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Mar 31st, 3:30 PM - 3:35 PM

Electronic Marginalia

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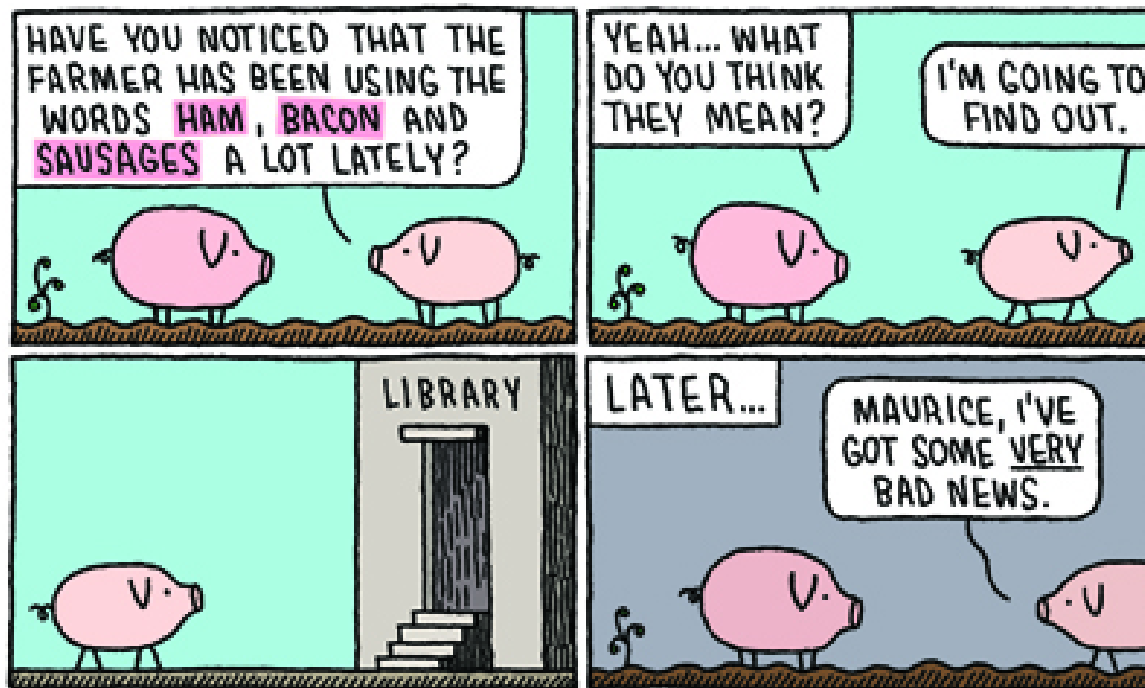
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Electronic Marginalia:

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Online Northwest 2017

Why Annotate

▶ Annotating is Reading for Understanding and for Discussion:

