

[Hacker cultures]

Milestones of Hacktivism History

Chapters:

1. the idea and origin of hacking: MIT and the hacker ethic
2. Hobbyists and the Californian ideology
3. The birth of the Internet and free culture
4. Technological typology of hacking
5. Motivational typology of hacking
6. Hacktivism
7. Contemporary hacker subcultures
8. Some hacktivist art projects

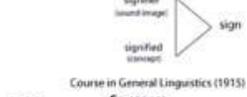
There is no single definition of hacker culture;
Examining the histories of hacking we might get to a comprehensive understanding of hacker cultures' main characteristics.

Examining hacker cultures is the observation of the information age and of the history of digital culture through its most subversive actors.

Our focus is intersections with art and design, critical media activism

MEDIA THEORY

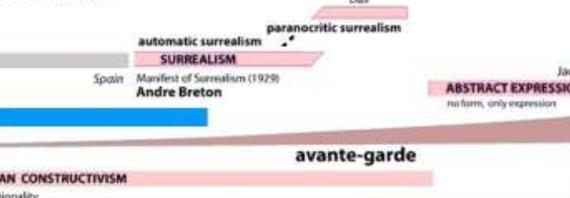
THEORY



ART



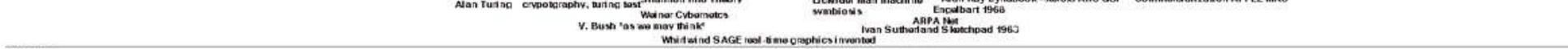
modern art



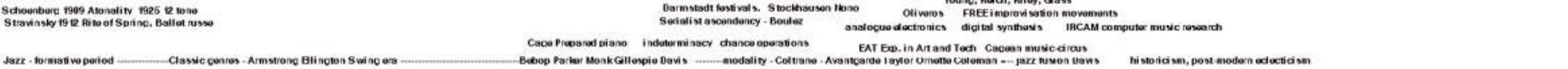
CONSUMER ART



COMPUTING AND INFORMATION



MUSIC



POLITICS



SCIENCE



Timeline of 20th c. Art and New Media

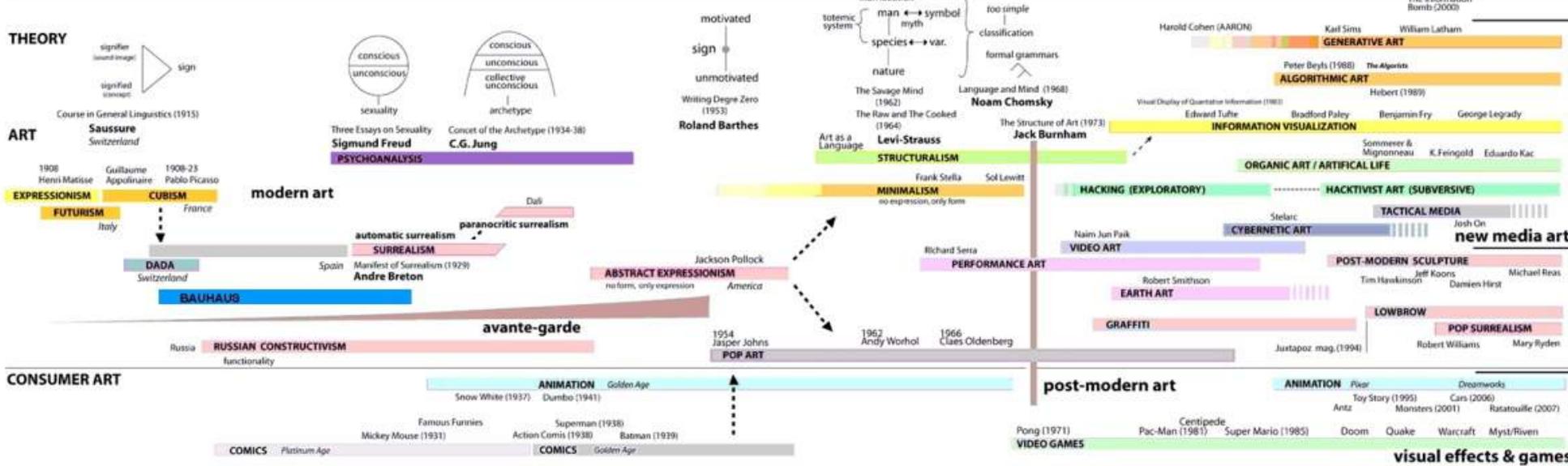
Clement Greenberg
 Art and Culture

Steven Levy
 Hackers (1984) Artificial Life (1992)

