 ±
★
```

Week 1

history and the terminal

history 101

I 642

Pascaline

Blaise Pascal



1679

The Binary System

Gottfried Wilhelm Leibniz



11010001111

The Binary System

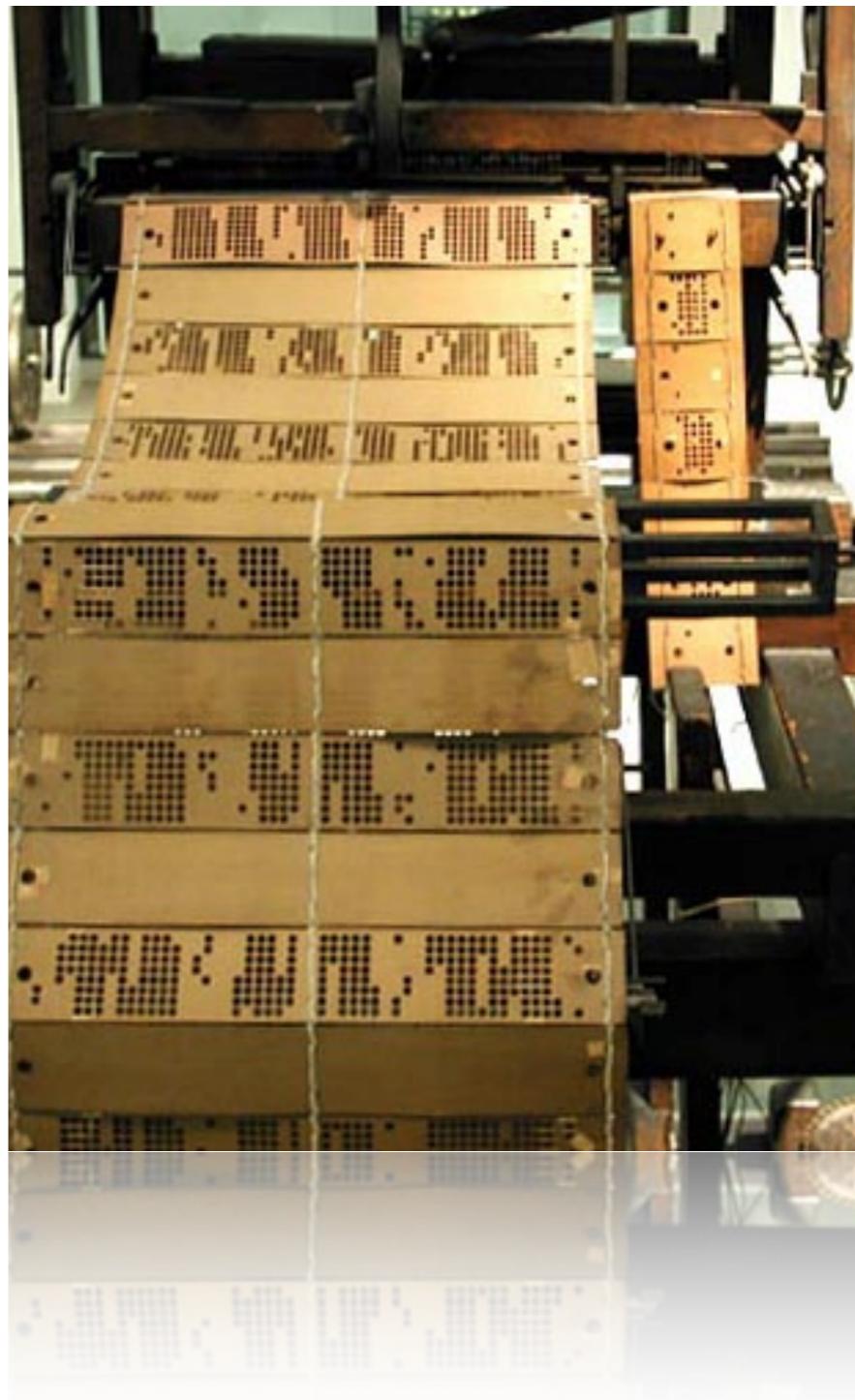
Gottfried Wilhelm Leibniz



| 80 |

Jacquard Loom

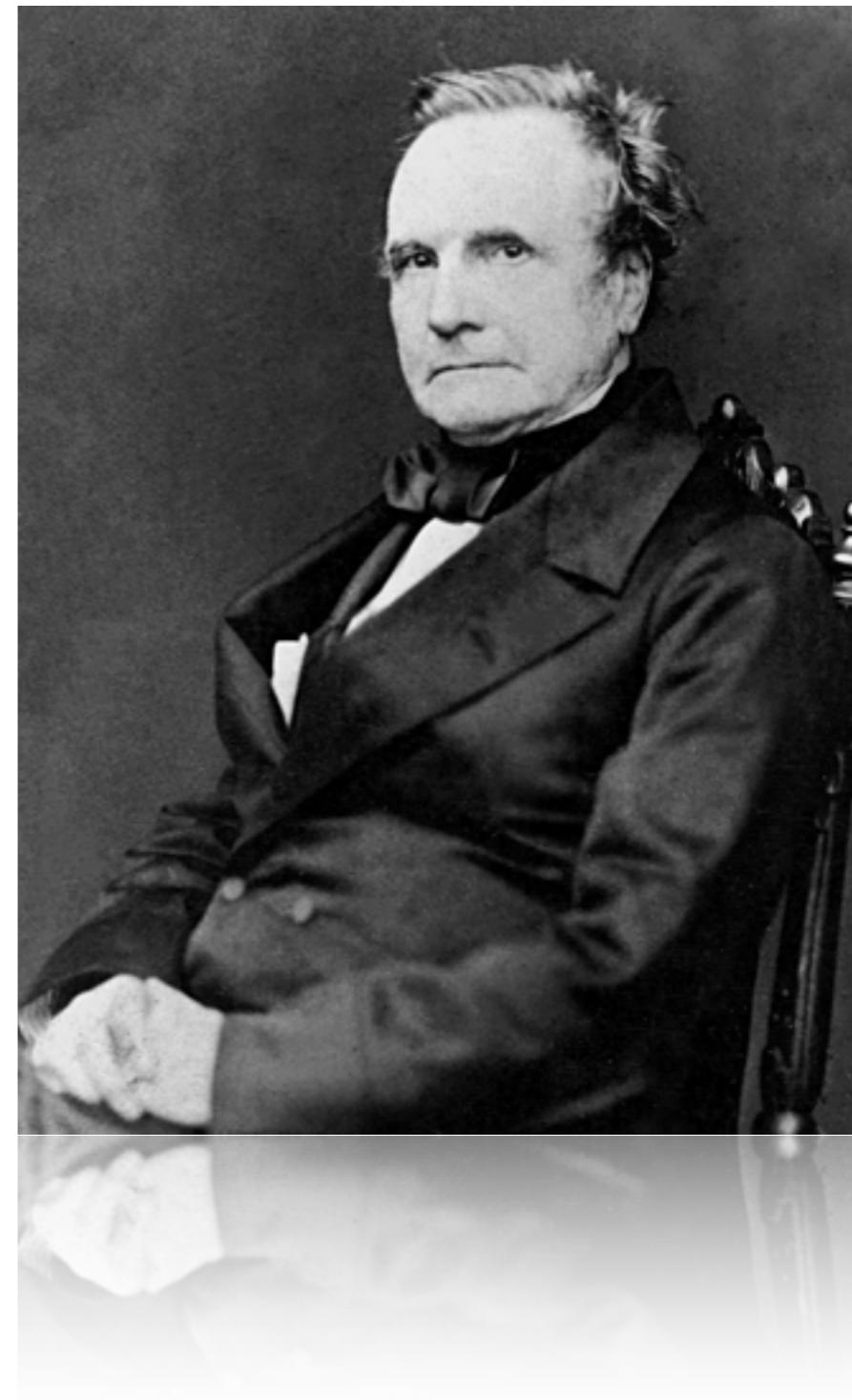
Joseph Marie Jacquard



1822

Difference Engine

Charles Babbage



1842

First Program

Lady Augusta Ada Lovelace



1847

Boolean Algebra

George Boole



1855

Scheutz Difference Engine

Georg Scheutz



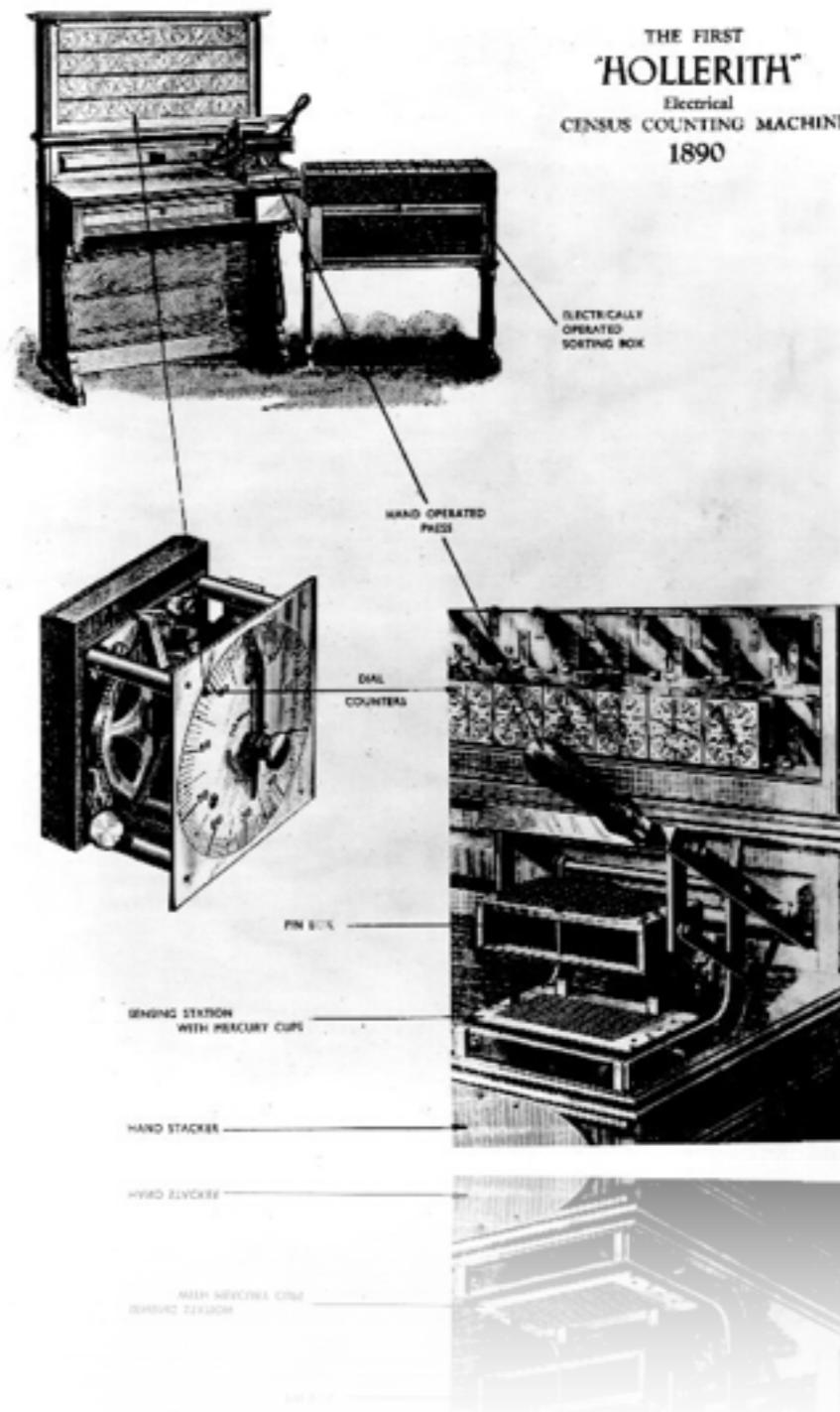
Georg Scheutz

Georg Scheutz

1890

Hollerith tabulator

Dr. Herman Hollerith



1914

CTR becomes IBM

Thomas J. Watson

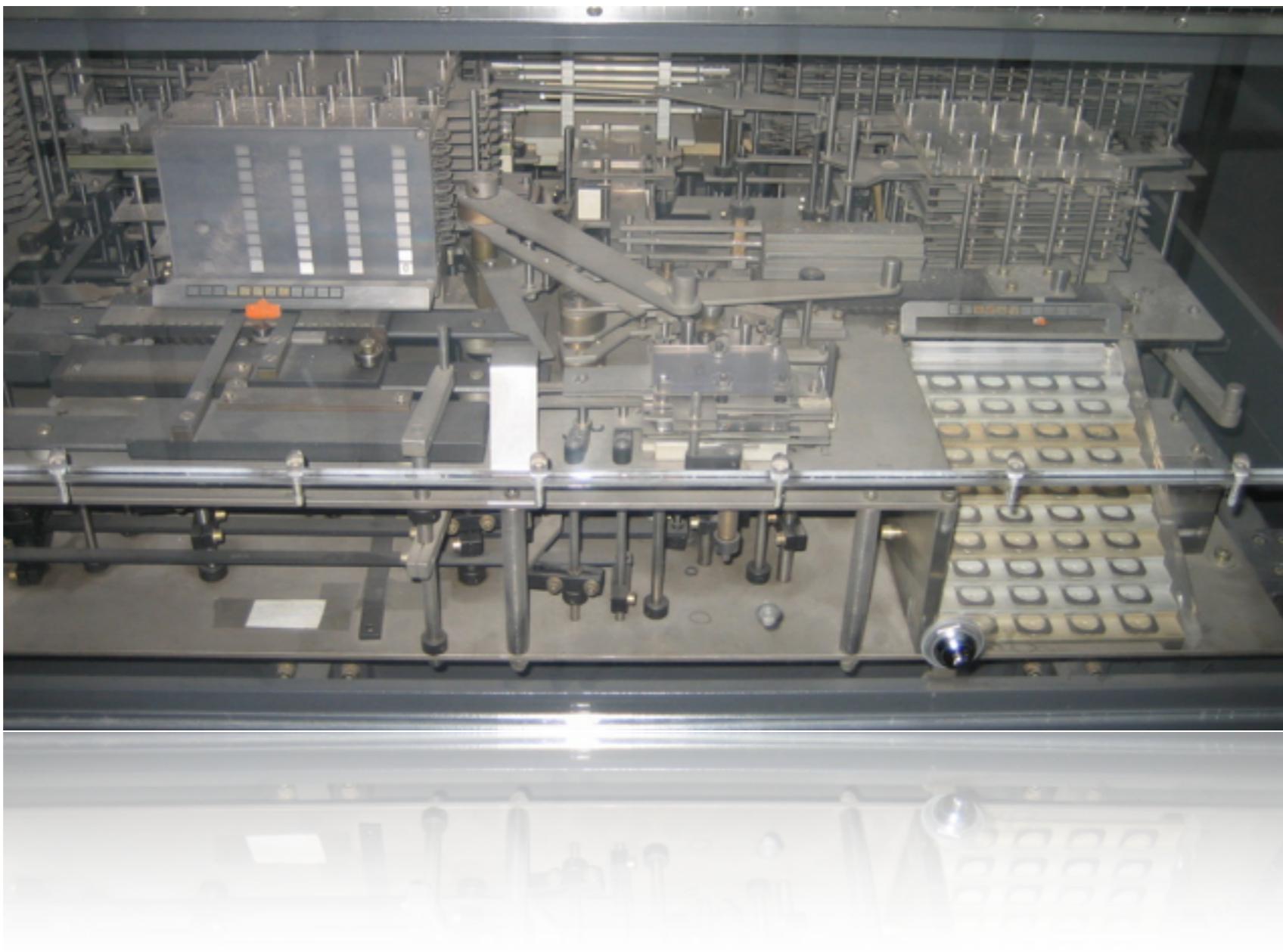


1935

Binary Systems

Konrad Zuse



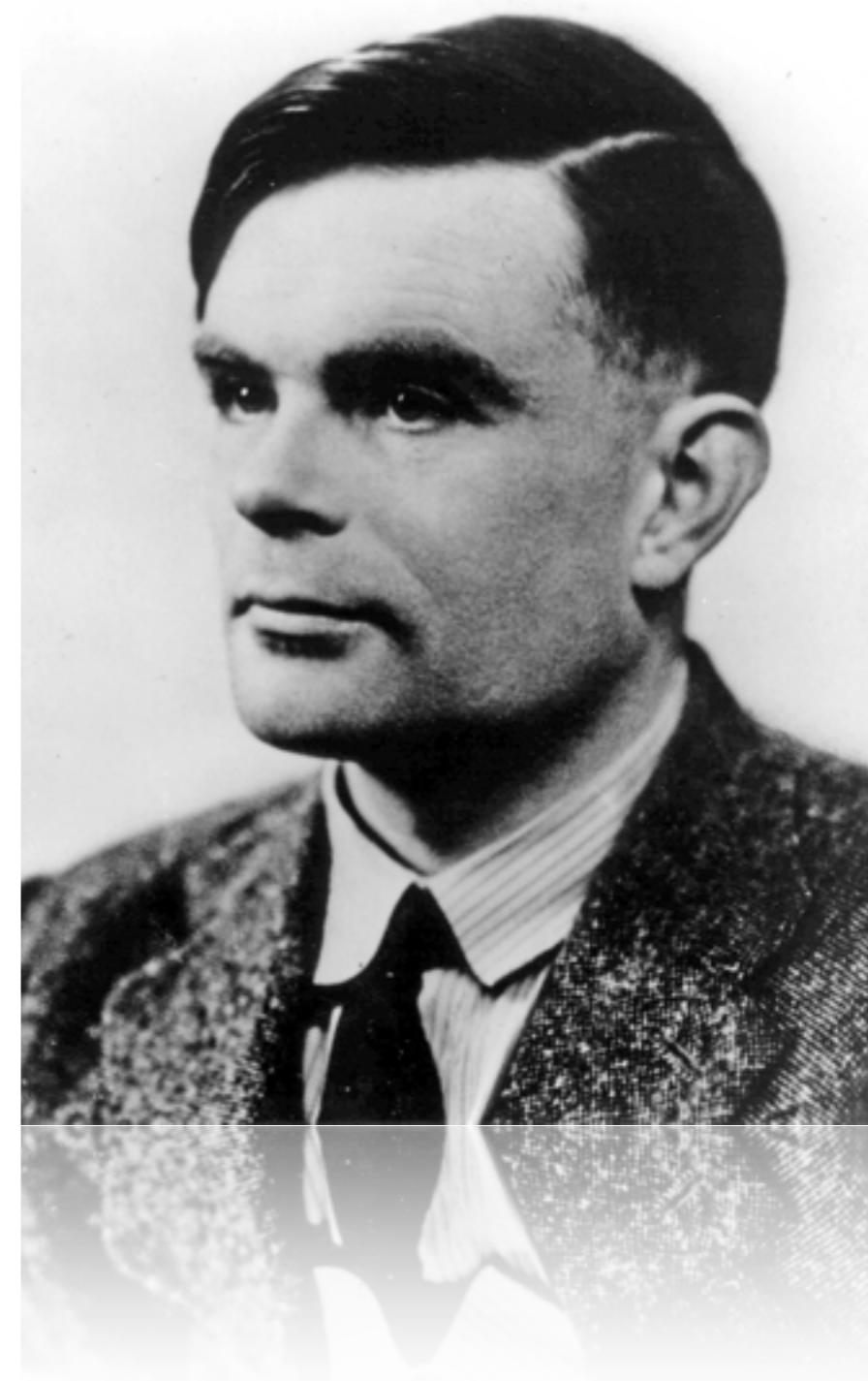


