The Inevitability of Web3: Macro Cycles in Tech and Media



Seth Shapiro May 2023



ALPHA TRANSFORM HOLDINGS























































































THE FORCES OF THE BUSINESS CYCLE

1. The Cumulation of Prosperity.

- 1. Conditions at beginning of revival.
- a. Considerable unemployment.
- b. Small volume of business.
- c. Labor and management efficient.
- d. Low raw material, labor, and interest costs.
- e. Debts liquidated.
- f. Accumulated shortage of goods.
- Favorable outlook for investment construction.
- 3. Volume of construction increases.
- 4. Volume of general business increases.
- Prospect of rising markets stimulates forward buying.
- 6. Diffusion and cumulation.

II. Prosperity Contains Seeds of Depression.

- Labor fully employed at high wages.
- Efficiency of labor and management decreases.
- 3. Cost of doing business increases.
- Selling prices increase, but not enough to maintain profit margins.
- Stocks of goods become large and markets are overbought.
- 6. Investment construction falls off.
- Tension in the money market increases.
- 8. Creditors begin to press for payment.

III. Liquidation and Crisis.

- 1. Profits decline.
- Goods forced on market at reduced prices, buying restricted, volume of

business decreases.

- Retrenchment becomes general, unemployment grows.
- Liquidation spreads
 and cumulates.
- Prices decline more rapidly.
- Credit strain increases, volume of business decreases.
- 7. Failures increase,
 crisis or panic follows.

IV. Depression Breeds Prosperity.

- Credit strain is reduced.
- The volume of business low, buying for immediate

requirements only, wages

- fail, efficiency increases.

 3. Prices and cost of doing business decline.
- 4. Cost of construction declines.
- Merchandise stocks reduced, shortage of both producers' and consumers' goods gradually accumulates.
- Credit entanglements
 straightened out, interest
 rates continue to decline.

Normal

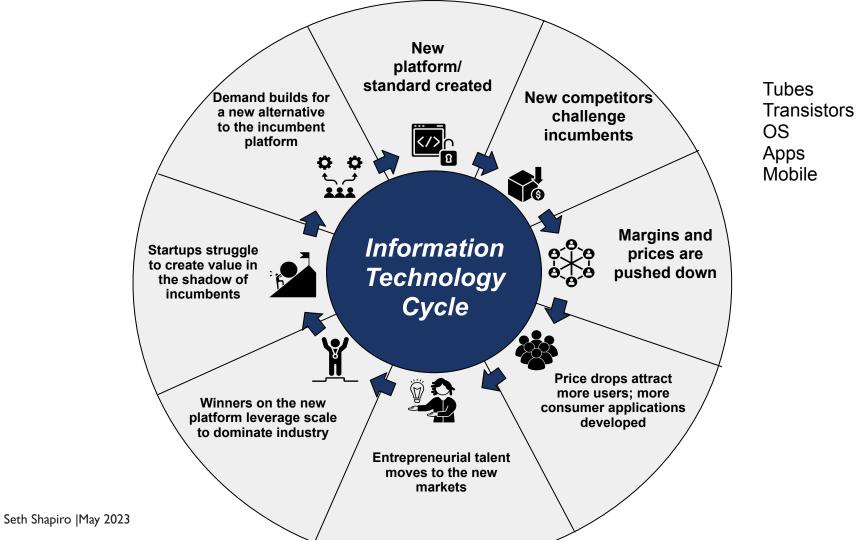
Seth Shapiro | May 2023

Normal

PROSPERITY

LIQUIDATION

DEPRESSION

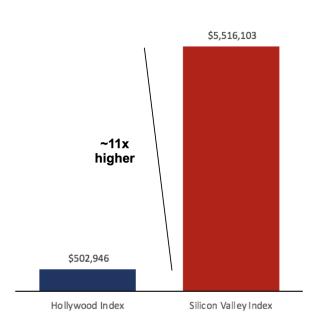






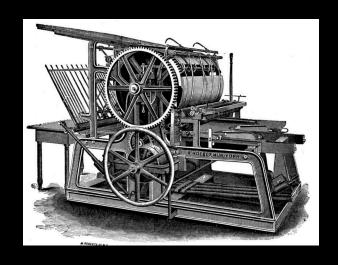


Current Combined Market Cap



A Brief History of 20th Century Media I. New Tech → Product Innovation





- 1 Fires publishers
- 2 Buys magazines
- 3 Publishes himself
- **4 Creates the Cliffhanger**