Walter Benjamin
 Art in the Age of Mech. Rep. (1936)

Marshall McLuhan
 Mechanical Bride (1951) Gutenberg Galaxy (1962) Understanding Media (1964)

Paul Virilio
 The Vision Machine (1994)
Lev Manovich
 The Language of New Media (2001)



Rama Hoetzlein (c) 2009-2010
 rev. Michael Costery 2011

1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015

HARDWARE

Whirlwind, the first real-time computer was built at MIT US Air Defense System

Intel 4004 release

IBM Personal Computer 100,000 orders by Christmas

first Nokia smartphone

The first iPhone was introduced by Apple. Android by Google

Intel 8080, the first widespread microprocessor.

Commodore 64

build-it-yourself computer Galaksija released in Belgrade

IBM's Deep Blue became the first computer to beat a reigning World Chess Champion, Garry Kasparov, in a full chess match

Altair 8800, the first commercially successful hobby computer

Apple Macintosh

IBM 701

Minsk mainframe computer USSR

PROGRAMNYELVEK, OPERÁCIÓS RENDSZEREK és szoftwer

FORTRAN (FORmula TRANslation), the first high-level programming language /IBM a FORTRAN needs to be converted into a machine program by a compiler

LOGO /MIT

BASIC

Apple Computer, Inc. founded, to market the Apple I, by Jobs and Wozniak

Apple II

Amiga

First microcomputer implementation of BASIC by Gates and Allen

Adobe Photoshop

Microsoft invests in Apple, worth \$150 million

LISP (interpreted) developed, 'LISt Processing'. /MIT

Development of UNIX operating system

Microsoft Windows launched.

Spacewar/MIT

Atari founded

TOR PROJECT

EGYÉB/ KULTURÁLIS HATÁSOK

In the late 1950s, an anonymous IBM employee made a lady from the pages of Esquire come to life on the screen of a \$238 million military computer.

Computer-Generated Pictures eXHIBITION

CHAOS COMPUTER CLUB

MITNICK's arrest

TWITTER

FACEBOOK

FLUXUS

WHOLE EARTH CATALOGUE

THE WELL

GOOGLE

ANONYMOUS

HOME BREW COMPUTER CLUB

HÁLÓZAT

Project MAC begun at MIT timesharing & messaging

MOON LANDING

THE JARGON FILE'S FIRST APPEARANCE

Commercial providers sell internet connections to individuals.

World Wide Web, by Tim Berners-Lee

the Internet backbone was government property. Managed by the Defense Department's Advanced Research Projects Agency (ARPA)

1990 ARPA transferred control over the Net to the National Science Foundation (NSF). ARPANET

F/LOSS

Packet switching, /ARPA

1980s a series of commercial and alternative networks had sprung up, such that by the late 1980s, millions of Americans were e-mailing one another, participating in online discussions, and posting information.

the GNU Project by Stallmann

The Linux kernel is born Torvalds/

LEVY

Part One. TRUE HACKERS
CAMBRIDGE: The Fifties and Sixties
The Tech Model Railroad Club
The Hacker Ethic
Spacewar
Greenblatt and Gosper
The Midnight Computer Wiring Society
Winners and Losers
Life

Part Two. HARDWARE HACKERS
NORTHERN CALIFORNIA: The Seventies
Revolt in 2100
Every Man a God
The Homebrew Computer Club
Tiny BASIC
Woz
Secrets .

Part Three. GAME HACKERS
THE SIERRAS: The Eighties
The Brotherhood
The Third Generation

Part Four. THE LAST OF THE TRUE HACKERS
CAMBRIDGE: 1983

1995, the NSF relinquished control of the Internet backbone, facilitating the interlinking of commercial, alternative, and government-sponsored networks and the mixing of for-profit and not-forprofit uses across the system.