Zuse Z1

1936

On Computable Numbers

Alan Turing





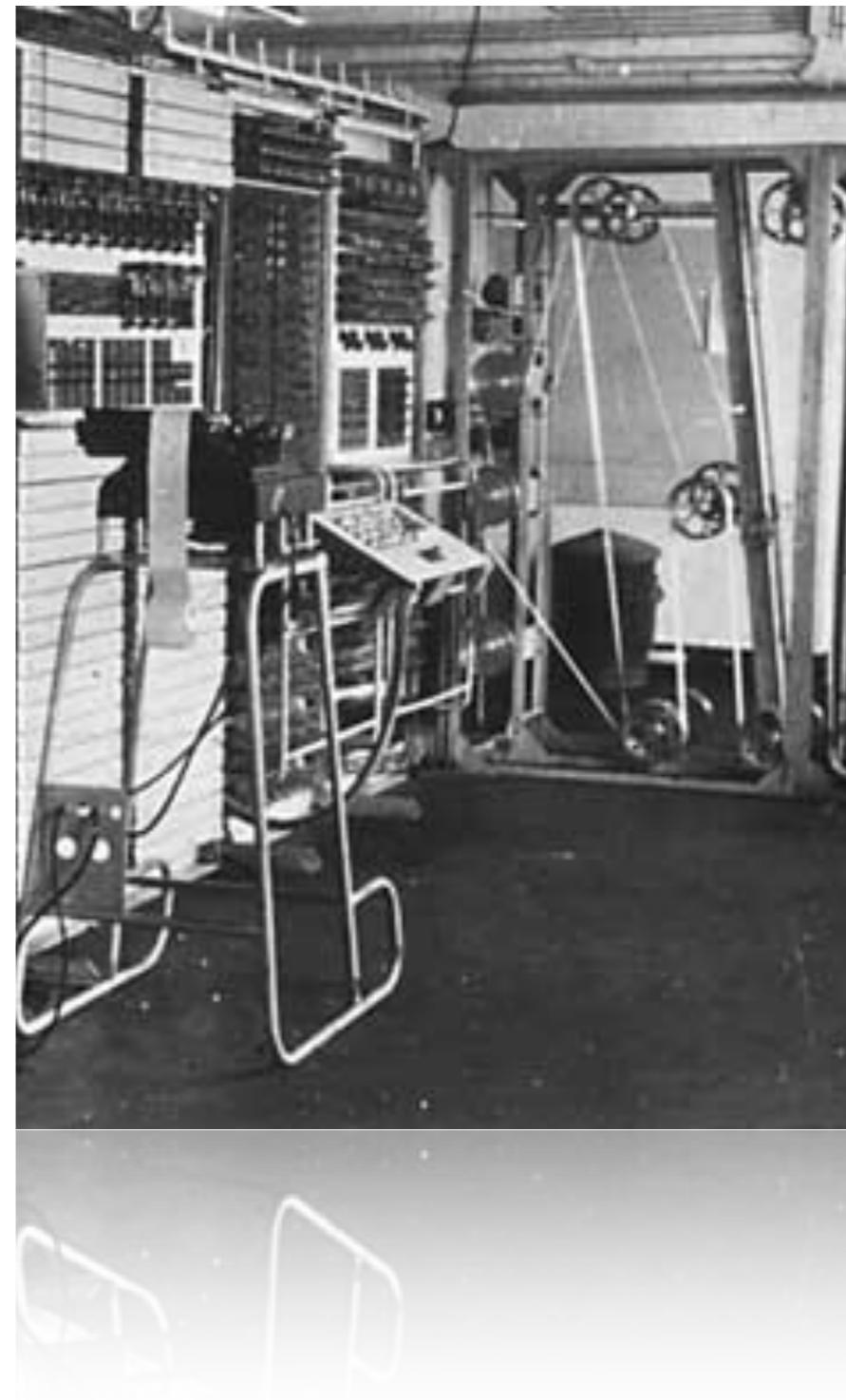
| 1939

Hewlett Packard
founded in Palo Alto, CA

1943

Colossus

Alan Turing





1947

The First Transistor

1954

Fortran is born

Specifications for the IBM Mathematical Formula Translating System, FORTRAN

```

program mcint
write(*,1)
format(' enter number of sampling points to be')
read(*,*)n
write(*,2)
format(' enter random seed')
read(*,*)idum
sum=0.0
sum2=0.0
do 10 i=1,n
    x=10.0*rand(idum)
    y=10.0*rand(idum)
    z=10.0*rand(idum)
    fx=x**2*exp(-x)
    fy=y**2*exp(-y)
    fz=z**2*exp(-z)
    fun=fx*fy*fz
    sum=sum+fun
10   sum2 =sum2+fun*fun
value=1000.0*sum/n
unc=1000.0*sqrt(((sum2/n)-(sum/n)**2)/n)
write(*,11) value, unc
11 format(' Integral value:',f10.5,' +/- ',f10.5)