A Brief History of 20th Century Media I. New Tech → Product Innovation











2. Stable Products - Business Unit Definition

Publishing

Content:

Distribution:

Film

Content:

Distribution:

Television

Content:

Distribution:

Music

Content:

Distribution:

2. Stable Products - Business Unit Definition

Publishing

Content: Books, Newspapers, Magazines

Distribution: Presses, delivery

Film

Content: Motion Picture Production

Distribution: Exhibition, regional and platform rights

Television

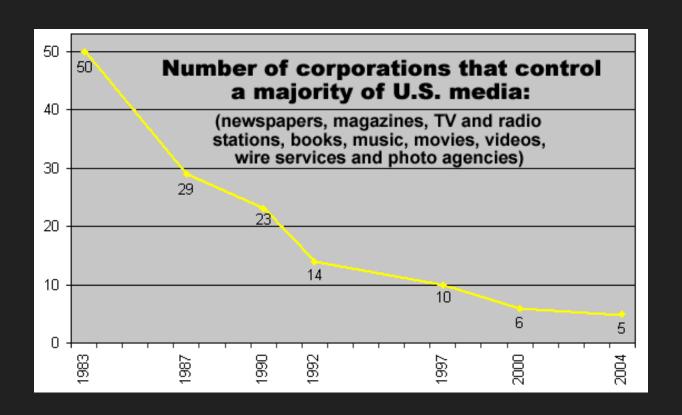
Content: Programming and Advertising Distribution: Broadcast, Cable, Satellite

Music

Content: Recordings and Performances

Distribution: Replication, Delivery

3. Business Unit Definition - M&A



4. M&A → Oligopoly

Walt Disney Company Disney Pictures Buena Vista Pictures Touchstone ESPN ABC WDIG Disneyland Parks

Time Warner HBO Warner Bros Turner Networks Warner Music New Line (formerly) AOL

Viacom CBS Paramount MTV Networks Showtime Nickelodeon BET CMT Comedy Central

News Corp FOX FX Networks FOX News Foxtel Wall Street Journal NY Post London Times DIRECTV

Comcast/NBC Universal Comcast Cable NBC MSNBC CNBC Universal Parks Telemundo USA Bravo

Sony Columbia Tri Star Sony Pictures Sony Music Sony Computer Sony Electronics

Foundation: Constrained Supply

Walt Disney Company Disney Pictures Buena Vista Pictures Touchstone ESPN ABC WDIG (Internet Group) Disneyland Parks

Time Warner HBO Warner Bros Turner Networks Warner Music New Line (formerly) AOL

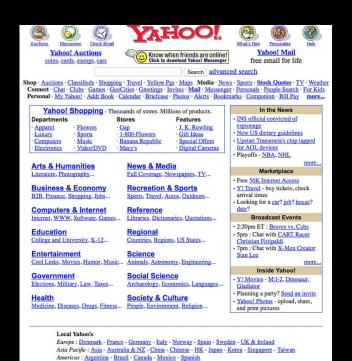
Viacom CBS Paramount MTV Networks Showtime Nickelodeon BET CMT Comedy Central

News Corp FOX Companies FX Networks FOX News Foxtel Wall Street Journal NY Post London Times DIRECTV

Comcast/NBC Universal Comcast Cable, NBC, MSNBC, CNBC, Universal Parks Telemundo, USA Networks, Bravo