1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015

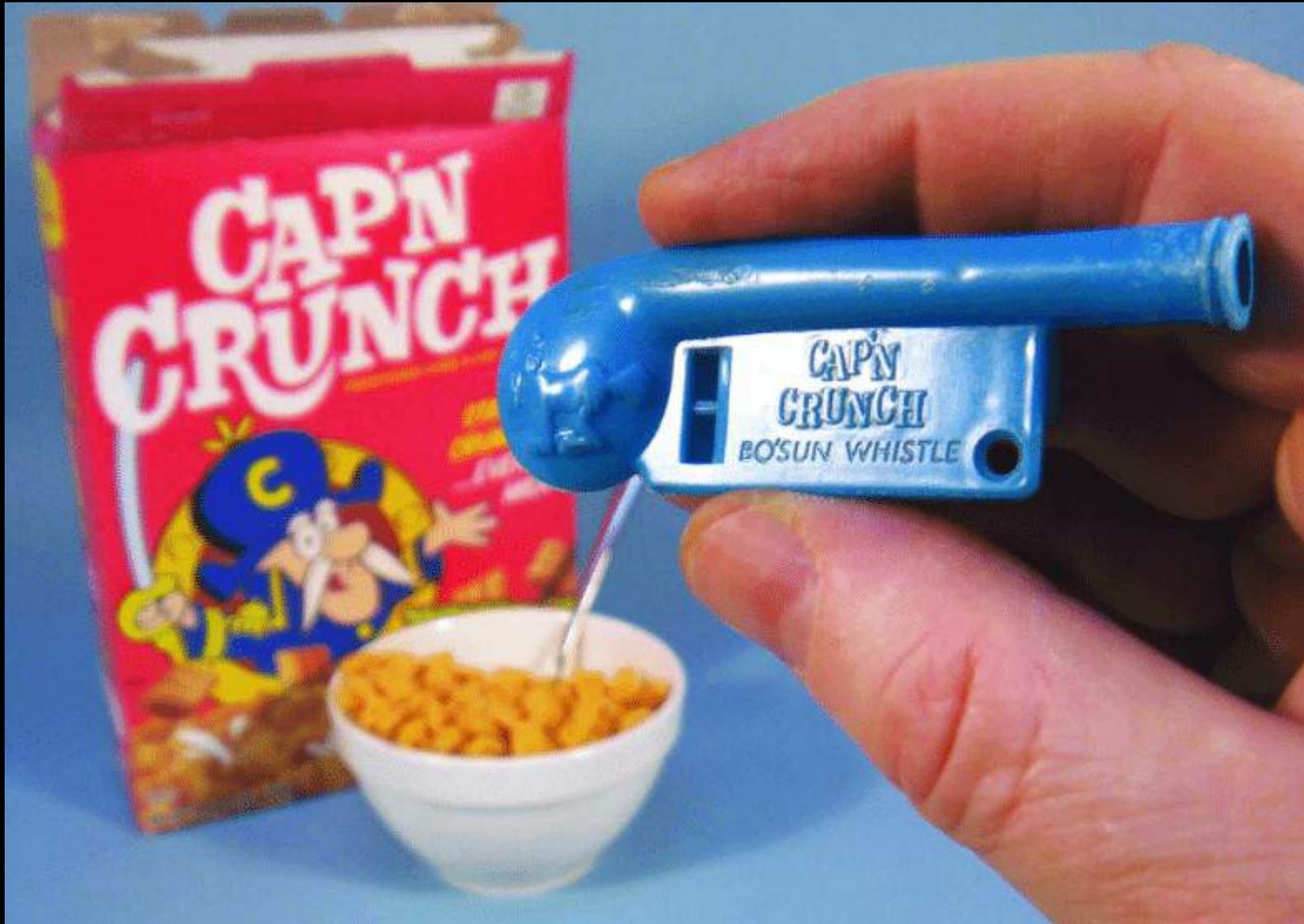
1. the idea and origin of hacking: MIT and the hacker ethic, 1950-ies and 60-ies

D/ARPA (Licklider)
Space Race, Cold War
Railroad Model Club > AI Lab
Steven Levy: Hackers, heroes of the computer revolution('84)

early programming languages, interfaces and early computers
types of computers



Phreaking and lockpicking – masters of trickstery



The Hacker Ethic

Access to computers—and anything that might teach you something about the way the world works—should be unlimited and total. Always yield to the Hands-On Imperative!

All information should be free.