stop
end
function rand(ix)
integer a,p,ix,b15,b16,xhi,xalo,leftlo,fhi,k
data a/16807/,b15/32768/,b16/65536/,p/214748364
xhi=ix/b16
xalo=(ix-xhi*b16)*a
leftlo=xalo/b16
fhi=xhi*a+leftlo
k=fhi/b15
ix=((xalo-leftlo*b16)-p)+(fhi-k*b15)*b16+k
if(ix.lt.0)ix=ix+p
rand=float(ix)*4.656612875e-10
return
end

end
return
END=1.000000000000000E-10
T=1.000000000000000E+00
T0=(1.000000000000000E+00-T)/T
T1=T*T0
T2=T1*T0
T3=T2*T0
T4=T3*T0
T5=T4*T0
T6=T5*T0
T7=T6*T0
T8=T7*T0
T9=T8*T0
T10=T9*T0
T11=T10*T0
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T998=T997*T0
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T1000=T999*T0

```

1960

SOFTWARE

becomes a word that is widely accepted

1962

IBM 1440 Series

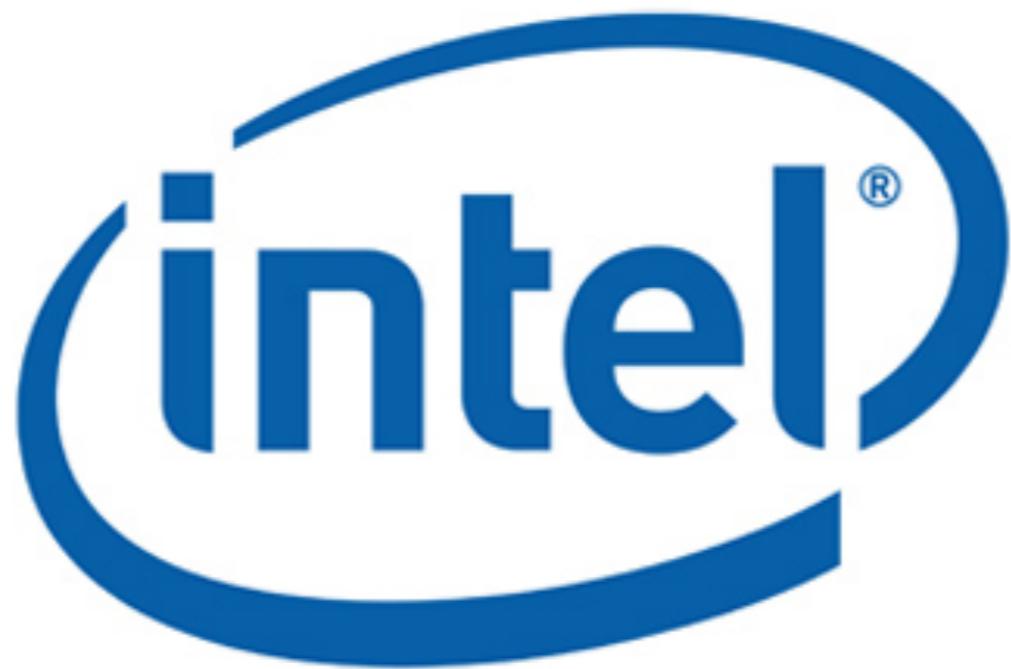
First Disk Storage





| 1965

