

How dare you
molest the sea!

who are pirates?



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*Captain Bartho. Roberts with two Ships, Viz. the Royal Fortune and Ranger, takes
 in Sail in Whydah Road on the Coast of Guiney, January 11th 172 $\frac{1}{2}$.*

B. Cole sculp.



Captain Morgan®







“How dare you molest the whole world? Because I do it with a small boat, I am called a pirate and a thief. You, with a great navy, molest the world and are called an emperor.”





ROMAN ARTILLERY
QUINQUEREME
Celtic Onager (Ship)

With deck-mounted artillery pieces, these ships can rain down destruction on the enemy.

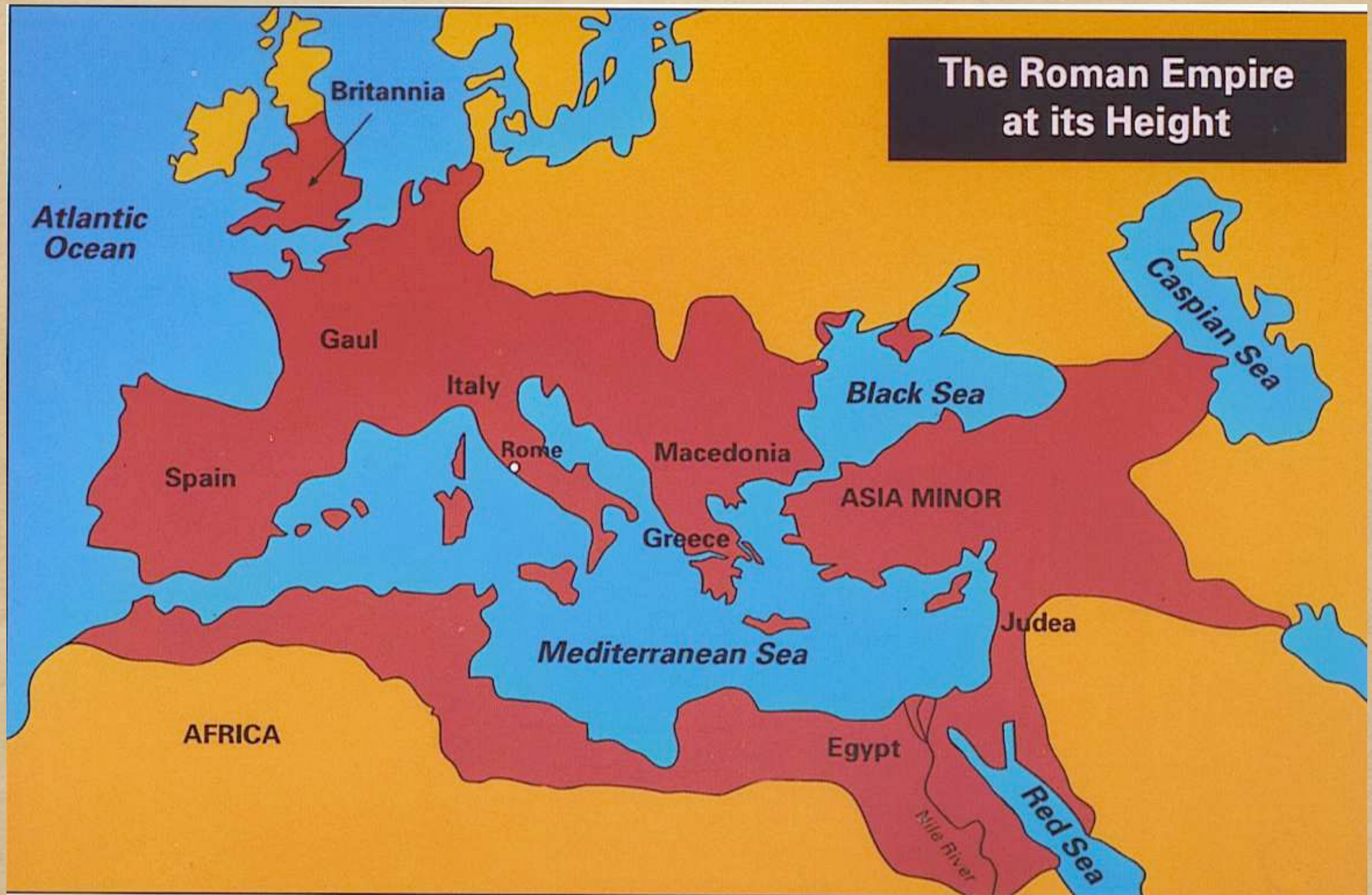
While generals sneer at enemy onagers, their soldiers do not.

40 (40) 0 XP:

Ship Health	817
Ship Speed	6
Missile Damage	200
Range	350
Shots Per Minute	3
Melee Attack	12
Weapon Damage	16
Melee Defence	4
Armour	10
Health	30

Roman Artillery Quinquereme, Celtic Onager (Ship) 40/40

The Roman Empire at its Height



Golden Age of Piracy

~1650 - mid 1720s



Greater Trade

Conflict of Empires

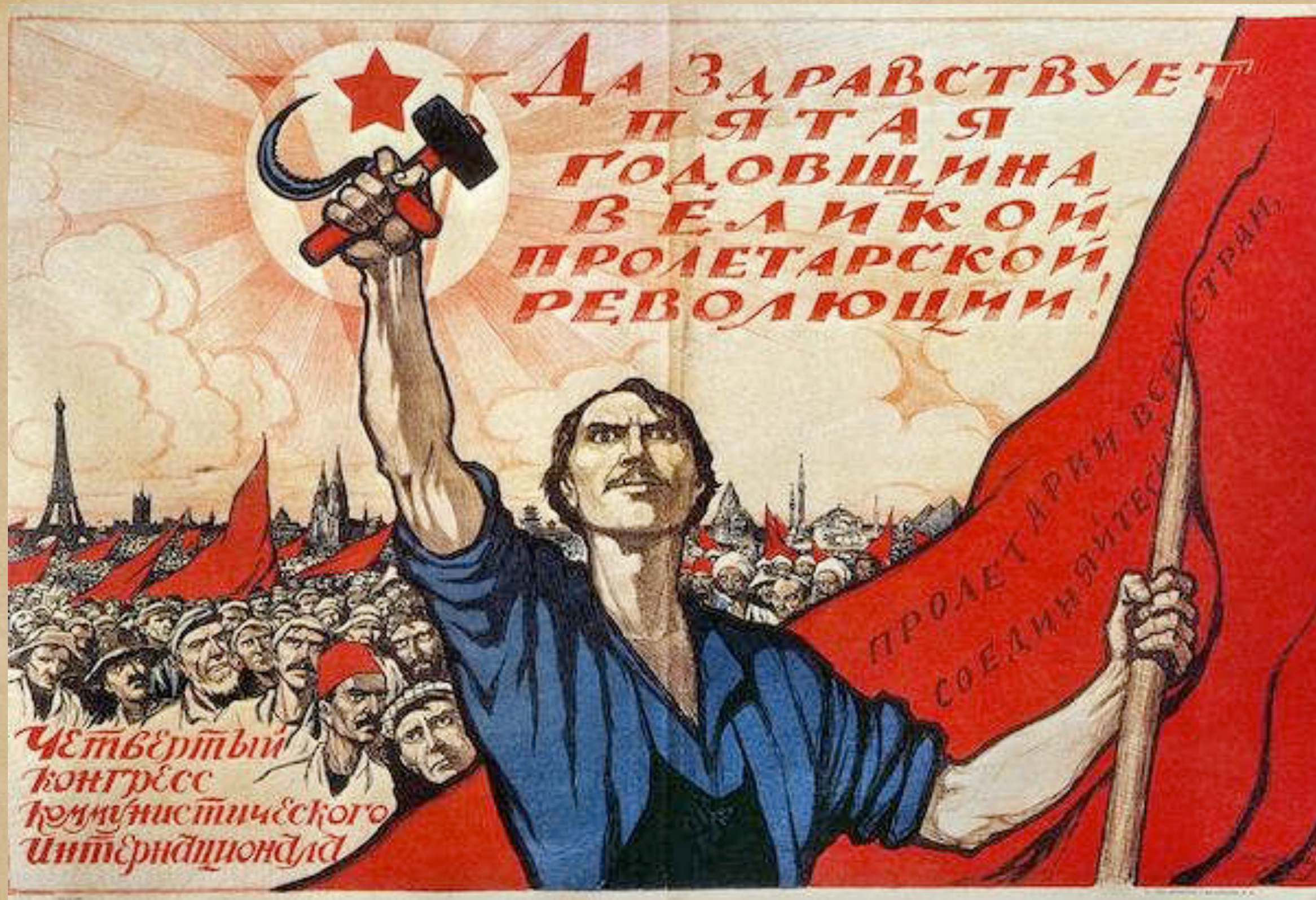
Opportunity!

Pirate Code

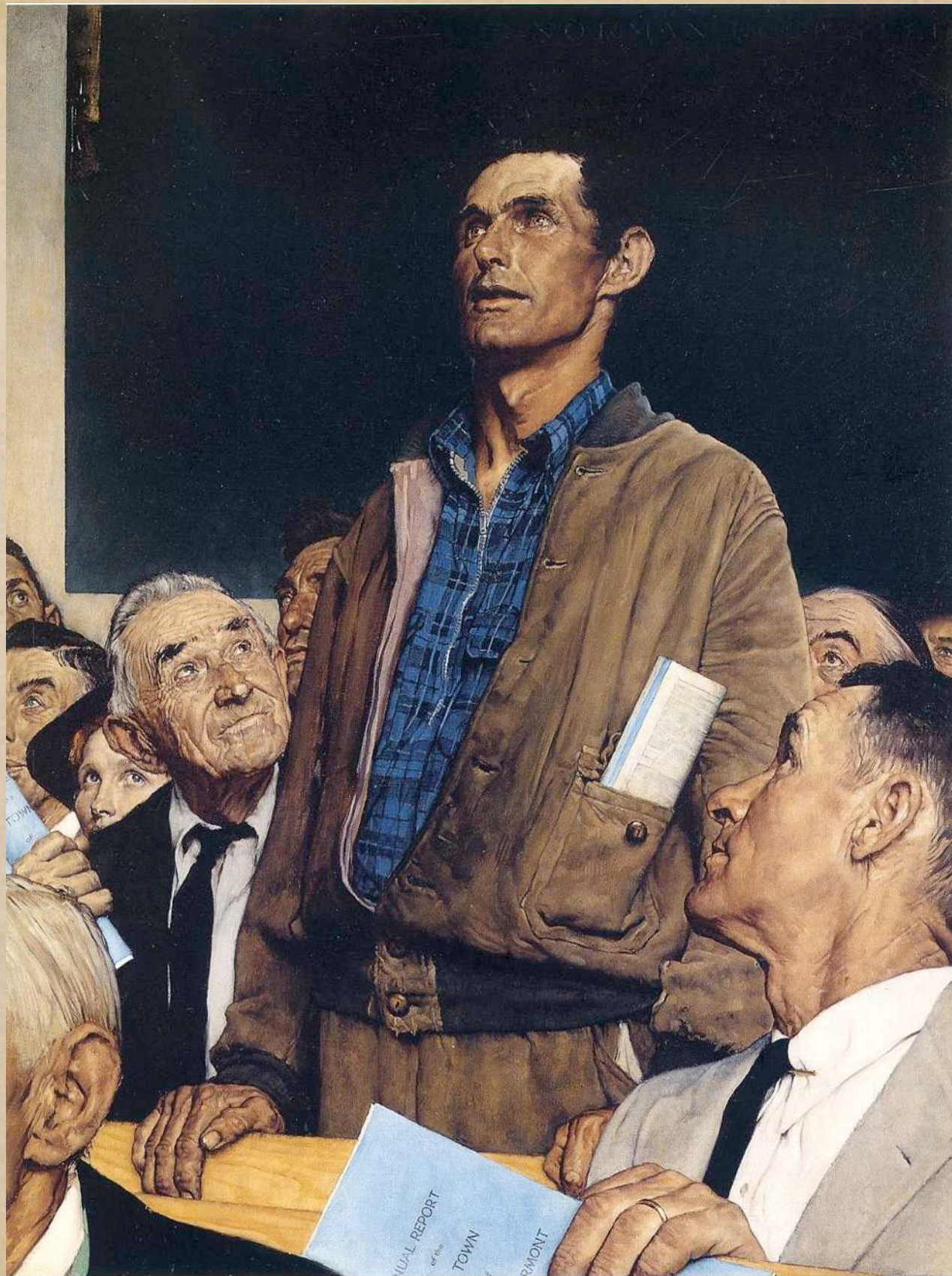
Every man has a
vote in affairs of
moment











