



# questions of quality

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**concepts of information**

**April 9, 2015**

# order of business

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intro

1. Seungwoo
2. Shalmalee & Seungwoo - Git & Firefox
3. Noura - OpenFrameworks
4. Nick - npm
5. Elaine - Zooniverse
6. Jacob - BuzzFeed
7. Janine - Wird
8. Cindy - Wikipedia
9. Geoff - Wikipedia

# Ron vs. Tux

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Ronald Coase, 1910-2013

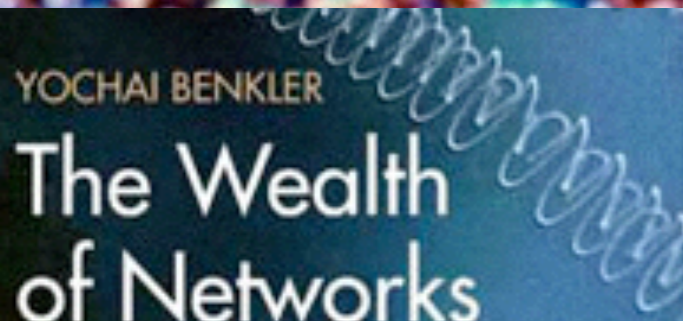


NEW YORK TIMES BUSINESS BESTSELLER  
"As entertaining and thought-provoking as *The Tipping Point* by  
Malcolm Gladwell. . . . *The Wisdom of Crowds* ranges far and wide."  
—*The Boston Globe*

# THE WISDOM OF CROWDS

JAMES  
SUROWIECKI

WITH A NEW AFTERWORD BY THE AUTHOR



## here comes ...

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### **crowdsourcing, web 2.0 ...**

Raymond - *Cathedral and the Bazaar*, 1997

Benkler — Coase's Penguin, 2003

Surowiecki - *The Wisdom of Crowds*, 2004

Benkler - *The Wealth of Networks*, 2006

Shirky - *Here Comes Everybody*, 2008



# battling concepts

"Information wants to be free"

*innovation, competition, democracy, access*

vs

"Information needs to be constrained"

*institutionalisation, exclusivity, hierarchy, regulation,  
precedent, overload*

vs

"information needs to be expensive"

*commodification of information*

# commodification

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## information everywhere

"perfect information ... free, complete, instantaneous, and universally available ... [is] one of the defining features of the perfect market ... at the same time, both the perfect and the actual market structure ... depend on information being a commodity, ... costly, partial, and deliberately restricted"

--James Boyle, *Shamans, Software & Spleen*, 1996

"acquiring and processing information about human capital available to contribute to information production projects ... both human capital and information inputs ... information about end users ... about specific customization" —Benkler

# internal battles

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## **FLOSS**

*free/libre/open source software*



# lest we forget ...

## liquidity traps in *nonmarket* relations!?

### Heartbleed a Year Later: How the Security Conversation Changed

By Sean Michael Kerner | Posted 2015-04-07 [Print](#)

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**NEWS ANALYSIS:** In the year since Heartbleed's discovery, there is more scrutiny than ever on OpenSSL and critical infrastructure overall.

A year ago today (April 7), I first saw the OpenSSL advisory about a new security vulnerability identified as CVE-2014-0160 and titled "TLS heartbeat read overrun."

When I first wrote my [article](#) for *eWEEK* on the issue, I identified the flaw as the Heartbeat SSL flaw. By the middle of the day on April 8, my editors at *eWEEK* were asking me if I had mislabeled the story since other publications were

calling it Heartbleed.

Time sure does fly.

The name Heartbleed is the branded term that security firm Codenomicon came up with. They also branded the vulnerability in a way that I had never seen before, but has since become a model that other security vendors have tried to emulate. The Codenomicon-branded Heartbleed had its own logo and an easy-to-follow description of the flaw and the actual risks.

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### Heartbleed, Shellshock and developer apathy let hackers steal a billion records in 2014

by [Alastair Stevenson](#) 17 Mar 2015



# the voice of reason: let's stay with the market

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## How to Break the Internet

The biggest threat to the Net isn't cable companies. It's government.