First program in BASIC runs

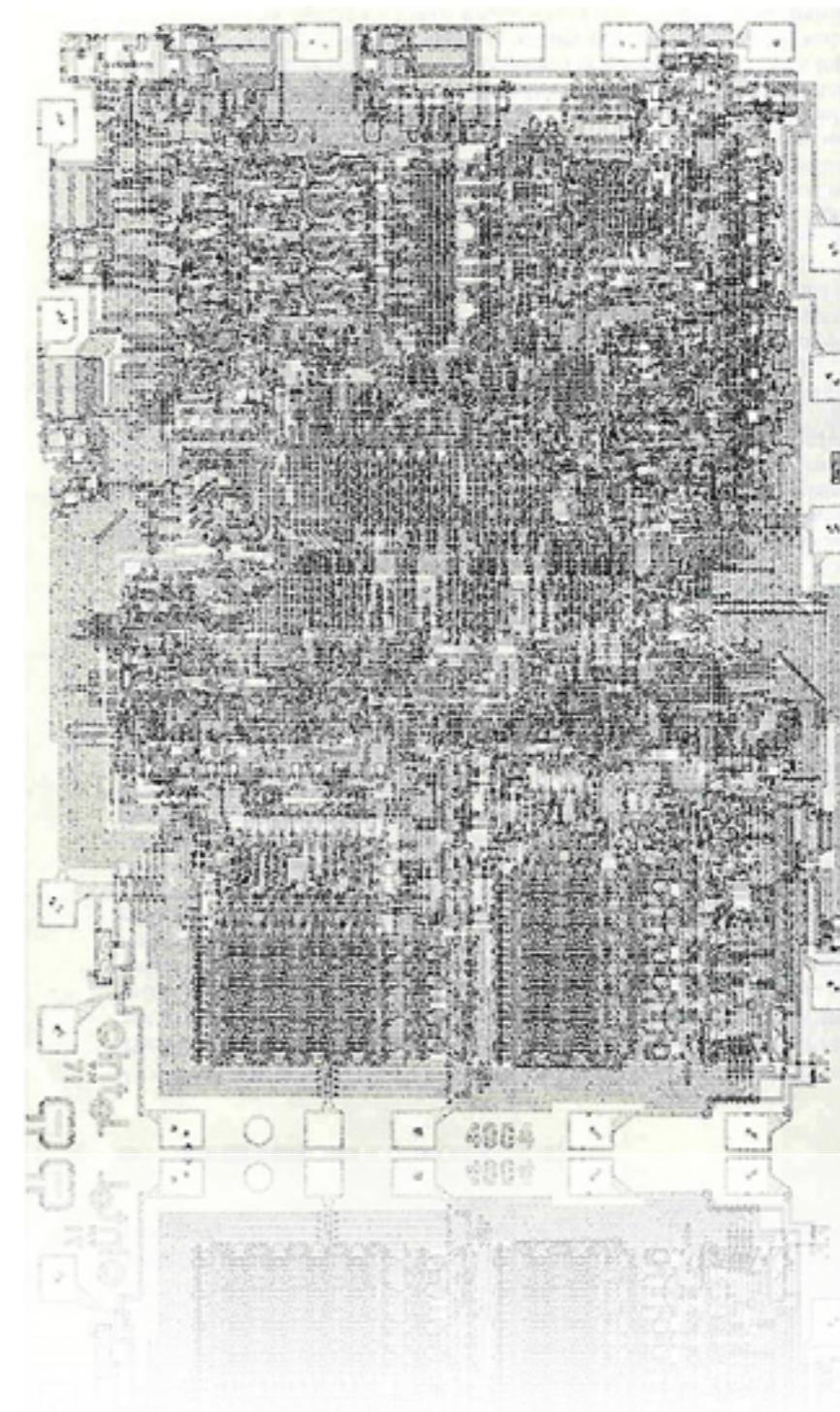


| 1968 Intel is born

1969

The First Micro Computer

M.E. Hoff, Jr.

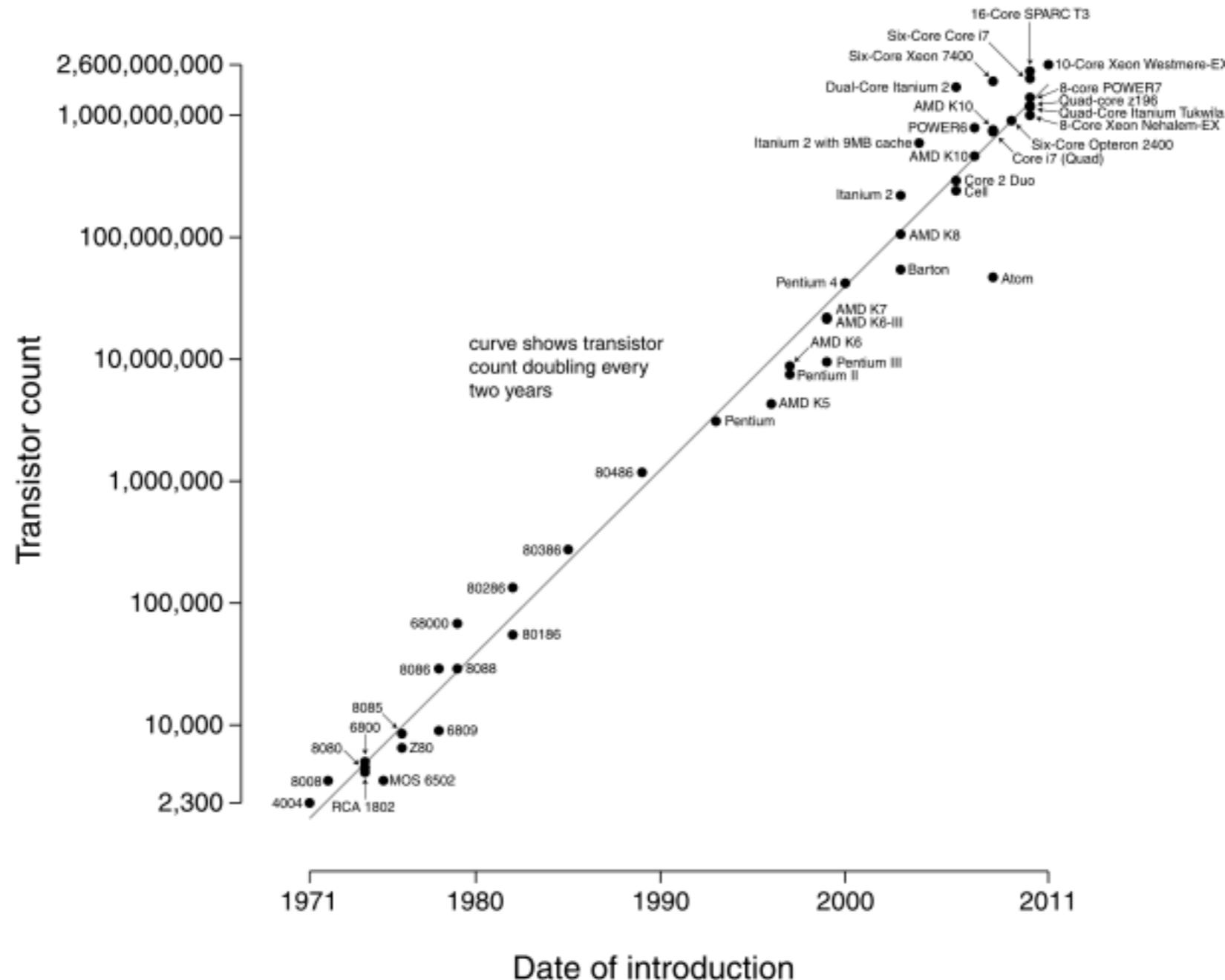


1969

UNIX

is created

Microprocessor Transistor Counts 1971-2011 & Moore's Law



1970 Moore's Law

1973

C Language

Created between '69 and '73

Unix was ported to a C base



PRENTICE HALL SOFTWARE SERIES

DENNIS M. RITCHIE
BRIAN W. KERNIGHAN

1974

Build the Mark-8

Radio Electronics lists how to
build your own computer





1975

First widely available personal
computer



1975

Gates/Allen adapt BASIC to a
personal computer

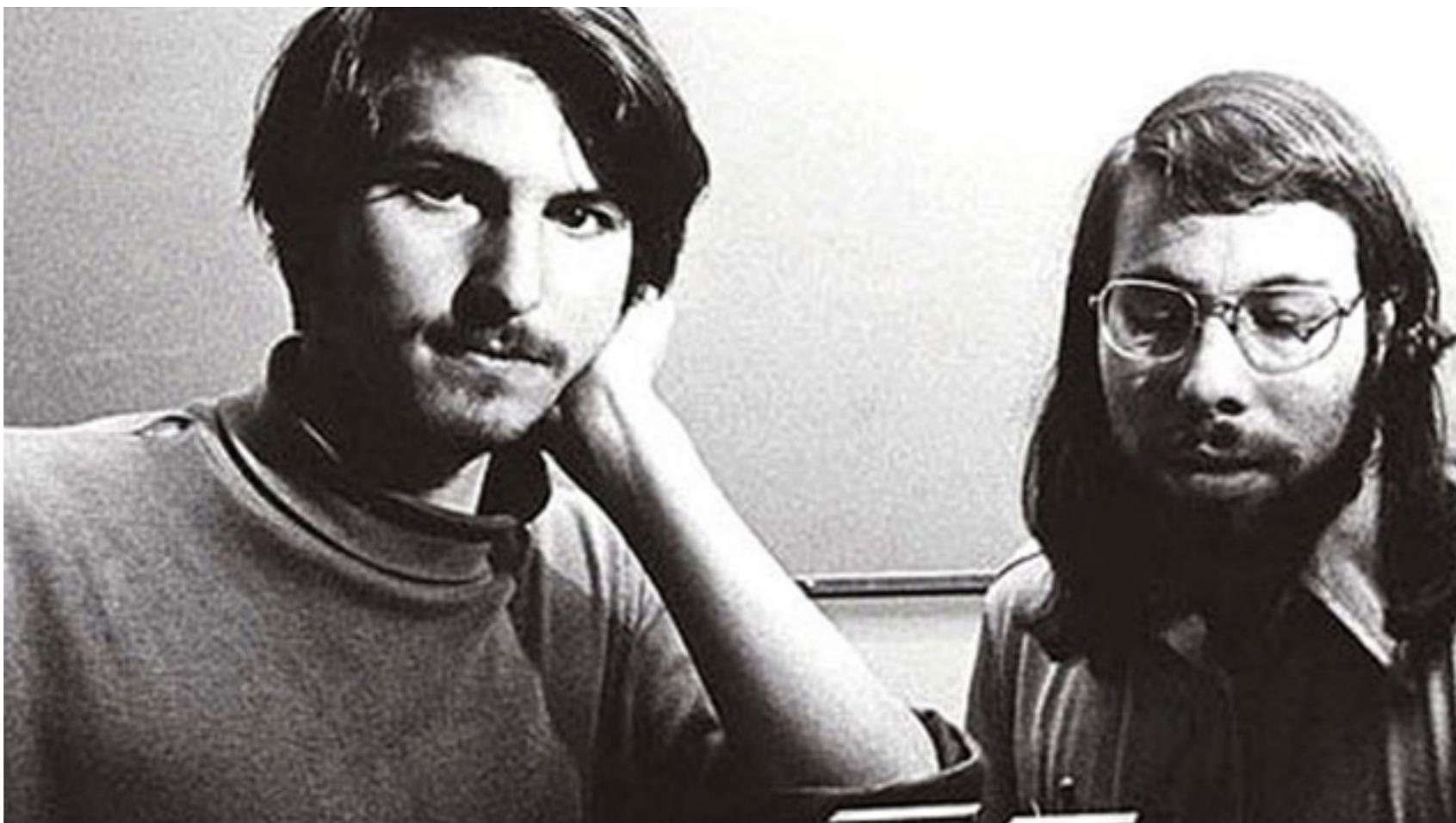




1975

Steve Jobs and Steve Wozniak
launch the Apple I





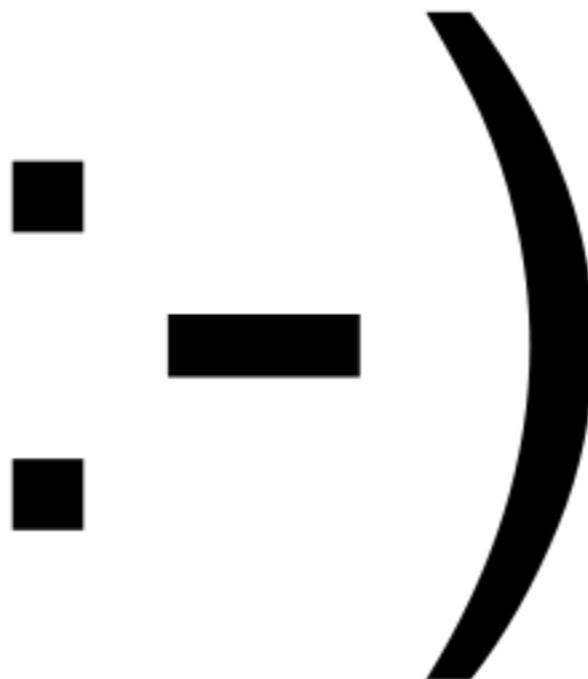


| 98 |

MS-DOS is launched