Freedom of Speech, 1943



Captain: 2

Quartermaster: 2

Master: 1.5

Boatswain: 1.5

Gunner: 1.5

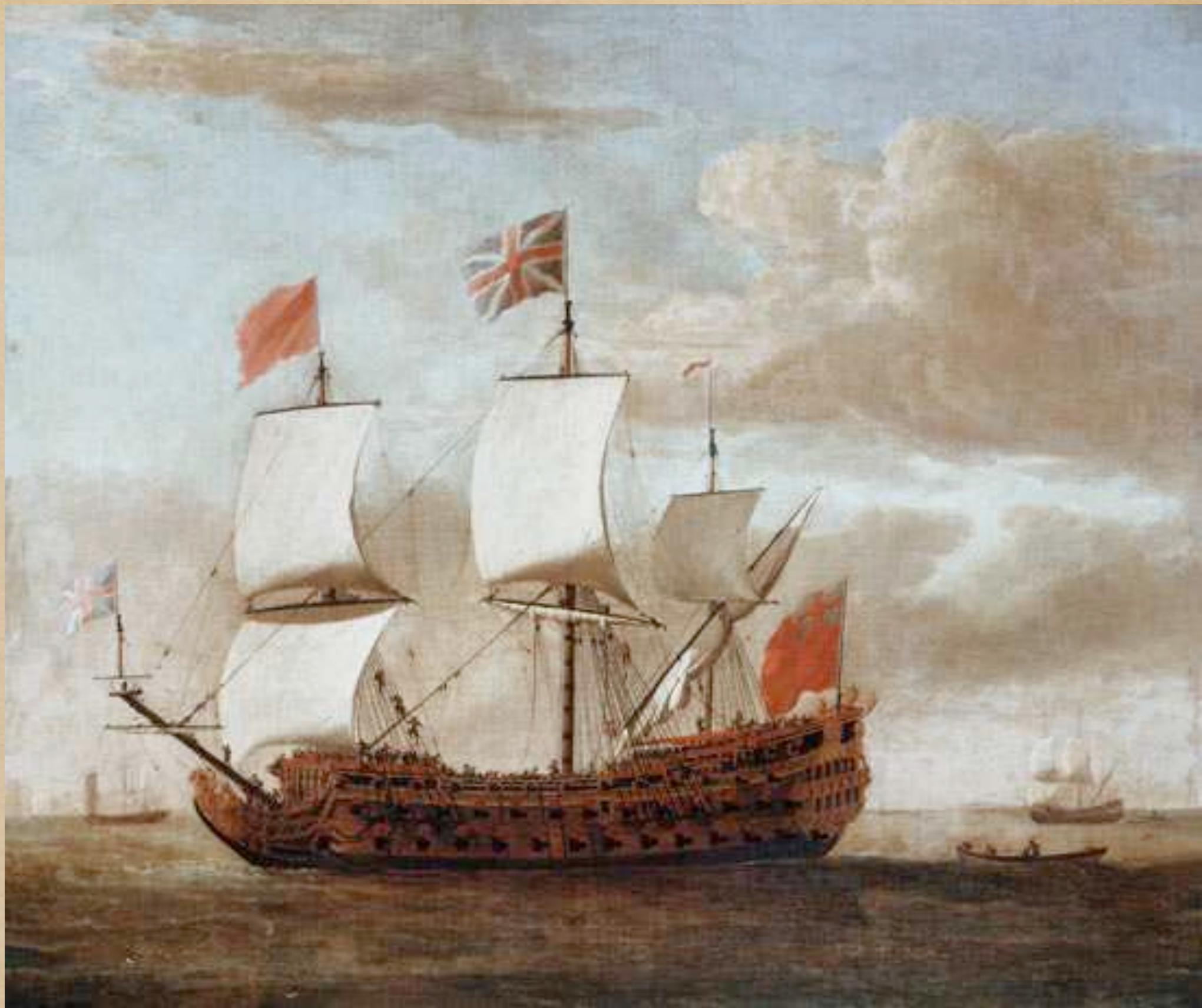
Other Crew: 1

Comparison chart using the share distribution known for three pirates against the shares for a Privateer and wages as paid by the Royal Navy.

Rank	Bartholomew Roberts	George Lowther	William Phillips	Privateer (Sir William Monson)	Royal Navy (per month)
Captain	2 shares	2 shares	1.5 shares	10 shares	£8, 8s
Master	1.5 shares	1.5 shares	1.25 shares	7 or 8 shares	£4
Boatswain	1.5 shares	1.25 shares	1.25 shares	5 shares	£2
Gunner	1.5 shares	1.25 shares	1.25 shares	5 shares	£2
Quartermaster	2 shares			4 shares	£1, 6s
Carpenter			1.25 shares	5 shares	£2
Mate		1.25 shares		5 shares	£2, 2s
Doctor		1.25 shares		5 shares	£5 +2d per man aboard
"Other Officers"	1.25 shares			various rates	various rates
Able Seamen (2 yrs experience)					22s
Ordinary Seamen (some exp)					19s
Landsmen (pressganged)	1 share	1 share	1 share		11s

Monopoly Power

Britannia Ruled
the Waves



Who are
pirates now?





**Terrorist
groups sell
pirate DVDs
to raise funds.**

Source: FACT: The Federation Against Copyright Theft.