Geoffrey A. Manne & R. Ben Sperry from the **May 2015** issue - view article in the **Digital Edition**

f 12

85

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"Net neutrality" sounds like a good idea. It isn't.

As political slogans go, the phrase net neutrality has been enormously effective, riling up the chattering classes and forcing a sea change in the government's decades-old hands-off approach to regulating the Internet. But as an organizing principle for the Internet, the concept is dangerously misguided. That is especially true of the particular form of net neutrality regulation proposed in February by Federal Communications Commission (FCC) Chairman Tom Wheeler.

Net neutrality backers traffic in fear. Pushing a suite of suggested interventions, they warn of rapacious cable operators who seek to control online media and other content by "picking winners and losers" on the Internet. They proclaim that regulation is the only way to stave off "fast lanes" that would render your favorite website "invisible" unless it's one of the corporate-favored. They declare that it will shelter



**DON'T TREAD ON MY INTERNET**

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# institutional problems

World Bitcoin Association Files for Bankruptcy in New York ...

(Bloomberg) — The World Bitcoin Association sought bankruptcy protection in Manhattan. The organization listed less than \$300,000 in liabilities in a filing Monday in U.S. Bankruptcy Court.

[bloomberg.com/news/articles/2015-03-17/world-bitcoin-as...](https://www.bloomberg.com/news/articles/2015-03-17/world-bitcoin-as...)

Dissent Lingers as Bitcoin Foundation Denounces Bankruptcy Threat

The Bitcoin Foundation board of directors has issued a new statement on the controversy surrounding its current financial situation and proposed restructuring.

[coindesk.com/dissent-lingers-bitcoin-foundation-bankru...](https://www.coindesk.com/dissent-lingers-bitcoin-foundation-bankru...)

Bitcoin Miner Aquifer Files for Chapter 11 Bankruptcy

California-based bitcoin mining company and MegaBigPower franchisee Aquifer LLC has filed for Chapter 11 bankruptcy protection.

[coindesk.com/bitcoin-miner-aquifer-files-for-chapter-11...](https://www.coindesk.com/bitcoin-miner-aquifer-files-for-chapter-11...)

Landlord fight leads to Bitcoin Center NYC bankruptcy filing ...

The symbolic center of bitcoin activity in New York City is filing for bankruptcy. But the reason may not reflect so poorly on the cryptocurrency itself as it first seems.

[bizjournals.com/newyork/news/2015/03/19/bitcoin-center-ny...](https://www.bizjournals.com/newyork/news/2015/03/19/bitcoin-center-ny...)

**expensive**

**ponderous**

**inscrutable**

**powerful**

**monopolistic**

**corruptible (“capture”)**

“production by peers ...  
without hierarchical  
model ... the academic  
enterprise and in  
particular science”

— Benkler



# invisibility

## resources & constraints



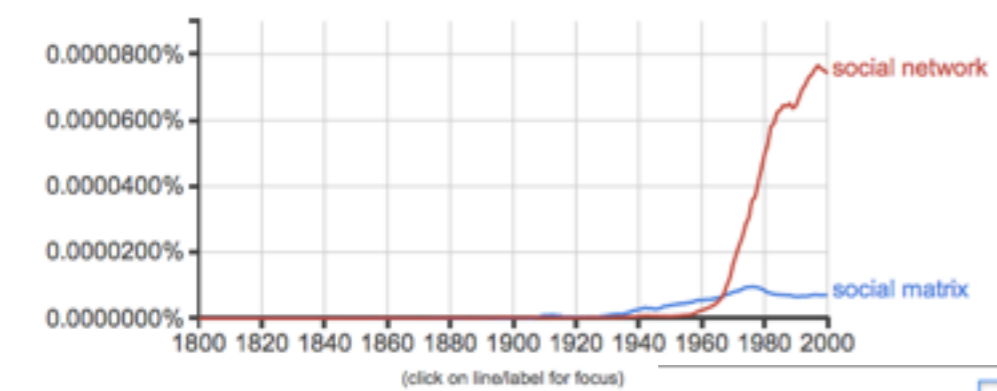
# the “information production system”

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“Peer production offers rich material for empirical studies into collaborative behavior, measurement and comparison of the relative importance of peer production in our information production system ...” —Benkler