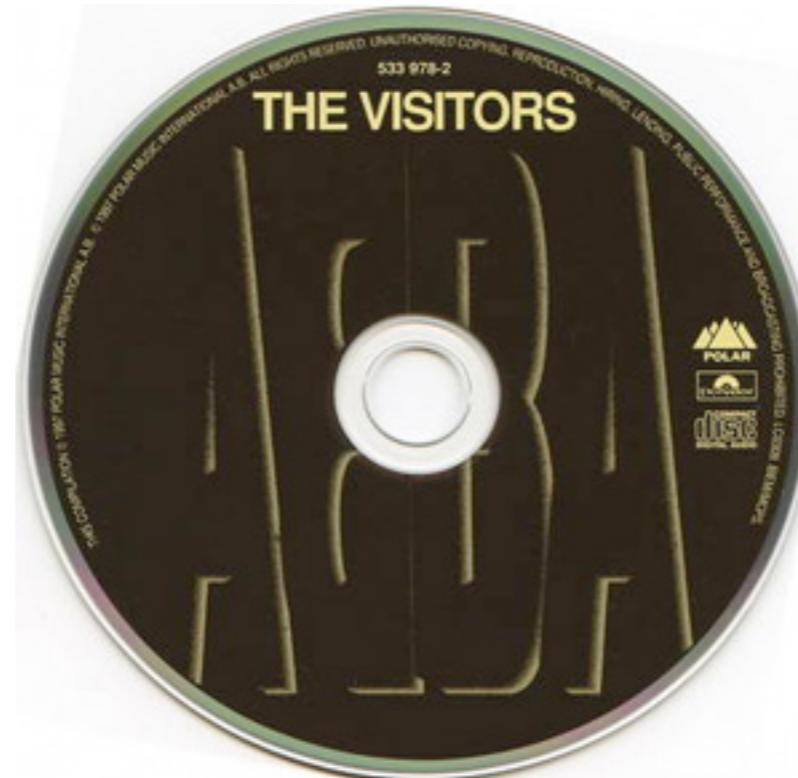
| 1982

Scott Fahlman proposes the
use of emoticons



| 982

The First CD is made



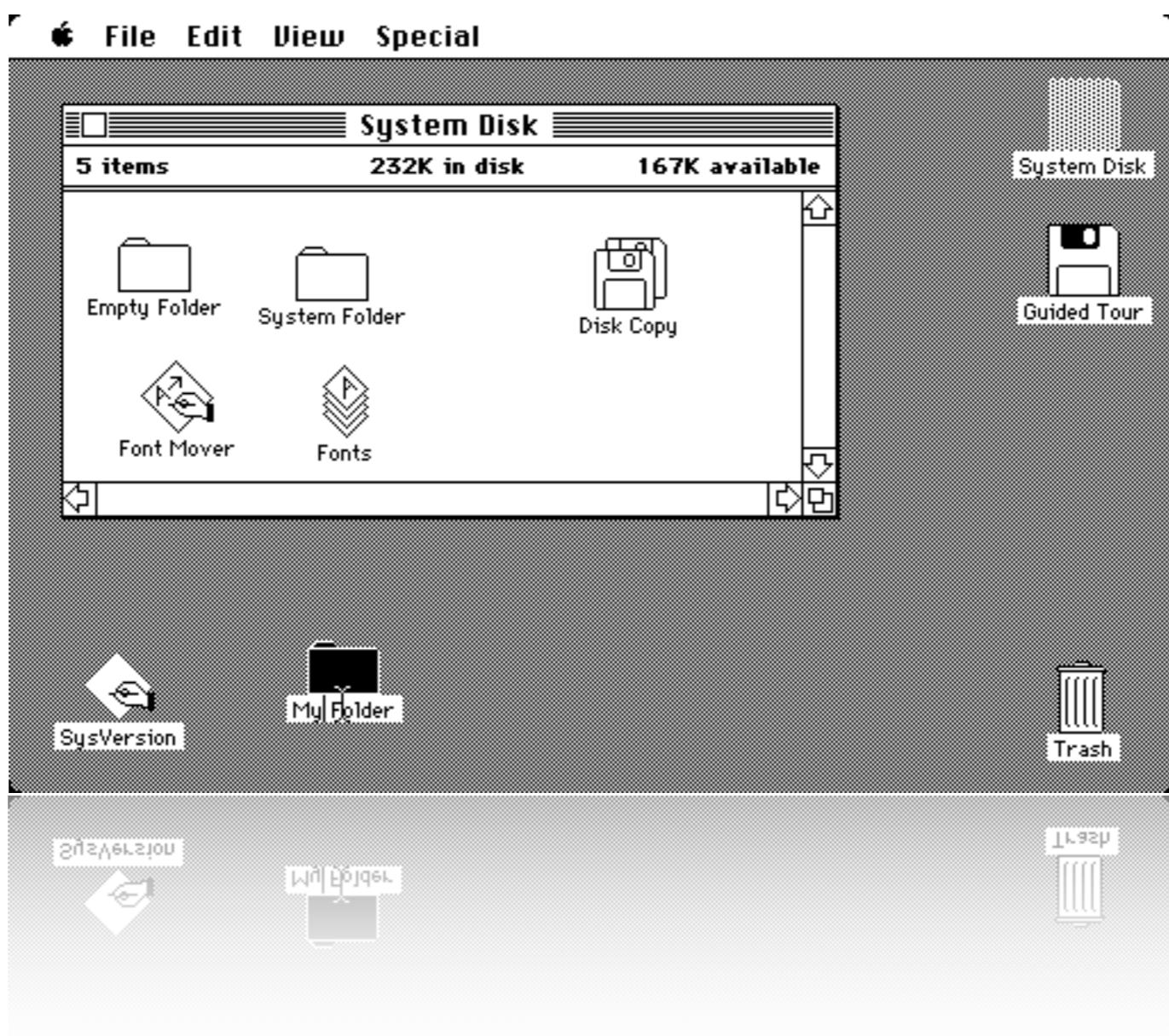
1984

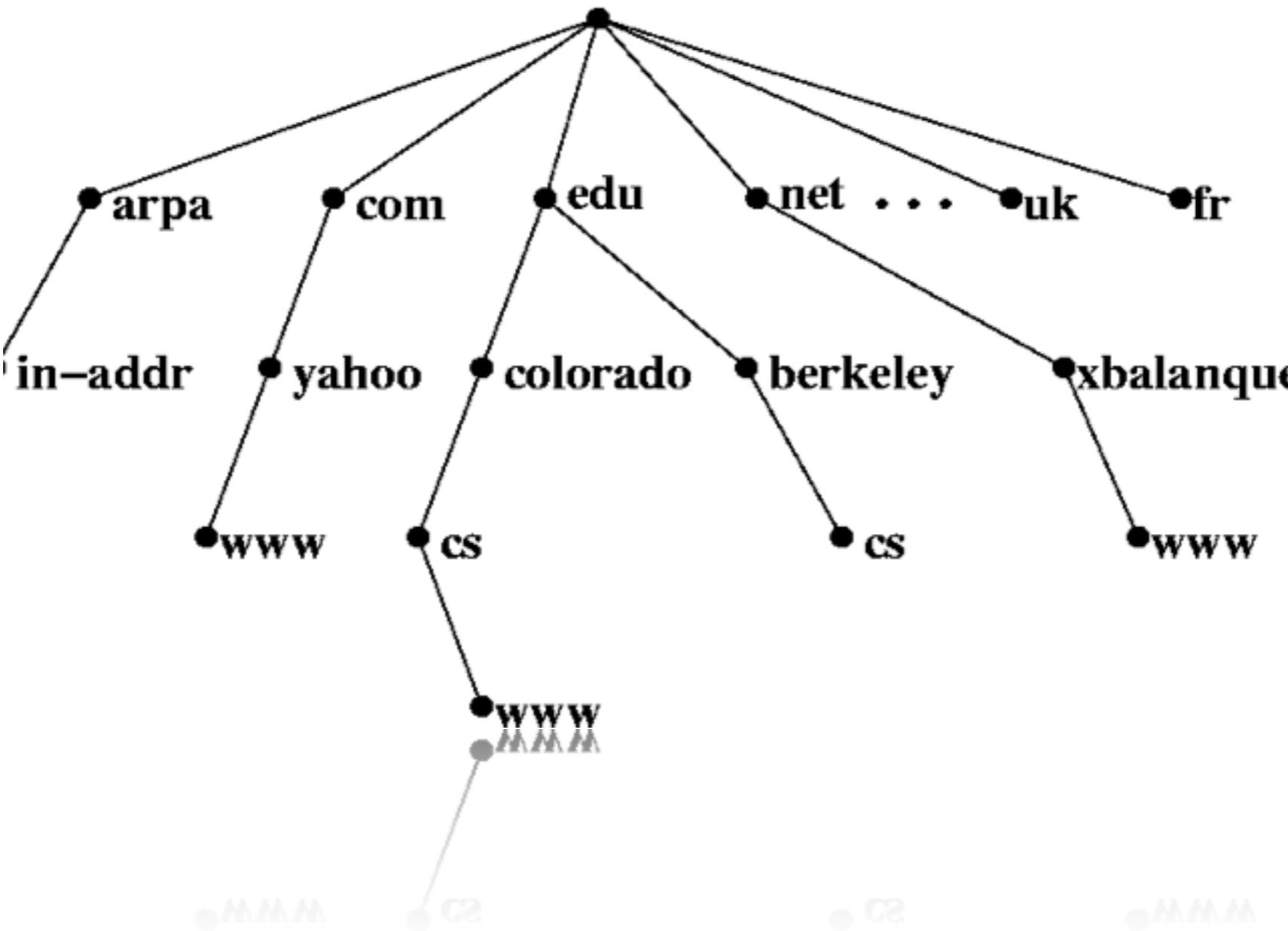
Macintosh

Created between '69 and '73

Unix was ported to a C base

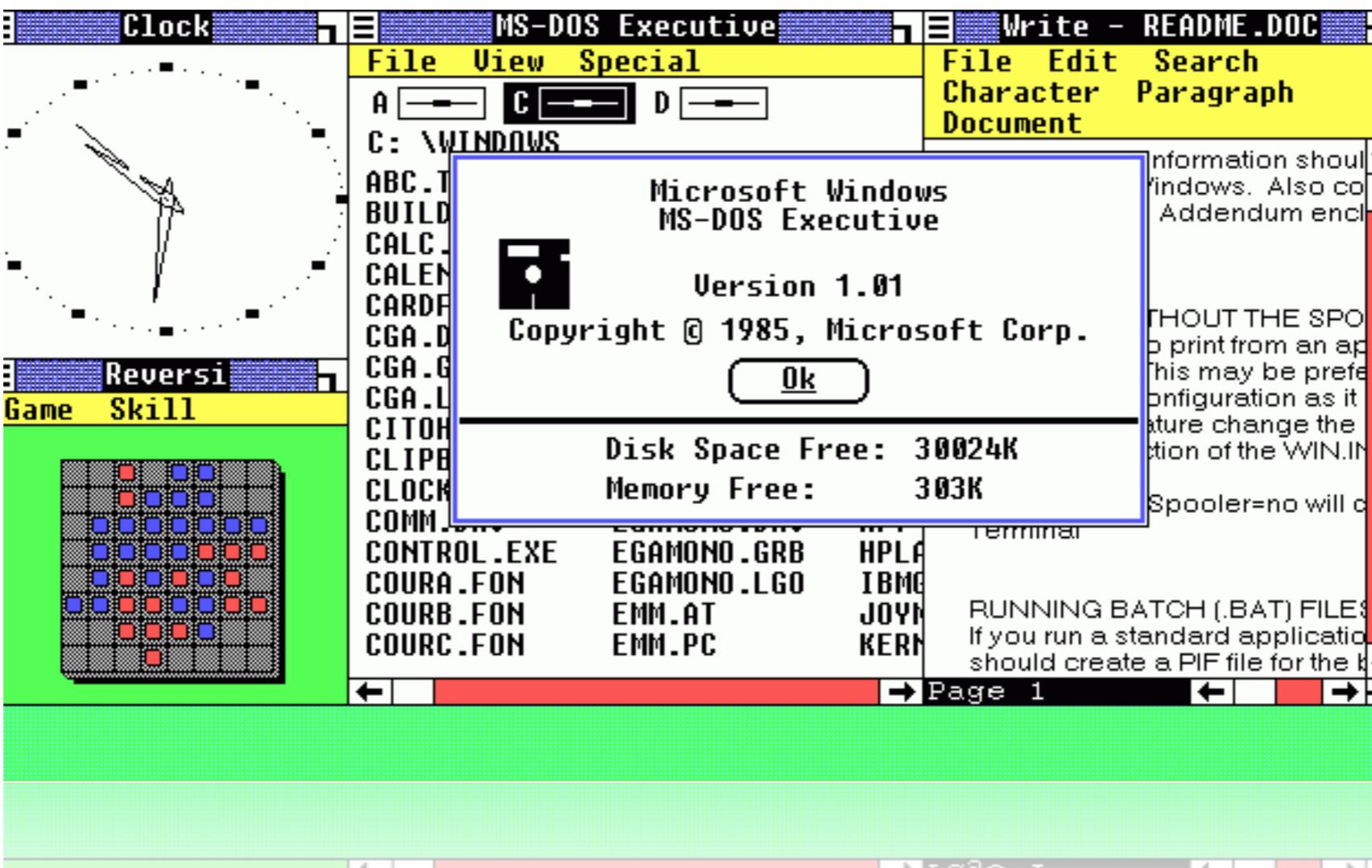






| 1985

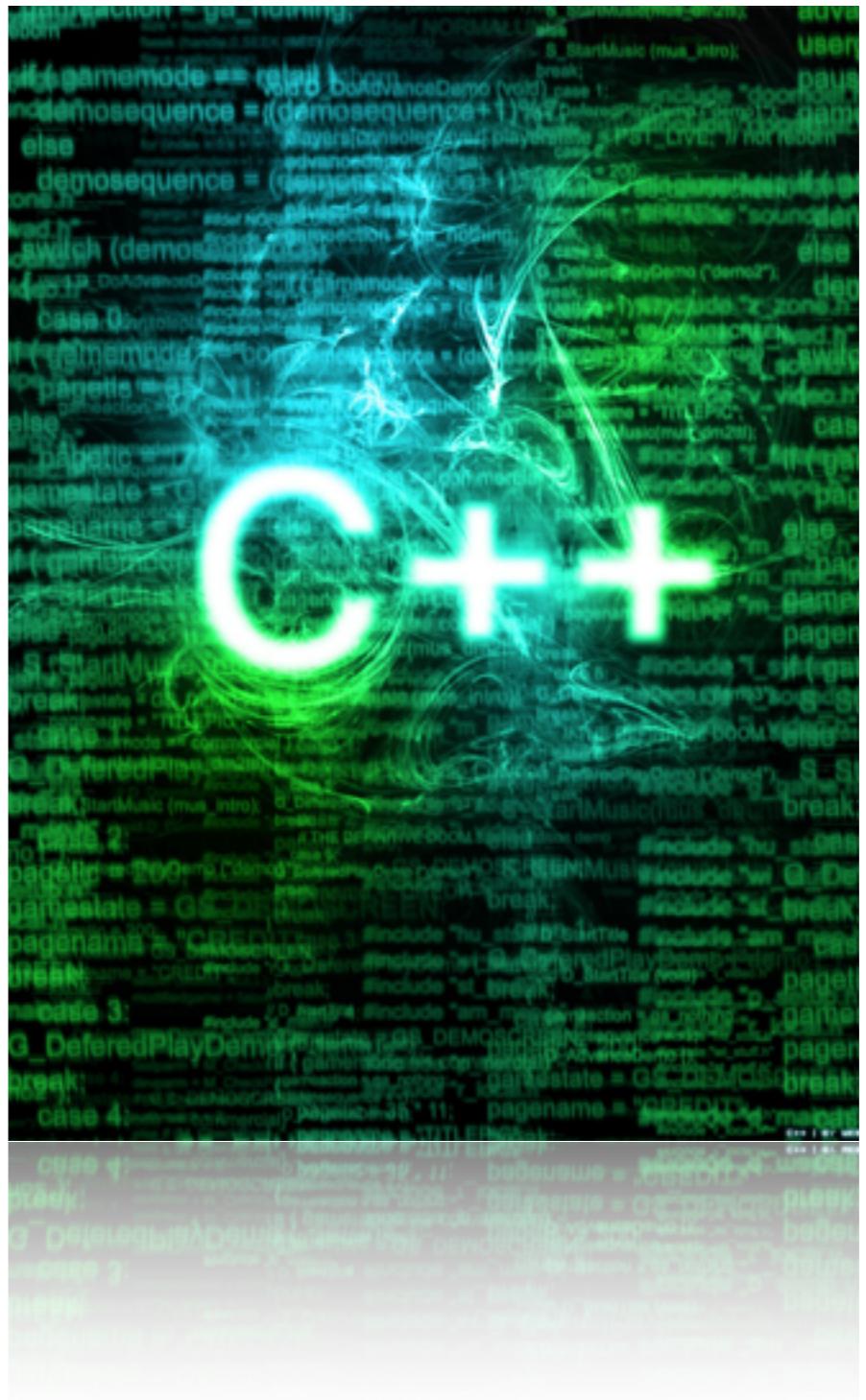
The Domain Naming System
was implemented



1985 Windows 1.0 is released

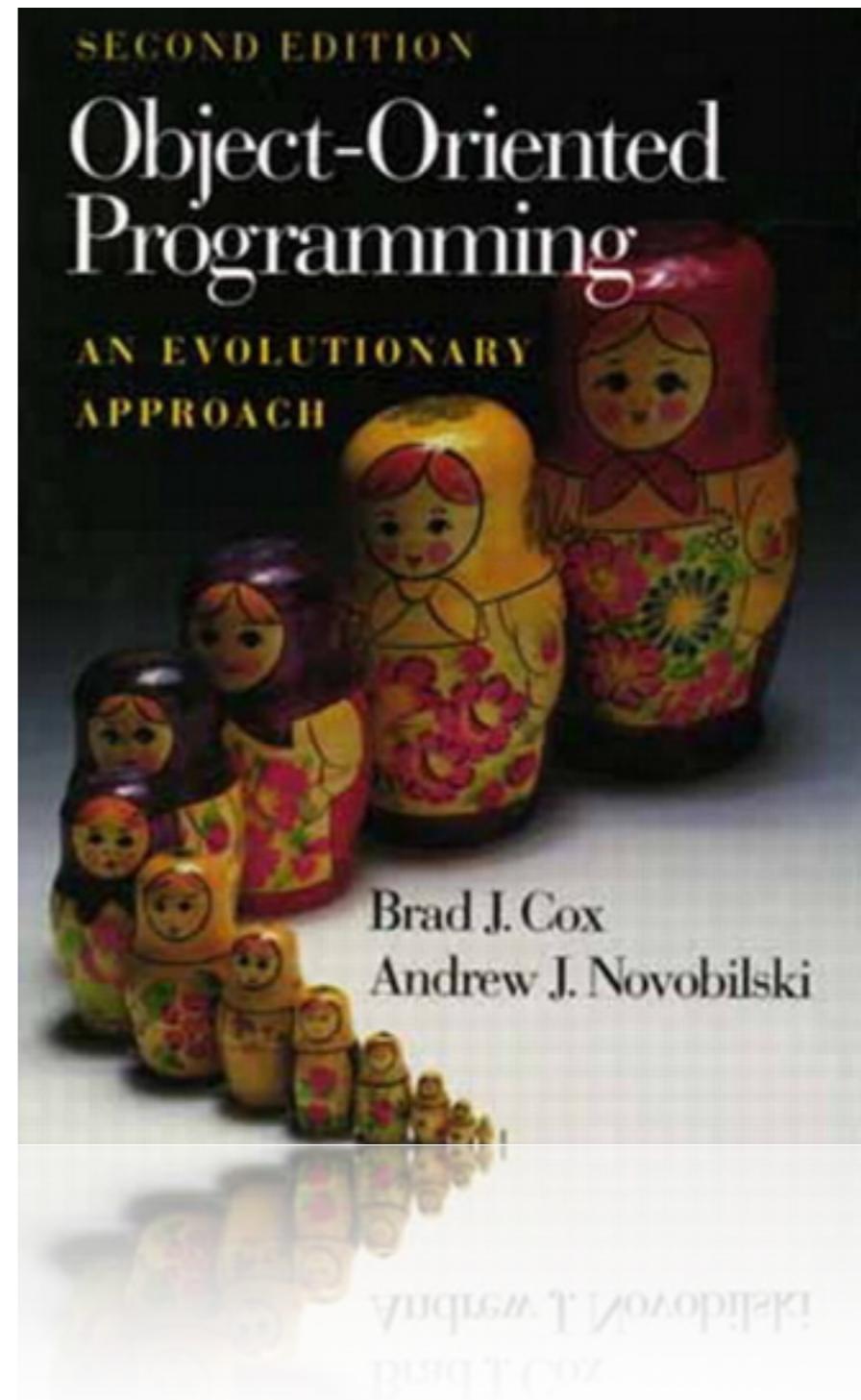
I 985

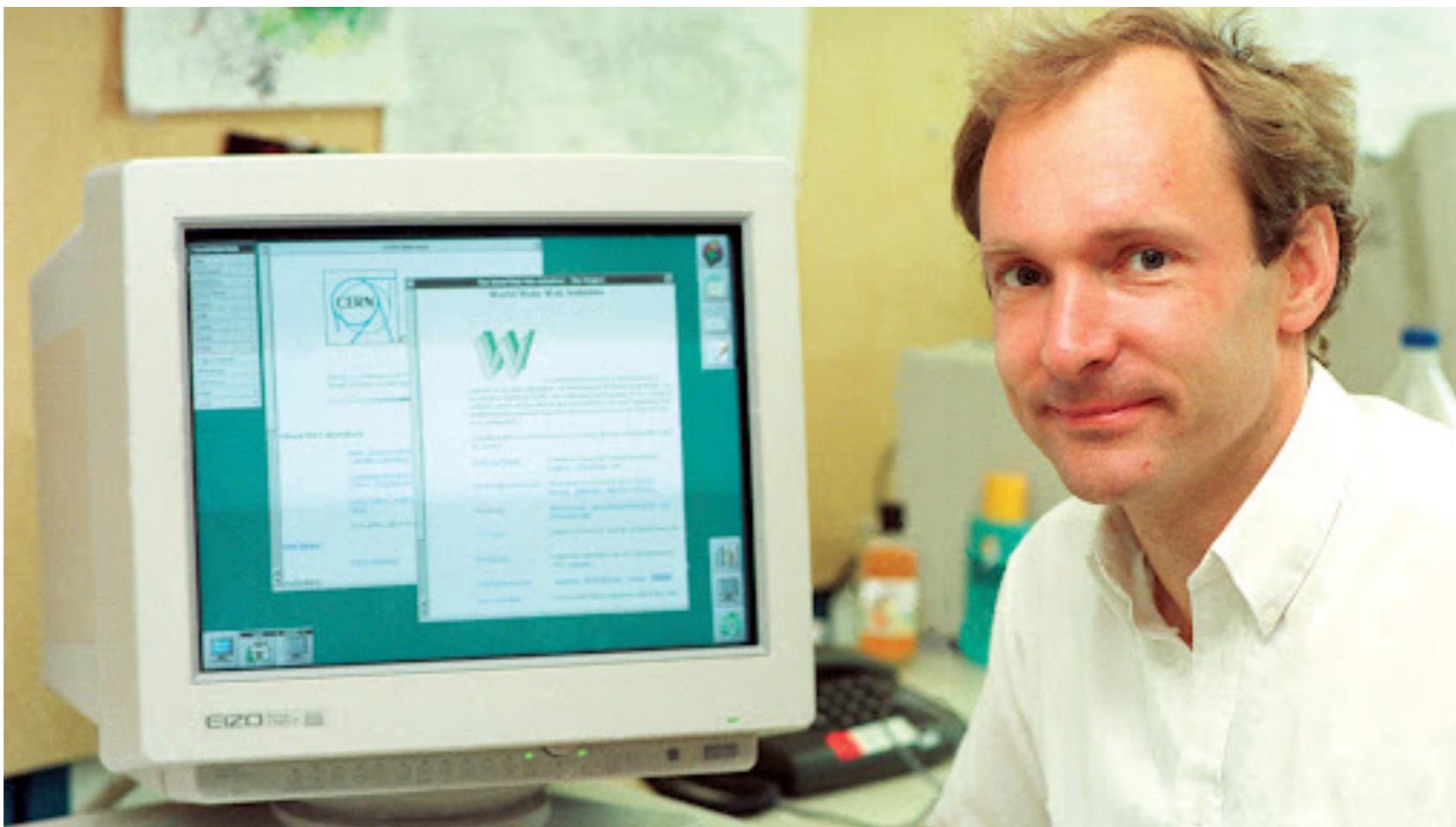
C++ made Commerical



1986

Objective-C released





1989

Work on the World Wide
Web starts



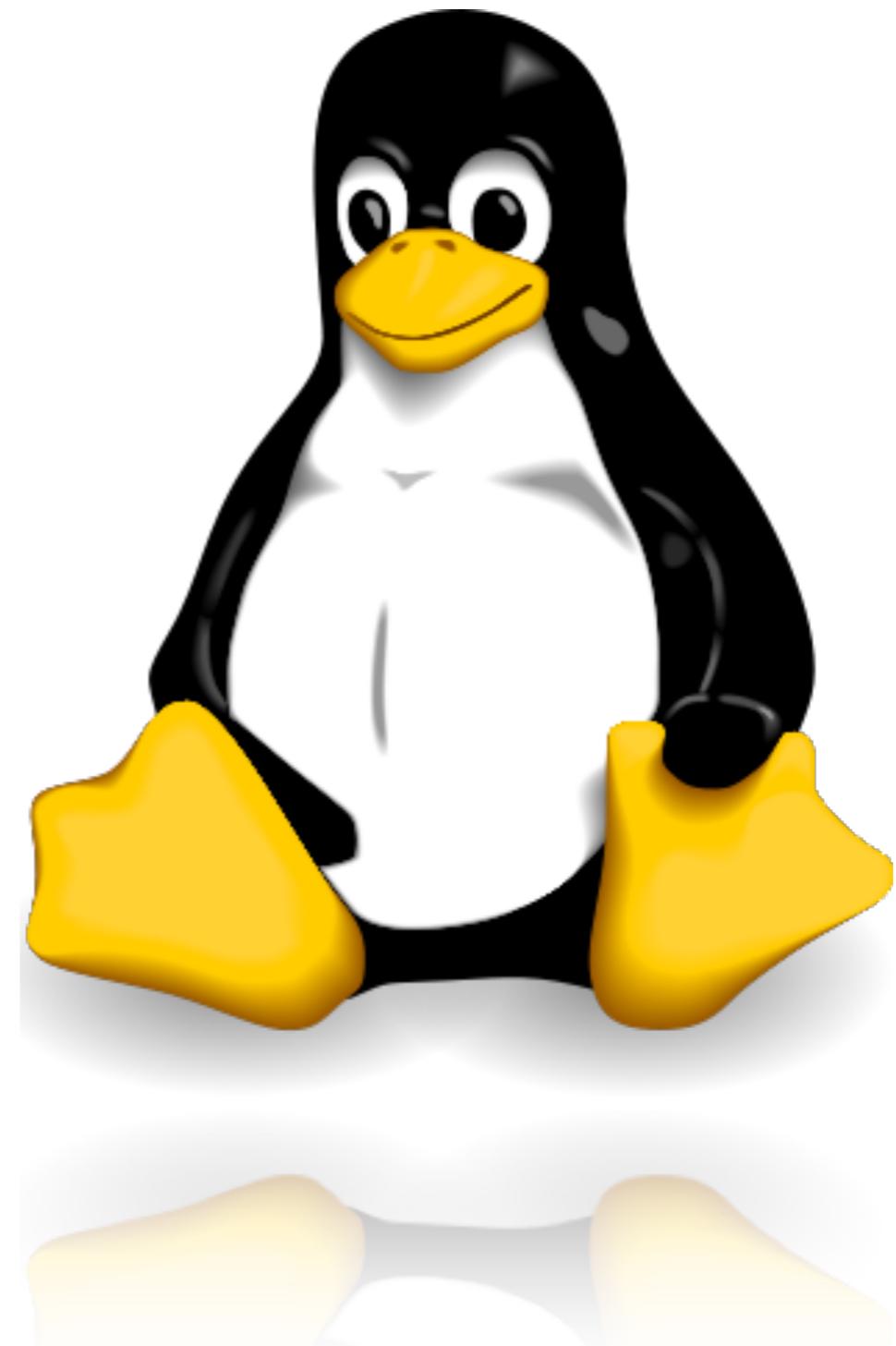
| 1989

Python Programming
Language launched

| 99 |

Linux Kernel

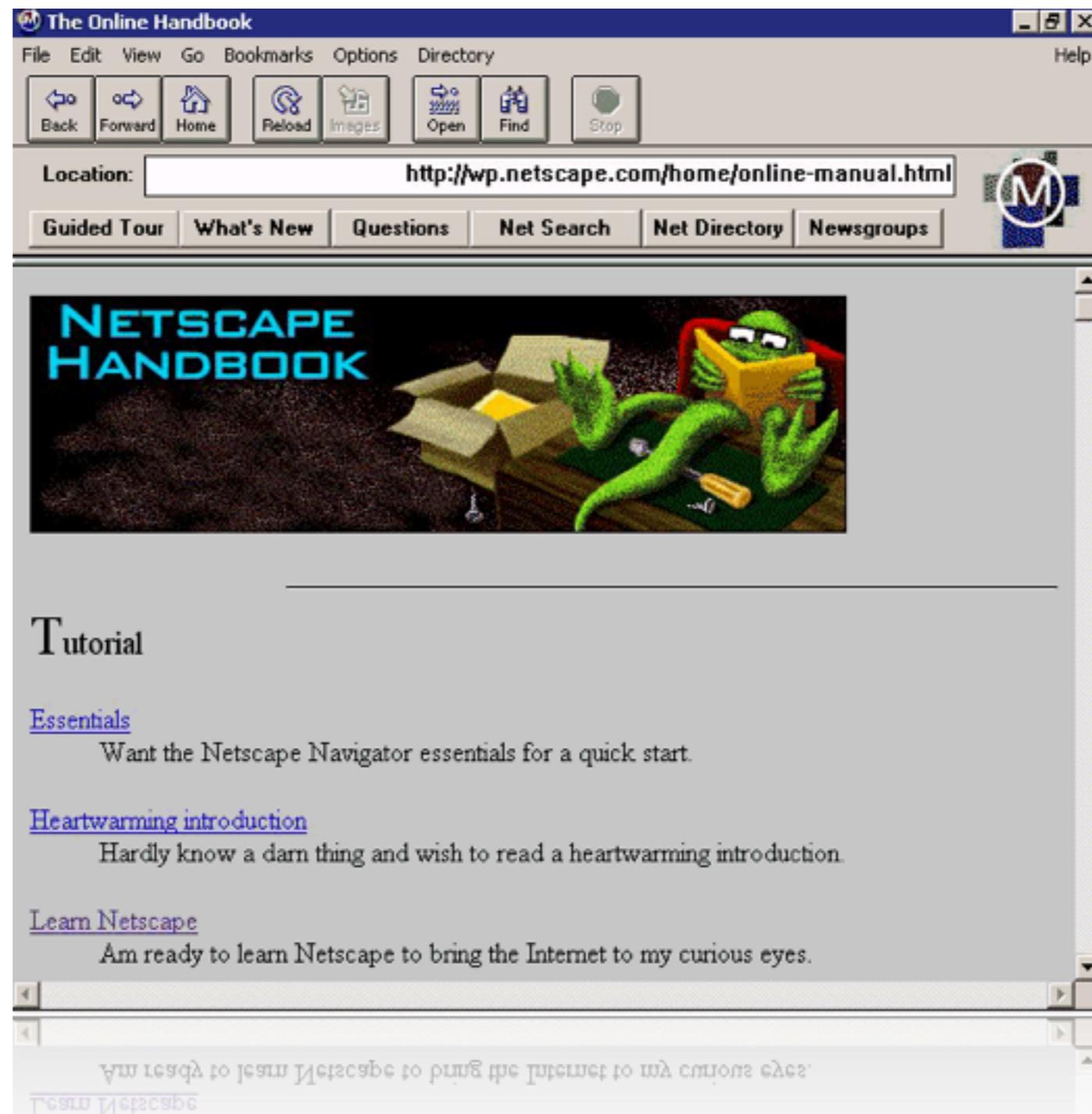
