







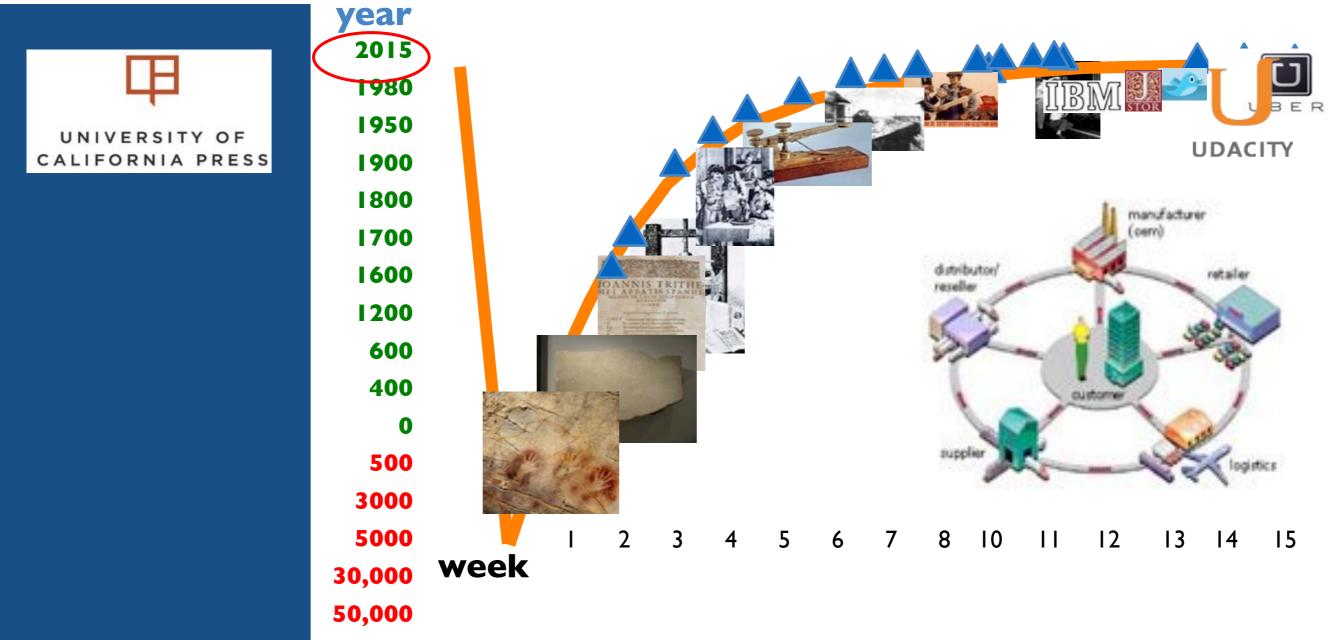
Eve of Disruption

History of Information 103 Geoff Nunberg

Apr 19 2016



Eve of Disruption



Itinerary, 4/18

Zackary H. Marthe W. Alexandra D. Thomas V. Audrey T. Michael P. Consequences of the Internet: The 6 D's... Disintermediation: Eliminating the middleman Dematerializing informational goods What future for the book? Disintermediating publishing Assignments Why form matters Affordances of material things Will newspapers go under? The disaggregation of content What future for newspapers & news?

Eve of disruption

Borders Bookstore, Chicago, April 2012



Amazon is hiring 5,000 remote workers this year — but there's a catch

Eve of disruption

April 17, 2017

BUSINESS DAY

Is American Retail at a Historic Tipping Point?

ted time offe

By MICHAEL CORKERY APRIL 15, 2017



April 15, 2017





April 4, 2017



COMMENTARY Sign Of Times: More Local Newspapers Closing

by Erik Sass, Staff Writer @eriksass1, February 10, 2017

The New Year has not brought respite for the newspaper business, as demonstrated by the slow but steady erosion of local newspapers across the United States. The last month has brought a number of new closures, leaving more small and mid-sized towns without a daily

Eve of disruption

Congressman blames U.S. unemployment crisis on iPad

By Janon D. O'Grady J April 18, 2011, 1-25pm PDF

Summary

In the rearded og menglene Ackson skann that the (Ppd 1) request hit for killing thommends of American publishing and recoil jobs. He claims that Americans are baing their jobs to soriers in Ching.

Topics -

Congressmen, Unemployment Corporate Communication Marketing, Jap O'Grady

Blogger Infi Jason D. O'Ce Jesse Jackson Jr. Blames The Pad For Killing Jobs

"Why do you need to go to & Noble? Buy an iPad and dBarnes ownload your newspaper, download your book, download your magazine."

AUG 12, 2015 @ 04:02 PM 8,028

The

Textbooks Are Going Digital, But Will That Put College Bookstores Out Of Business?



Lauren Feiner, FORBES STAFF 6

In the more than \$10 billion dollar college textbook industry, students are captive consumers. Each semester

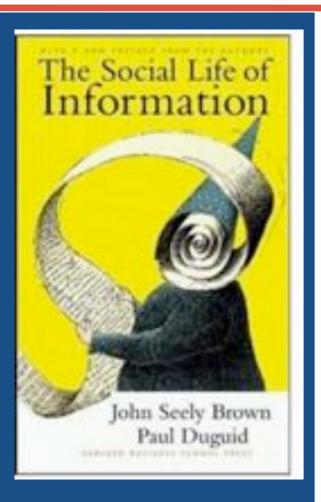
R.I.P. Pittsburgh Tribune-Review September 25, 2016 - 8:59 pm - Posted in R.I.P. R.I.P.

We're going to call a time-of-death on the Pittsburgh Tribuxe-Review, despite the fast that the newspaper says it'll live on with a website. Everyone says that these days. The more important news is that the 24-yearold daily will shutter its print edition and lay off soft staff members. It will maintain an online-only edition, but most dying newspapers say that.

Our favorite quote comes from Jennifer Bertetto, president and chief executive of Trib Total Media, which owns the Tribune-Review: "Our commitment to overring news in Pittsburgh and Alleghens County



6 D's and a 7th



Brown and Duguid's six D's

Demassification

Decentralization

Denationalization

Despatialization

Disintermediation

Disaggregation

And one more...

Dematerialization

The confluence of technological, legal, social, and market factors...

Disintermediation: "Cutting Out the Middleman"





STURZ

PIANOS.

Sold on easy terms direct from

FACTORY WAREROOMS AT 142 LINCOLN AVE., 134th Street, block East of Third Ave. NEW YORK.

Disintermediation before "disintermediation"

Obviously the way to reduce the cost of food is to eliminate the middleman...by co-operation—by combining the purchasing power of individuals, and dealing direct with the producer...*Good Housekeeping* 1012

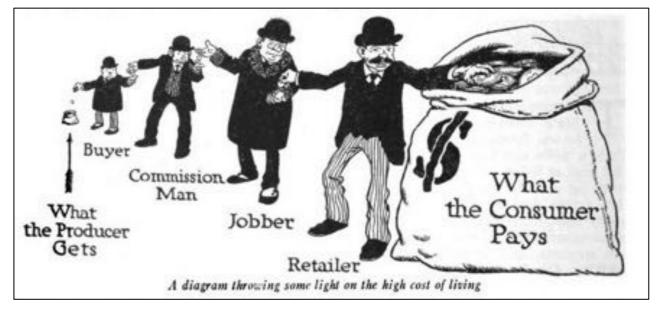
1912



WHAT is the MIDDLEMAN'S SHARE?

Service the Basis of the Wholesaler's and Retailer's Place in Distribution: Do They Earn Their Pay?