Graph these comma-separated phrases:

between  and  from the corpus  with smoothing of



Graph these comma-separated phrases:

between  and  from the corpus  with smoothing of



Graph these comma-separated phrases:

between  and  from the corpus  with smoothing of



Graph these comma-separated phrases: social matrix, social network

between 1900 and 1950 from the corpus English with smoothing of 3



back to me

**ngram** - how/when reliable

Google books Ngram Viewer

Graph these comma-separated phrases:

social matrix, social network

☐ case-insensitive

between 1850 and 1920

from the corpus

English

with smoothing of 3

Search lots of books



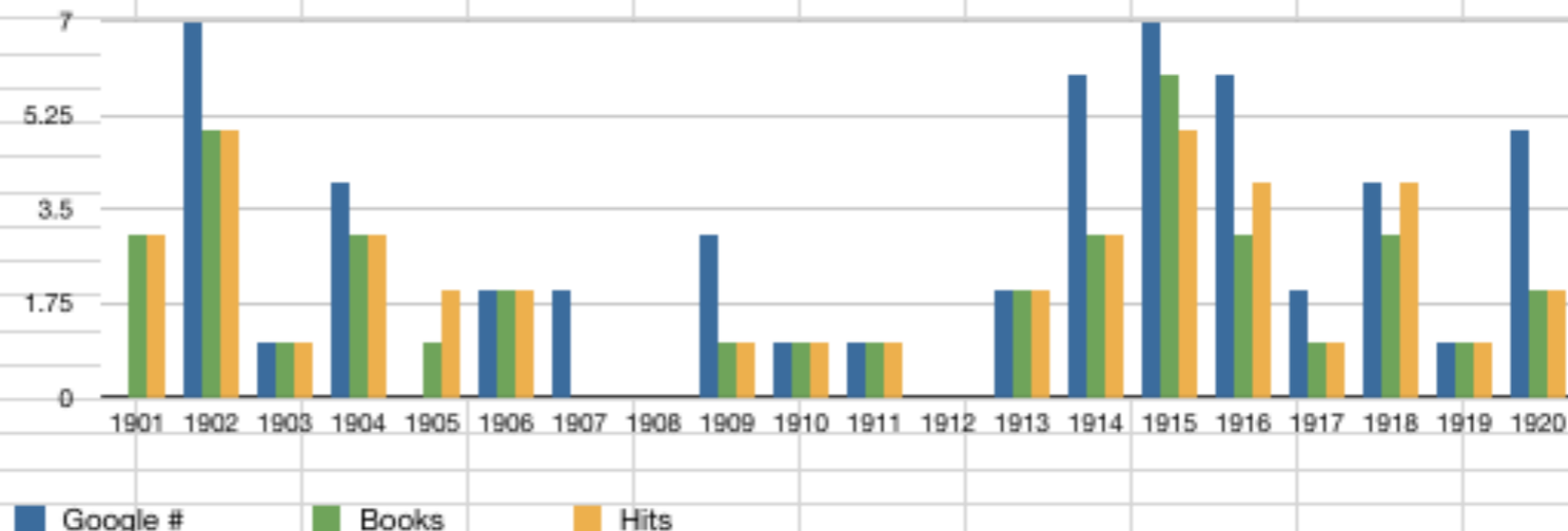
false positives  
 false negatives  
 misnamed  
 misdated  
 duplicate books  
 duplicate pages!

Pennsylvania State University, Instructional Film Research Program  
 Pennsylvania State College, 1918 - Audio-visual education  
 ★★★★★  
 0 Reviews