*"Hello everybody out there using minix- I'm doing a (free) operating system
(just a hobby, won't be big and professional like gnu) for 386(486) AT clones."*





| 992

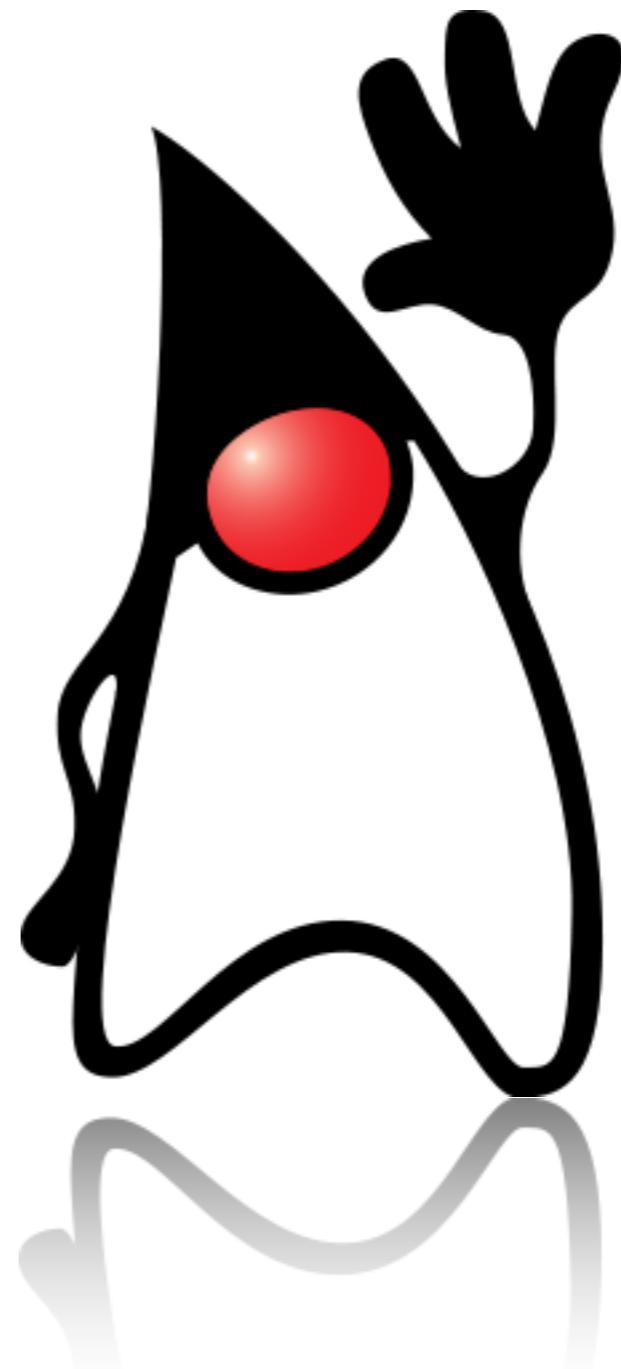
There are only 20 web
servers



1994 Netscape Launched

1995

Java 1.0



1995

Javascript released

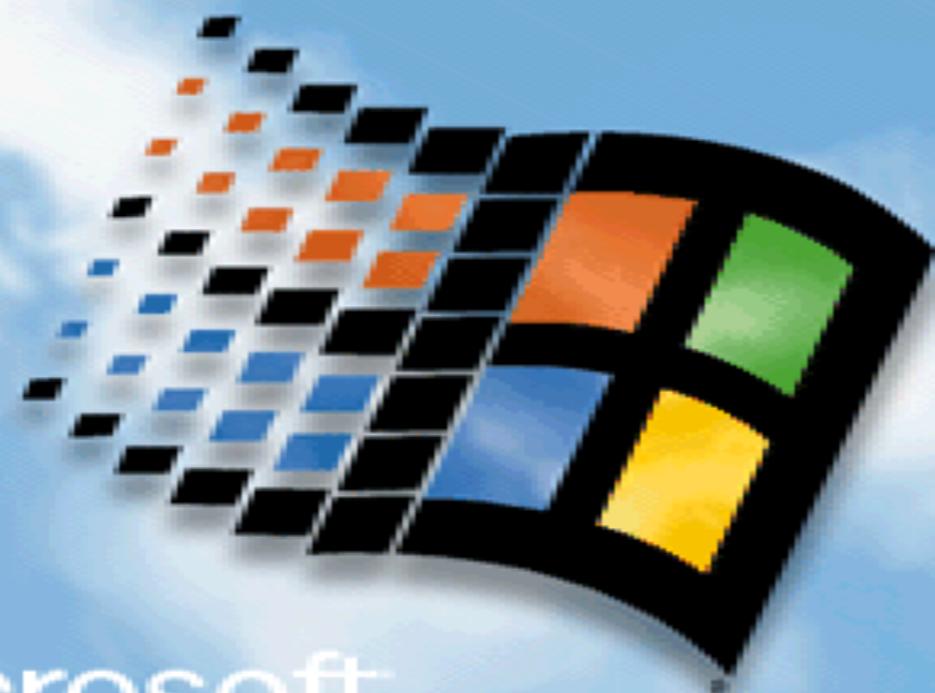


1995

Ruby 0.95



Microsoft



Microsoft
Windows 95

1995 Windows 95

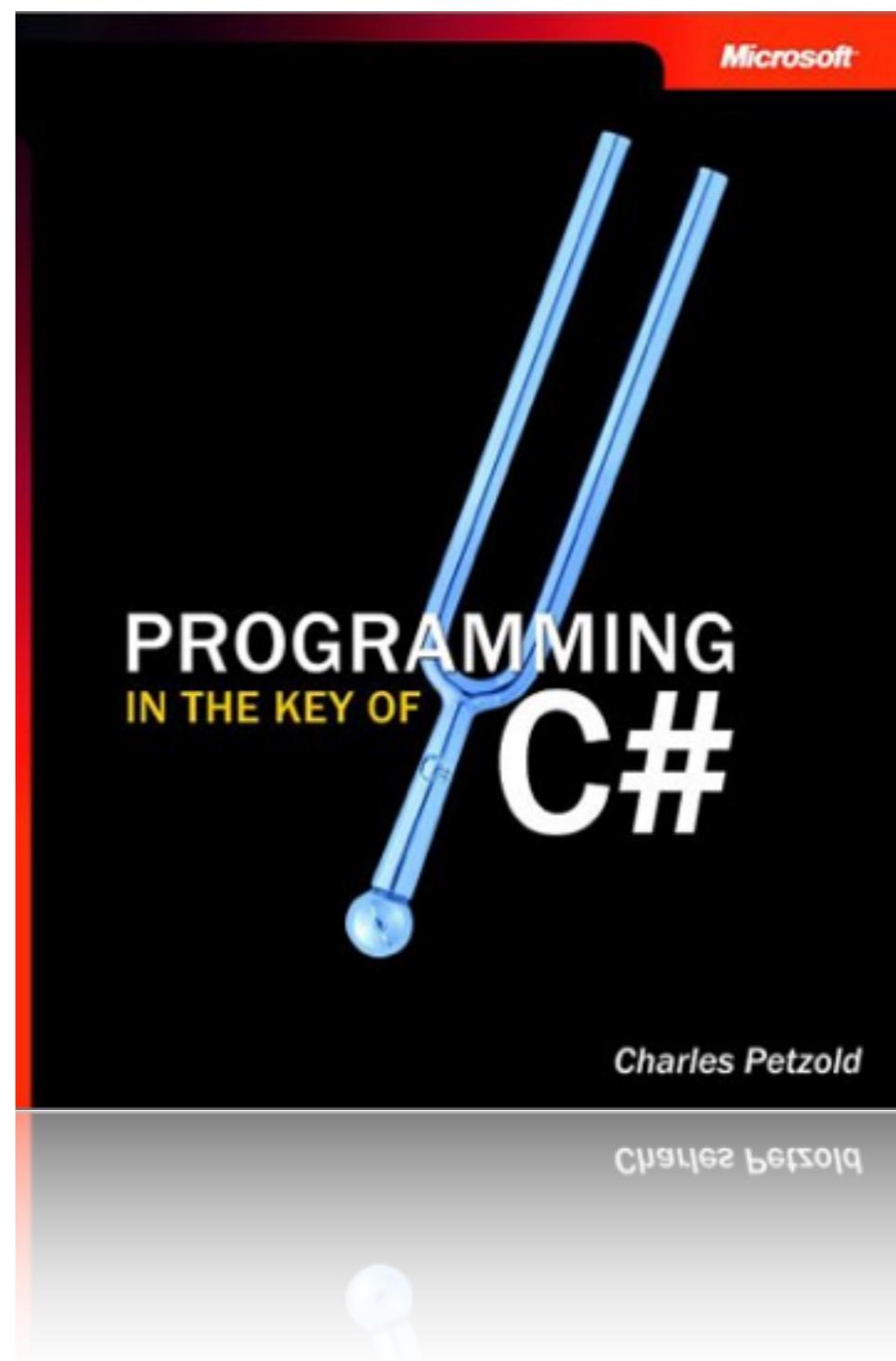


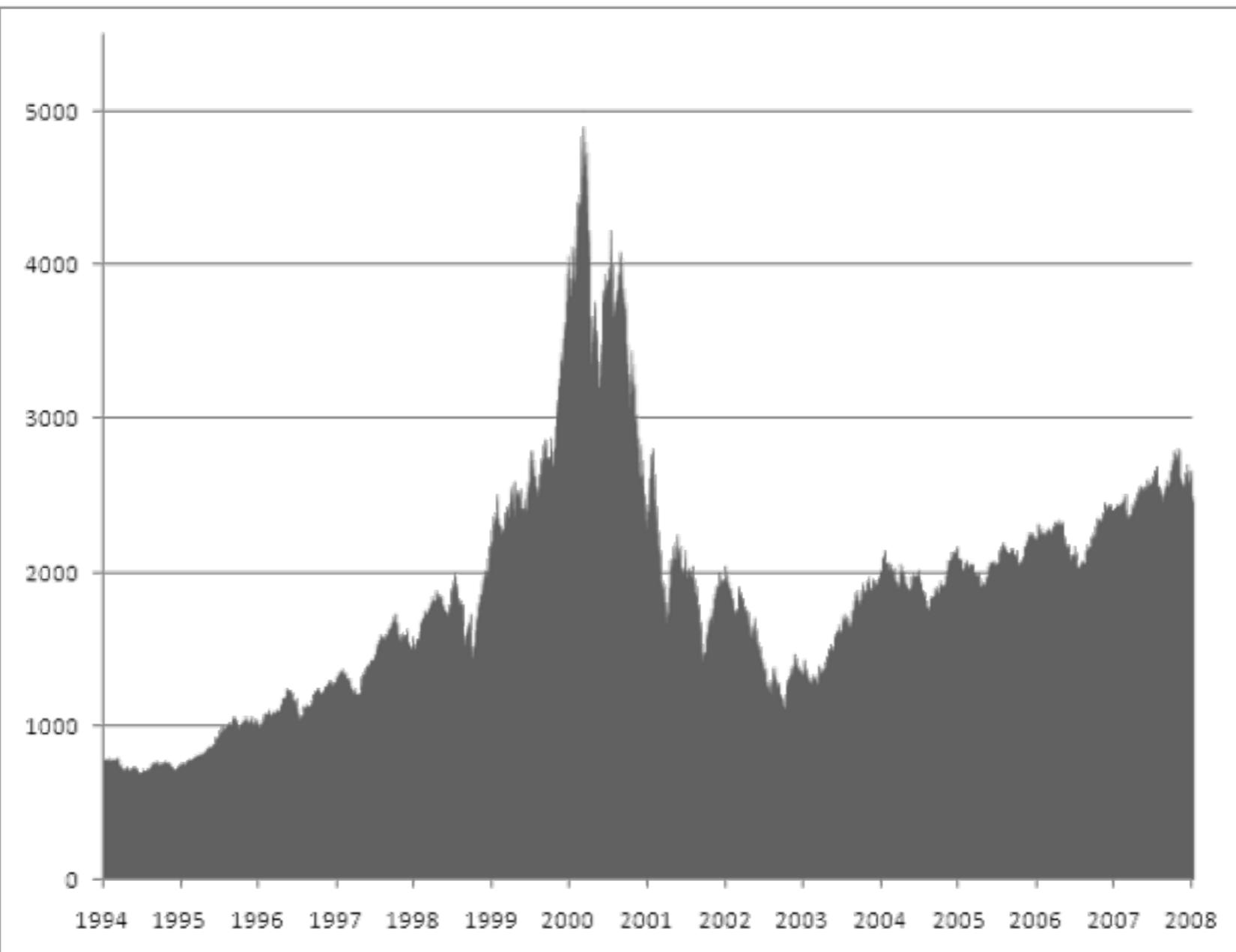
| 1996

Google Launched
(100,000 web sites exist)

2000

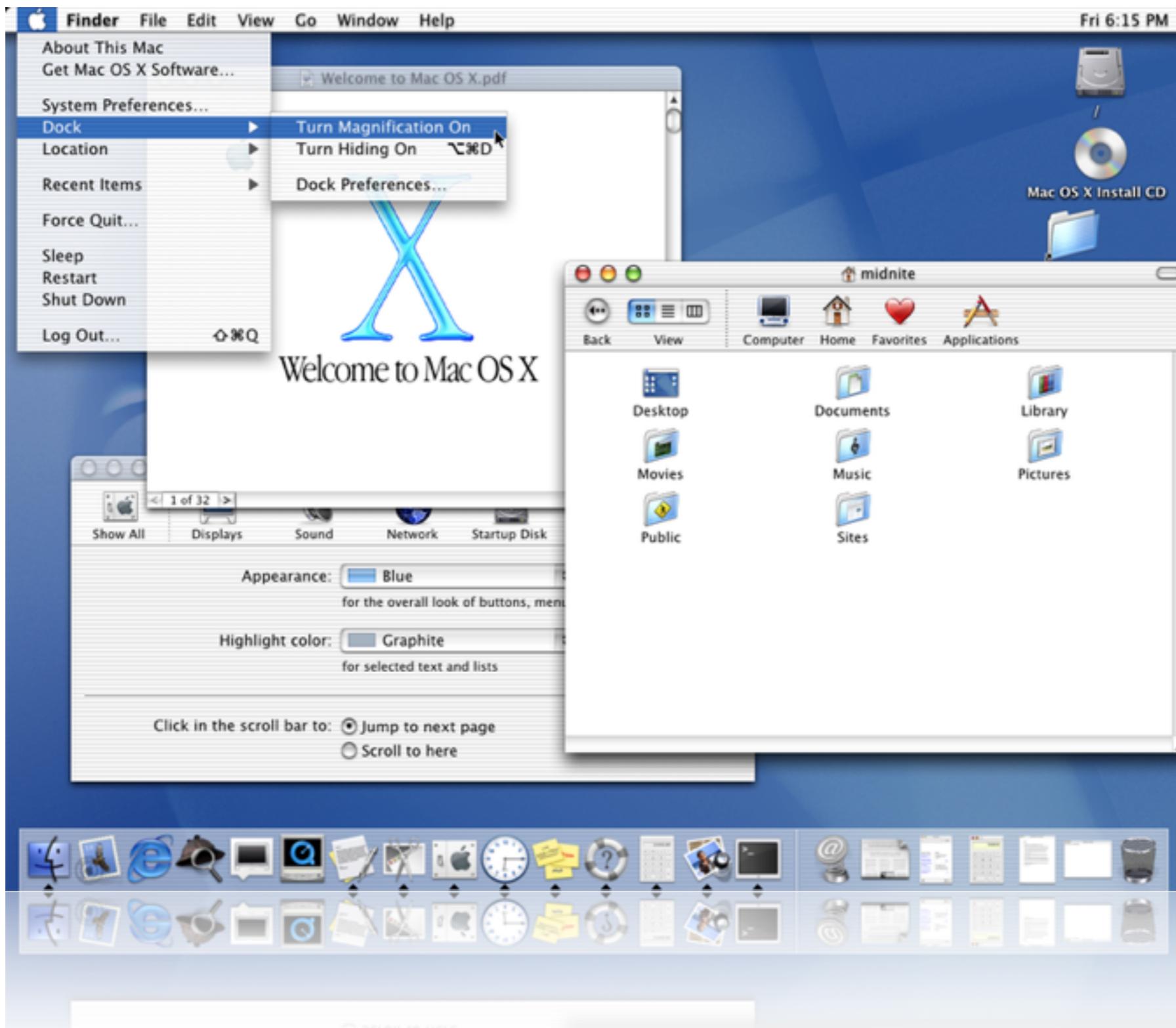
.NET and C#





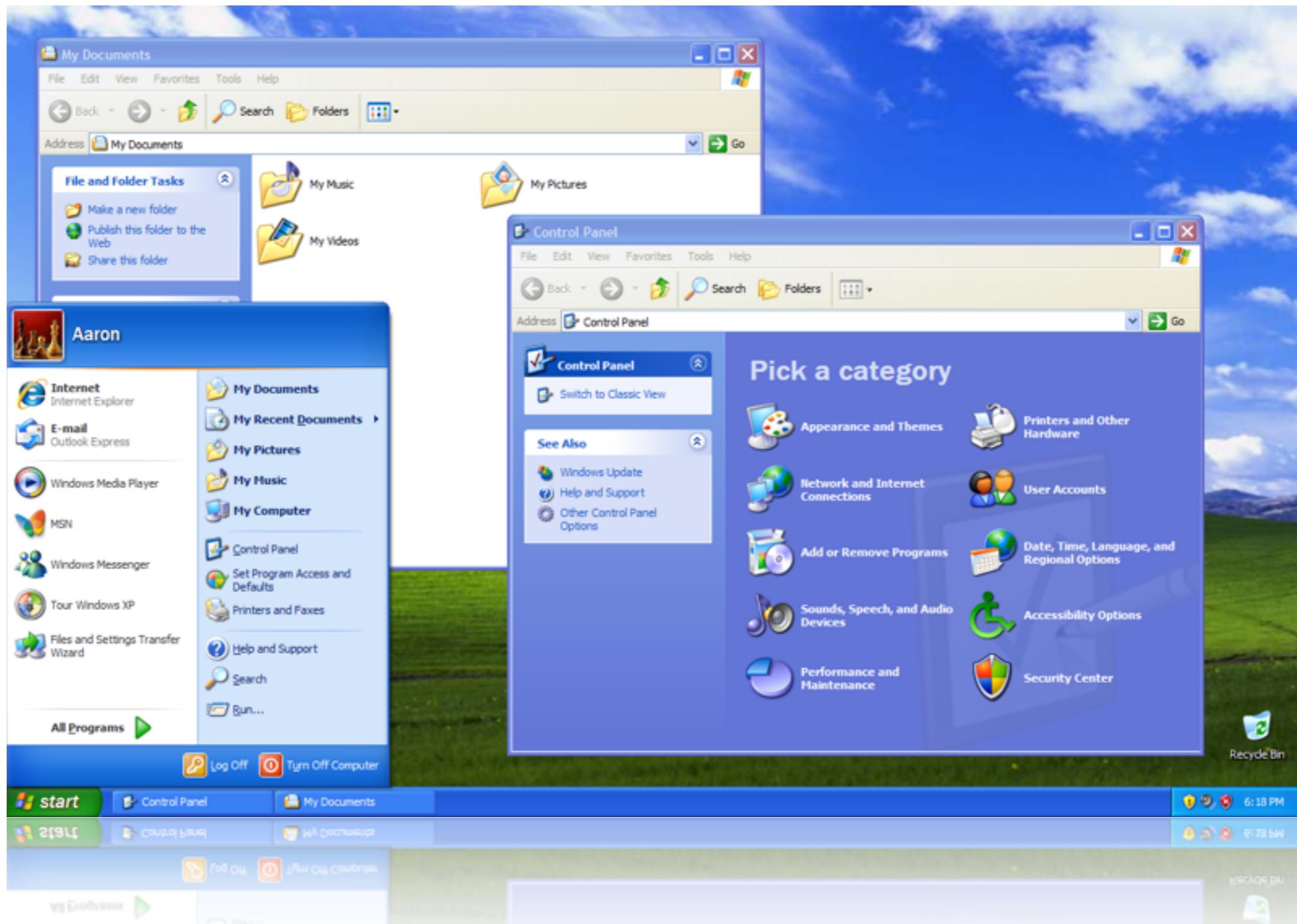
2000

Tech Stock Bubble Bursts



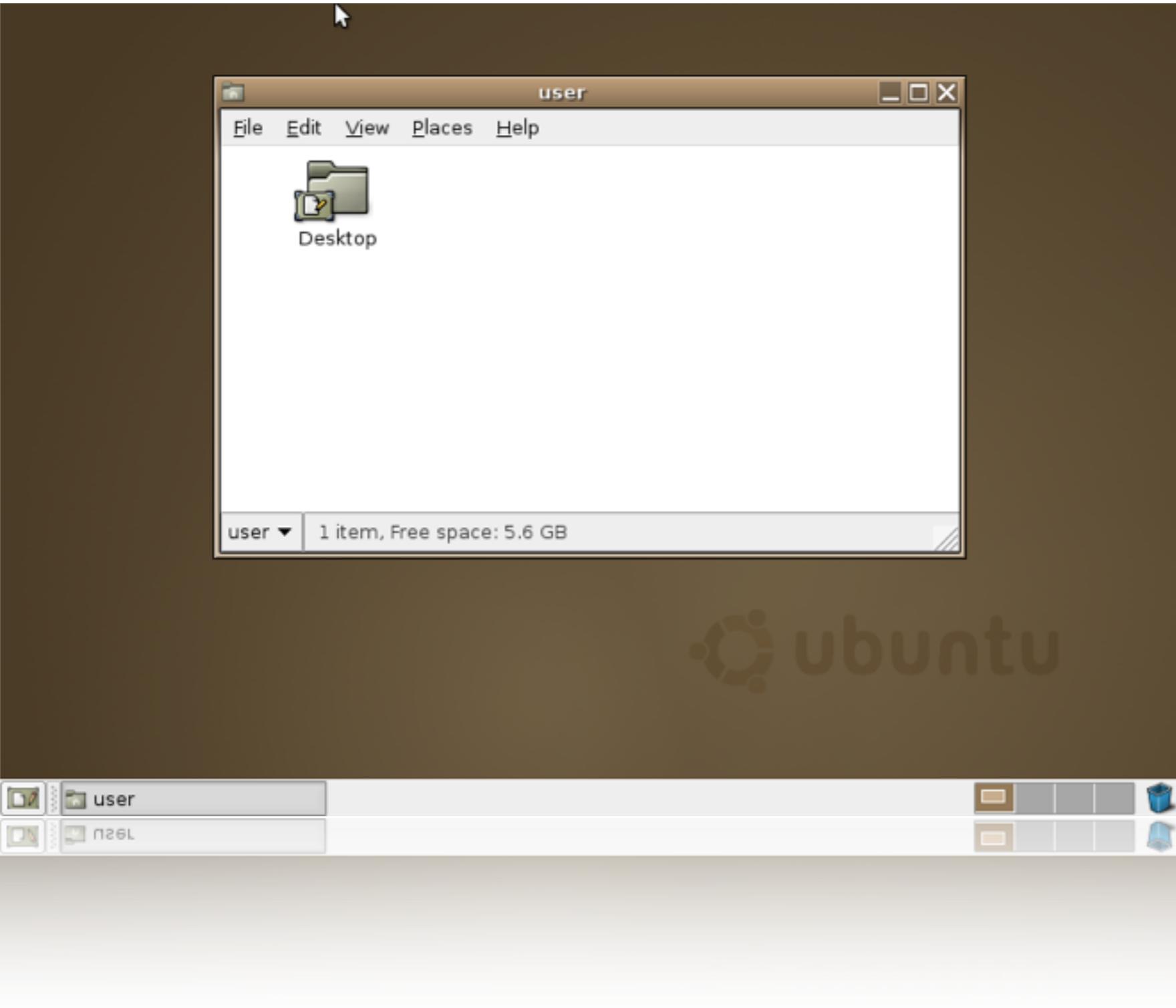
200 |

Apple launch OS/X
with Unix under the hood



200 |