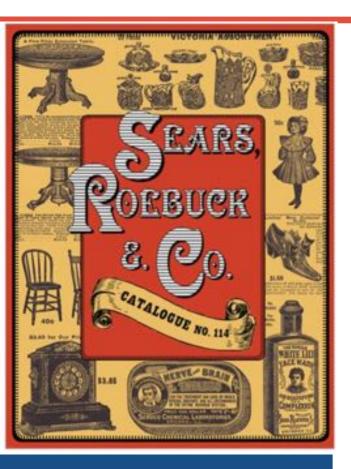
System: The Magazine of Business, 1913



"Cutting Out the Middleman"

THERE can be no question that both jobbers and retailers of stationery and allied lines are considerably handicapped frequently by competition with manufacturers who make a practice of selling direct to the consumer. It is true,

"Cutting Out the Middleman"



1897 Sears Catalogue



AFTILLED RINGS

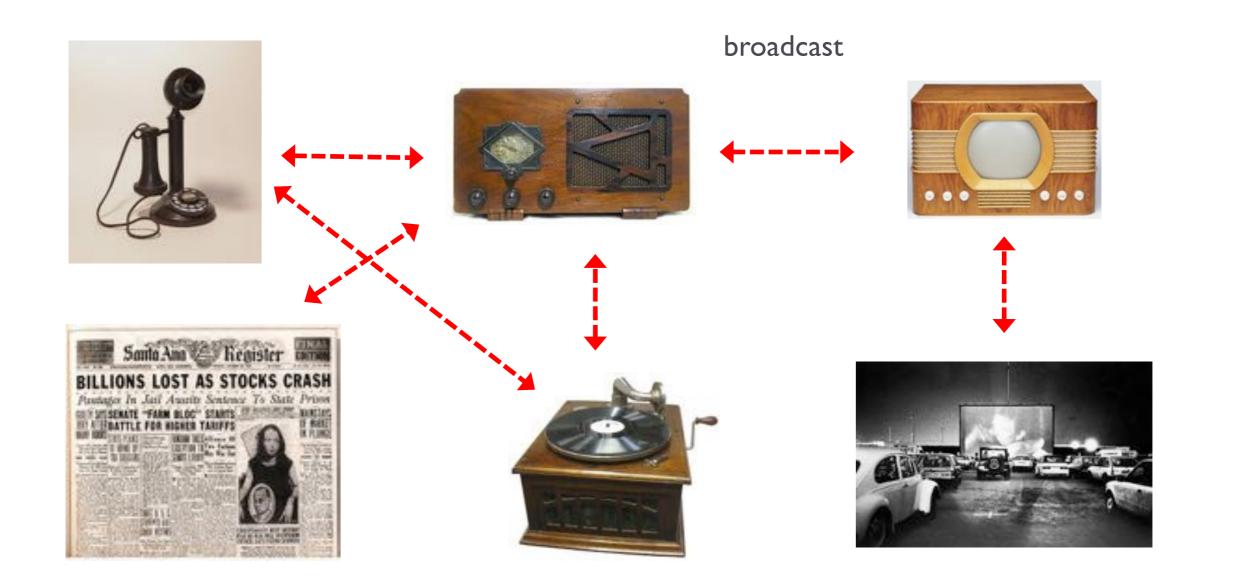


1908



Sears Tower, Chicago 1906

Competition among technologies



"Cutting Out the Middleman"

What proportion of US retail sales are online? a. 7.5% b. 21% c. 32.3% d. 46%

The growth of e-commerce:

"Cutting Out the Middleman"

The growth of e-commerce:



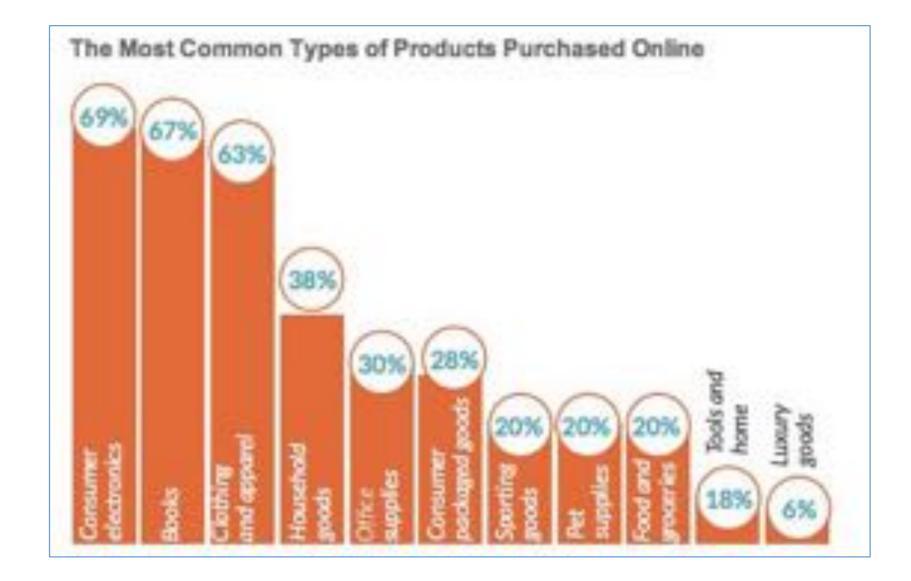
What proportion of US retail sales are online?

a. 7.5%

- b. 21%
- c. 32.3%
- d. 46%

What do we buy online?

Also: Auto parts beauty products toys & hobbies jewelry





Disintermediating Commerce



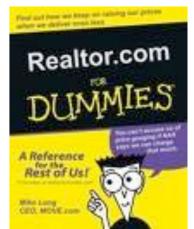




Limited or niche disintermediation

Real estate for sale New automobiles Pet food Furniture

... but price information etc. is disintermediated in all markets





Mixed Retail Models



Amazon Proves That Brick And Mortar Retail Will Not Die Off Completely New models mix brick & mortar and online ordering, service, delivery, shopping etc.

Bonobos is opening retail stores — but you can't actually take any of the clothes home



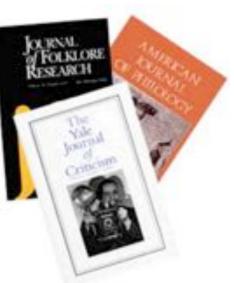
The Bonobos flagship guideshop on Fifth Avenue. Bonobos

Dematerialization of Informational Goods

Dematerialization of Informational Goods









Disintermediating informational goods





INVESTING & TRADING

WHY E*TRADE?

Employee Stock Plans

TRADING TOOLS

(Inte

E-commerce is dominant or major channel Downloadable products (software, mp3's, pornography)

Travel/event tickets/etc.

Public records

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Stock certificate for Dutch East India Company, 1606

Dematerialization of Informational Goods



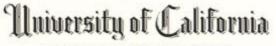


When does paper matter?



When does paper matter?





ON THE NOMINATION OF THE FACULTY OF THE COLLEGE OF LETTERS AND SCIENCE HAVE CONFERRED UPON

FRANCIS GEORGE FISHER IV

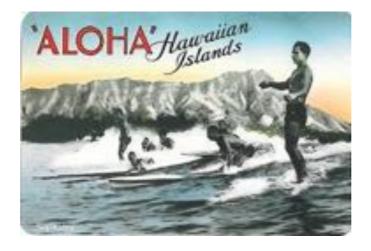
THE DEGREE OF BACHELOR OF ARTS WITH MAJORS IN ECONOMICS AND POLITICAL ECONOMY OF INDUSTRIAL SOCIETIES WITH ALL THE RIGHTS AND PRIVILEGES THERETO PERTAINING

> GIVEN AT BERKELEY THIS THIRTEENTH DAY OF MAY IN THE YEAR TWO THOUSAND AND ELEVEN





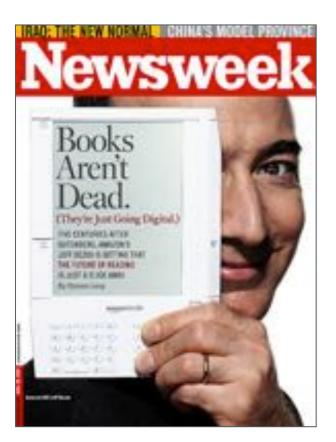


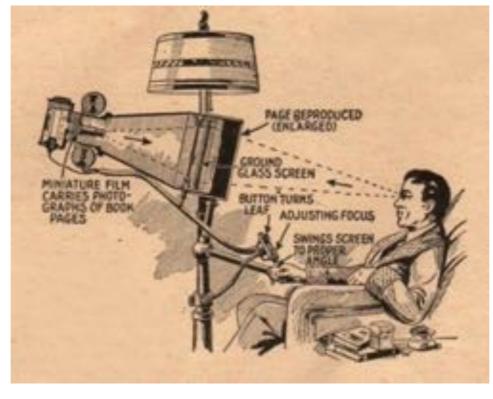




THE WHITE HOUSE WASHINGTON, DC 20500 THE WHITE HOUSE The ADDRESS OF TAXABLE he for your Julien. I she e can to restore con , the financial system

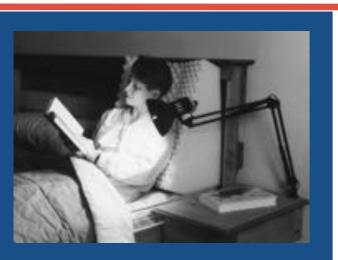
What future for the book?