▶ Conventions

Short term: Review and understanding

▶ Comprehending

▶ Contextualizing

Longer term: Significance

▶ Classifying

▶ Critiquing

The long term: Development of expertise
and dialogue

▶ Connecting

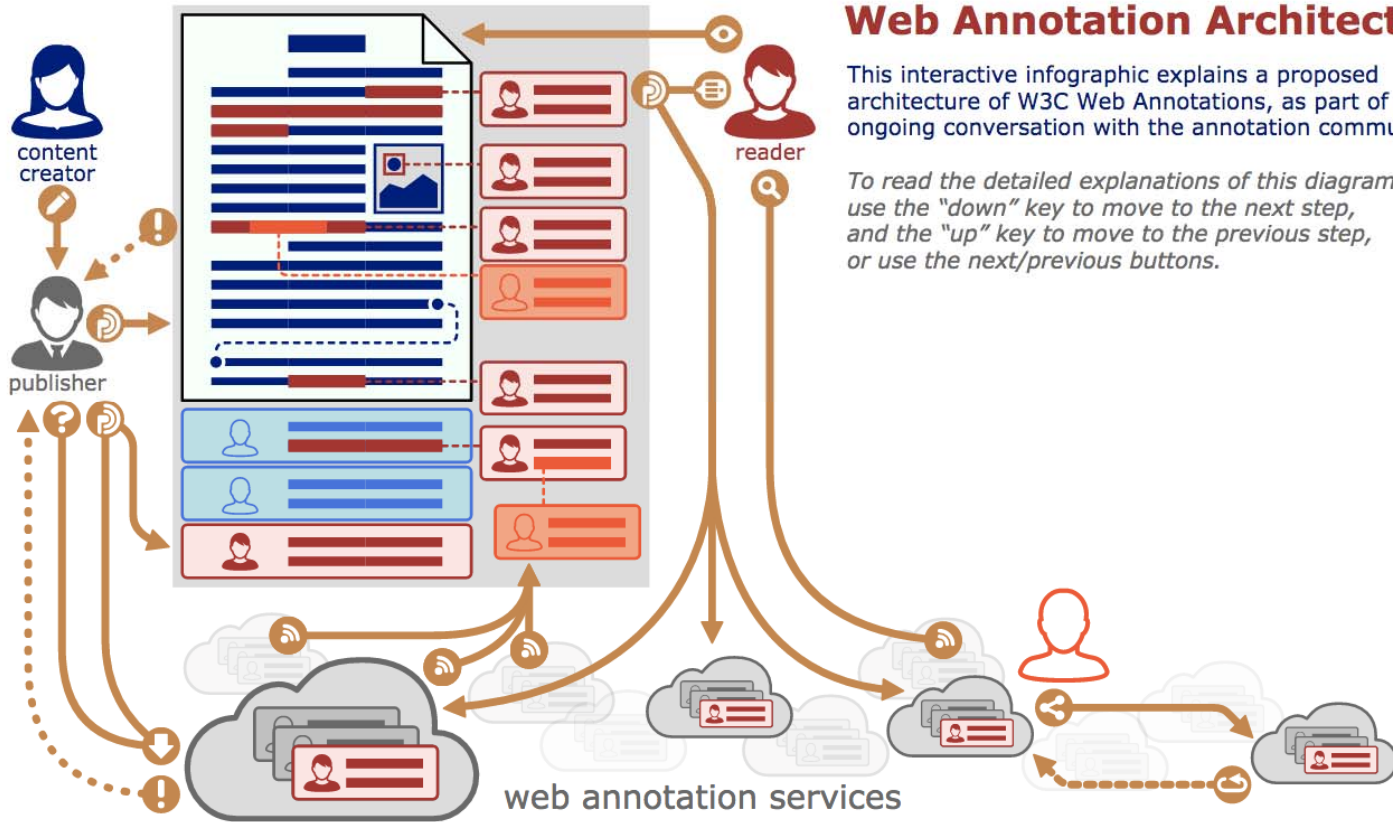
Web Annotation

- ▶ Web Comments
 - ▶ Disqus
- ▶ Fisking
- ▶ Web Annotation
 - ▶ In original vision of the Web (Mosaic)
 - ▶ Now a Web standard developed by the W3C Web Annotation Working Group (2/23/2017)
 - ▶ Open source
 - ▶ Interoperable

What are Web Annotations?

“Traditional annotations are marginalia, errata, and highlights in printed books, maps, picture, and other physical media. Web annotations are an attempt to recreate and extend that functionality as a new layer of interactivity and linking on top of the Web. It will allow anyone to annotate anything anywhere, be it a web page, an ebook, a video, an image, an audio stream, or data in raw or visualized form. Web annotations can be linked, shared between services, tracked back to their origins, searched and discovered, and stored wherever the author wishes; the vision is for a decentralized and open annotation infrastructure.”

<https://www.w3.org/annotation/>



Web Annotation Architecture

This interactive infographic explains a proposed architecture of W3C Web Annotations, as part of an ongoing conversation with the annotation community. ▶

To read the detailed explanations of this diagram, use the "down" key to move to the next step, and the "up" key to move to the previous step, or use the next/previous buttons.