Mistrust Authority—Promote Decentralization.

Hackers should be judged by their hacking, not bogus criteria such as degrees, age, race, or position.
meritocratic trait

You can create art and beauty on a computer.

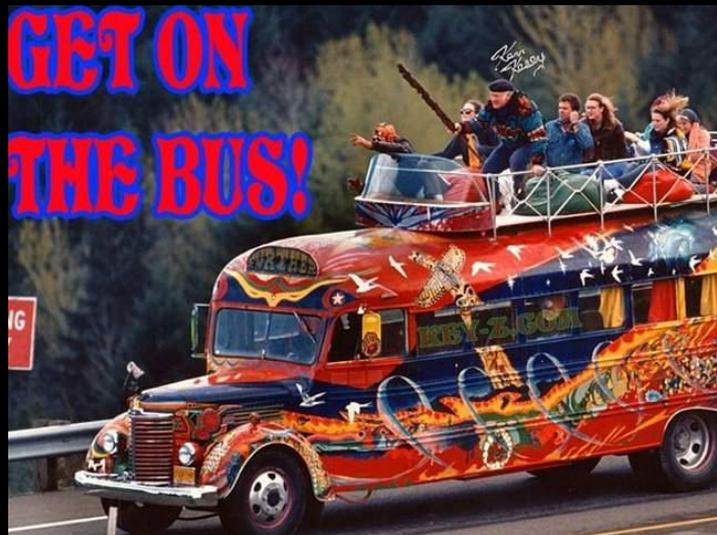
Computers can change your life for the better.

(LEVY 2010: 34)

Definition of hacking by

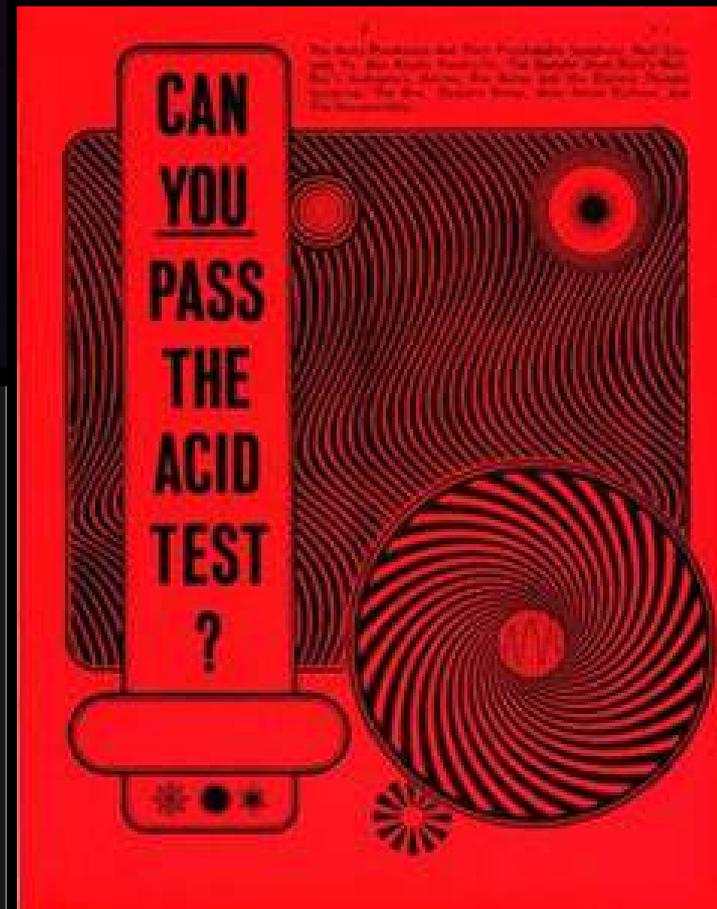
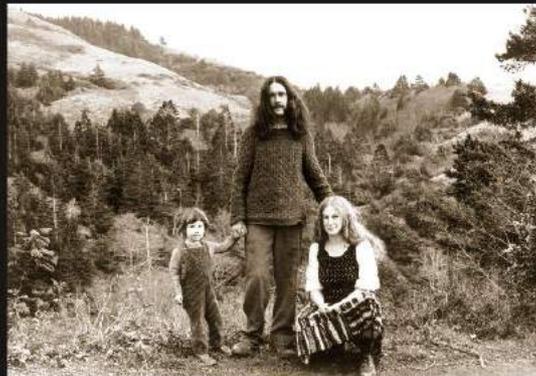
- Levy
- Stallmann
- Coleman
- Himanen
- Jordan