Books? Where we're going we don't need books





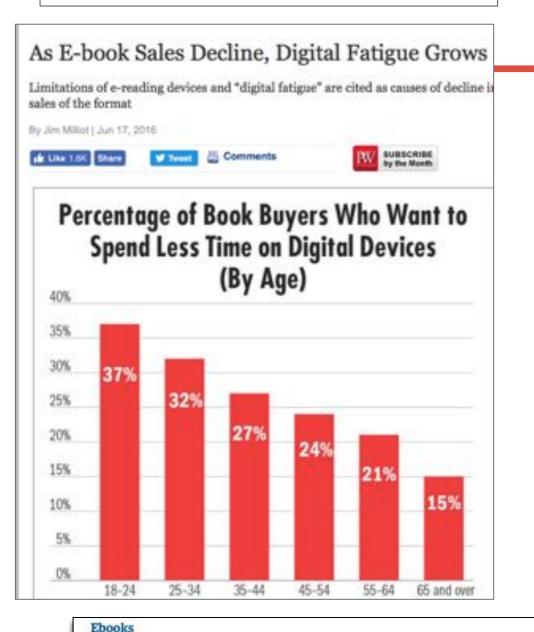
A clash of fetishisms

"Nobody is going to sit down and read a novel on a twitchy little screen. Ever." — E. Annie Proulx, "Books on Top," NY Times, 1994

"Paper is just an object that [some] information has been sprayed onto in the past..." — Ted Nelson, ca. 1990

In the future, physical books will be of interest mainly to those "addicted to the look and feel of tree flakes encased in dead cow tree flakes encased in dead cow... old volumes could live out their days in safe and dignified retirement in climate-controlled book museums." William Mitchell, Dean of the School of Architecture, MIT, 1996

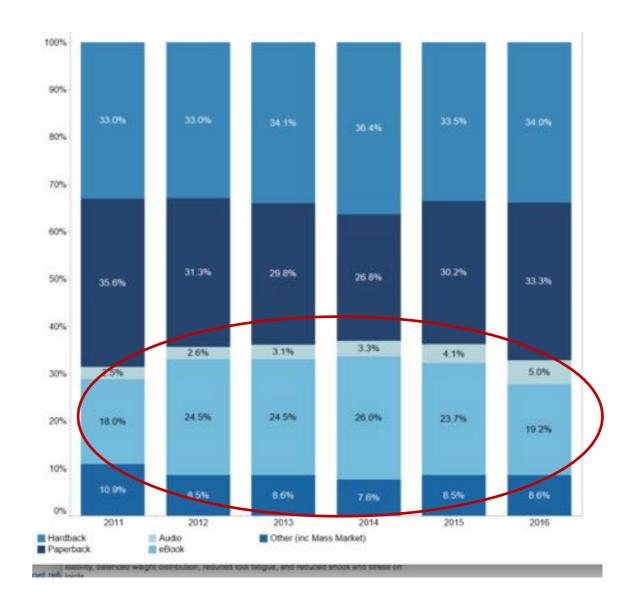




Ebook sales continue to fall as younger generations drive appetite for print

Nielsen survey finds UK ebook sales declined by 4% in 2016, the second consecutive year digital has shrunk

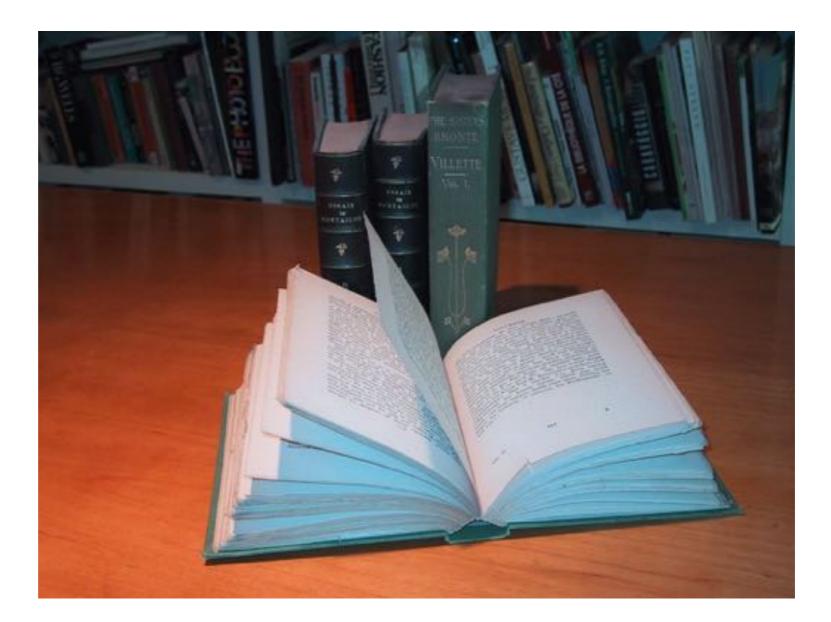
Is the e-book inevitable?



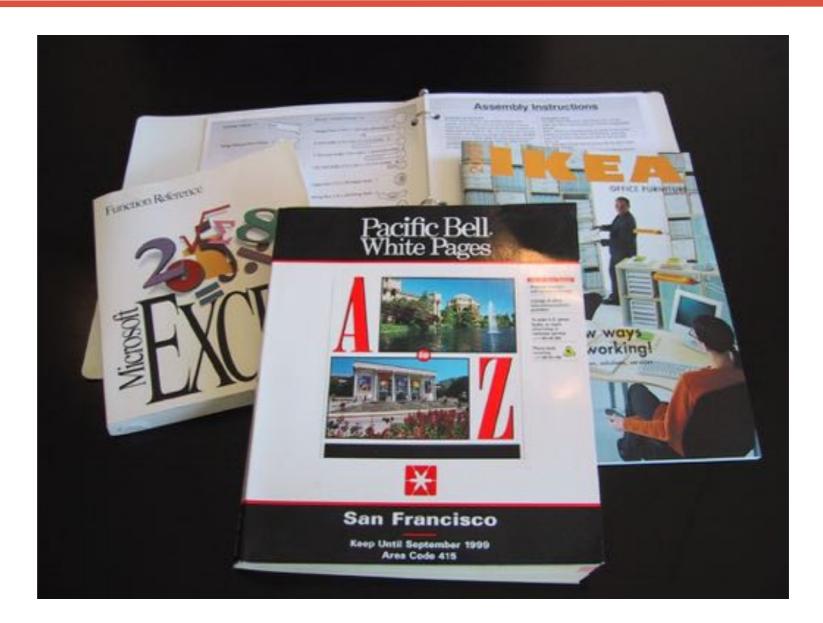
Book Sales by channel, 2011-2015

Why Form Matters

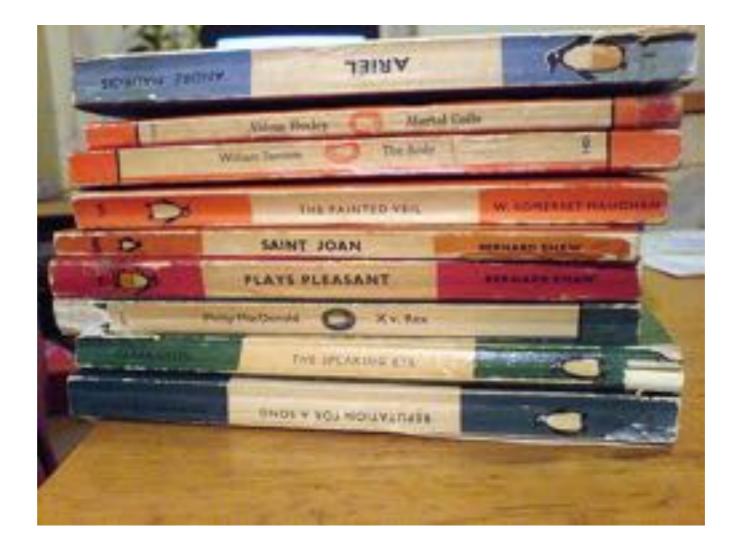
"THE BOOK"



books...