<https://www.w3.org/annotation/diagrams/annotation-architecture.svg>

Annotating with Diigo

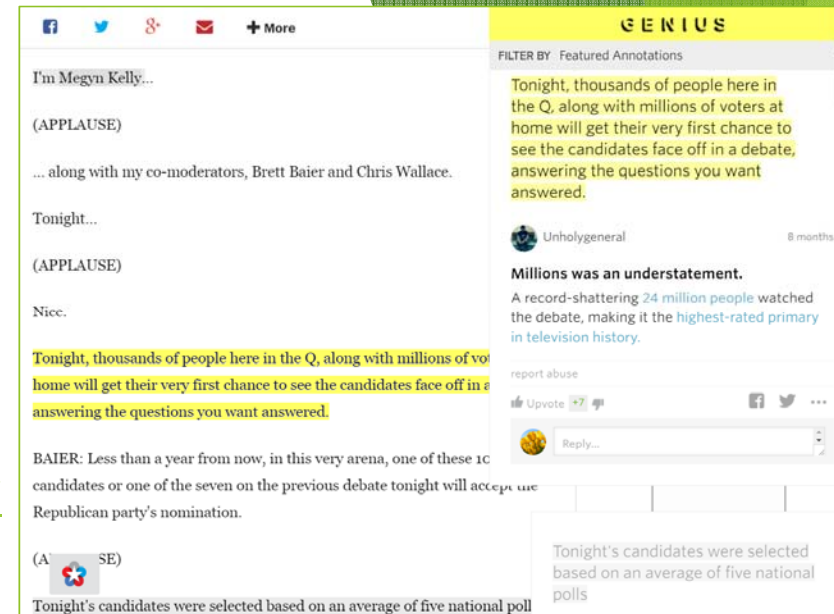
- ▶ Multi-service around since 2006; free/mium service (free [educator accounts](#)), including social bookmarking, online PDF annotation, and web annotation (recent re-focus)
- ▶ Web annotation via sticky note and highlighting
- ▶ Annotations can be private or for a specified group (must be logged in to see)
- ▶ Proprietary markup code, not W3C-standard compliant
- ▶ Chrome & Firefox extensions, Safari, Mobile apps

The screenshot displays a web browser window with a news article titled "Moneyball for Book Publishers: A Detailed Look at How We Read". The article text includes: "habits to radically reshape how publishers acquire, edit and market books." and "“We still know almost nothing about readers, especially in trade publishing,” said Mr. Rhomberg, the founder of Jellybooks, a reader analytics company based in London." Below the text, there are yellow highlights and a sticky note that reads: "Mr. Rhomberg's company is offering publishers the tantalizing prospect of peering over readers' shoulders. ... behavior the same way Netflix watch and Spotify knows". A sharing menu is open over the article, showing options for "Private" and "Group". The "Group" dropdown menu is expanded, listing several groups: "CTLT and Friends", "Diigo In Education", "edumoooc", "Group of Me", "MLMOOC", "teacher-librarians", "tit repository", and "Zotero". The menu also includes a "Post" button and a "Cancel" button. The background of the browser window shows a social media profile for "Electronic Marginlia" by Lorena O'English at Washington State University.

<http://www.nytimes.com/2016/03/15/business/media/moneyball-for-book-publishers-for-a-detailed-look>

Annotating with Genius

- ▶ Document/Image annotation genius.com (lyrics, news, [history](#), literature, sports, screen, tech...)
- ▶ Integrated into other apps such as Instapaper via an API
- ▶ [Web annotation](#)
 - ▶ Genius.it/http://pdxscholar.library.pdx.edu/onlinenorthwest/2017/schedule/19/#annotations:11586763
 - ▶ (proxy)
 - ▶ Chrome extension, browser bookmark, embed, plugins & code
- ▶ Proprietary markup code, not W3C-standard compliant
- ▶ Can embed code so non-Genius users can see annotations ; otherwise must be logged in to see/add ; no private web annotations!
 - ▶ [Educator accounts](#) allow for semi-private, class-specific annotation



