Dimension of Power in Networked Society
New Sources, New Forces

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Socio-cultural: “open” vs. “proprietary”; Net-heads vs. Bell-heads

Organizational: IETF W3C; FOSS

Technical: TCP/IP HTML/HTTP; ~Open APIs

Law: Common carrier; Antitrust; Unbundling; Commons

Market: Windows Dominant (/open APIs) Competitive ISPs; no dominant websites

E.g. no organizational space to force ATM; or DirectX / MS Java implementations
No technical affordance to prevent Skype or Firefox installation and running

Websites / portals Nascent web

Browser / other apps

Internet

Windows; Apple OS; Linux

PC / standards-based components

Copper wire / DSL

Interlocking system effects that support diffusion or decentralization of power of interactions mediated by the Internet
Privatization, Deregulation, Competition
Communities of practice
Learning networks
Commons
Cooperation
Openness
Copper wire / DSL
SMARTPHONE =>
iPHONE

Windows; Apple OS; Linux
Browser / other apps
Websites / portals
Nascent web

Organizational: IETF
W3C; FOSS

Internet

Technical: TCP/IP
HTML/HTTP; ~Open APIs

Socio-cultural: “open” vs. “proprietary”; Net-heads vs. Bell-heads

Law: Common carrier; Antitrust (AT&T & MSFT); Commons

Market: Windows Dominant (/open APIs)
Many ISPs; no dominant websites

SMARTPHONE => iPhone

Copper wire / DSL
Phone Story: a game that satirizes the dark side of iPhone manufacturing, gets banned by Apple.
Image courtesy Multiadista
Wireless / cellular

SMARTPHONE =>

iOS (+later Android)

Browser / other apps

Websites / portals

Nascent web

Cloud services

Internet

AppStore

iOS (+later Android)

SMARTPHONE =>

iPhone

Wireless / cellular (/WiFi)

Law: Fewer limits on carrier
None on Smartphone;
Patents; Jailbreaking/
DMCA

Organizational: IETF
W3C; FOSS; Apple, Google;
Wireless carriers bring
different organizational
behaviors

Technical: TCP/IP; HTML5
PLUS new layer controlled
APIs; DRM

Market: Apple 1st; then
Android & Google;
AT&T, VZ,
T-Mobile & Sprint

Socio-cultural: Consumer / User experience;
Investment incentives;
Network management;
QoS, “Bell-head” resurgence

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Embedded software; “Internet of Things” => DRM makes software-embedded products of all forms non-replicable infrastructure for all compatible competitors or complements.
Wireless / cellular

Websites / portals
Nascent web

Browser / other apps

AppStore

Internet

iOS (+later Android)

SMARTPHONE =>

iPHONE

Technical: TCP/IP; HTML5
PLUS new layer controlled
APIs; DRM

Law: Fewer limits on carrier
None on Smartphone;
Patents; Jailbreaking

Organizational: Apple,
Google, wireless carriers

Socio-cultural: Consumer / User experience;
Investment incentives;
Congestion management;
QoS, “Bell-head” resurgence

Market: Apple 1st; then Android & Google;
AT&T, VZ, T-Mobile & Sprint

Net neutrality order directly challenges this
Control over the wireless connection translated into platform and content layer power

The innovation and learning effects of leveraging are often externalities from the perspective of consumers.
High-Speed Home Broadband / Fiber / DOCSIS 3.0

Netflix, Hulu, etc.
Video streaming central

Browser / other apps

AppStore extended to PC;
DRM built in

Internet

Apple devices increase;
Xbox; Tablets; Windows 10

PCs and video streaming
devices/ Game consoles

Law: Battle over net
Neutrality; First Amend.? Mergers

Socio-cultural: Consumers;
Investment incentives;
Network management
QoS
Video streaming as a core

Organizational: Cablecos;
Industry negotiated (e.g. HTML5 DRM)

Technical: TCP/IP; HTML5
DRM; network management

Market: Natural monopoly re-emerges?