Piracy is a crime. Report it: 0845 6034



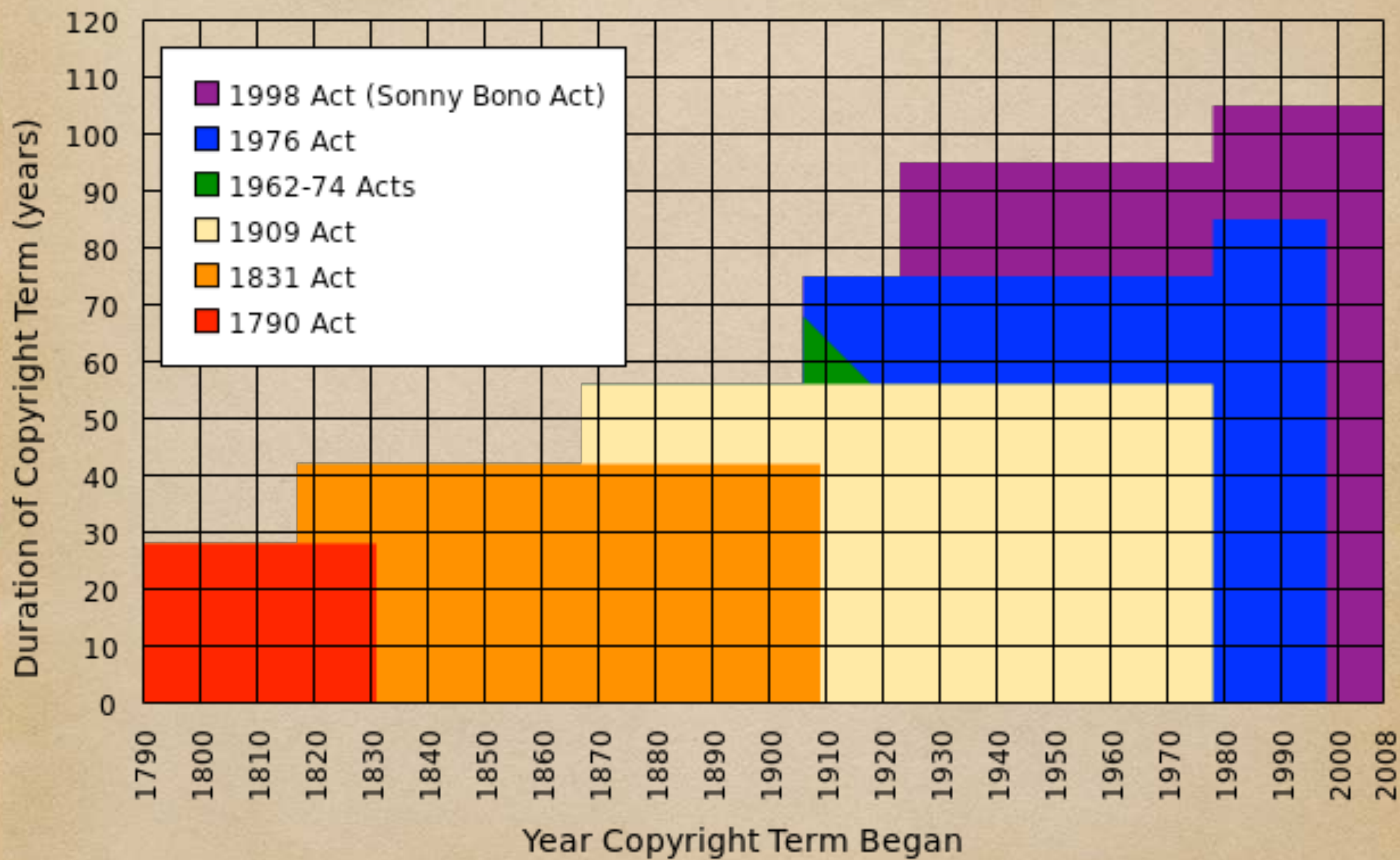
Sharing is Caring

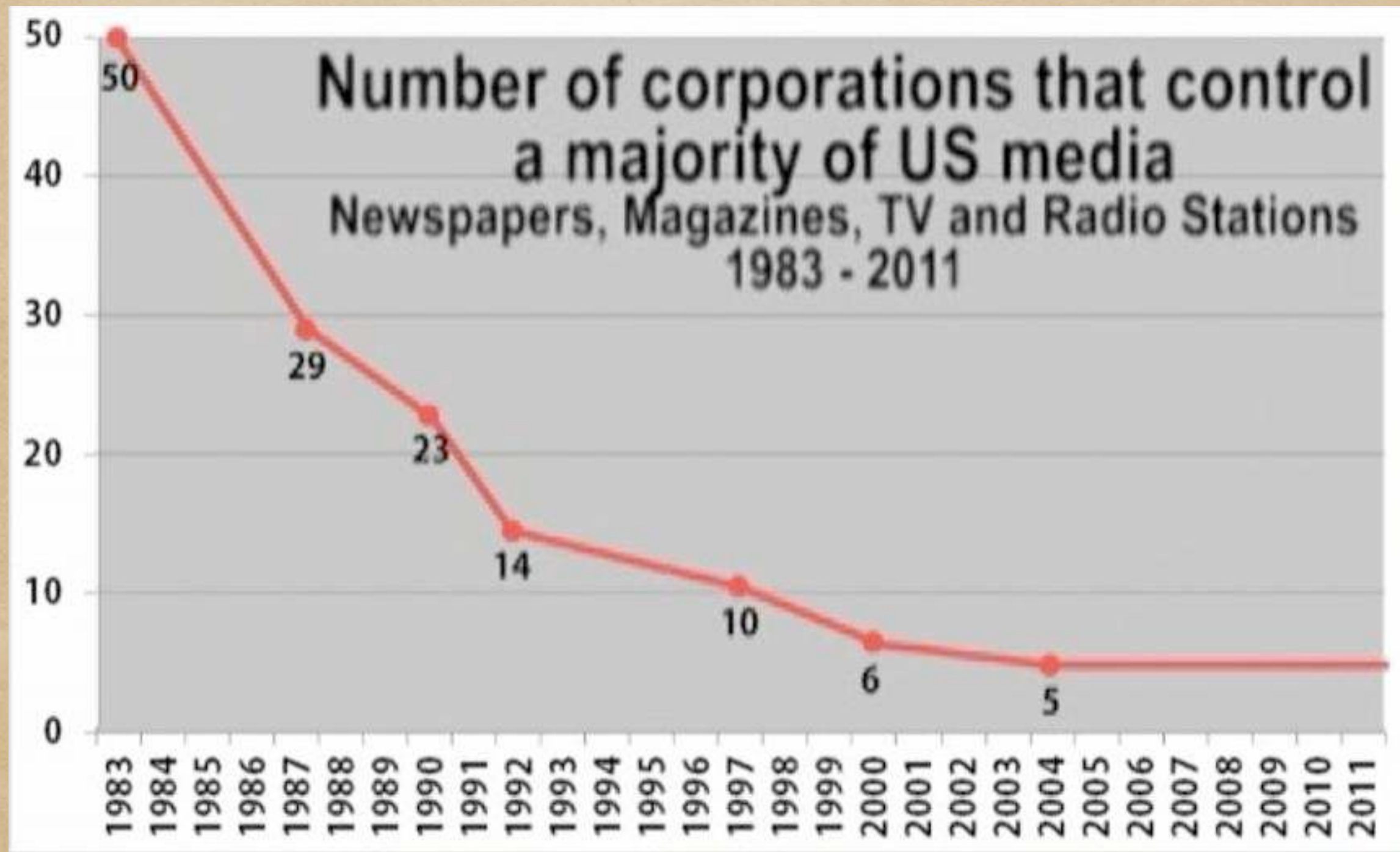


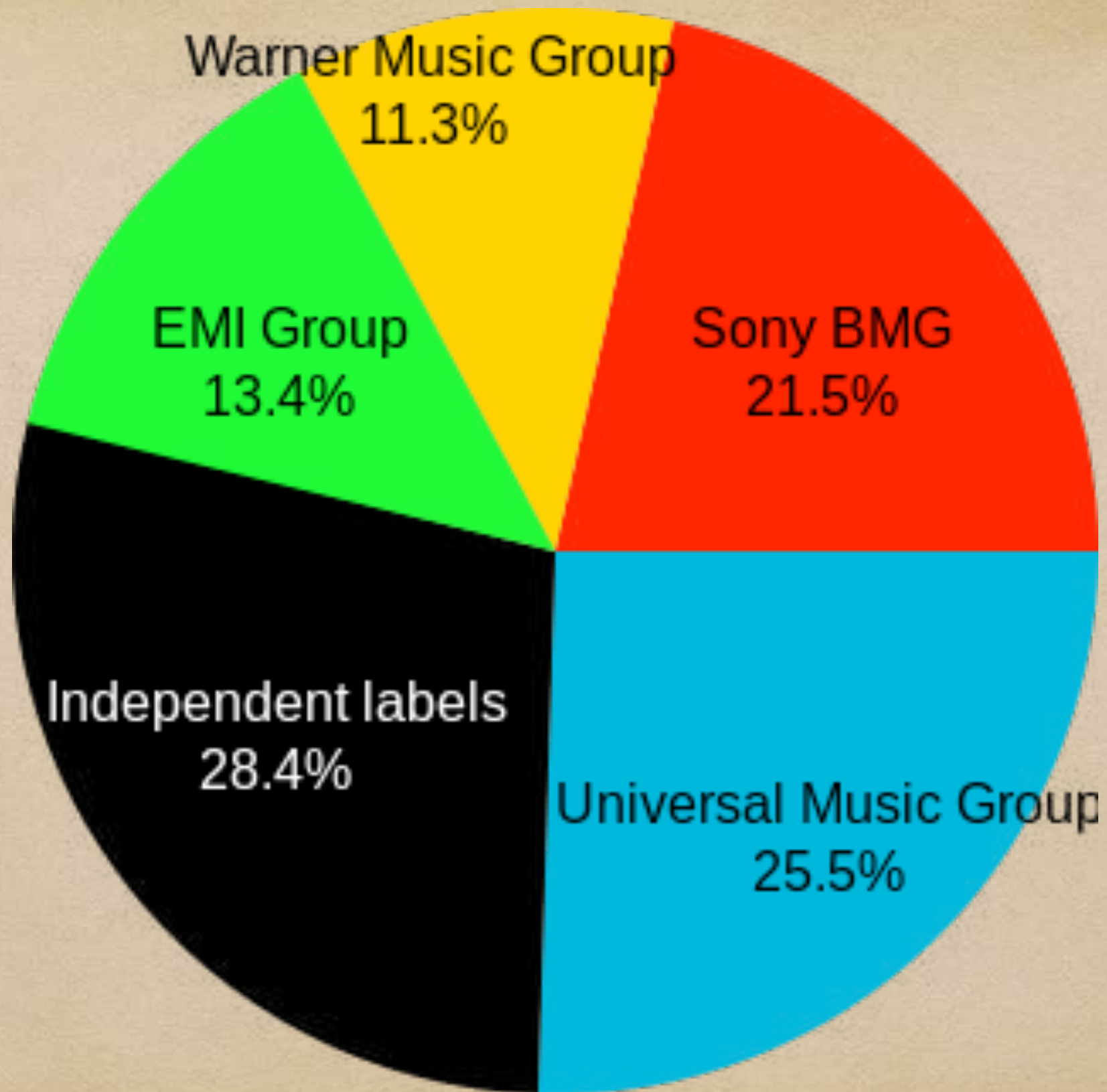




Threats to the New Pirates?

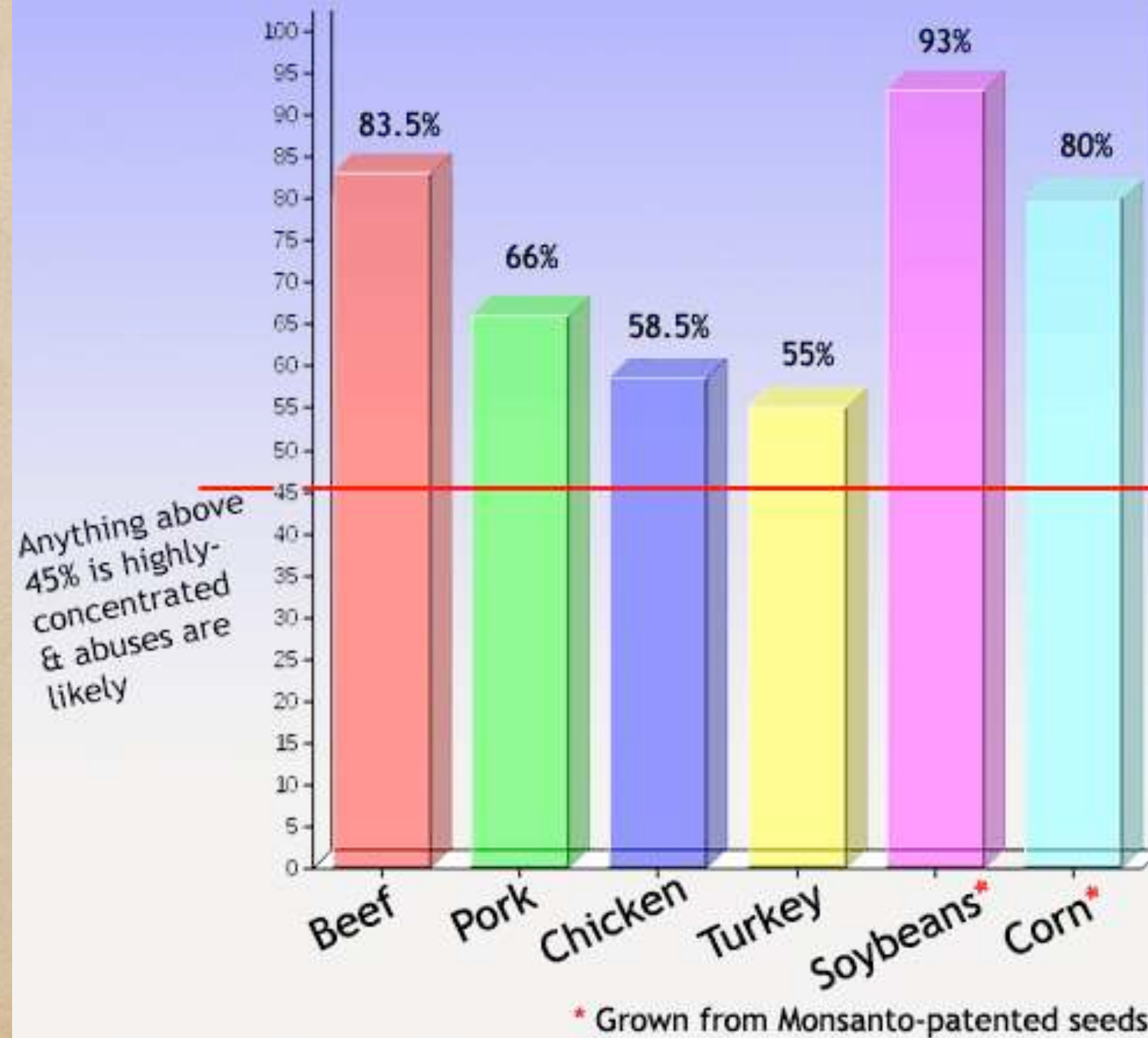






Corporate Concentration in Agriculture

Percentage controlled by four largest companies in each industry

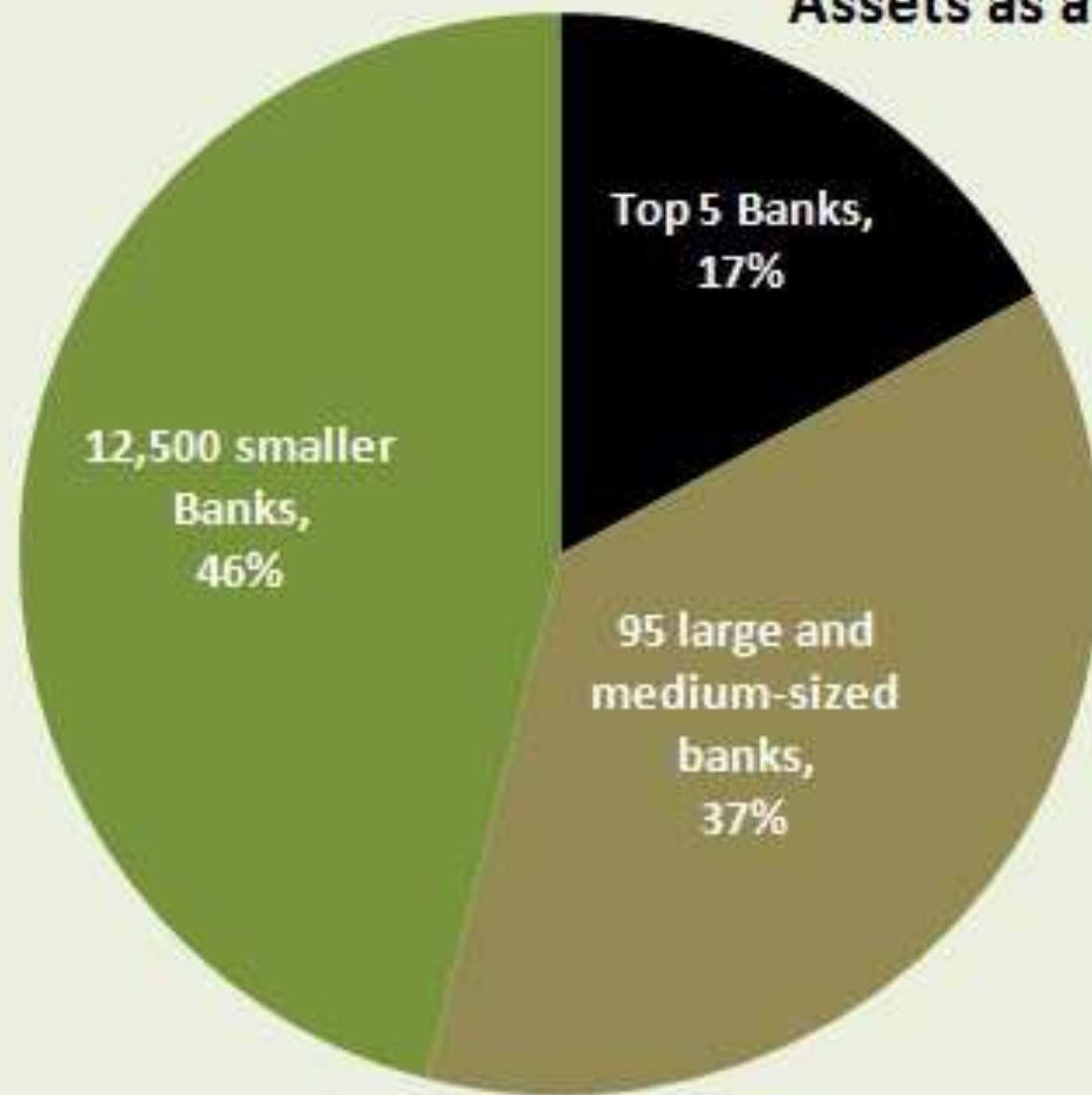


Concentration of US banking system

Total assets of top three US banks
as % of total commercial banking sector assets