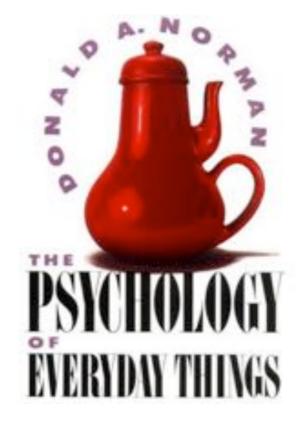


... and the books we actually read



The affordances of everyday things

Affordances: (perceived?) "action possibilities" latent in the environment





J. J. Gibson



Affordance: the only imegularity on the plain front of the notebook invites the user to place a finger. A gentle push opens the top part of the notebook like a clamabell. (The fine line envides turiosity to find out if the object can get devided into 2 parts.)



Sorting out the affordances of new technologies

Material features of documents enable:

Characteristic modes of interacting with documents Symbolic & iconic roles of documents Social practices that determine use & interpretation of documents

Beyond "twitchy little screens"

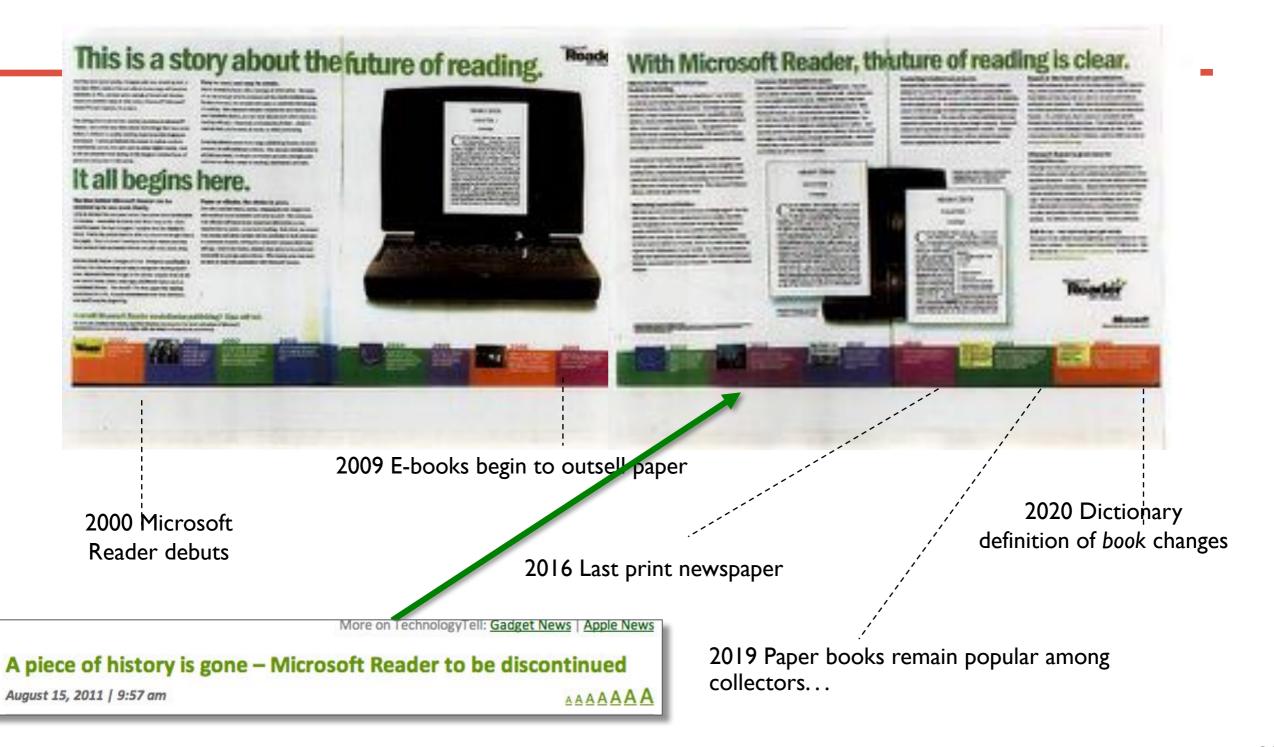


Material limits as features: the fixity of representation, interaction with the body

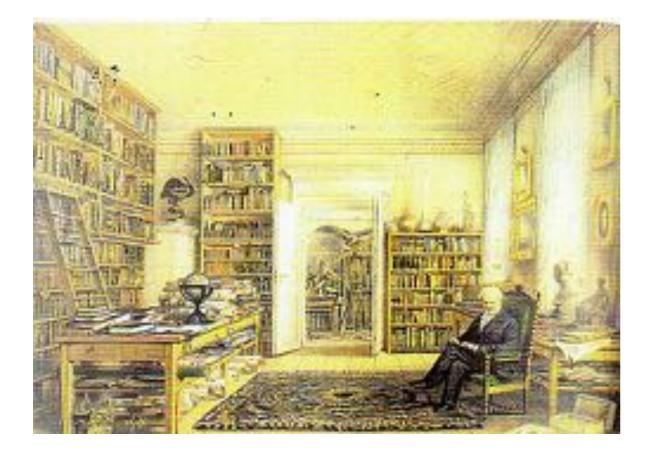


"My readers... will see in the tell-tale compression of the pages before them, that we are all hastening together to perfect felicity." Jane Austen, in the final chapter of *Northanger Abbey*

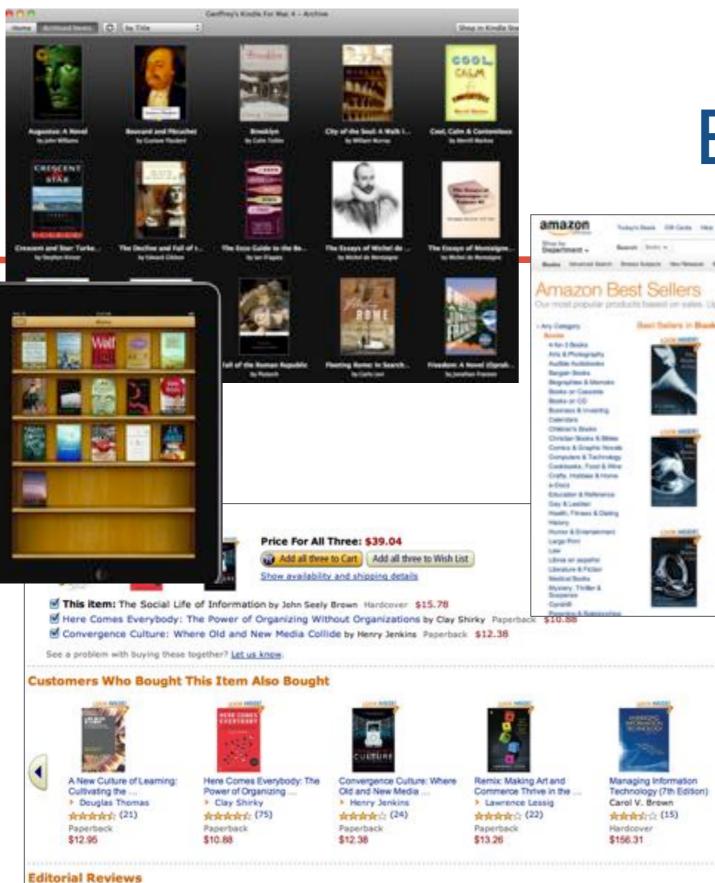
"Twitchy little screens" and the future of the book



The Epigraphic Book





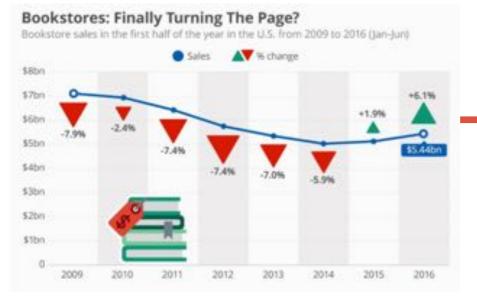


Simulating the Epigraphic Book



What's lost & gained online? Bookstores as showrooms...