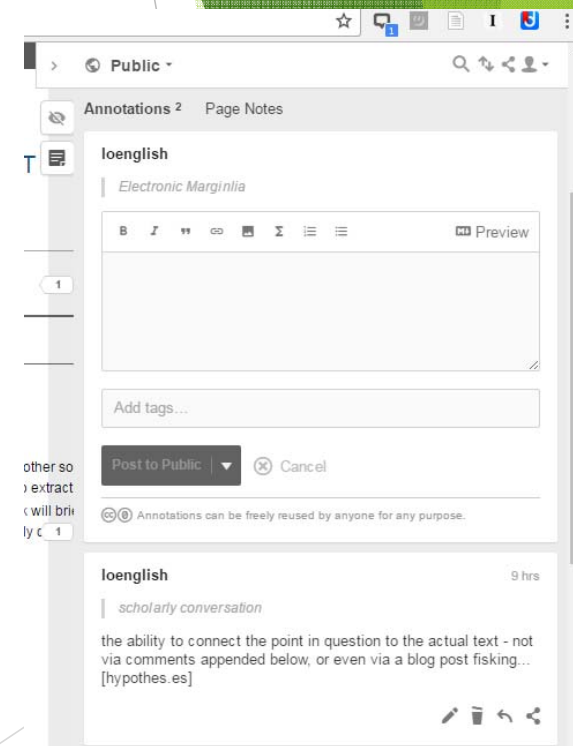
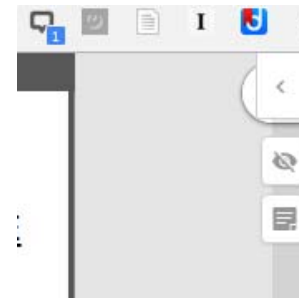
The screenshot shows a news article interface with a yellow Genius annotation overlay. The article text includes: "I'm Megyn Kelly...", "(APPLAUSE)", "... along with my co-moderators, Brett Baier and Chris Wallace.", "Tonight...", "(APPLAUSE)", "Nice.", and "Tonight, thousands of people here in the Q, along with millions of voters at home will get their very first chance to see the candidates face off in a debate, answering the questions you want answered." The Genius annotation, by user "Unholygeneral", states: "Millions was an understatement. A record-shattering 24 million people watched the debate, making it the highest-rated primary in television history." Below the annotation is a poll: "Tonight's candidates were selected based on an average of five national polls".

“Working with Genius allows us to instantly add context to major news events like the upcoming political debate,” said Cory Haik, Executive Director for Emerging News Products. “As we continue to experiment with new ways of storytelling, leveraging this technology helps us more deeply engage readers by providing a unique and comprehensive news experience.”

Annotating with Hypothes.is

#OpenAnnotation

- ▶ The most scholarly of the web annotation systems; part of a coalition of publishers, libraries, and more.
- ▶ Open source, interoperable
- ▶ Private, Public or group-only annotations
- ▶ Chrome extension, Firefox bookmarklet, proxy, embed code
- ▶ Includes online PDF annotation
- ▶ Making a push for use in the classroom (high school and higher education)
 - ▶ Digital Polarization Initiative, SciBot
- ▶ Making a push for use as a mode of post-publication critique and peer review



onlinelibrary.wiley.com/doi/10.1002/jnr.23699/full#annotations:qayS9KLiEeaghKsIXP_mdg

Anti-mouse 568	IgG (H+L) secondary antibody, Alexa-Fluor 568 conjugate	Life Technologies, catalog No. A11031, RRID:AB_10562715; polyclonal
Anti-chicken 647	IgY (H+L) secondary antibody, Alexa-Fluor 647 conjugate	Life Technologies, catalog No. A21449, RRID:AB_1037412; polyclonal
a	Guanosine triphosphate.	

The Envision™ rabbit/horseradish peroxidase (catalog No. K4011; RRID:AB_2298772) consists of a goat anti-rabbit secondary antibody complexed to horseradish 1). This antibody is supplied with the Envision™ kit and has been verified by n.d.). Anti-NeuN (mouse monoclonal; 1:400; catalog No. MAB377; RRID:AB_2298772) and anti-MAP2 (chicken polyclonal; 1:3,000; catalog No. ab5392; RRID:AB_2298772) were used as neuronal markers (Table 1). The details and specificity of anti-MAP2 have been described previously (An et al., 2012; Foxworthy et al., 2011). Alexa dyes (goat anti-rabbit 488 [catalog No. A11034; RRID:AB_10562715; Li Grand Island, NY], goat anti-mouse 568 [catalog No. A11031; RRID:AB_10562715], and goat anti-chicken 647 [catalog No. A21449; RRID:AB_1037412]) were used at 1:1,000 dilution.