Assets as a Percentage of Total Industry Assets in 1970

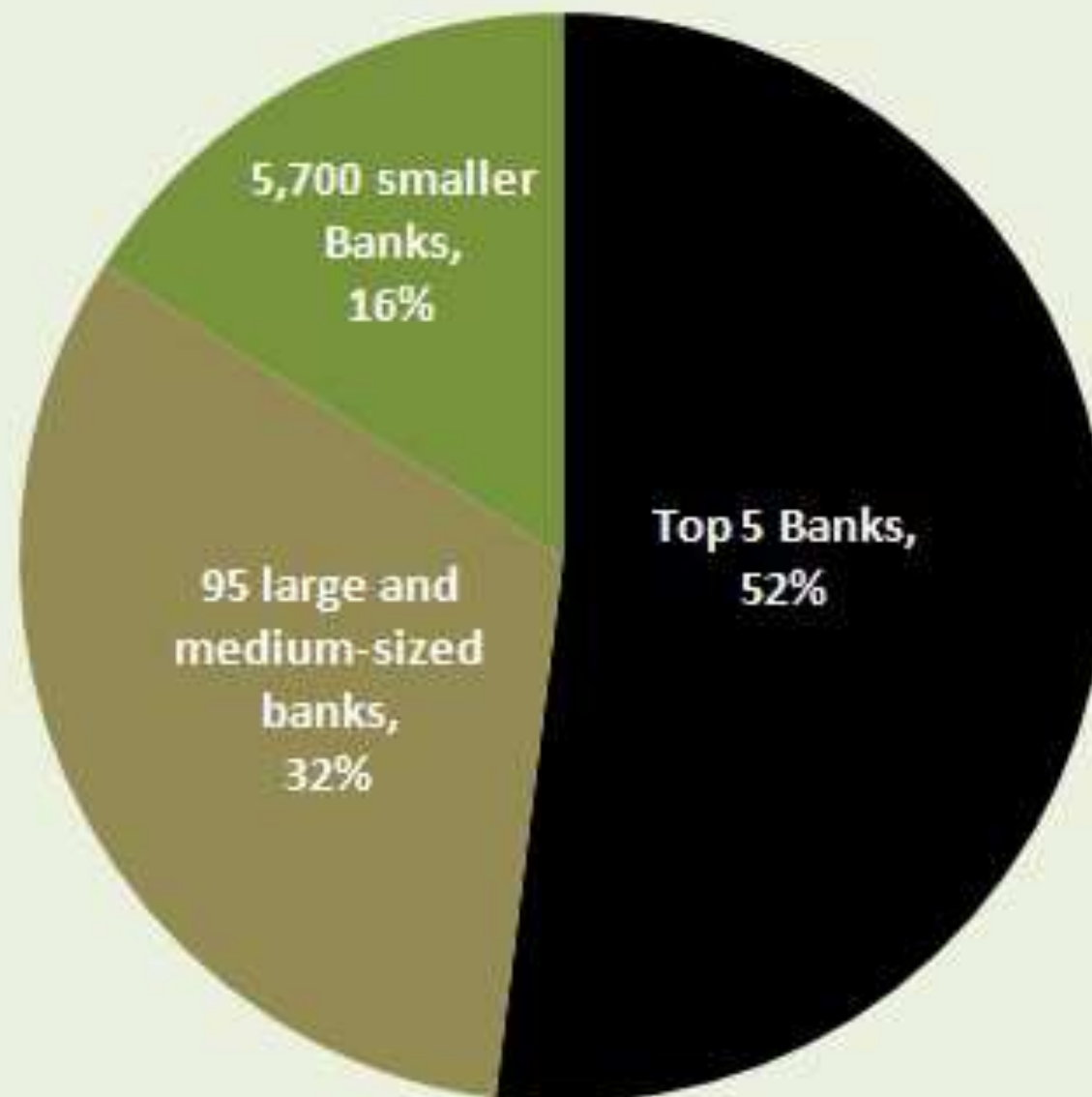


The top five banks just had 17% of the total industry assets and the industry was not highly concentrated to few large players

Source: 2011 Annual Report (Federal Reserve Bank of Dallas)

www.economicsfanatic.com

Assets as a Percentage of Total Industry Assets in 2010

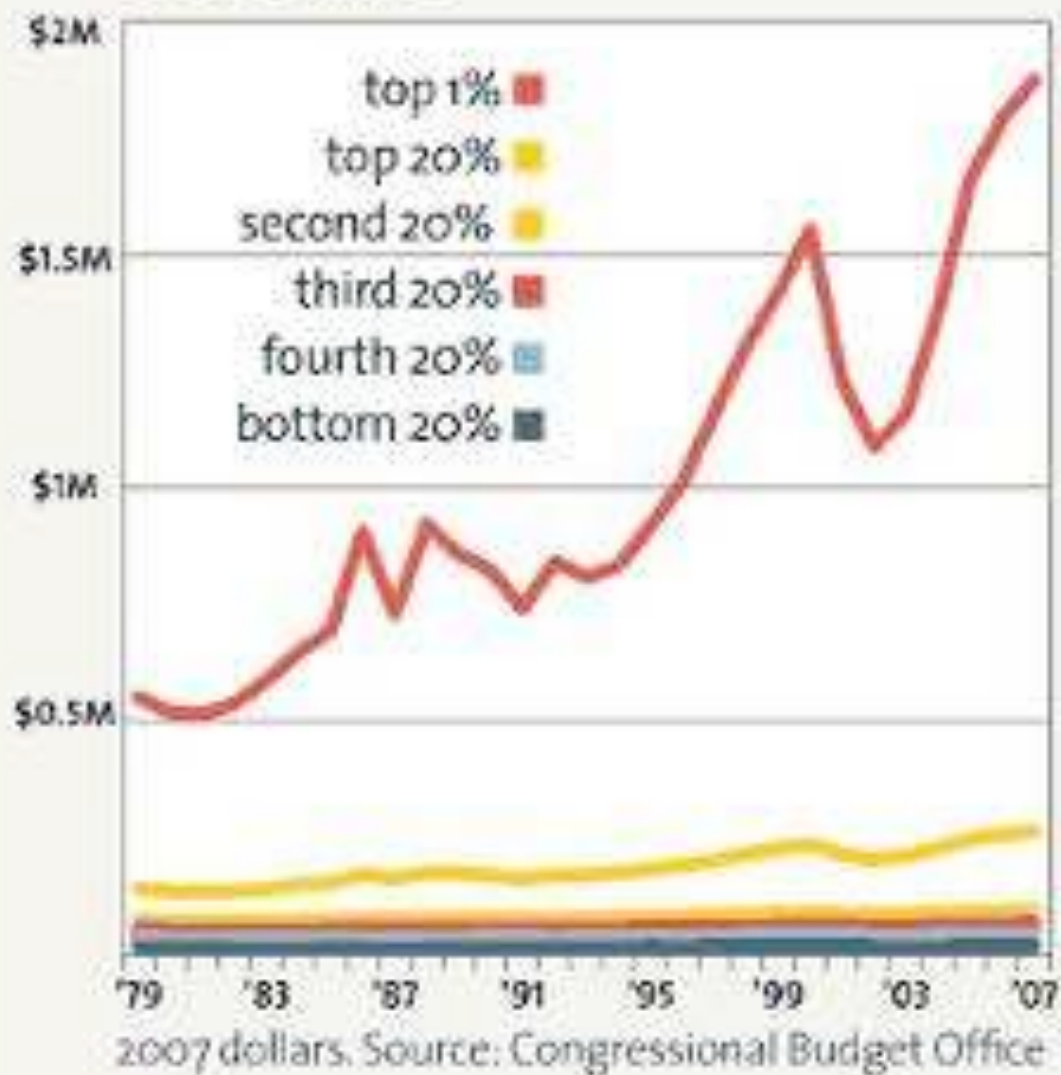


Highly concentrated banking system with top 5 banks having 52% of the Assets and top 100 banks having 84% of the Assets

Source: 2011 Annual Report (Federal Reserve Bank of Dallas)