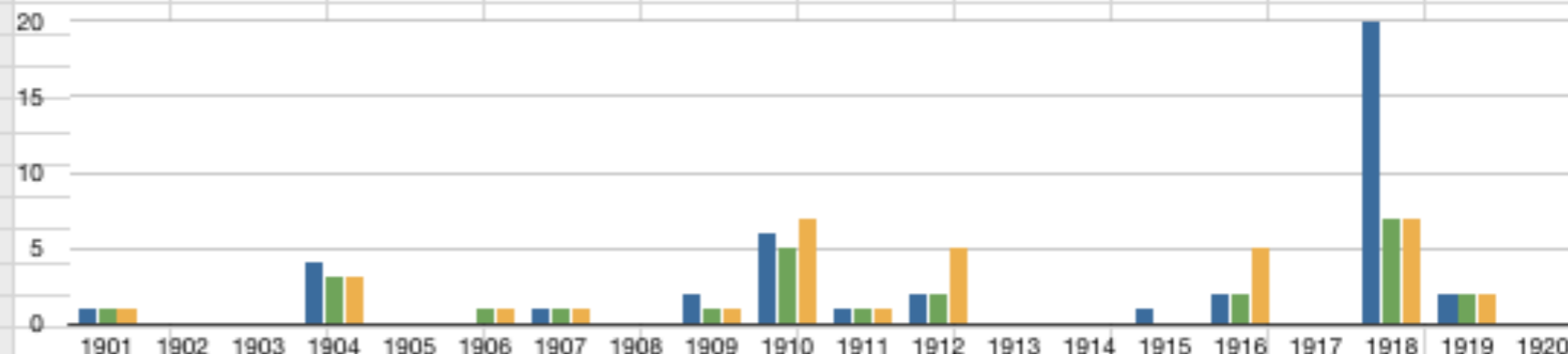
Human Engineering Report - Page B-1

# not just smoothing

### Chart 1



**Chart 8**



21 Collins Quality 15

# liberation ...

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## **Knut Hamsun's *Pan***

And when she comes, my heart knows all, and no longer beats like a heart, but rings as a bell. I lay my hand on her.

“Tie my shoe-string,” she says, with flushed cheeks. . . .”

The sun dips down into the sea and rises again, red and refreshed, as if it had been to drink. And the air is full of whisperings.



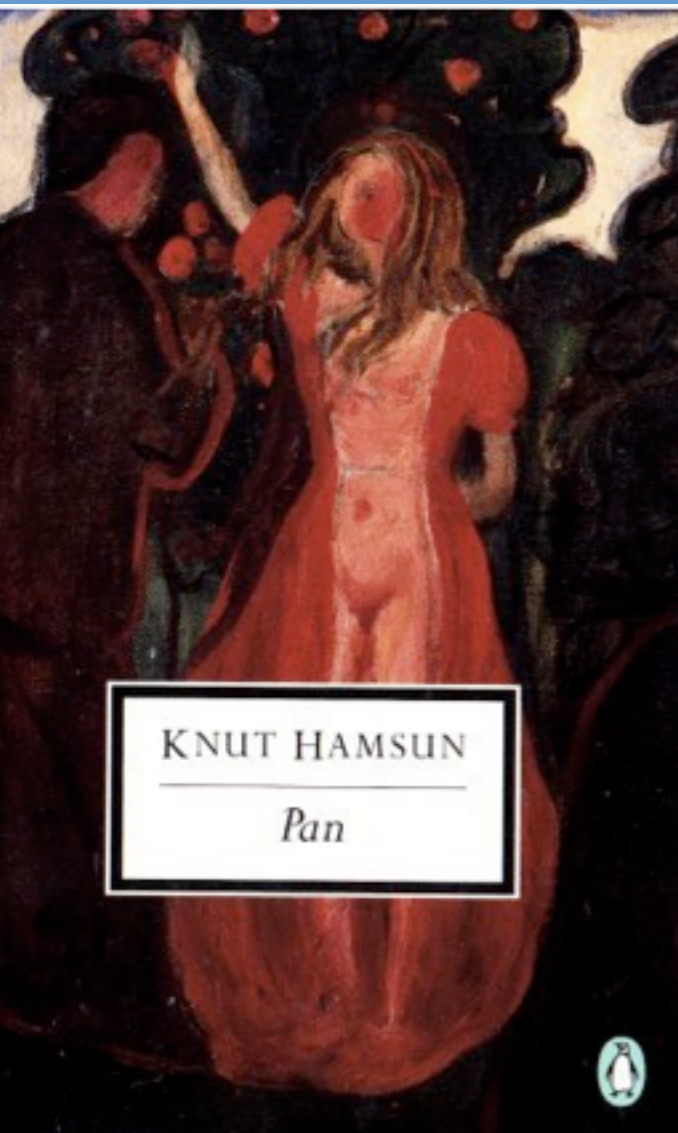


# ...or continued

The hunter, that's me, and she will give me a sign with her eyes to make me understand. And when she comes my heart understands all, and it no longer beats, it peals. And she is naked under her dress<sup>7</sup> from head to foot, and I lay my hand upon her.