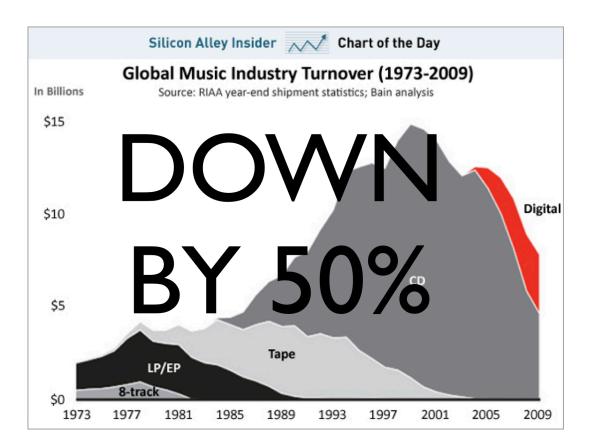
Sony Columbia Tri Star Sony Pictures Sony Music Sony Computer Sony Electronics

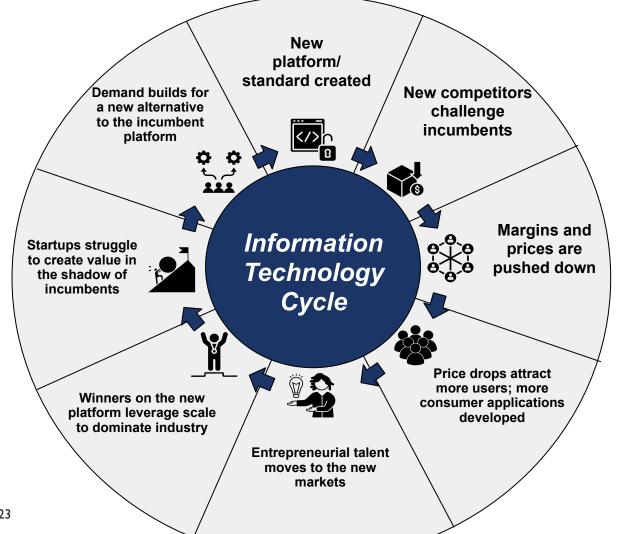
When Digital Unlocks Supply...



U.S. Cities: Atlanta - Boston - Chicago - Dallas/FW - LA - NYC - SF Bay - Wash. DC - more...







Tubes
Transistors
OS
Desktop Apps
Mobile

THE FORCES OF THE BUSINESS CYCLE

1. The Cumulation of Prosperity.

- 1. Conditions at beginning of revival.
- a. Considerable unemployment.
- b. Small volume of business.
- c. Labor and management efficient.
- d. Low raw material, labor, and interest costs.
- e. Debts liquidated.
- f. Accumulated shortage of goods.
- Favorable outlook for investment construction.
- 3. Volume of construction increases.
- 4. Volume of general business increases.
- Prospect of rising markets stimulates forward buying.
- 6. Diffusion and cumulation.

- II. Prosperity Contains Seeds of Depression.
 - Labor fully employed at high wages.
 - Efficiency of labor and management decreases.
 - 3. Cost of doing business increases.
 - Selling prices increase, but not enough to maintain profit margins.
 - Stocks of goods become large and markets are overbought.
 - 6. Investment construction falls off.
 - Tension in the money market increases.
 - 8. Creditors begin to press for payment.

III. Liquidation and Crisis.

- Profits decline.
- Goods forced on market at reduced prices, buying restricted, volume of

business decreases.

- Retrenchment becomes general, unemploy-
- ment grows.

 4. Liquidation spreads and cumulates.
- Prices decline more rapidly.
- 6. Credit strain increases, volume of

crisis or panic follows.

business decreases.
7. Failures increase,

- IV. Depression Breeds Prosperity.
 - Credit strain is reduced.
 - The volume of business low, buying for immediate requirements only, wages
 - fail, efficiency increases.

 3. Prices and cost of doing business decline.
 - Cost of construction declines.
 - Merchandise stocks reduced, shortage of both producers' and consumers' goods gradually accumulates.
 - Credit entanglements
 straightened out, interest
 rates continue to decline.