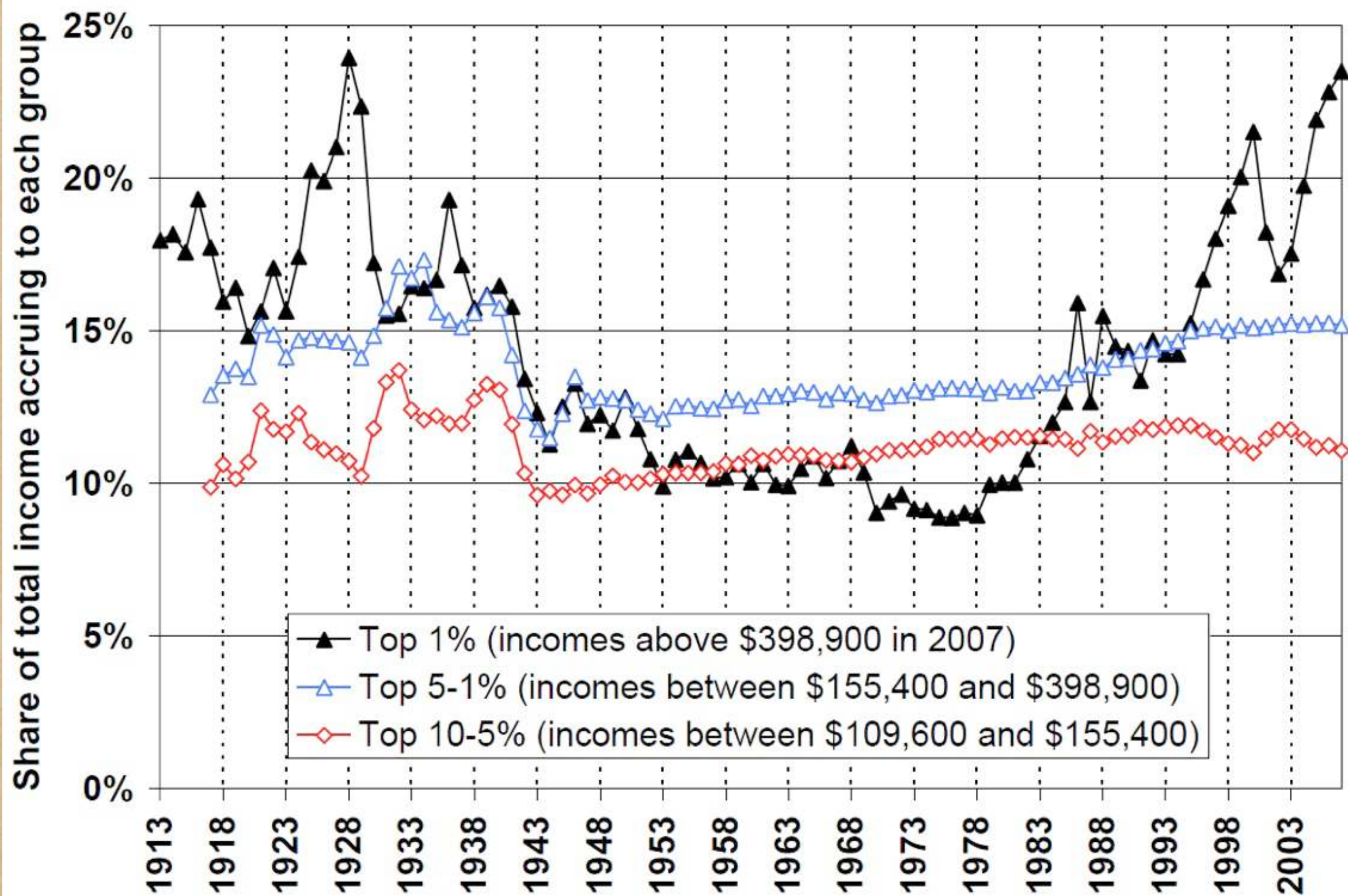
www.economicsfanatic.com

AVERAGE HOUSEHOLD INCOME before taxes

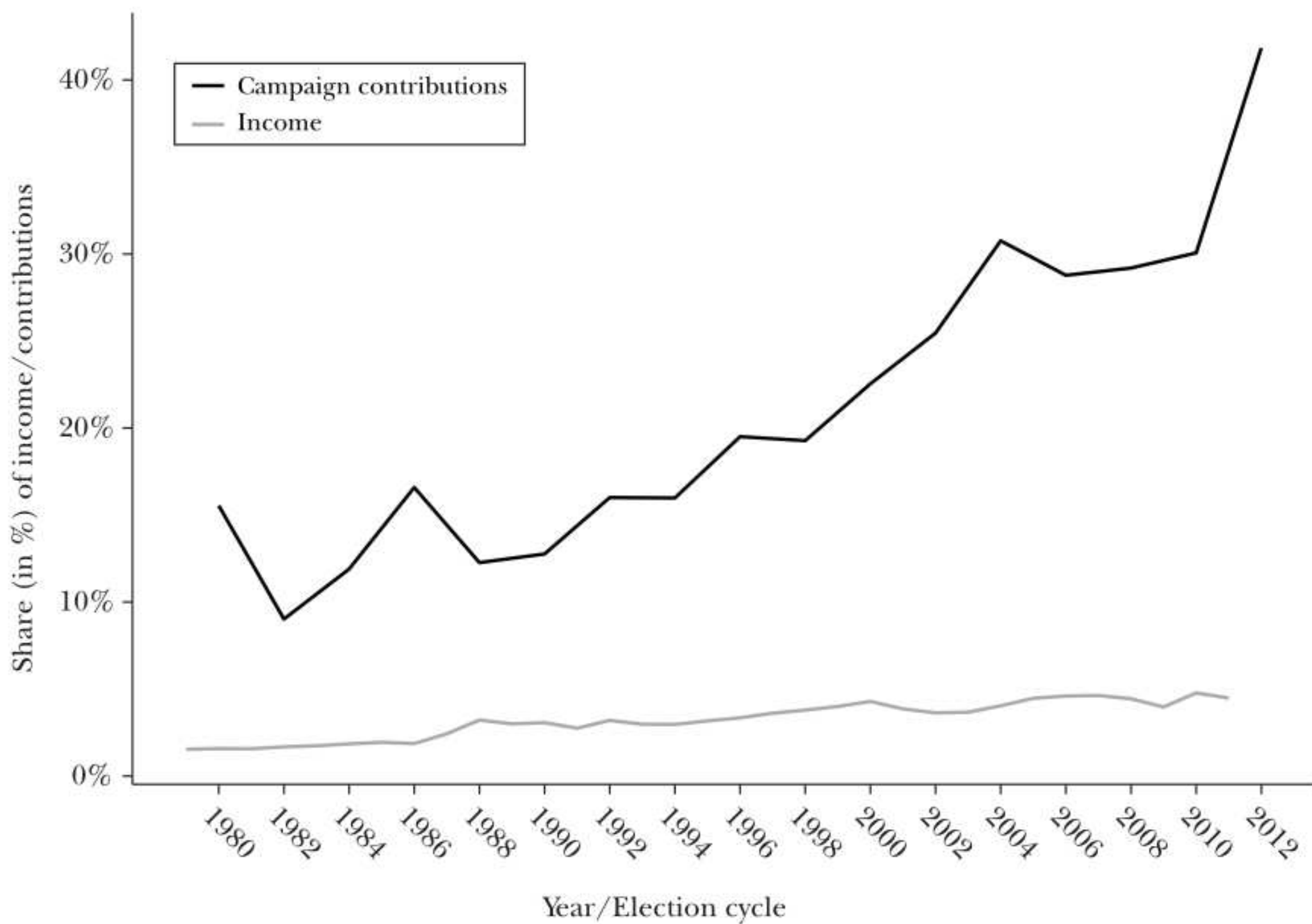


CHANGE IN SHARE OF INCOME vs. 1979, after taxes





Concentration of Income and Campaign Contributions in the Top 0.01 Percent of Households and Voting Age Population

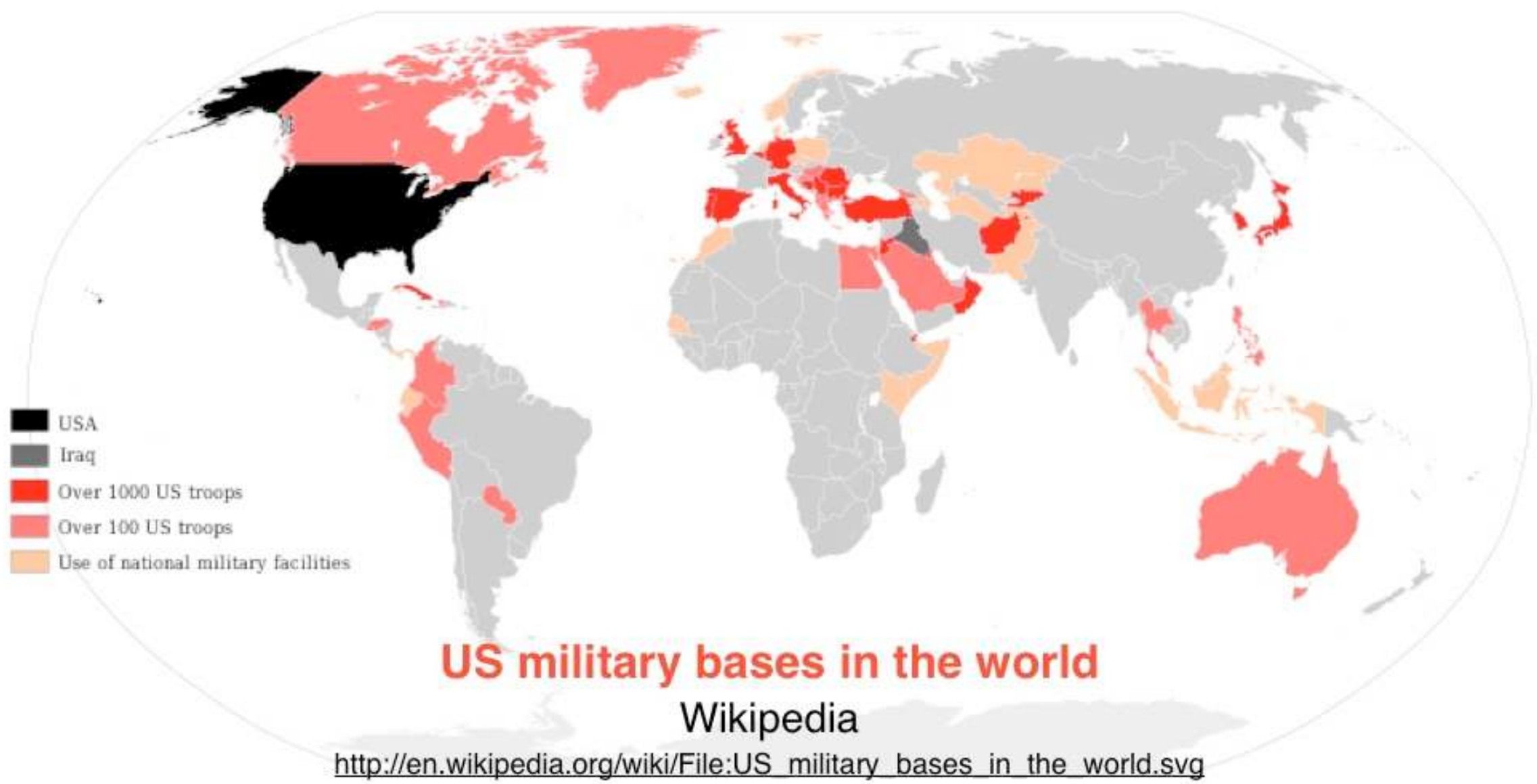


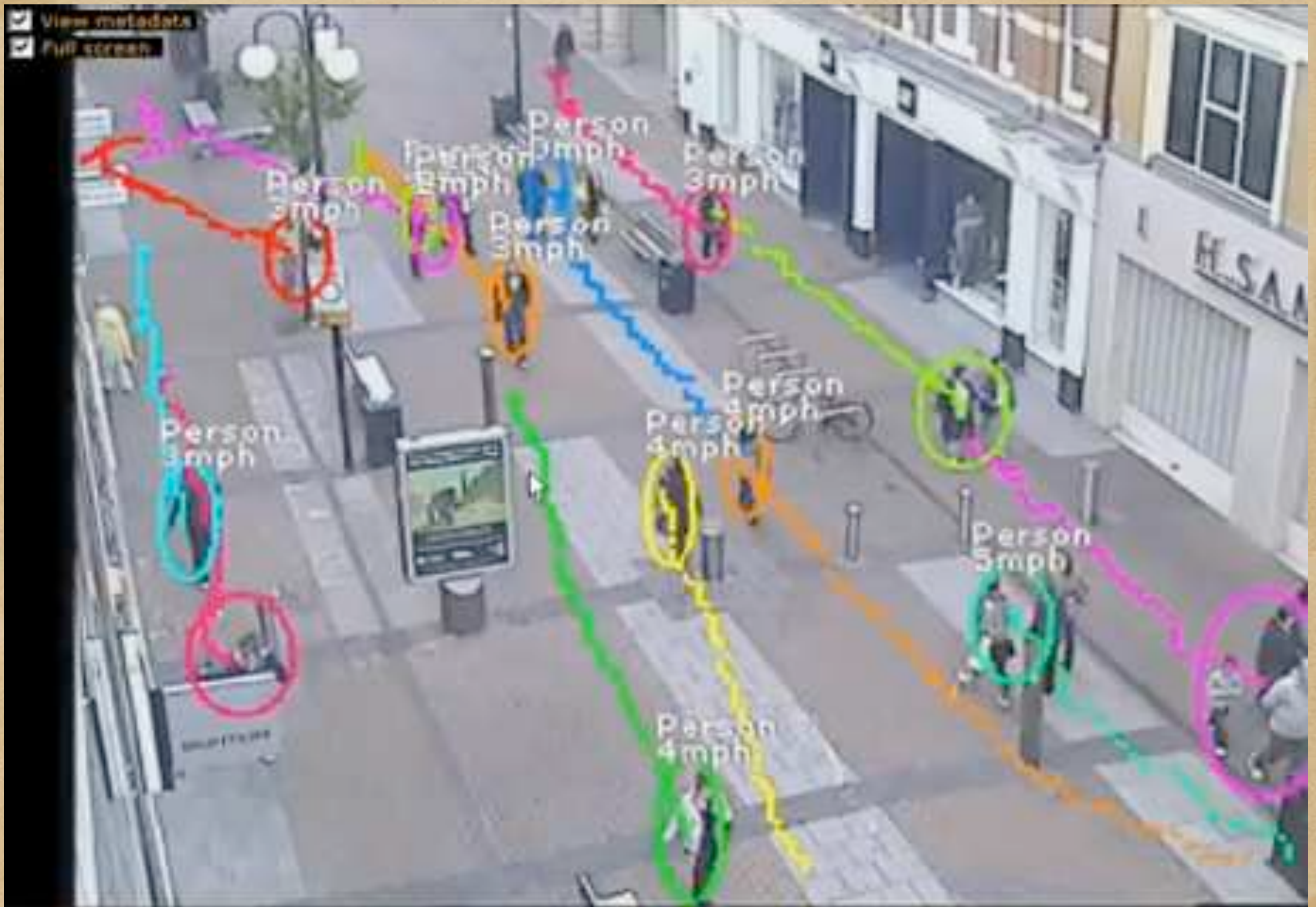
Median Net Worth of Current Members*

	All Members	House	Senate	Republicans	Democrats
2012	\$1,008,767	\$896,004	\$2,794,024	\$1,000,510	\$1,105,504
% Change from 2011	+4.4%	+4.6%	+10.8%	+10.3%	+11.6%

OpenSecrets.org
Center for Responsive Politics

*As of Dec. 31 2012







facebook



Hotmail

YAHOO!