Brick-and-mortar outlets hang in there



The indie bookstore resurgence

by Verne Kopytoff Biskopytoff BEPTEMBER 20, 2013, 2:10 PM EDT

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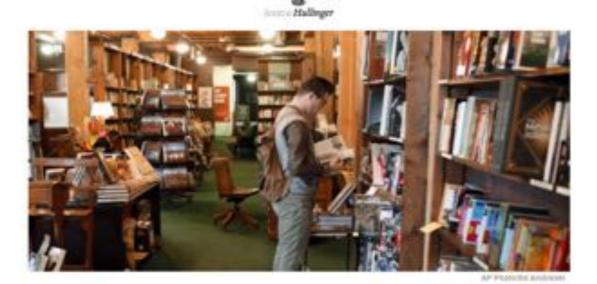
Amazon may have the bargains, but independent booksellers are trading in the importance of real-life community – and are seeing an uptick in business.

FORTUNE — John Evans, co-owner of Diesel, a small California bookstore chain, gives an emphatic "no" when asked if he's crazy for creating a new store this



"While independent bookstores can't compete with Amazon or big box retailers on price or selection, the truth is they don't have to. That customers keep coming back despite other available options suggests they aren't looking for a bargain. They're looking for an experience..."

> 4 reasons why independent bookstores are thriving



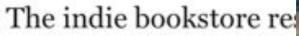
Brick-and-mortar outlets hang in there



7.44

2012

7.4%



by Verse Kapytoff @vkopytoff SEPTEMBER 20, 2013, 3:10 PM ED1



Amazon may have the bargains, but independent booksellers are trading in the importance of real-life community – and are seeing an uptick in business.

\$5bn

\$4bri

\$3bn

\$2bn

\$1bn

2009

2010

FORTUNE — John Evans, co-owner of Diesel, a small California bookstore chain, gives an emphatic "no" when asked if he's crazy for counter a new store this



AP Photo the Automatic

A choice we have to make?





Disintermediating Publishing?



Disintermediating Publishing?



"...someone used the word *disintermediation*. I said, 'Oh my God, that's the end of the publishing business.' " At a time when a writer can post a novel online and watch the revenue pour in by direct deposit, the publishing industry's skill at making books, selling them by hand to bookstores, and managing the distribution of the product threatens to become irrelevant. In Epstein's vision, the writer may need a freelance editor, a publicist, and an agent who functions as a kind of business manager, but authors will keep a bigger share of the proceeds with no lumbering media corporation standing in the way. Evan Hughes in *Wired*, 2013

39

Assignment for 4/18

...Evan Hughes writes in Wired: "In the long term, what publishers have to fear the most may not be Amazon but an idea it has helped engender—that the only truly necessary players in the game are the author and the reader.... At a time when a writer can post a novel online and watch the revenue pour in by direct deposit, the publishing industry's skill at making books, selling them by hand to bookstores, and managing the distribution of the product threatens to become irrelevant. In [Jason] Epstein's vision, the writer may need a freelance editor, a publicist, and an agent who functions as a kind of business manager, but authors will keep a bigger share of the proceeds with no lumbering media corporation standing in the way."

In a digital world, is it still necessary to have a separate firm or organization to perform the functions of traditional book publishers? If so, do you see a continuing role for publishers in some of these functions, or can they be undertaken by someone else —such as Amazon—or the authors themselves?

Yes, sort of...

Zackary H.

...the evolution of the e-book and multimedia books....has presented [publishers] some worries as the "power in publishing might just be shifting in the authors' favour" (Connolly). Self-publishing has increased due to an increase in accessible formats and platforms, like Amazon. Even though these formats are expanding, there still should be some content oversight, and this must be done through a combined effort from publishing companies and corporations like Apple and Amazon. As Horowitz mentions, the benefits of publishing companies are their ability to "provide an imprimatur, a sort of quality" control." Along with this, amazon and apple have created platforms to reach the masses and provide more marketing and promotion than the traditional bookstore (Auletta).

Marthe W.

Auletta claims that "No matter where consumers buy books, their belief that electronic media should cost less – that something you can't hold simply isn't worth as much money – will exert a powerful voice." It takes us back to the conversation of pirating – what should and what should we not pay a lot of money for?... In a way it is good that any author gets to voice work through online systems, however the reader loses the writer's confirmation of trustworthiness when the work is self-published. A publisher would make sure that the work is well fashioned, which is important to the reader, even for fictional literary work, such as that of Hugh Howey.

Alexandra D.

...traditional publishers are still needed...because, as Horowitz warns, self-published books are not vetted as heavily as books published by traditional means. Editing is an immensely important step in publishing -- one that often gets overlooked by self-published versions. ...Hughes mentions that Steve Jobs said "people don't read anymore" -- if people are no longer reading as much as they were in the past and every book they have the option to read contains grammatical slip-ups and other flaws, the level of literacy is bound to decline. ...Until Amazon finds the means to copyedit books before authors publish them on their site, the role of traditional publishers will remain prominent.

maybe not...

Thomas V.

...companies like Amazon and Apple are democratizing the e-book market, allowing the distribution of knowledge at very low costs. ... There evidently is a need for a publishing system, to maintain the quality of published content and helping authors through the whole publishing processes. However, artificial intelligent agents that analyze books and make suggestions to the authors could soon replace it. This could lead to a pipelined and automatized infrastructure that performs publisher's main contributions to published content.

maybe not...

Audrey T.

[W]hile the publisher concerns over the content, the digital market is primarily concerned over the profit. As Auletta stresses, "good publishers find and cultivate writers, some of whom do not initially have much commercial promise....[but] self-published writer Connolly explains how the digital publishing world has allowed him to find a sizeable audience online and experiment the gamut of literary works through this way (while earning his fair share). A separate publishing firm may no longer be required in this digital market, but publishers are not necessarily irrelevant: it's important to distinguish art (in this case, writing) and its goals among business goals...

Michael P.

...I believe that in due time the traditional publisher will be obsolete. In a digital world, the author can distribute online, affordably market their books online, and hire freelance editors. For the less tech savvy, they can use services provided by distribution sites like Amazon and Apple. For example, author Ray Connolly decided to develop a website to distribute his work and market them on his own. Overall costs went down, which in turn reduced risk. More authors will opt for this route as the cost of a publisher begin to outweigh its benefits.