2. Hobbies and the Californian ideology: from counterculture to cyberculture (Fred Turner)

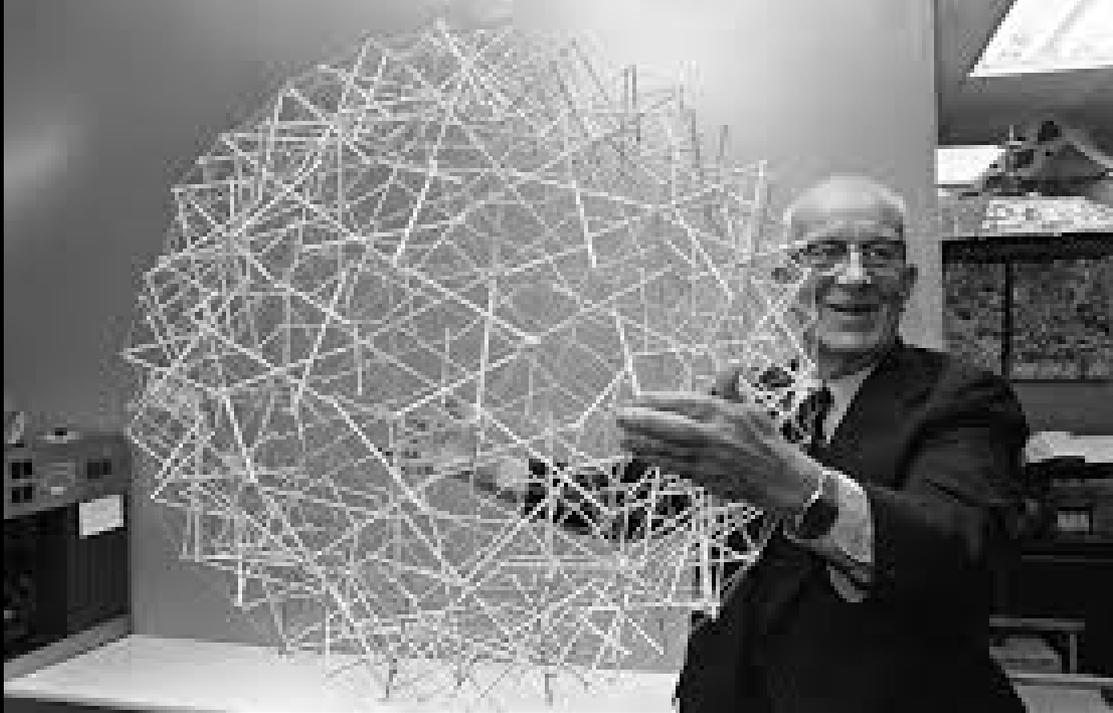
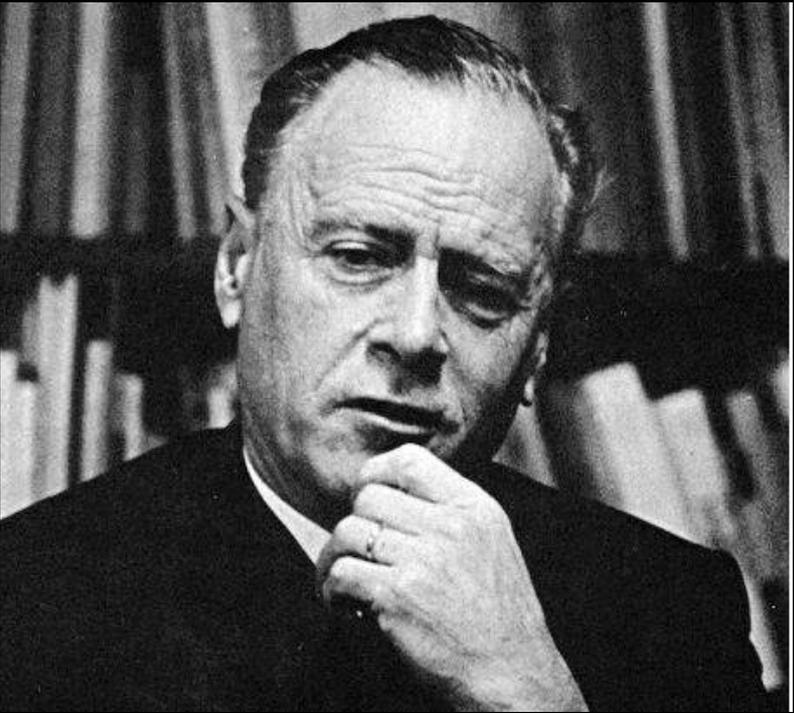
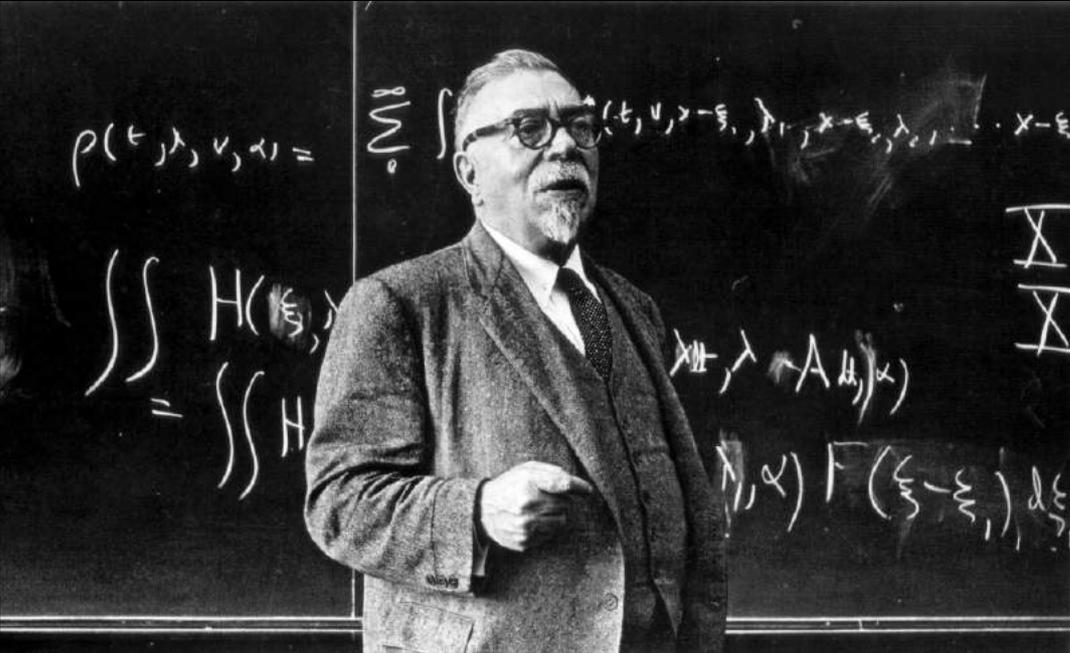