Google



skype

paltalk.com

YouTube

AOL mail

(TS//SI//NF)

PRISM Collection Details



Current Providers

- Microsoft (Hotmail, etc.)
- Google
- Yahoo!
- Facebook
- PalTalk
- YouTube
- Skype
- AOL
- Apple

What Will You Receive in Collection
(Surveillance and Stored Comms)?

It varies by provider. In general:

- E-mail
- Chat – video, voice
- Videos
- Photos
- Stored data
- VoIP
- File transfers
- Video Conferencing
- Notifications of target activity – logins, etc.
- Online Social Networking details
- **Special Requests**

Complete list and details on PRISM web page:
Go PRISMFAA

TOP SECRET//SI//ORCON//NOFORN



facebook



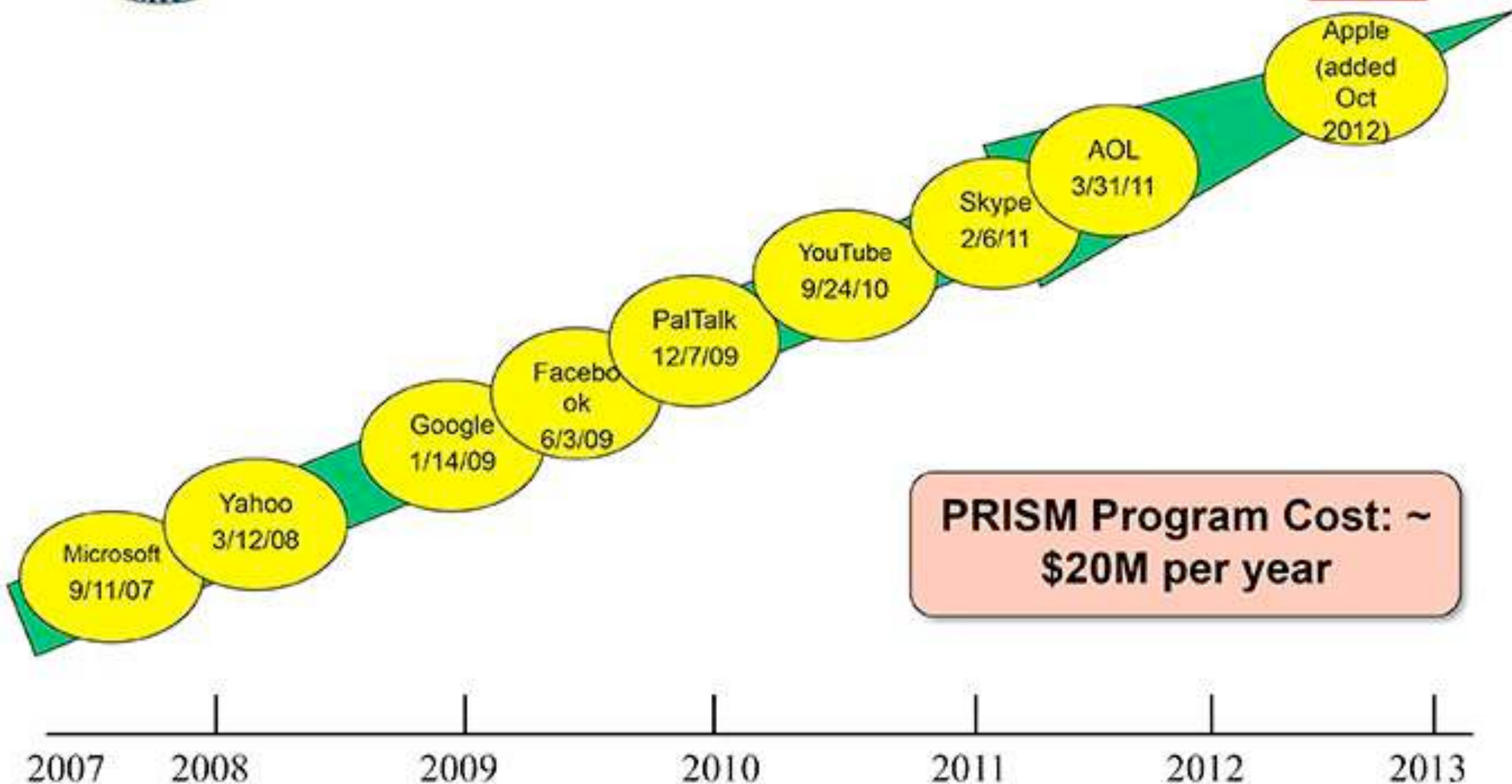
Hotmail

YAHOO!



AOL mail

(TS//SI//NF) Dates When PRISM Collection
Began For Each Provider



**PRISM Program Cost: ~
\$20M per year**

TOP SECRET//SI//ORCON//NOFORN

MARINA

	☐	Application
1	☐	eMail
2	☐	eMail
3	☐	eMail
4	☐	IM

<

Forward Contacts: ≤ 32

✓ Reverse Contacts: 6

✓ Sent Messages: 2

Received Messages: ≤ 29

Logins: ≤ 22

Passwords: 0

! ✗

Selector Summary: ≤ 16

Web Cam Photos: 0

✓ Equivalent IDs: 5

Page 1 of 1

	☐	Application
1	☐	eMail
2	☐	eMail
3	☐	eMail
4	☐	IM

QUANTUMTHEORY



- ⇒ (TS//SI//REL) Extremely powerful CNE/CND/CNA network effects are enabled by integrating our passive and active systems:
 - ⇒ *Resetting connections (QUANTUMSKY)*
 - ⇒ *Redirecting targets for exploitation (QUANTUMINSERT)*
 - ⇒ *Taking control of IRC bots (QUANTUMBOT)*
 - ⇒ *Corrupting file uploads/downloads (QUANTUMCOPPER)*
- ⇒ (TS//SI//REL) QUANTUMTHEORY dynamically injects packets into a target's network session to achieve CNE/CND/CNA network effects.
 - ⇒ **Detect**: TURMOIL passive sensors detect target traffic & tip TURBINE command/control.
 - ⇒ **Decide**: TURBINE mission logic constructs response & forwards to TAO node.
 - ⇒ **Inject**: TAO node injects response onto Internet towards target.
- ⇒ (TS//SI//REL) The propagation delay from tip-to-target determines the success rate of the network effect. **Less Latency = More Success!**

What is our
future?



BIG BROTHER



**IS WATCHING
YOU**

**ALDOUS
HUXLEY**

**BRAVE
NEW
WORLD**



Privacy or Security?

Which comes closer...

Americans need to
be willing to give up
privacy and freedom
in order to be safe
from terrorism

Americans shouldn't
have to give up privacy
and freedom in order to
be safe from terrorism

Age 18-29

21%

78

30-49

23

74

50-64

31

65

65+

33

62

PEW RESEARCH CENTER/USA TODAY

Music Files: Is it reasonable to... (US)

[AMONG THE 50% OF ADULTS WHO HAVE MUSIC FILES]