Publishers as brands

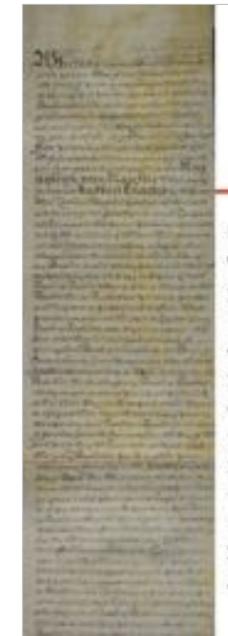


"Brands matter because authors think they do. The best brands attract the best authors — a virtuous circle, in which good authors strengthen brands and brands confer their aura on authors... Whether John Consumer knows anything about Duke University Press or HarperCollins is one thing, but the store where he shops certainly does.... The distribution channels, that is, are not "dumb pipes" but a series of value-added filters whose aim it is to place the books with the greatest possibility for sale before the consumer. The publisher's brand serves as a key way to identify the best books." Joseph Esposito, 2010

"[Fifty Shades of Gray] became a massive commercial success only after Random House got involved, placing giant stacks of paperbacks in bookstores everywhere and buying huge ads in the London Underground." Evan Hughes

Revistiting an old battle

PD, 2/23:



author's due

not printers, nor booksellers

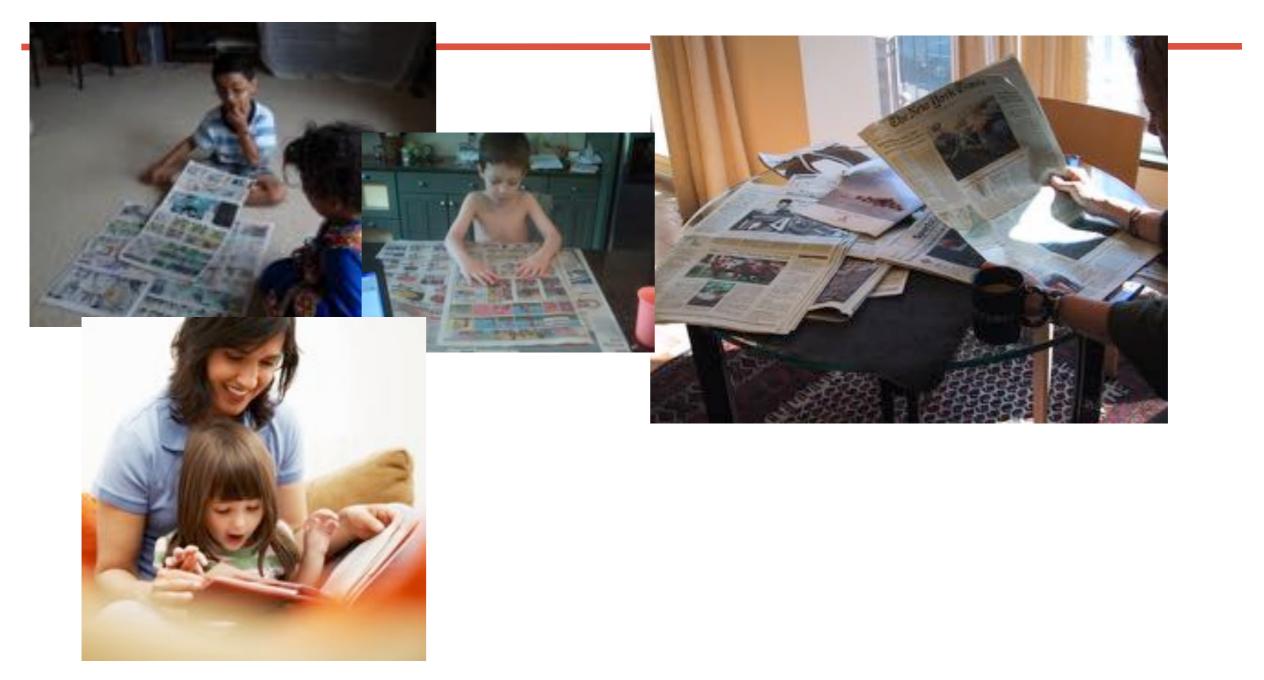
Whereas printers, booksellers and other persons have of late frequently taken the liberty of printing reprinting and publishing or causing to be printed reprinted and published Books and other writings without the consent of the authors or proprietors ... to their very great detriment. ... For preventing therefore such practices for the future and for the encouragement of learned men to compose and write useful

books ... That from and after the tenth day of April 1710...

Will newspapers go under?



The affordances of newspapers



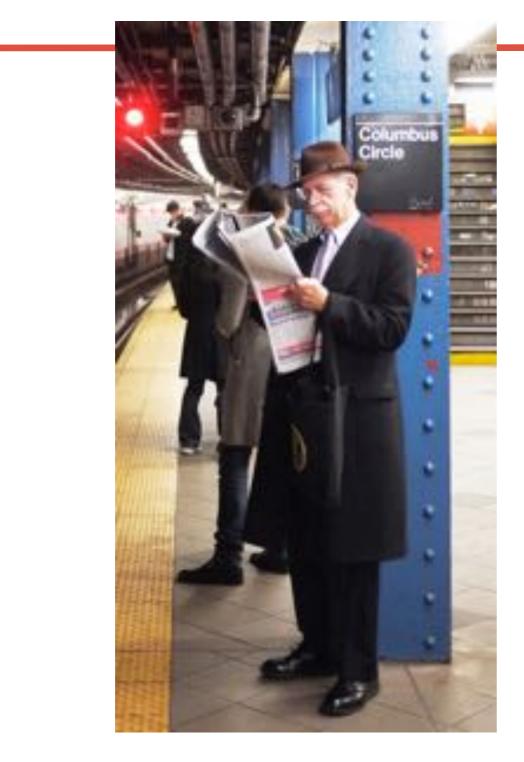
The affordances of newspapers



BLD017160 [RF] 0 www.visualphotos.com

Spot the Out-of-Towner

The affordances of newspapers



The Subway Fold

The New York Times subway fold. It's the hallmark of a true New Yorker - up there with the calhailing whistle and ordering your coffee "regulah." Samply follow the instructions below and please, stand clear of the closing doors ...



1) Full the newspaper in helf, lengthwase, and create a crease down the realistic load.



ID Play-and field, en-seconsary, to read each portion of the page.



4) To read storses that fall as the exoter metions ...



have to the continuation page.





2) Full back over, creating two ingthvise portions ...





8) Then (kid again into hear parts.







End of the newspaper?

THE NEWS BUSINESS OUT OF PRINT

The death and life of the American newspaper. BY ERIC ALTERMAN

MARCH 31, 2006

the American newspaper has been around for approximately three hundred years. Benjamin Harris's spirited Publick Occurrences, Both Forreign and Domestick managed just one issue, in 1690, before the Massachusetts authorities closed it down. Harris had suggested a politically incorrect hard line on Indian removal and shocked local sensibilities by reporting that the King of

France had been taking libe The New Hork Times

March 17, 2010

It really was not until 1721, I.H.T. OP-ED CONTRIBUTOR

The End of Newspapers?

By MARIE BÉNILDE

Journalists are now in the same situation as steel workers in the 1970s: They are destined to disappear, but they don't know it.

COMMENTARY

Prince's wife.

Print Is Dying, Digital Is No Savior: The Long, Ugly Decline Of The Newspaper Business Continues Apace

lanuary 26, 2016

"The newspaper model putting text on paper - is becoming a dinosaur; much like the horse and buggy disappeared when the automobile came on the scene."