Statistical Analysis

All behavioral data are expressed as group mean (±SEM). Behavioral and biochemical data were analyzed by repeated-measures ANOVA (treatment over time) and Bonferroni's post-hoc test compared with a common control (vehicle) unless otherwise specified. Post-hoc overall ANOVA, including all groups, permitted pairwise ANOVA between ...

/via.hypothes.is/https://freeinquiryblog.wordpress.com/#annotations:an6JxgpgEeezwX-UUB8KNA

Public

Annotations 10 Page Notes 1

bfister Mar 16
Genuine higher learning is possible only where free, reasoned, and civil speech and discussion are respected.

There is one important feature from this list, and it's one that has been dismissed as coddling and being "special snowflakes" but actually is really important. People need to feel invited and encouraged to join discussions. There's an affective aspect to creating conditions for learning that is missing from this list with "civil" perhaps being used to convey this element. I'm not sure what word I would add, but perhaps "inviting, supportive, inclusive" - though for some "inclusive" is charged with leftist ideology.

bfister Mar 16
Only through the contest of clashing viewpoints do we have any hope of replacing mere opinion with knowledge.

This "clashing viewpoints" model of creating knowledge is only one way of thinking about it, and it brings to mind those television clashes of pundits where the point is to fight and the goal is to win. It's not a contest. It's not about winning. It's a conversation that grows through learning from and about one another and practicing empathy as well as reason. This statement also implies a kind of pseudo-Darwinian survival of the fittest idea. I much prefer (though it's old-fashioned) Michael Polanyi's notion that science is a republic; I've always felt knowledge in general is at its best a republic that can only thrive where there is good balance of trust and humble doubt.

these unacceptable acts, we have produced and affixed our seal to this document stating core principles that seem to us unassailable in the context of higher education within a free society.

Our statement of principles first appeared in the *Wall Street Journal* on 7, 2017.

The principles are as follows:

Genuine higher learning is possible only where free, reasoned, speech and discussion are respected.

Only through the contest of clashing viewpoints do we have any hope of replacing mere opinion with knowledge.

The incivility and coarseness that characterize so much of American society and culture cannot justify a response of incivility and coarseness on a college campus.

The impossibility of attaining a perfectly egalitarian sphere of

http://onlinelibrary.wiley.com/doi/10.1002/jnr.23699/full#annotations:qayS9KLiEeaghKsIXP_mdg

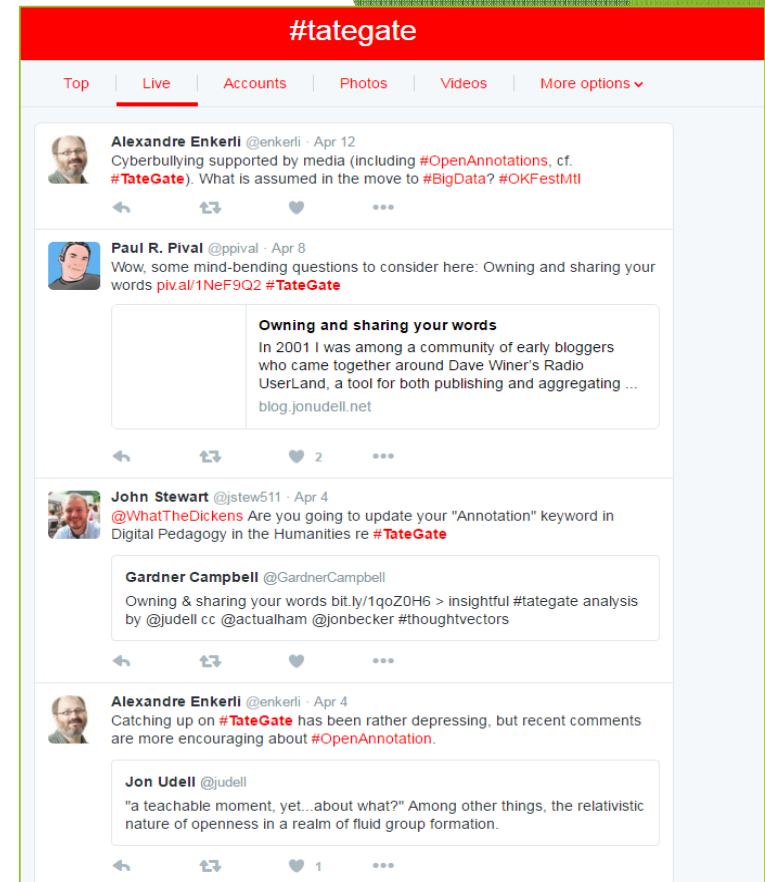
<https://via.hypothes.is/https://freeinquiryblog.wordpress.com/#annotations:an6JxgpgEeezwX-UUB8KNA> to add text