Mendocino In The Seventies

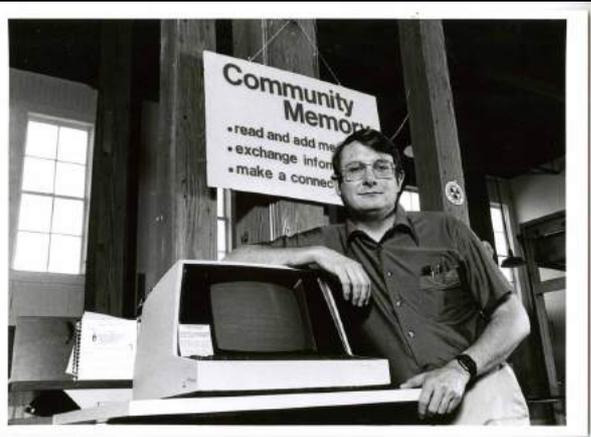
People, Places and Events of California's Mendocino Coast
by Nicholas Wilson, Photographer



Mcluhan, Fuller, Papanek, Wiener: techno-utopian visions of society



Hobbyist culture, hardware hackers and their sudden prosperity: the microchip and the PC revolution



HOW TO "READ" FM TUNER SPECIFICATIONS

Popular Electronics

WORLD'S LARGEST-SELLING ELECTRONICS MAGAZINE • JANUARY 1976 • \$2.00

PROJECT BREAKTHROUGH!