Microsoft Launches XP



2004

Ubuntu Linux released

2003

Android, Inc founded



2005

**Android acquired by
Google**



2005

**Ruby on Rails is open
sourced**



Ruby

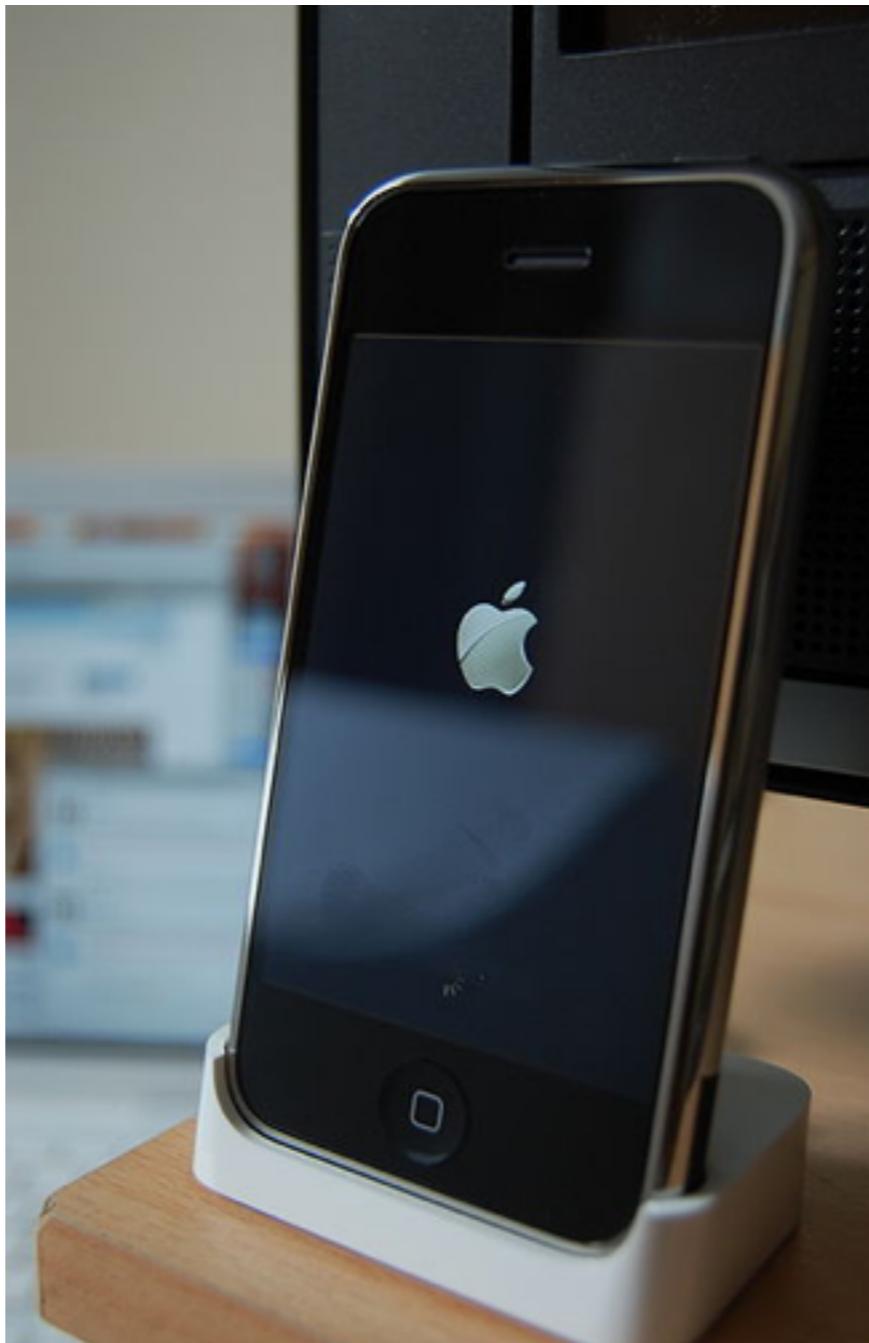


2006

Amazon Web Services EC2

2007

Apple introduces the iPhone



iTunes festival London 2011

ADELE • COLDPLAY • FOO FIGHTERS

iPhone APP OF THE WEEK

THE 125TH CHAMPIONSHIPS WIMBLEDON 2011

APPS FOR CYCLING

SONIC SEGA ALL-STARS RACING

iPhone GAME OF THE WEEK

iPhone**APP STORE QUICK LINKS**

- All Categories
- Previous Apps of the Week...
- Previous Games of the We...
- Game Center
- Apps for Kids
- Football
- Back to School
- Business Class
- Turn-by-turn Navigation
- App Store On Twitter
- Purchased NEW

New & Noteworthy[See All >](#)

Flick Golf Extreme!
Games



Official 2011 Tou...
Sports



BATTLESHIP
Games



Elizabeth Blacka...
Photography



Wolfram Tides ...
Reference



Dozzer - Music ...
Music



Glastonbury 2011
Music



PhotoToaster
Photography



Monster Soup
Games



BabyOnTime!
Utilities



Tinker Bell and t...
Books



London Bike Rid...
Sports

TOP CHARTS**Paid Apps** [See All >](#)

1. WhatsApp Messenger
Social Networking
2. Sonic & SEGA All-Stars ...
Games
3. Angry Birds
Games
4. NAKED SEX +
Entertainment
5. NAKED SEX +
Entertainment
6. NAKED SEX +
Entertainment
7. NAKED SEX +
Entertainment
8. NAKED SEX +
Entertainment
9. NAKED SEX +
Entertainment
10. NAKED SEX +
Entertainment

2008

Apple Launches the
App Store



2008

Google launches first
Android Device

2008

**HTML5 standardization
starts**





2009

Node.JS launched