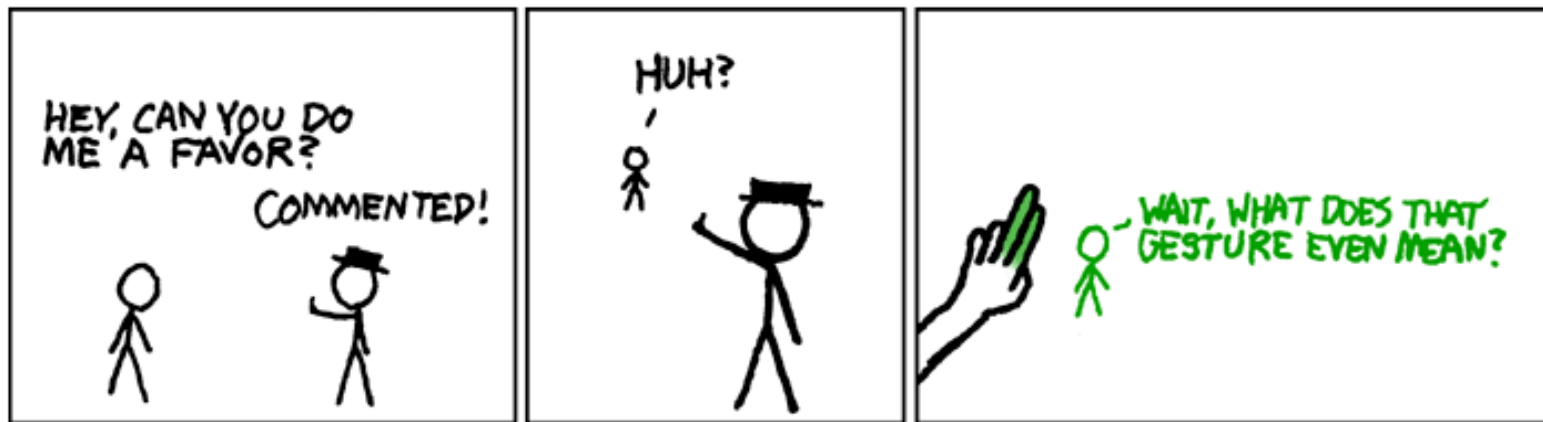
Issues with Web Annotation

- ▶ Identity/Privacy
- ▶ Harassment/Security
- ▶ Intellectual Property
- ▶ Link Rot
- ▶ ??

Romano, Aja. "A Blog Post about Herpes Led to Fierce Debate about Annotations, Harassment, and the Open Web." Vox. 31 Mar. 2016.

<http://www.vox.com/2016/3/31/11336852/genius-annotation-controversy>





PERMANENT LINK TO THIS COMIC: [HTTPS://XKCD.COM/156/](https://xkcd.com/156/)
IMAGE URL (FOR HOTLINKING/EMBEDDING): [HTTPS://IMGS.XKCD.COM/COMICS/COMMENTED.PNG](https://imgs.xkcd.com/comics/commented.png)

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<https://xkcd.com/156/>