Net neutrality order directly challenges this
Amazon Erases Orwell Books From Kindle

A commuter using an Amazon Kindle while riding the subway in New York.

By BRAD STONE
Published: July 17, 2009

In George Orwell’s "1984," government censors erase all traces of news articles embarrassing to Big Brother by sending them down an incineration chute called the “memory hole.”

On Friday, it was “1984” and another Orwell book, “Animal Farm,” that were dropped down the memory hole — by Amazon.com.

In a move that angered customers and generated waves of online pique, Amazon remotely deleted some digital
Electronic health records in US
Early mover advantage

Get it right early!

Note: Within a health care professional’s EHR system, a primary EHR is a complete EHR or, if the professional does not have a complete EHR, it is the EHR that meets the most Meaningful Use criteria. If a professional has two or more complete EHRs, all of these EHRs are considered primary for the purpose of this report. A secondary EHR is any additional modular EHR used within the professional’s EHR system. *144 of the 749 Other Vendors only supply secondary EHRs to participating health care professionals. Of the 605 Other
Data portability and interoperability critical; Open standards
Wireless / High-Speed Home Broadband

Smartphones, streaming devices / game consoles
iOS; Android; Xbox; Tablets; Windows 10

Content

Applications / software

Platforms: Facebook; Google Amazon? Netflix? Uber?

Cloud services

AppStore model

Internet

iOS; Android; Xbox; Tablets; Windows 10

Smartphones, streaming devices / game consoles

Wireless / High-Speed Home Broadband

Socio-cultural: consumer protection framing; sometimes freedom; vs. fear, security, Convenience, user experience

Organizational: internal to providers

Technical: Proprietary standards

Law: voluntary enforcement
EULAs; private ordering

Market: Tippy, winner-take-all markets; FB clearest; Google search, maps, user Video; maybe Amazon?

Applications / software

Platforms: Facebook; Google Amazon? Netflix? Uber?

Cloud services

AppStore model

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Smartphones, streaming devices / game consoles

Wireless / High-Speed Home Broadband
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<th>2000s</th>
<th>2010s=&gt; ?</th>
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<tbody>
<tr>
<td>Music</td>
<td>Recording industry</td>
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WHAT SHOULD I DO ABOUT YOUTUBE?

My Google Youtube rep contacted me the other day. They were nice and took time to explain everything clearly to me, but the message was firm: I have to decide. I need to sign on to the new Youtube music services agreement or I will have my Youtube channel blocked.

This new music service agreement covers my Content ID account and it includes mandatory participation in Youtube's new subscription streaming service, called Music Key, along with all that participation entails. Here are some of the terms I have problems with:

1) All of my catalog must be included in both the free and premium music service. Even if I don't deliver all my music, because I'm a music partner, anything that a 3rd party uploads with my info in the description will be automatically included in the music service too.

2) All songs will be set to "montetize", meaning there will be ads on them.

3) I will be required to release new music on Youtube at the same time I release it anywhere else. So no more releasing to my core fans first on Bandcamp and then on iTunes.

4) All my catalog must be uploaded at high resolution, according to Google's standard which is currently 320 kbps.

5) The contract lasts for 5 years.

I can't think of another streaming service that makes such demands. And if I don't sign? My Youtube channel will be blocked and I will no longer be able to monetize (how I hate that word) 3rd party videos through Content ID.

I told the rep I'm happy with Content ID as it is. Can't I just continue to participate in Content ID and not be a part of Music Key?

No. The rep said they can't have music in the free version that is not in the paid version, it would be bad for their users. All music content has to be licensed under this new agreement.
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<td><strong>News</strong></td>
<td><strong>Traditional Broadcast Newspapers Cable</strong></td>
<td><strong>Blogs, Writable Web; Citizen journalism Networked Fourth Estate</strong></td>
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'I wasn't reaching for it'

Castle's dying words were, "I wasn't reaching for it," Choi said.

Reynolds started live-streaming onto Facebook about 40 seconds after the last shot.

