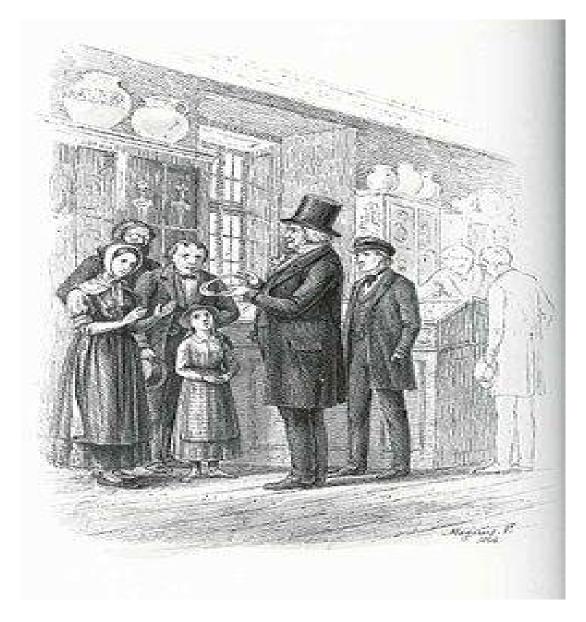
Internet

A source of innovation and/or progress?

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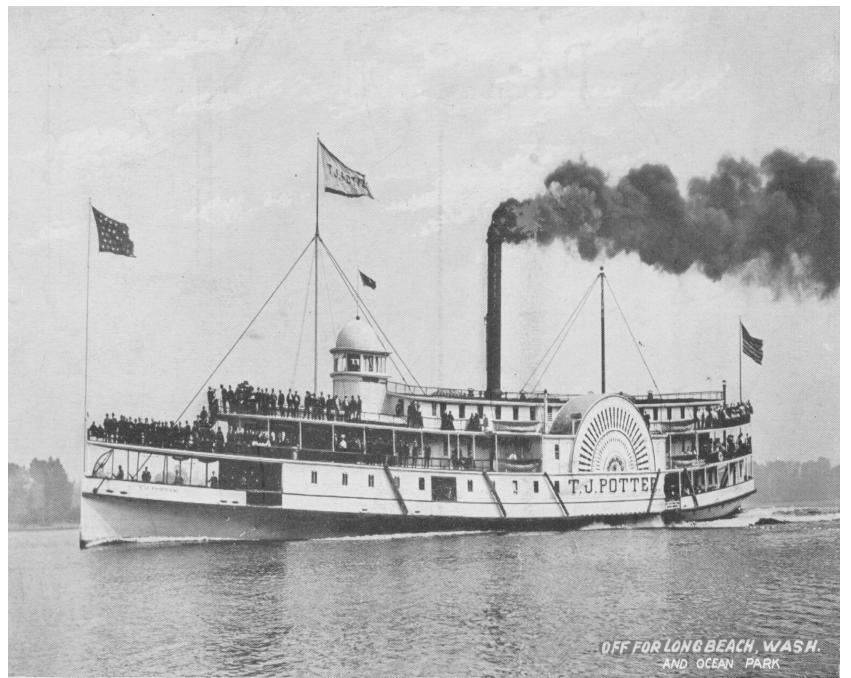


Thomsen, C. J. (1836) *Ledetraad til Nordisk Oldkundskab* (Guide to Northern Antiquity), published in English in 1848









Industralial Age

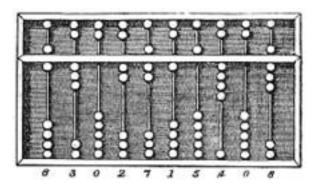
- Society of Labour
- Capacity of production
- Systematic and intense use of machines
- Examples
 - Textile workers > textile machines
 - Hammer > nail guns
 - Rowing > steam

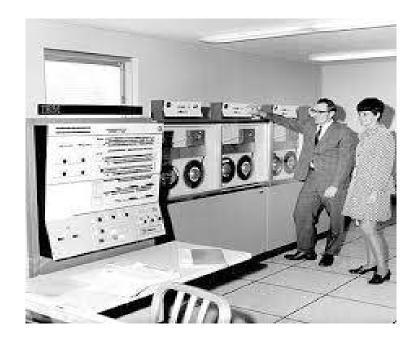
Major Transformations

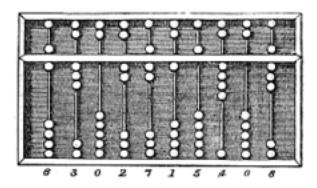
- Social Transformation ST
 - Concentration of people, social claims
- PT political T
 - democratization
- ET economical T.
 - Cash production
- PeT personal T.
 - Mass consumption, free time, education
- PrT Professional T.
 - Specialisation of professions