Normal

Normal

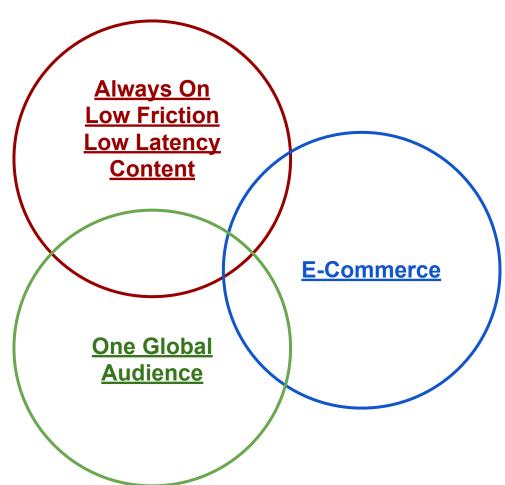
Seth Shapiro | May 2023

PROSPERITY

LIQUIDATION

DEPRESSION

WEB I PROMISE

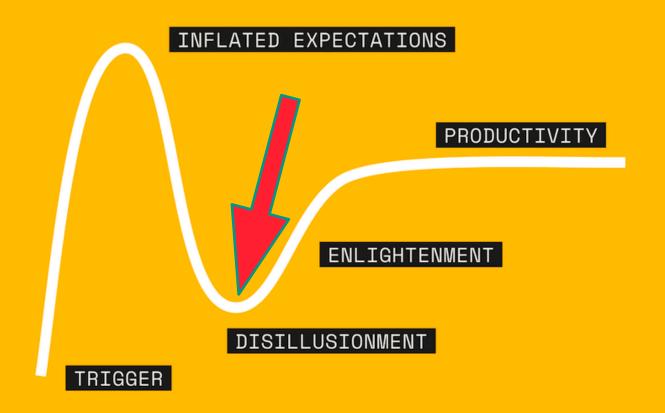


WEB I SKEPTICISM



"By 2005 or so, it will become clear that the Internet's impact on the economy has been no greater than the fax machine's."

- Paul Krugman, 1998 Nobel Prize-winning economist



WEB I KEY TECH





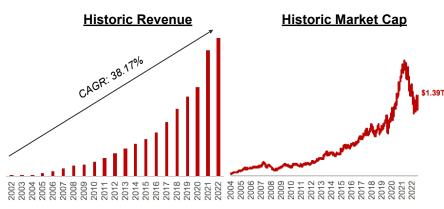


WEB I SUCCESS









WEB 2 PROMISE Democratized <u>Video</u> **Self-organizing Communities Mobile First**

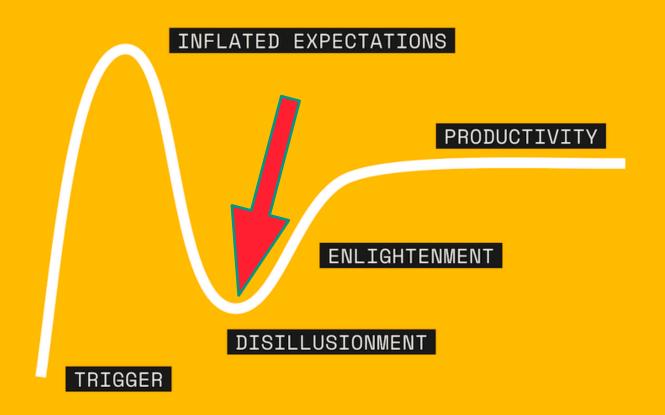
WEB 2 SKEPTICISM



When asked if Netflix was a threat:

It's a little bit like, is the Albanian army going to take over the world? I don't think so.

- Jeff Bewkes, 2010 CEO, TimeWarner



WEB 2 KEY TECH JavaScript, CSS3, HTML 5



Mobile

- Apple's 2007 iPhone release: touch-screen mobile at scale
- App Store = "App Economy"
- 6.84 billion smartphones: ~85% of global population



Social Media

- New coding frameworks enable User Generated Content
- Social media creates new forms of advertising and content
- Facebook and Instagram = 4.95 billion monthly active users

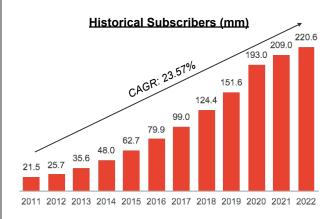


Streaming

- New tech enables users to post long form and live stream videos, enabling the rise of YouTube and Twitch
- New codecs allow cable-quality, long-form IP video streaming at scale
- "Random Access" TV enables binge watching and the "Platinum Age" of television

