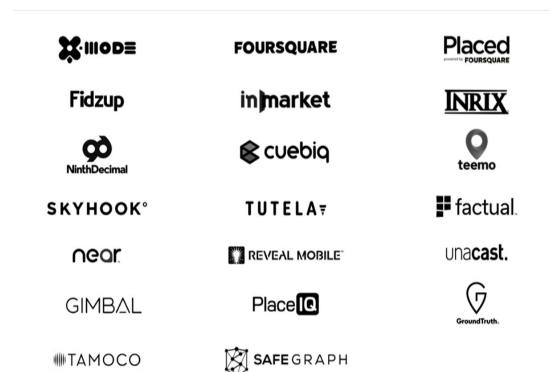


Smartphone Tracking Industry



How companies use geolocation signals to track people

Info sold on advertisers

Personal and political implications

Why this story?

Demonstrates money/power link

Data extraction basic to "platform capitalism"

Raises the question . . .



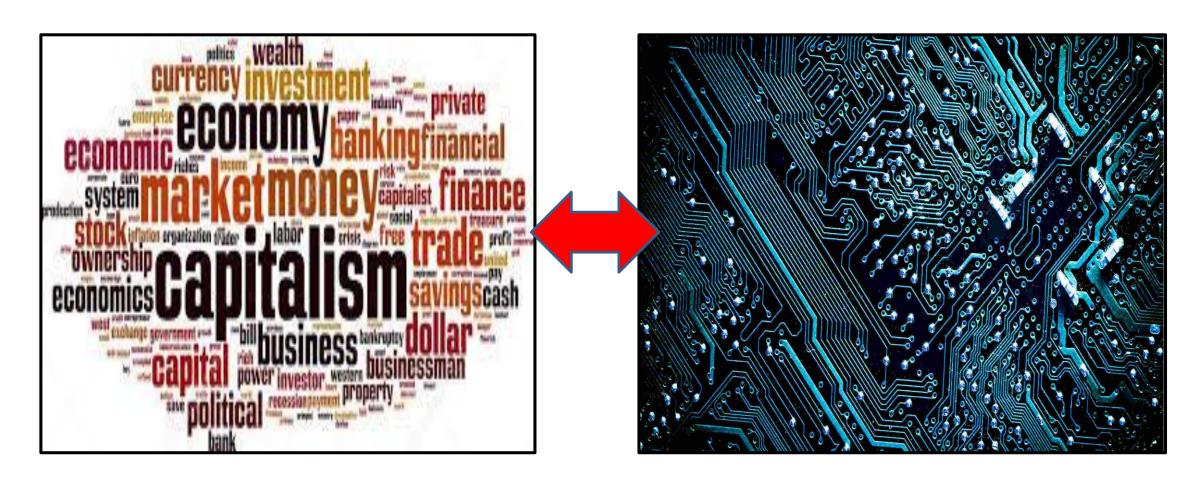


memegenerator.net

"We are living in the world's most advanced surveillance system. This system wasn't created deliberately. It was built through the interplay of technological advance and the profit motive. It was built to make money."

Two Forces

Capitalism, a social and economic system Technology--tools and machines



Capitalism

Three or four centuries ago in Europe

 A market economy, based on the buying and selling of goods emerges



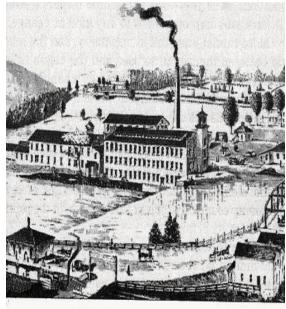
And spreads around the planet



"Generalized Market Exchange"

- People sell their capacity to work
- To get a wage
- To buy goods
- From companies
- That compete for profits
- And hence have a strong incentive
- To increase the speed and scale of production
- By adopting new tech