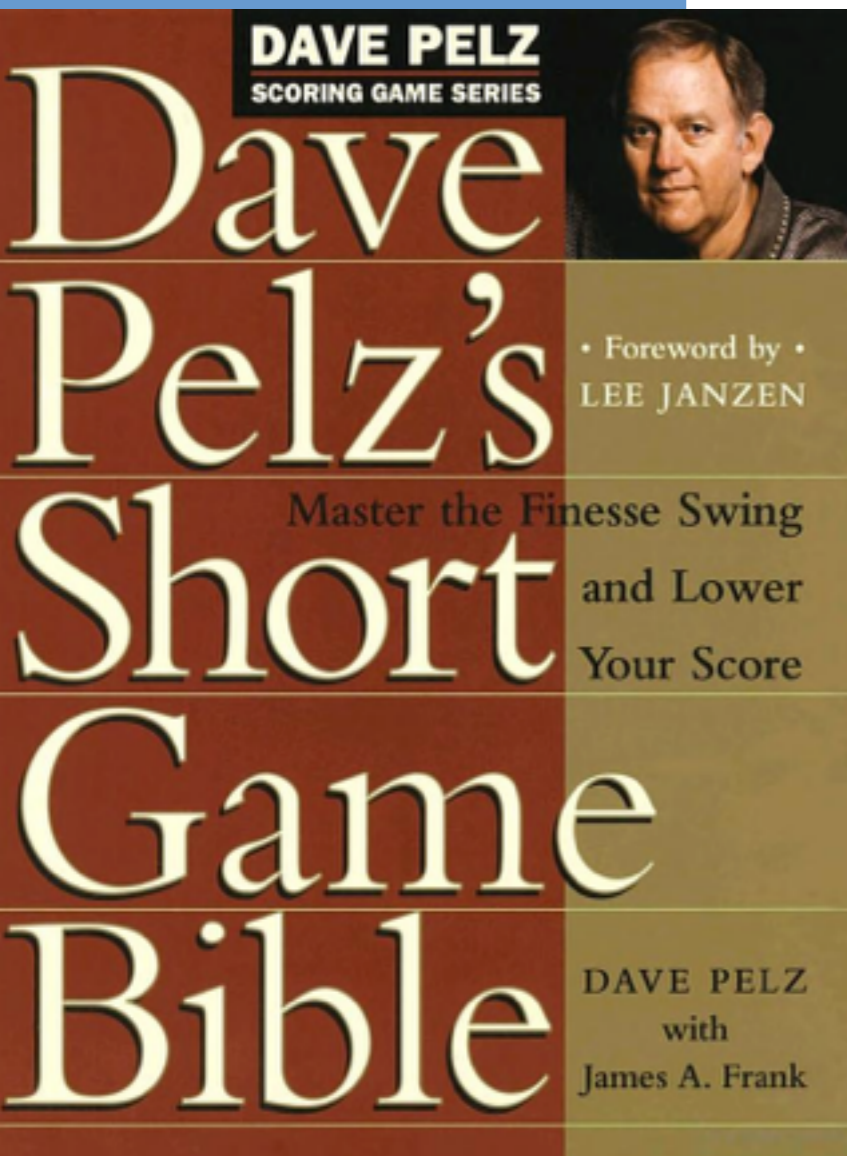
Tie my shoelace! she says with flaming cheeks. And a little later she whispers directly against my mouth, against my lips, Oh, you're not tying my shoelace, sweetheart, you're not tying . . . not tying my . . .

But the sun dips its disk into the sea and then rises again,





# information



## the common denominator

passionate about the topic ... how difficult it  
to find information in scholarly journals  
books ... passionate about this ... to  
organize the world's information ... here's a  
I was reading on the plane down ..."