Historical Market Share by Smartphone Platform 50% 44.6% 40% 30% -Blackberry 20% 10% 0.6% 0% 2015 2017 **Historic Market Cap** 2015 2018 2020 2021 Seth Shapiro | May 2023

NETFLIX

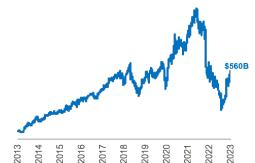


Historic Market Cap









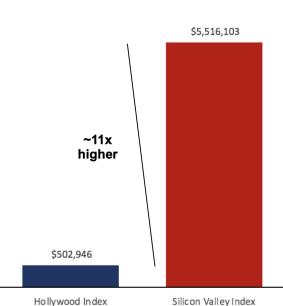


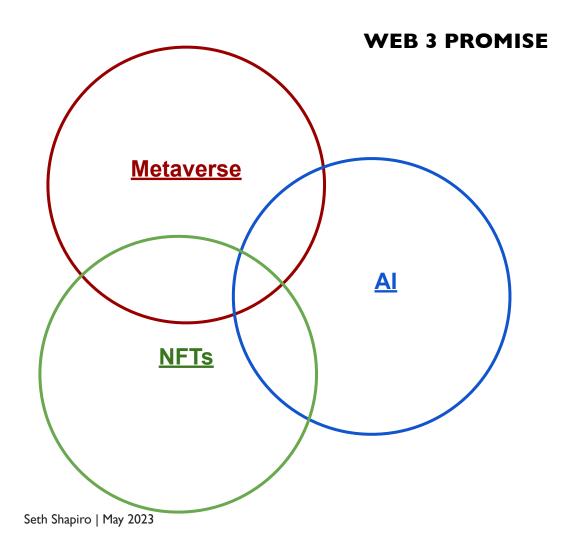


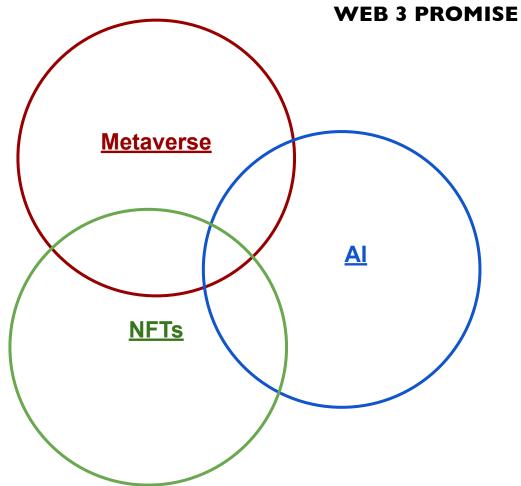
Hollywood Indox — Cilicon Valloy Indox







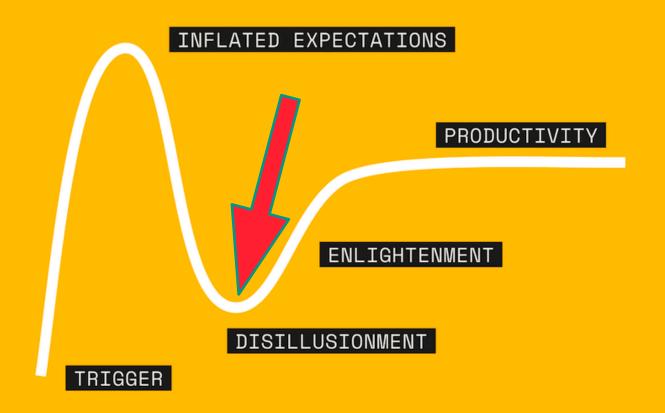






Seth Shapiro | May 2023

WEB 3: BETTER GOALS Deeper Simulations Data First DTC Economies



Conclusions

1. Web2: FAANG planned; Hollywood reacted.

2. Web2: Content licensing v. market cap.

3. Strategy: Whoever owns the customer wins.

4. Tech: Outsource the risk = outsource the reward

Thank you.



SShapiro@Alphasigma.fund



ALPHA TRANSFORM HOLDINGS