Information Age



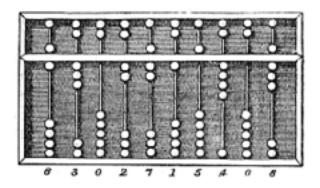










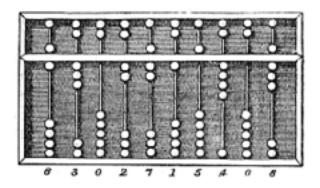










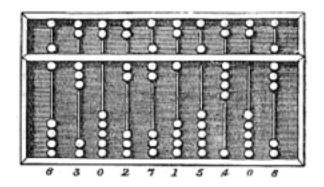








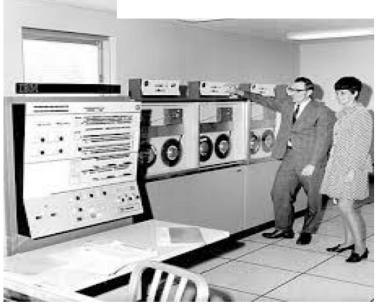






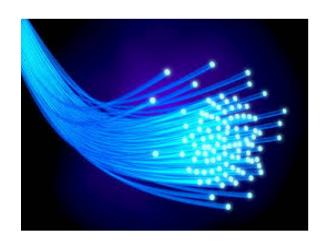




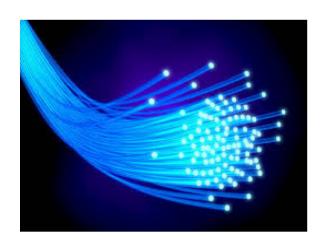


Ifrah Georges, 2001, The Universal History of Computing: from the Abacus to the Quantum Computer, NY, John Wiley and Suns

Communication Age

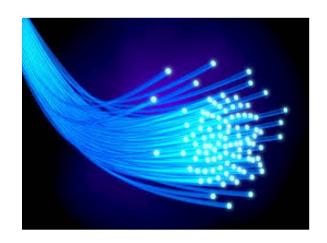








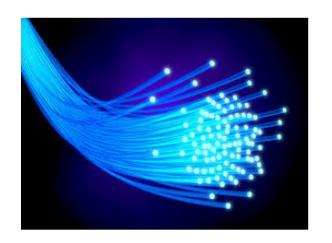












All together

- Internet = combination of a significant set of improvements as regards
 - Production capacity
 - Capacity to handle information
 - Capacity to communicate that information

What transformations?

- ... ST
 - De-Concentration of people?
- ... PT
 - Instantaneous democraty?
- PeT
 - No free time? No privacy?
- ... PrT
 - Elimination of professions ?

Pressure on ...

- ... Geographical allocation
- ... Economic Processes
- ... Competition
- ... Regulation

P on Geographic Allocation

- Dis-industrialization
 - Trend
 - Companies leaving the EU and the US
 - Sell here, produce elsewhere
- Change in intensity/ubiquity
 - Role of ICT Oxford
- Competition law problem?

. . .

- <u>Legal</u> dimension
 - Dismantling of trade regulation
- Competition dimension
 - Legal barriers
 - Cfr former monopolies
- Theory of Competition
 - Pressure, Outcome positive for all
- Manifestations
 - EU, WTO

P on Processes

- Displacement of activity
 - Not geographically
 - But by reason of technology
- Intermediaries
 - Beforehand : Physical
 - Now : challenged by machines
 - » Some will disappear
 - » Others will specialize
- Competition law problem?

. . .

Fully corresponds to competition

- Hart of competition : substitutability
- Choose what corresponds to one's needs

Substance of competition policy

- Ensure choice
- Limit barriers to entry and expansion
 - » Legal barriers
 - » Even economic barriers, on certain markets

Social values

- Economic reasons
- Political reasons
 - » Freedom to start economic activities
 - » Freedom to choose

P On Competition

- Typical, competition law issues
- Pre-competitive markets
- 2 issues
 - Will there be competitors?
 - Will the dominant firm extend to ancillary markets?
- Example Google
 - Neutrality issue

P On Regulation

- Emergence of new intermediaries
- « Sharing economy »
- Lower price, lower rules
- Example Uber
 - Labour protection
 - Consumer protection
 - Protection of society
 - Protection of the environment

Conclusion

- Progress in
 - Freedom
 - Choose, start activities
 - Efficiency
 - Use of tools, differenciation
- Progress must be sustainable
 - Conditions for the system to work
 - Conditions for the system to be viable

For the system to work

- Cost differentials
- What is a cost?
- Economic exchanges > common rules
- The scope of Competition law must be revisited
 - » And the responsibilities of competition authorities must be extended
 - » Beyond Behaviour on undertakings
 - » To: EU: internal market
 - » And : WTO : trade regulation, anti-dumping

For the system to be viable

Shumpeter – destruction, creation

- Geographic mobility
 - Barriers
- Professional mobility
 - Education
- Social acceptability
 - Social security
- Reasonable degree of competition
 - On both ends