World's First Minicomputer Kit to Rival Commercial Models...

"ALTAIR 8800" SAVE OVER \$1000

ALSO IN THIS ISSUE:

- An Under-\$90 Scientific Calculator Project
- CCD's—TV Camera Tube Successor?
- Thyristor-Controlled Photoflashers

TEST REPORTS:

- Technics 200 Speaker System
- Pioneer RT-1011 Open-Reel Recorder
- Tram Diamond-40 CB AM Transceiver
- Edmund Scientific "Kirlian" Photo Kit
- Hewlett-Packard 5381 Frequency Counter

3. The birth of the internet and the struggle for free/libre culture

<https://www.youtube.com/watch?v=9hIQjrMHTv4>

Safra, , (255 SYSOP [21] 249 mins, 0

WAWW

[R]	Read Messages	[F]	List Files	[S]	Stats
[E]	Enter Message	[FR]	Reverse List	[W]	User Info
[O]	Page Sysop	[N]	New Files	[G]	Goodbye
[CF]	Conference Flags	[Z]	Search	[M]	Ansi On/Off
[ZOOM]	Gather Mail	[A]	Adjust File Flags	[X]	Expert Mode
[C]	Comment to Sysop	[D]	Download	[RZ]	Quick Upload
[J]	Join Conference	[U]	Upload	[V]	View a File

User: Safra from eXTRADITION! at 13:21:51

Extradition [2:AmiExpress] Time: 249 mins. left : ■

How the Web works? And How Http makes that possible?

The **Request Response** Cycle

The Globe



The user type
in the URL :

www.mywebsite.com/products/myproduct.html



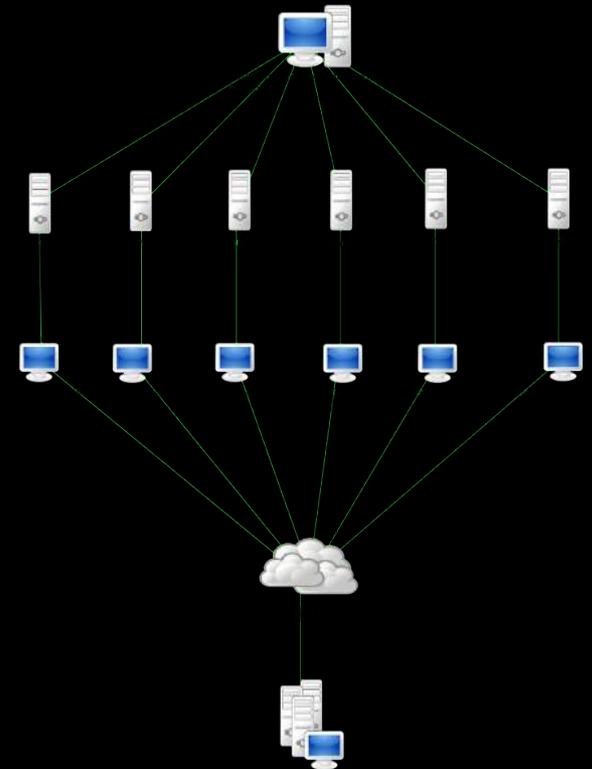
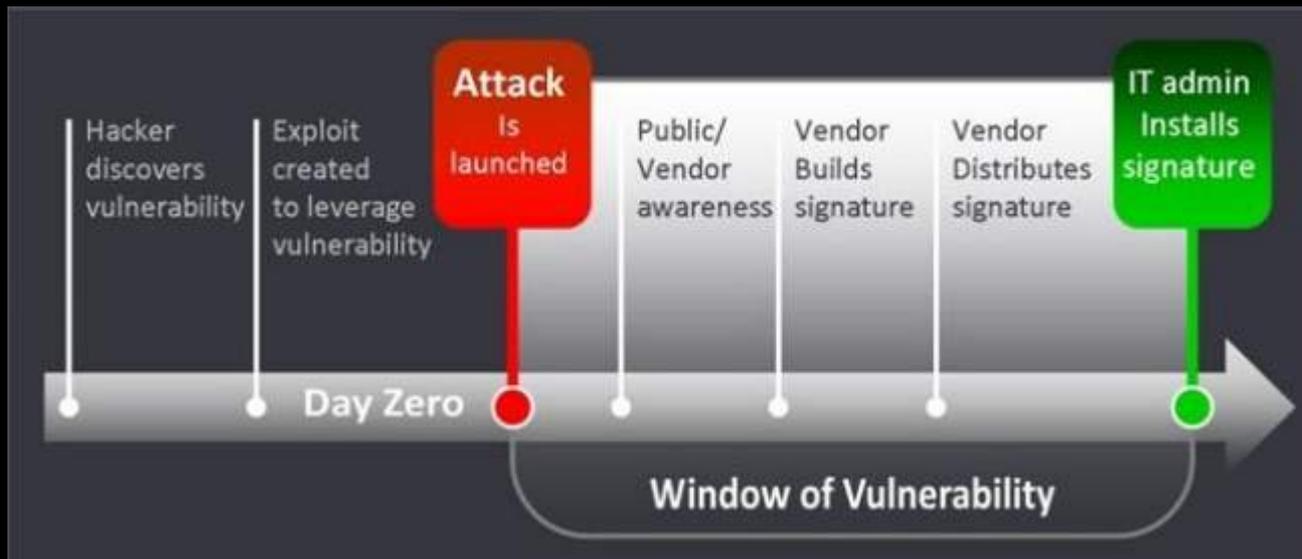
Web Server



