

hypothes.is

All knowledge, annotated.

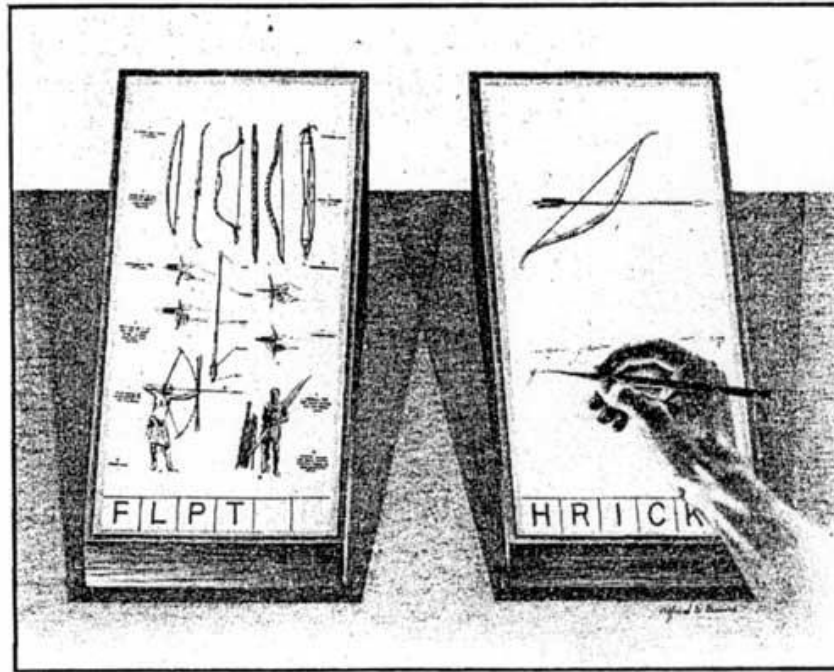
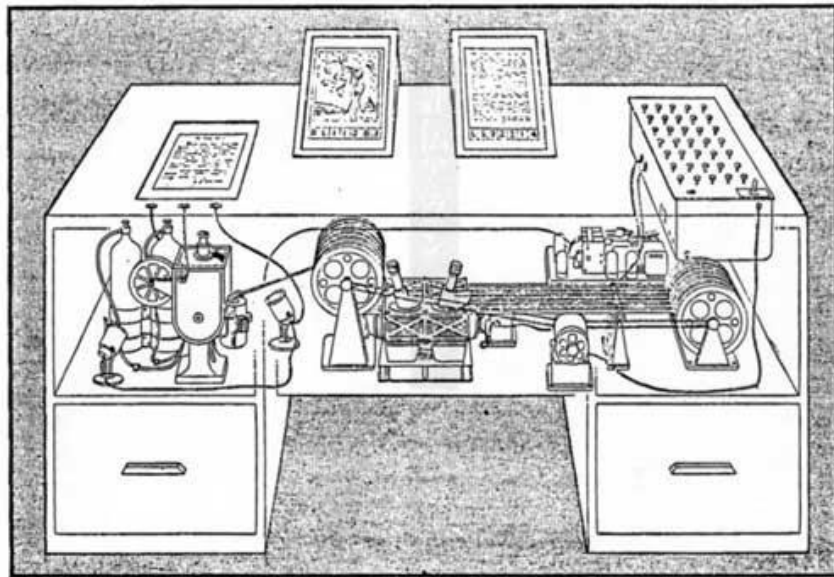
1013

2013

2023

3013





- Only a handful of people know that the big missing feature from the web
- ✔ browser – the feature that was supposed to be in from the start but didn't make it – is the ability to annotate any page on the Internet with commentary and additional information.
 - ✔ Back in 1993, when Eric Bina and I were first building Mosaic, it seemed obvious to us that users would want to annotate all text on the web – our idea was that each web page would be a launchpad for insight and debate
 - ✔ about its own contents. So we built a feature called "group annotations" right into the browser – and it worked great – all users could comment on any page and discussions quickly ensued. Unfortunately, our implementation at that time required a server to host all the annotations, and we didn't have
 - ✔ the time to properly build that server, which would obviously have had to scale to enormous size. And so we dropped the entire feature.