A Perfect Storm for the Old Media

Craigslist etc. divert classified advertising

News aggregators, blogs & social networks capture audience National sources displace local sources online ("Last man standing")

| Print | Digital Rephon | Digital Non-Replica | Total |
|-----------|---|--|--|
| | | 아버지 않는 것 같아요. | |
| 1,359,745 | | 916,462 | 2,276,207 |
| 1,356.065 | | 917,702 | 2,273,767 |
| | | | |
| 1.083.200 | 52,198 | 1.386.629 | 2,522.027 |
| 1,316,865 | 61,286 | 1,484.078 | 2,862,229 |
| | | | |
| 635,887 | 20.437 | 1,255,369 | 2,019,693 |
| 676.633 | 15.043 | 1,206,214 | 1,897,890 |
| | | | |
| 377,466 | | 7.664 | 401,360 |
| 405,035 | 16.646 | 9,640 | 431,521 |
| | 1.358.745 1.356.065 1.083.200 1.316.865 639.887 676.633 377.456 | 1.358.745 1.356.065 1.083.200 52.158 1.316.865 61.286 639.887 20.437 676.633 15.043 377,466 16.230 | 1.358.745 916.462 1.356.065 917.702 1.083.200 52.158 1.386.629 1.316.865 61.286 1.484.078 639.887 20.437 1.356.369 676.633 15.043 1.206.214 377.456 16.230 7.864 |

Get Home Delive TDDAY'S PAPER VIDED MOST POPULAR TIMES TOPICS NE PAGE SEARCHING FOR THE The New York Times LOWEST FARE? DEE NEWS SPORTS LIFESTYLE ASE STOP e Boston Blobe EXTRA OPINIO? **Taliban Seize** Hobal Edition + 100 0410 **Control of Area** Reason EAL ESTATE Near Pakistani PAGE ONE Easy prey drew The Besten Wiebs suspect, DA says

Alex Jones InfoWars' Alex Jones Is a 'Performance Artist,' Lawyer Claims – msn.com

TRENDING

White House Trump, First Lady Host First Easter Egg Roll at White House – rbonews.com

Recep Tayyip Erdoğan Erdoğan declares victory in referendum to increase his powers – thehill com

Jon Osseff Trump taunts Dem candidate in Georgia election – formews.com

Cleveland, Ohio Dragnet for Suspected Facebook Killer Widens Beyond... - nboxashington.com

- Cleveland Cavaliers vs. Indiana Pacers Kevin Love proves to be Game 2 difference-maker,... - cleveland.com
- Arkansas Department of Correction Arkansas Supreme Court halts two executions set for Monday – Toxnews.com

Trump calls Erdogan to congratulate him on contested... - washingtonpost.com

Atlanta Atlanta traffic made worse after section of 1-20 buckles – fox2now.com

Boston Marathon Kenya's Kirul, Kiplagat sweep Boston Marathon - eson.com

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Wed Apr 22

\$3900.1 Jbn - Waterfront Living', Esh new Jan condex for sent in Missio with basks to:

\$1150 / 2hc - Modern 2 bedreion/2 bath loft with great views of Son Fraweth books and



Shadow

Voice

GUARDIAN

BE

A Perfect Storm for the "Old Media"

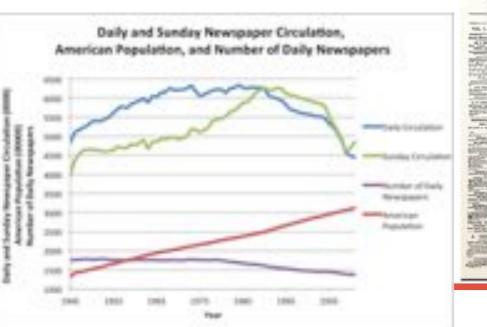
Birmingham Metro Ist UK freesheet 1984

Competition from circulars, free dailies and weeklies (since 1950's)

Increased online competition lowers ad rates

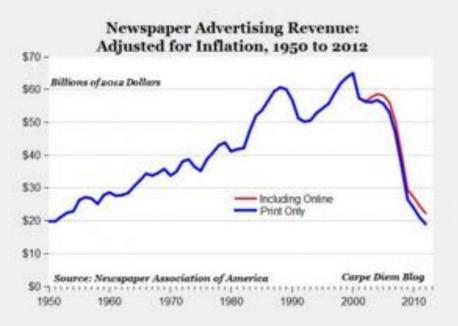


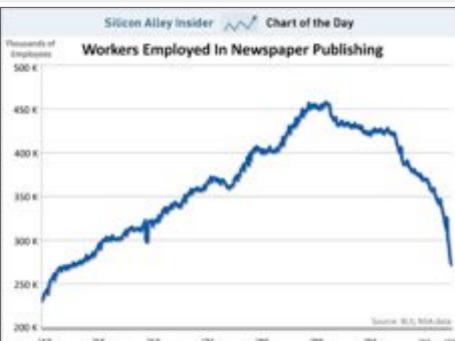
Alternative Weeklies



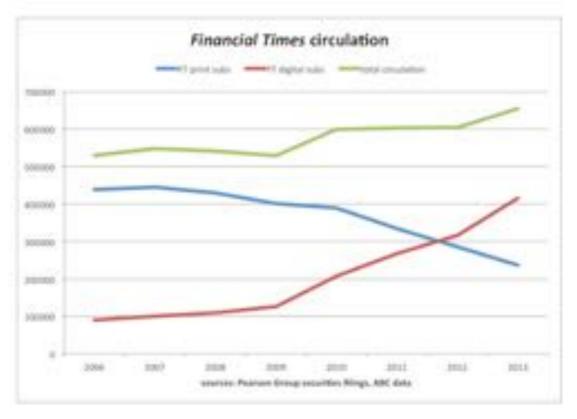


The abyss?



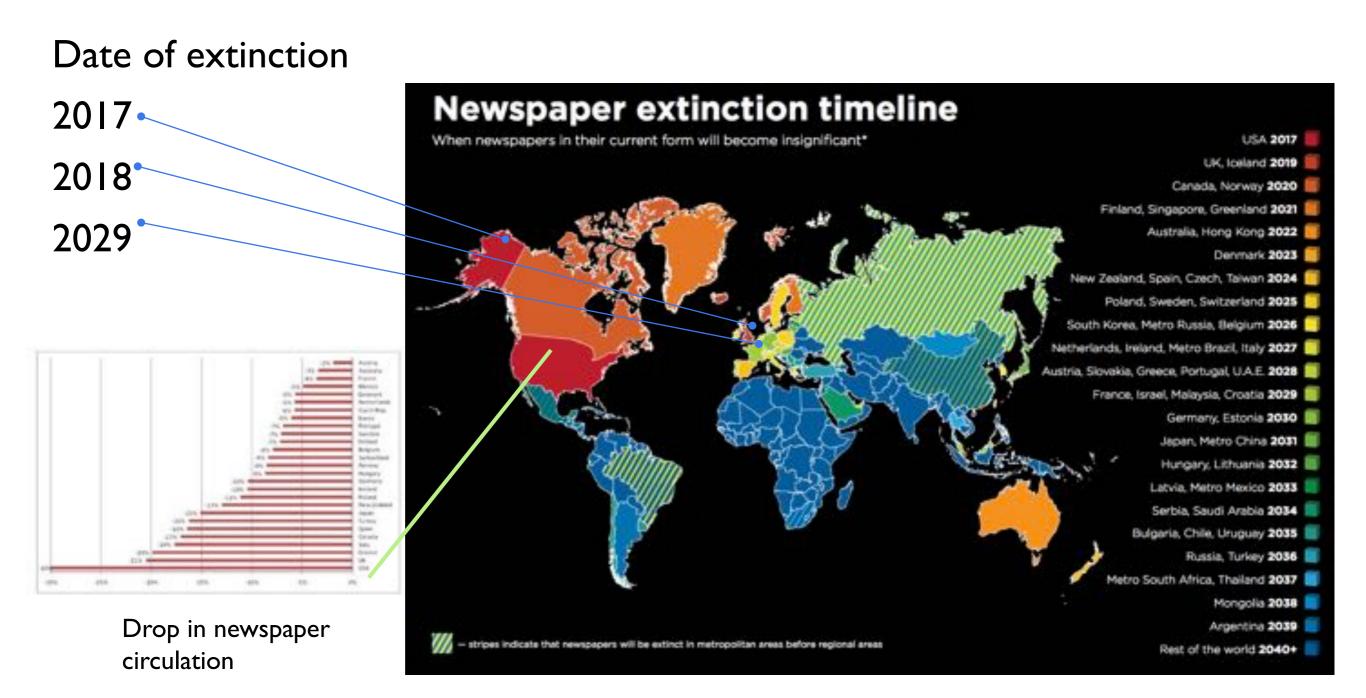


Precipitous declines in print circulation, advertising revenues, workers employed