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4. technological typology of hacking

- Zero-day
- zero+1-day
- Social engineering
- Script kiddies



5. motivational typology of hacking

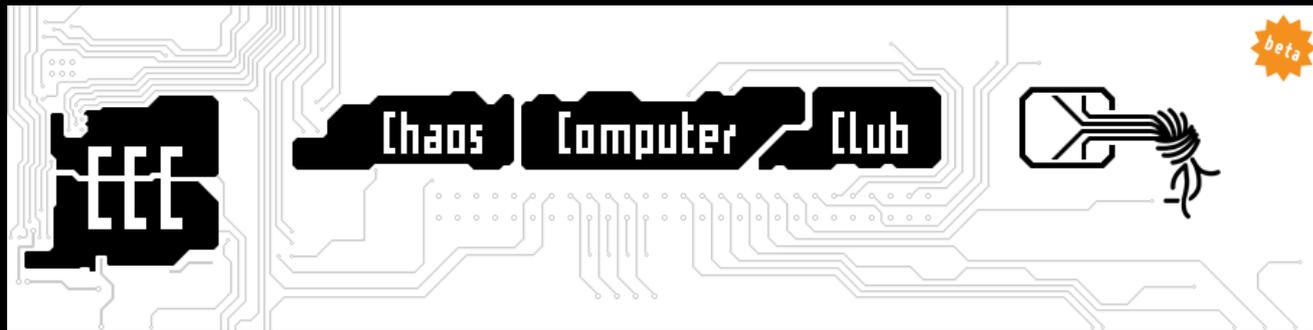
- Cyberwar
- Cyberterrorism
- Cybercrime
- cyber-activism

6. hacktivism

- Culture Jamming
- Tactical media

- Demonstrational hacktivism / MVDA
- Informational hacktivism
 - providing info-tech logistics
 - Release public data, protect private data!
 - Releasing information, eg. wikileaks
 - Protecting privacy, eg. TOR

7. contemporary hacker subcultures



8. some hacktivist art



**0.07124536
BITCOINS**

**0.13071312
BITCOINS**



Looking for a husband with a EU passport

Please send your applications to hottanja@hotmail.com
Do not hesitate to contact me with any further questions or details



In December 1999, the EDT,
the Swiss art group etoy,
and culture jamming group ®™mark
(pronounced art-mark) launched
“The Twelve Days of Christmas” action
using the EDT’s FloodNet DDoS tool

<http://eyewriter.org/> + laser tag graffiti:
graffiti + open source technologies

Heath Bunting: [readme.html](#)

Critical Arts Ensemble

Tanja Ostojic: Looking for a Husband with an EU Passport 2000

Mediengruppe Bitnik: Random Darknet Shopper 2014

etoy: Toywar, 1999

<https://thewholestoryproject.com/> 2017

Jaromil's ASCII forkbomb: `:(){:|:& }::` 2002

Cirio: Face to Facebook 2011