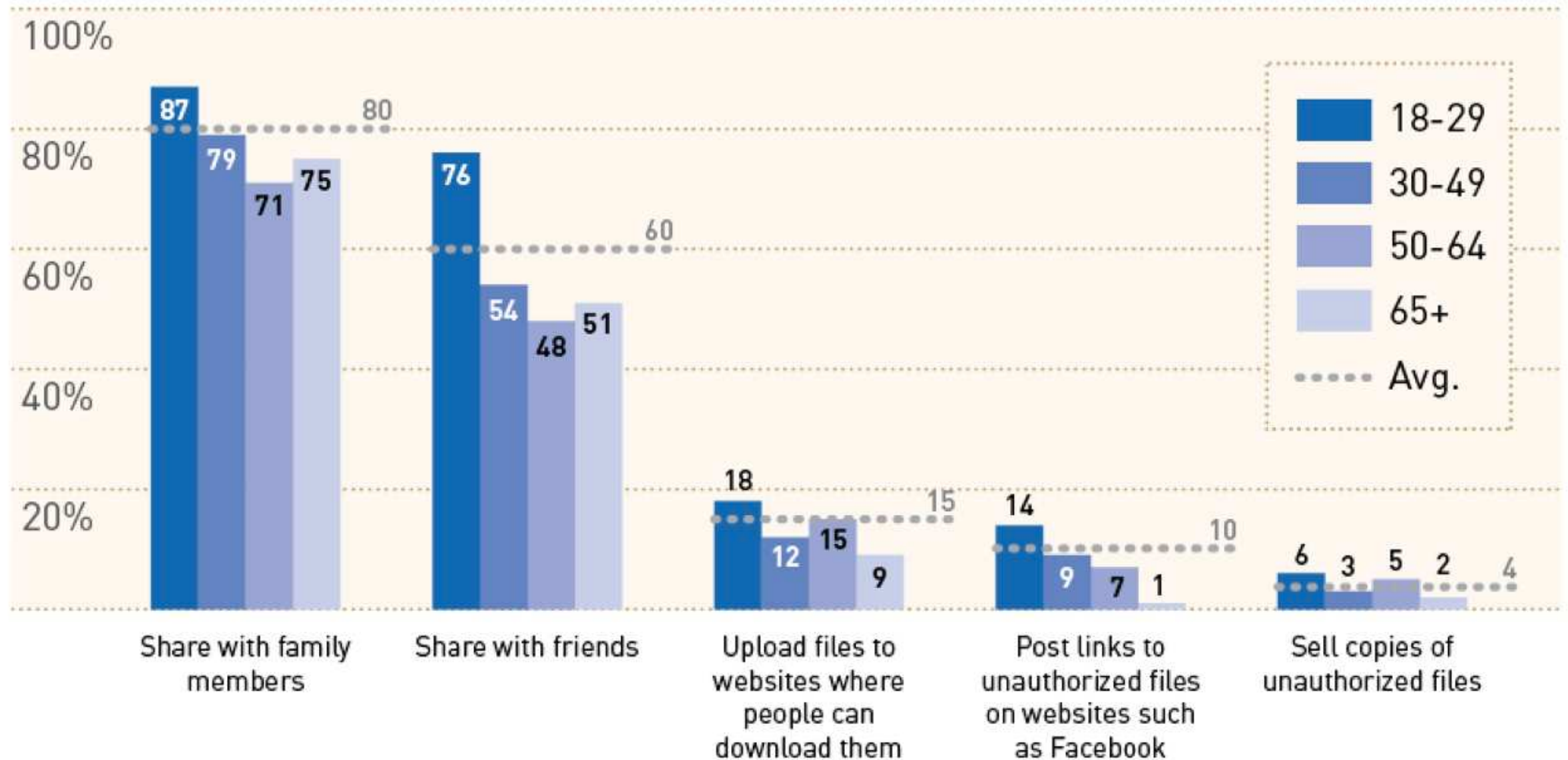
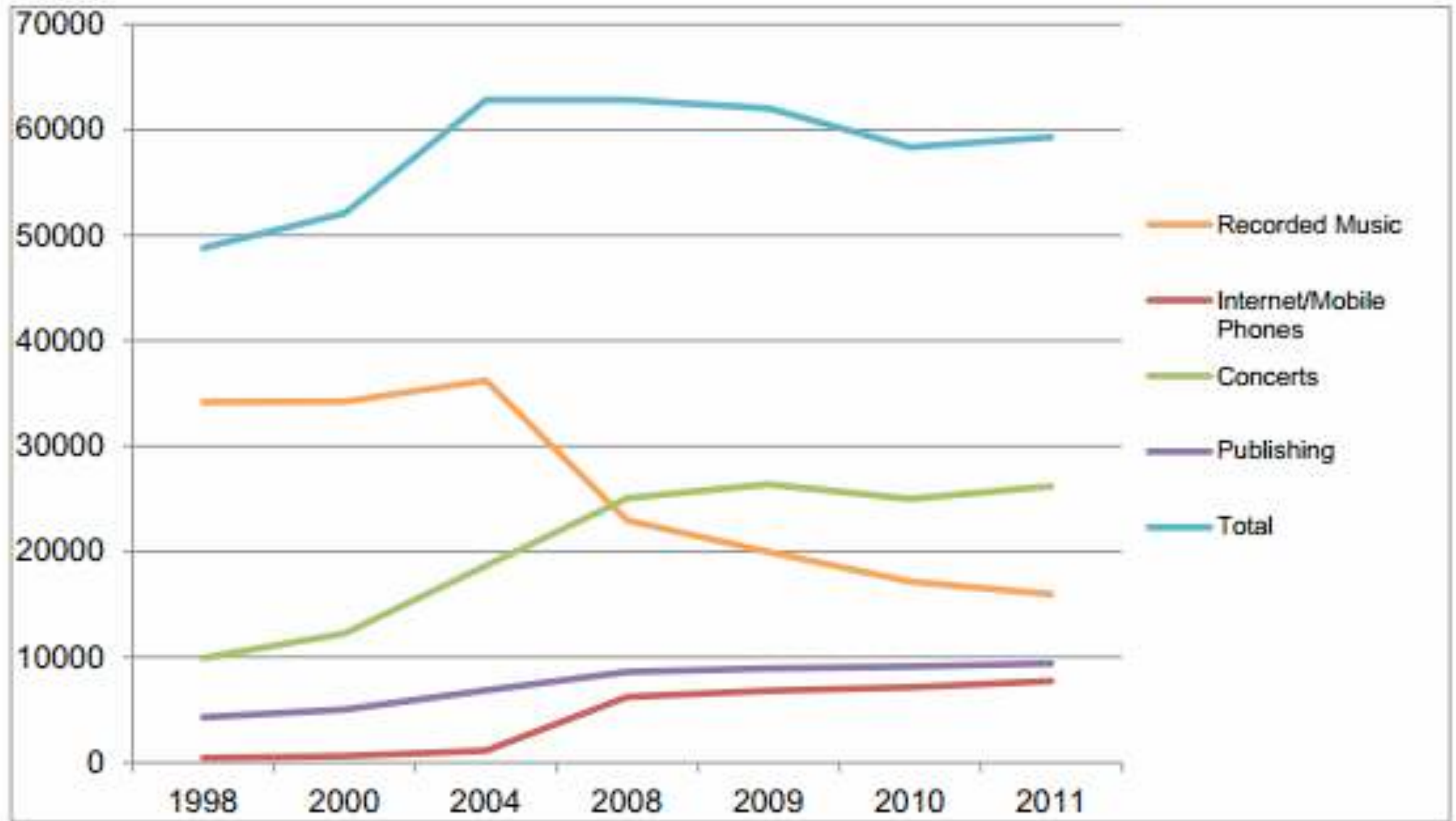
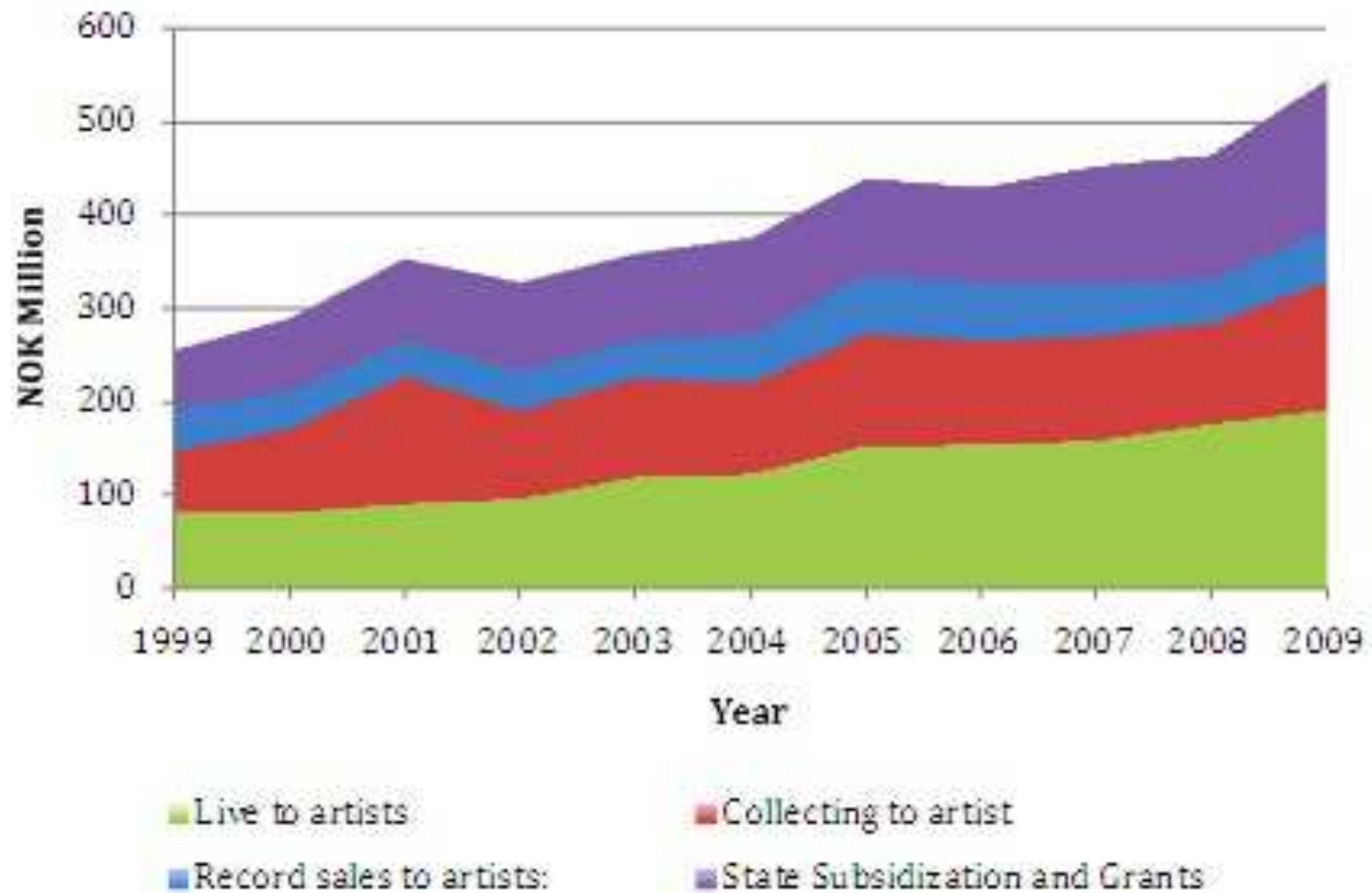


Figure 1: Trends in Total Revenue of the Music Industry, USD Million



Total Income with State Subsidizations and Grants for Norwegian Music Artists - Adjusted for Inflation



Music File Collections: P2P Users versus non-P2P Users (US and Germany)

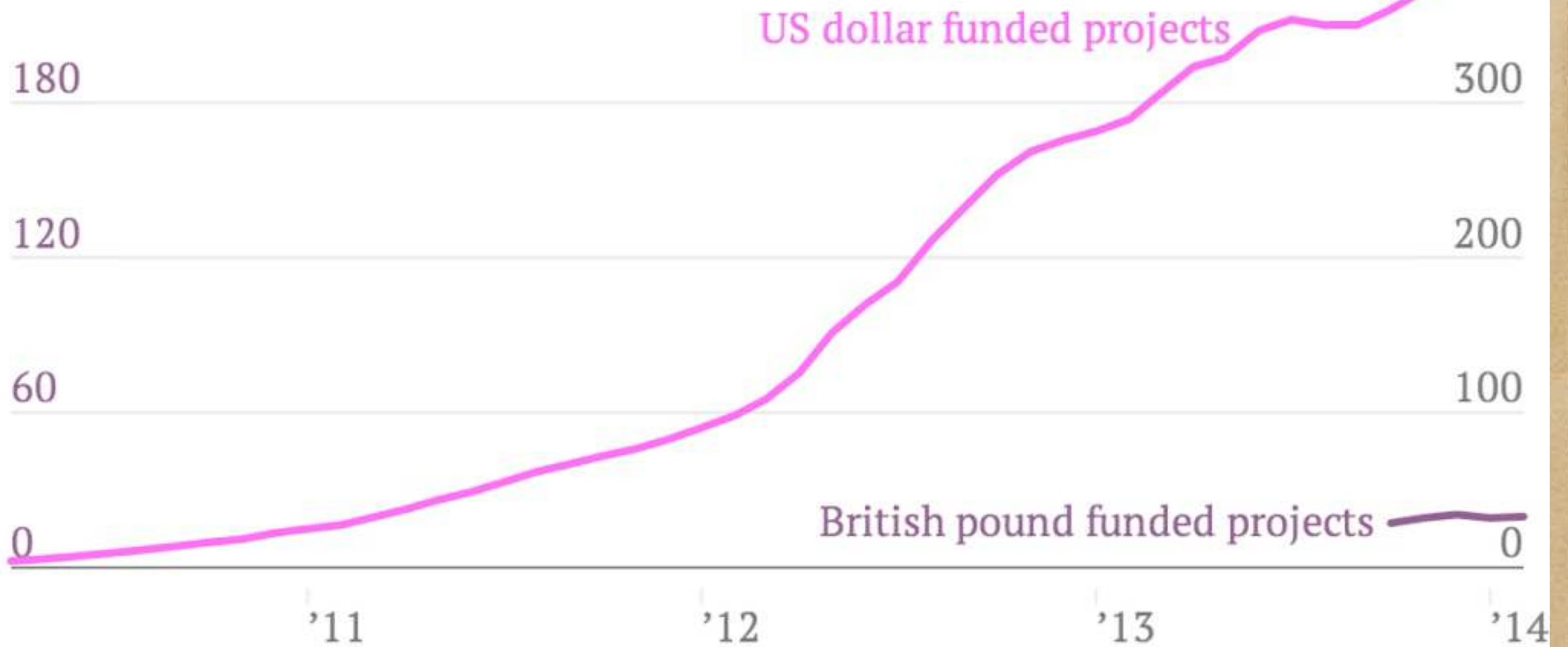
[AMONG THOSE WHO OWN MUSIC FILES]