Digital growth for some papers, or even paywalls, doesn't take up the slack

Dire Predictions



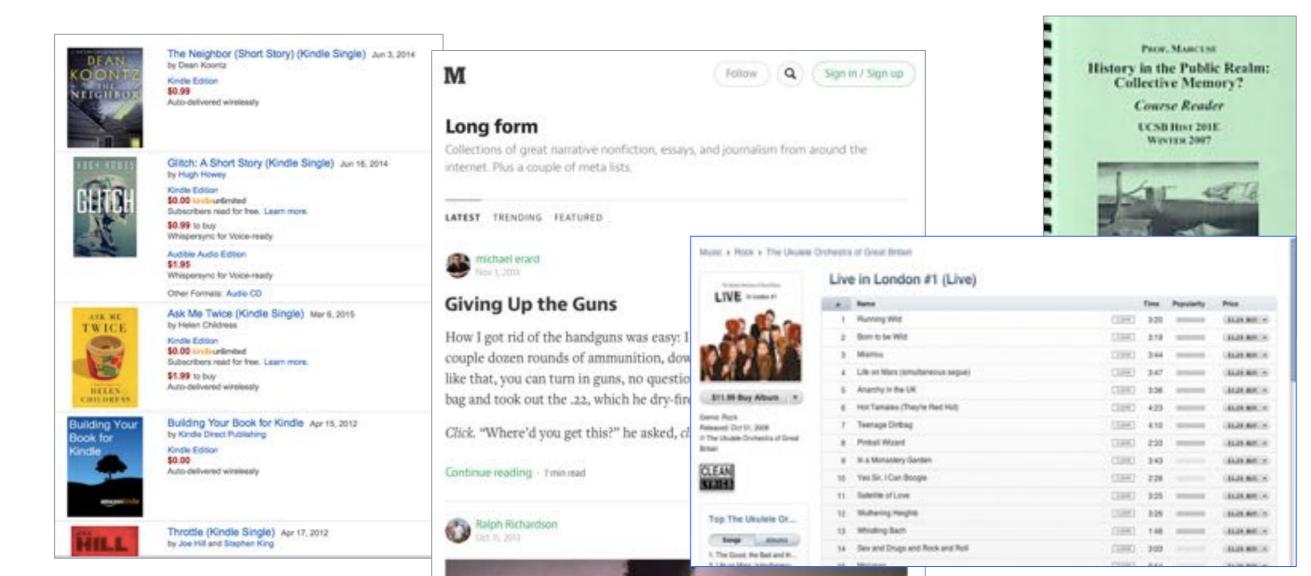
The Disaggregation of Content



The Disaggregation of Content

Return of the "side"

Unbundling the modularities imposed by physical packaging of informational goods.

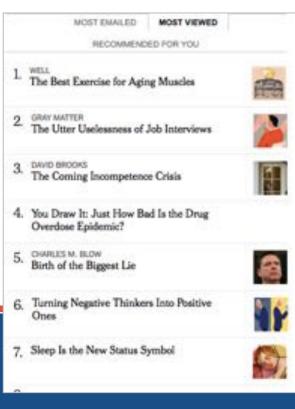


The Disaggregation of Content

Specialized sites displace newspapers as sources of information about sports, business, entertainment, weather, listings, opinion, etc.

Personalization: the daily "me"





The Disaggregation of Content

The rise of "pay per view journalism"

Stories are "naked little creatures that have to go out into the world to stand and fight on their own." Gabriel Snyder, Newsweek

"The traffic game is over, and Buzzfeed has won." Nick Denton





Gawker's "Big Board"

For News Outlets Squeezed From the Middle, It's Bend or Bust

Mediator By JIM RUTENBERG APRIL 17, 2016

Competing for Clicks

At one point on an ordinary Friday, more than 800,000 people were watching two BuzzFeed employees trying to make a watermelon explode with rubber bands.



Earlier this month, a couple of inventive young go-getters at BuzzFeed tied enough rubber bands around the center of a watermelon to make it explode. Nearly a million people watched the giant berry burst on Facebook Live. ...Traditional journalists everywhere saw themselves as the seeds, flying out of the frame. How do we compete with that? And if that's the future of news and information, what's next for our democracy? President Kardashian?

These days, news articles — be they about war, voting rights, the arts or immigration policy... are competing for attention against zany kitchen experiments; your friend's daughter's bat mitzvah; and that wild video of a train whipping through a ridiculously narrow alleyway in India.

FOURTH ESTATE

Why BuzzFeed's Exploding Watermelon Won't Destroy Journalism

Just look at the New York Times' long history of cat coverage. By JACK SHAFER | April 18, 2016

Competing for Clicks

At one point on an ordinary Friday, more than 800,000 people were watching two BuzzFeed employees trying to make a watermelon explode with rubber bands.



... Must all news outlets create their own page view-attracting watermelon trick to hook readers? It's not even clear that exploding watermelons can, by themselves, save journalism. As Rutenberg notes, BuzzFeed appears to be having trouble meeting its revenue goals.

But the "core values" of the New York Times (and other top newspapers) to which Rutenberg refers have long included generous doses of the fun, the frivolous, the entertaining, the diverting and the exploding—just like BuzzFeed.

Jack Shafer, Politico

Kittens Under the Keys OROVILLE, Calif., March 19 (UPI)—There was no music at early mass today at St. Thomas Roman Catholic Church. The parish cat gave birth to five kittens inside the organ.

and a second second



TOMCAT MOTHERS 3 ORPHAN KITTENS; Not Only Poses Willingly for Artist but Adopts Litter of Strangers

Competing for Clicks

The shockwave from the watermelon that BuzzFeed playfully detonated online last week has shaken New York Times media columnist Jim Rutenberg... Must all news outlets create their own page view-attracting watermelon trick to hook readers? It's not even clear that exploding watermelons can, by themselves, save journalism. As Rutenberg notes, BuzzFeed appears to be having trouble meeting its revenue goals.

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4 TRAPPED KITTENS SAVED; Police Extricate Animals Caught Behind a Refrigerator

Nothing new under The Sun

PAGE FINE

Not that the principle is new...





The Future of News

Where Americans get their news

About four-in-ten Americans often get news online N of U.S. adalts who gives per news on each platform Cable, local, network righty Social meshs, vezsites/neps Radio (M) 25 Print newspapers (20)

% of each age group who offen getnews on each platform

| | 18-29 | 30-49 | 50-64 | 65+ |
|------------------|-------|-------|-------|-----|
| TV | 27% | 45% | 72% | 85% |
| Online | 50 | 49 | 29 | 20 |
| Radio | 14 | 27 | 29 | 24 |
| Print newspapers | 5 | 10 | 23 | 48 |

Note: Just 1% said they never got nexis on any platform (not shown). Source: Survey conducted Jan. 12 Feb. 8, 2018. "The Wodern Nexis Consumer"

PEW RESEARCH CENTER

But who is producing the news?





The Future of News

2008: "Free" newspaper readership exceeds paid readership

"We don't have a crisis of audience. We have a crisis of revenue."

"People are used to reading everything on the net for free, and that's going to have to change," Rupert Murdoch, 4/6/09



The Future of News

Economic models for digital newspapers or news gathering:

advertising

"pay wall" (WSJ, NYTimes) or "freemium" (NYT until recently)

pay-per-view via microcredit

monthly "all you can read" for group of publishers à la cable packages

"tax" on ISP fees

Subsidized by foundations & universities

"Last man standing"

Facebook Should Consider Subsidizing and Promoting Local News

It's one way the social network could make up for the damage it's done to journalism.



In sum

Digitization alters the material base...

But how things fall out depends on economic, social, and political setting...

"Conversion" goes genre by genre; digital and analog sit side-byside

Readings for April 20: Shazeda Ahmed

In our discussion of the debate between Google and Axel Springer, we briefly touched upon the potential Google has to turn user data over to the U.S. government. How might concerns about internet surveillance conducted by major technology companies be regarded in the Chinese political context? As a seemingly new system of centralized data collection and credit scoring of citizens emerges, what are some the trade-offs people might make for the sake of convenience and financial inclusion?

2016. "Big data, meet Big Brother: China invents the digital totalitarian state." *The Economist*, Dec. 17.

Ahmed, Shazeda. 2017. "Cashless Society, Cached Data: Security Considerations for a Chinese Social Credit System." *Citizen Lab*, Jan. 20.