The aftermath of the shooting was streamed onto Facebook Live by Castle's girlfriend.

Reynolds' video feed showed Castle slumping in the front seat with blood covering his shirt. Her
Epicenter of the epistemological crisis

In the final three months of the US presidential campaign, the top-performing fake election news stories on Facebook generated more engagement than the top stories.

Zuckerberg: “There Is More Work To Be Done” With Fake News On Facebook

The Facebook CEO listed some concrete steps to address its fake news problem.

How Normal Are Your Celebs Actually?

How Normal Are Your Celebs Actually?

Donald Trump broke with decades of US policy by speaking with the president of Taiwan Friday, a move that could anger China.

At least nine people have been killed and 21 injured after a fire broke out during a performance at a mall in southern China.

"I'm 21 so you can have it back!" This 23-year-old got her lost ID back in the mail, along with a hilarious thank you note 😂

Download the BuzzFeed News app

A Rally For President-Elect.

A Lot Like One For Candidate

Plane Carrying Brazilian So Skipped Refuel Stop Before Crash

One Year After San Bernardino Attack, Internet History Prep To Motive
Overall Election by FB shares, ~ 2 million stories collected from ~ 700 million tweets
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<td>Production Managerial Capitalism To Neoliberalism; Global supply Chains; post-Fordism</td>
<td>FOSS, Peer production Commons-based production</td>
<td>Uber? On demand economy Efficient, consumer-oriented or extractive?</td>
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Figure 4

Changes in Top Income Shares and Top Marginal Income Tax Rates since 1960
(combining both central and local government income taxes)

Elasticity = .47 (.11)

Re-embedding economic production in social relations

Mixing public law and investment; with market-enabling and non-market social production

Data portability & Interoperability offer one critical dimension
Update on Digital Rights Management and Firefox

A year ago, we announced the start of efforts to implement support for a component in Firefox that would allow content wrapped in Digital Rights Management (DRM) to be played within the HTML5-video tag. This was a hard decision because of our Mission and the closed nature of DRM. As we explained then, we are enabling DRM in order to provide our users with the features they require in a browser and allow them to continue accessing premium video content. We don't believe DRM is a desirable market solution, but it's currently the only way to watch a sought-after segment of content.

Today, Firefox includes an integration with the Adobe Content Decryption Module (CDM) to playback DRM-wrapped content. The CDM will be downloaded from Adobe shortly after you upgrade or install Firefox and will be activated when you first interact with a site that uses Adobe CDM. Premium video services, including Netflix, have started testing this solution in Firefox.

Because DRM is a 'black-box' technology that isn't open source, we have designed a security sandbox that sits around the CDM. We can't be sure how other browsers have handled the "black-box" issue but a sandbox provides a necessary layer of security. Additionally, we've also introduced the ability to remove the CDM from your copy of Firefox. We believe that these are important security and choice mechanisms that allow us to introduce this technology in a
We are Huxleying ourselves into the full Orwell.

Try as I might, I can’t shake the feeling that 2014 is the year we lose the Web. The W3C push for DRM in all browsers is going to ensure that all interfaces built in HTML5 (which will be pretty much everything) will be opaque to users, and it will be illegal to report on security flaws in them (because reporting a security flaw in DRM exposes you to risk of prosecution for making a circumvention device), so they will be riddled with holes that creeps, RATters, spooks, authoritarians and crooks will be able to use to take over your computer and fuct you in every possible way.
Understanding the limits of markets AND state knowledge; integrating learning networks & diverse motivational and organizational models

Not only assuring competition in markets and efficiency, but also orienting regulatory interventions to cooperation in open commons to enable learning networks and communities of practice

Diversity, learning and knowledge flows, adaptation and resilience more important than optimization

Power and rent-extraction opportunities and practices continuously shift locus. Yesterday’s victories become the battleground over tomorrow’s leverage points

Maintaining an open society, creative learning networks, and robust innovation without losing social embeddedness requires continuous updating of the threats and solutions