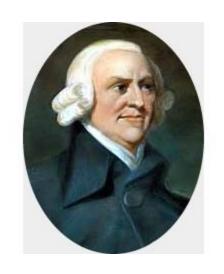
An Early 19th Century Textile Mill

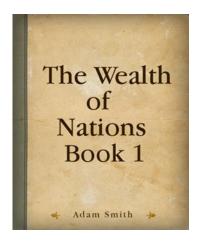
Commodification

- Commodity = a good or service created for sale
- Commodification = more and more goods and services made for sale
- Capitalism = a society of general commodification, tending towards a situation where everything is for sale

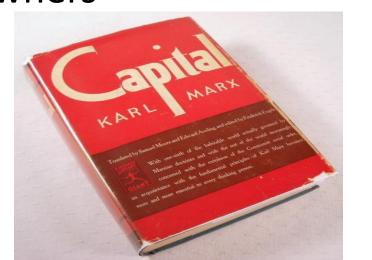


 Adam Smith—market is best form of society because it maximizes individual freedom





 Karl Marx—capital is based on exploitation of workers by owners



Economic Growth/Inequality/ Climate Crisis





Capitalism & the State



- The free market depends on state power
- For property rights, contracts, company law, to protect some social values, for national security
- Regulation = state intervention in economy
- De-regulation = removal of state intervention
- "De-regulation" = "re-regulation", state power in favour of corporate interests
- The role of state in capitalist economies varies according to time and place

State Regulation

By Historical Period

Welfare State 1940-73

1930s Great Depression

The Long Downturn

? Trump etc

2008 Financial Crisis

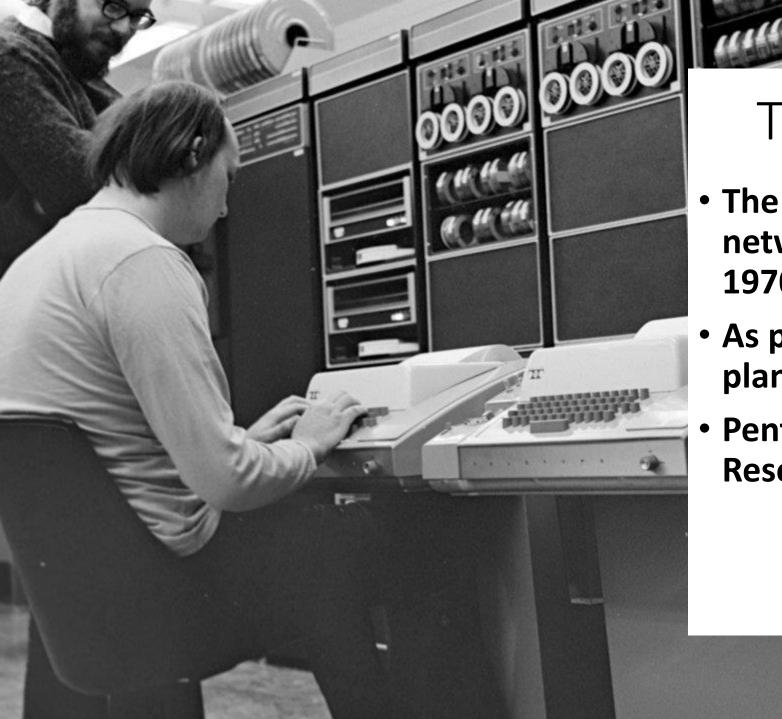
Neoliberalism 1973-2008

Laissez-faire capitalism
1800s on

Corporate Power

The Rise of the Digital Economy

Web 2.0 Platform Capitalism The Free Net **Dot.com Bubble The Military Net**



The Military Net

- The Internet--a network of networks-- originates in 1970s
- As part of US nuclear war planning and research
- Pentagon's Advanced Research Project Agency

The Free Net

- Students and instructors—the first 'hackers'-- link up universities and other virtual communities
- 1980s-1990s
- Non-commercial, no-ads
- Used by small groups of scientists and counter-cultural adopters--"netizens"
- Who believe the internet will flatten organisations, globalise society, decentralise control, and help harmonise people"



The Dot.Com Bubble

- Dot.com first "e-businesses"
- Digital replacing 'brick and mortar'
- publishing on line
- Internet service providers like America On-Line provide 'walled garden' access
- Early search engines aim to attract users to commercial portals
- But no clear revenue model
- E-advertising not well developed
- User's habituated to 'free' internet content