Kickstarter, trailing 12 month revenue

£240

\$400 million

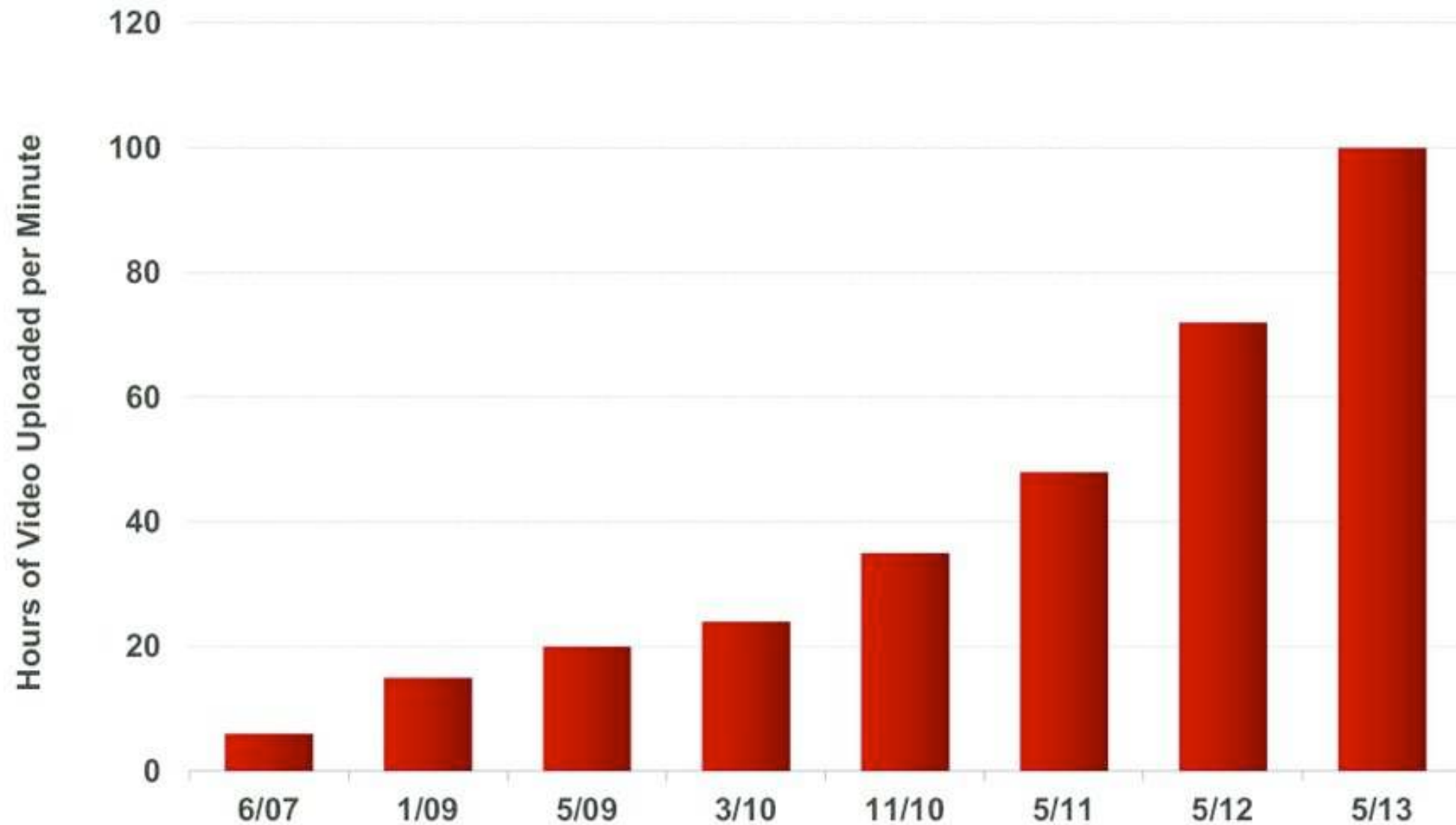


Quartz | qz.com

Data: Quartz analysis of kickstarter.com

Video = 100 Hours Per Minute Uploaded to YouTube, Up from ~Nada Six Years Ago

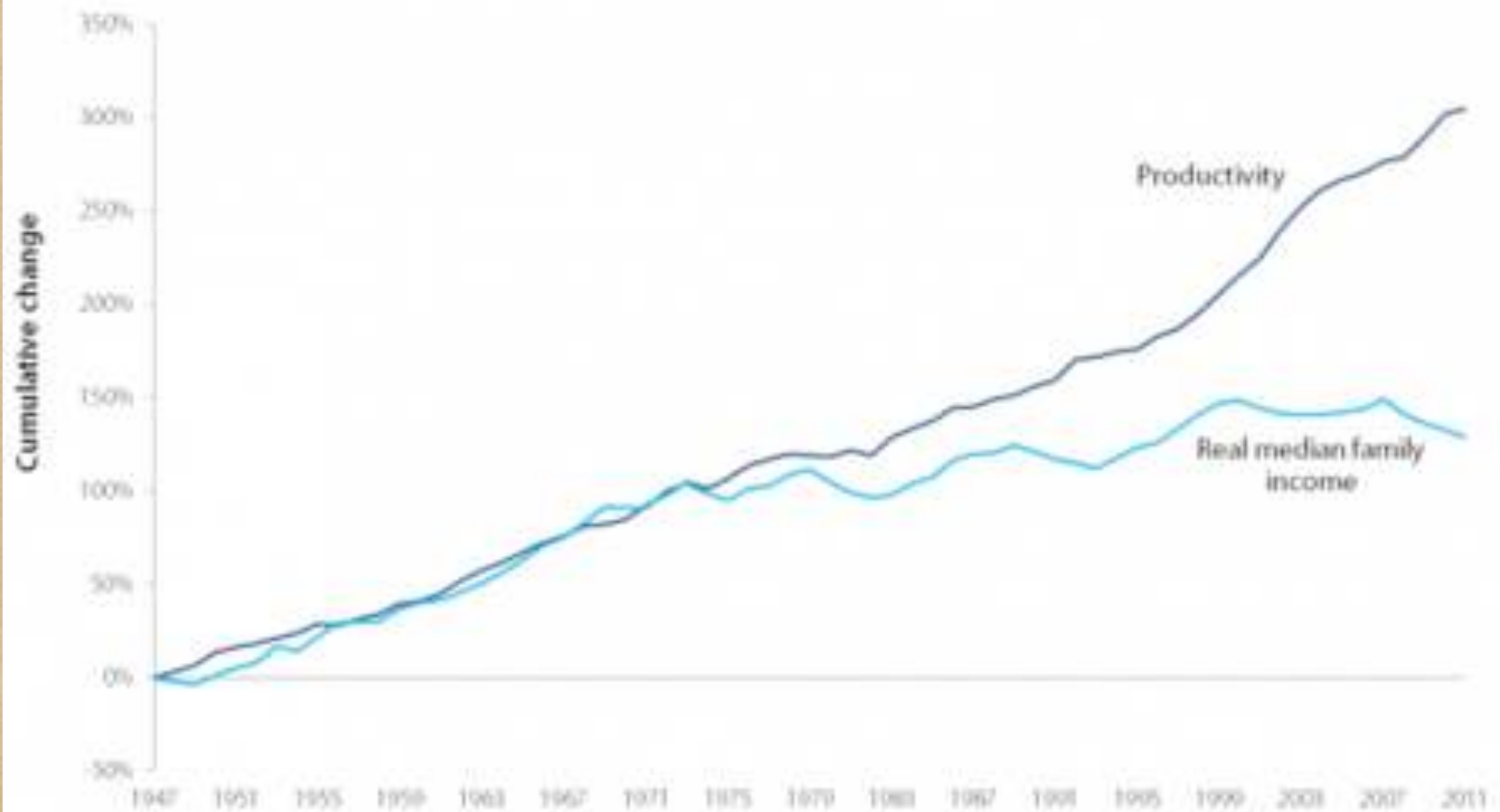
YouTube Hours of Video Uploaded per Minute, 6/07 – 5/13



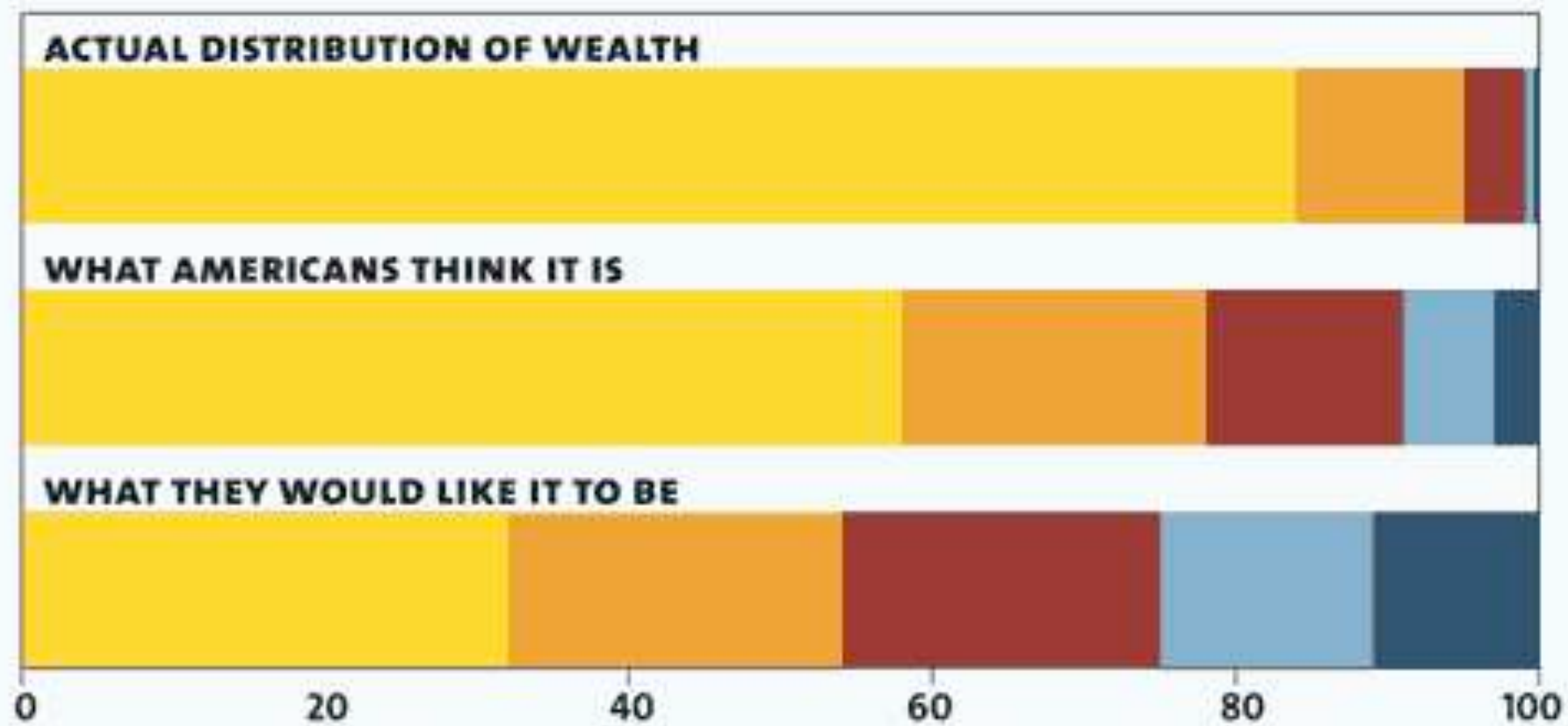
KPCB

Source: YouTube.

17



Source: Authors' analysis of Current Population Survey Annual Social and Economic Supplement Historical Income Tables (Table F-2) and Bureau of Labor Statistics, Productivity - Major Sector Productivity and Costs Database (2012)



top 20%
second 20%
third 20%
fourth 20%
bottom 20%

Source: Michael I. Norton, Harvard Business School; Dan Ariely, Duke University

https://
masspirates.org

Questions?

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