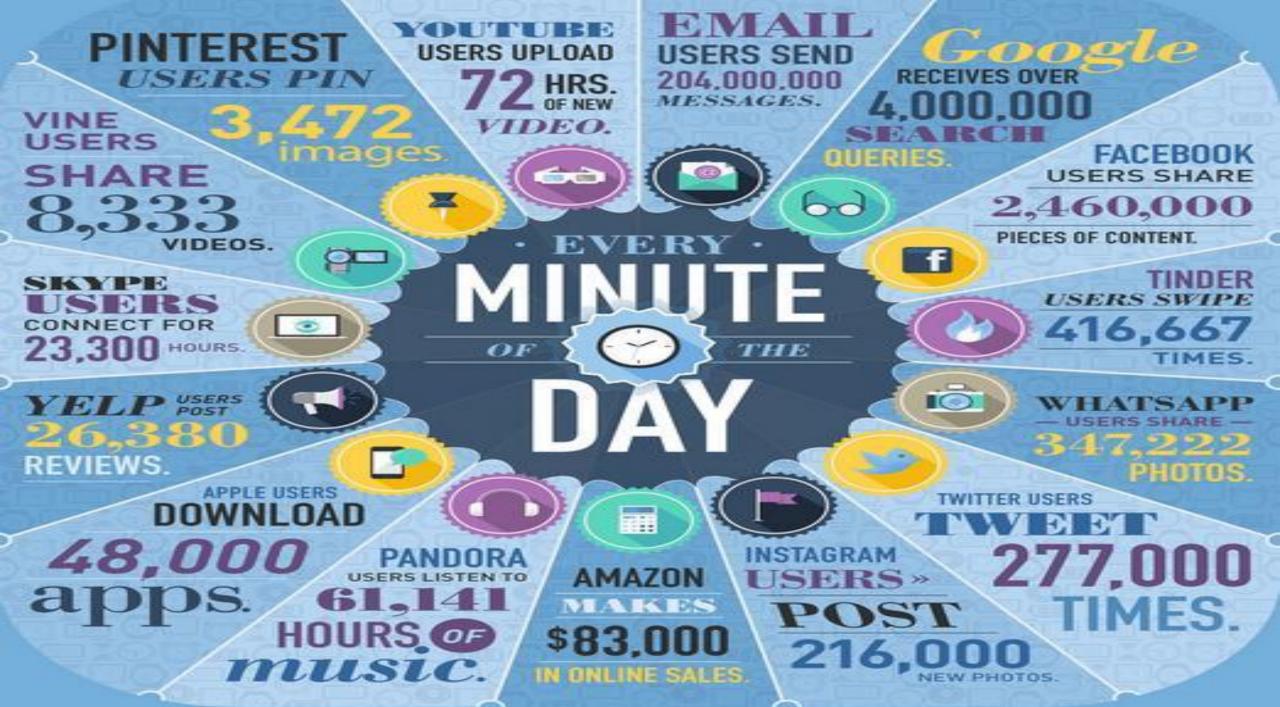






Web 2.0

- Tim O'Reilly (2005) "What Is Web 2.0?"
- 'Participation' not 'publishing'
- User-generated content—blogs,
 YouTube videos
- Services not product—platforms as sites for social interaction
- 'Content' becomes more a matter of 'conversation' or 'connection'
- Advertising, surveillance, data extraction revenue model



Tech & Finance

- In US, government responds to dot.com crash by making it easier to borrow money
- This led to another crash in 2008
- Governments all around the world respond with more low interest rate loose money

- New digital firms benefit from
- Investors prepared to take a risk in order to get a good return of money
- Loose tax regulation that enables use of foreign tax havens
- Which digital firms are good at because they only have to move intellectual property

After the Crash . . .

- Some older e-businesses survive e.g, Amazon, eBay
- But a new wave of companies appear
- Search Engines: Google (2004)
- Social Networks (including games): MySpace, Facebook (2006)
- Music & media downloads: Apple iPod



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