I often wonder how the Internet would have turned out differently if users had been able to annotate everything – to add new layers of knowledge to all knowledge, on and on, ad infinitum. And so, 20 years later, Rap Genius finally gives us the opportunity to find out. It's an ambitious mission, and one we are proud to get behind.

WebkliPPER

SpinSpotter™
IS THAT TRUE?

Marginize
YOUR METAWEB

Shift
Space
1.org

THE
AWESOME HIGHLIGHTER

diigo

Kutano BETA

GOOZY

Bounce

A fun and easy way to share ideas on a website.

ire

NewsTrust

On
News
.Network

trailfire

ICorrect

Setting the record straight

thirdvöice

A.nnotate

Google
sidewiki

hypothes.is/historicalprojects

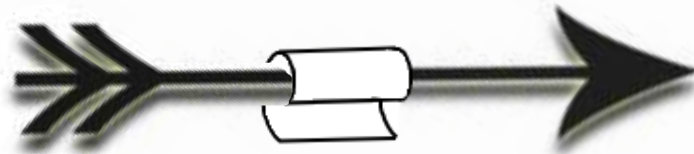
Why we ^{STILL} don't have this.

- No peer-review model.
- Not annotation based.
- No way to link inside things.
- No cold start strategy.
- Not open, not interoperable.
- Poor design.
- Short term thinking.



A non-profit project to
enable community
moderated annotation of the
world's knowledge.

An annotation



address

payload

target

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1 to 1826. And this suffi-
spherical Figures of Glasses

*That fixed Stars because
of their vast distance, are
like points, is very plain
from hence; that when
by the Moon they are Eclipsed
and their Light not very
little and little (as in the
other Planets) vanishes;
Eclipses also being over
they at once or in a
space of 2" or a minute
and is not wholly vi-
sible, although their
Light must be detained
a little in the atmosphere
of the Moon.*

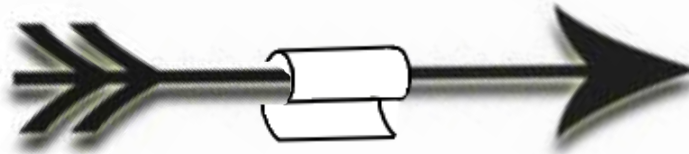
target
(specific
location)

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payload

Digital annotations are addressable

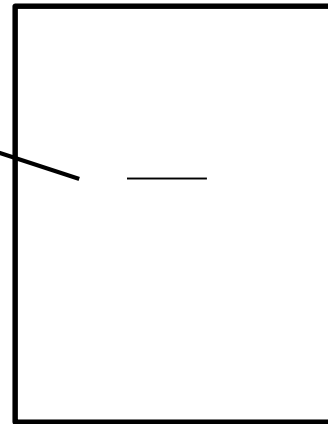
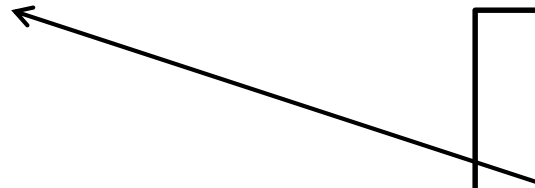
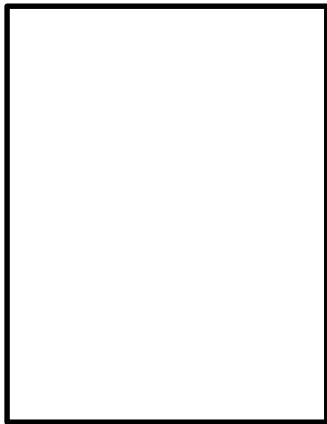


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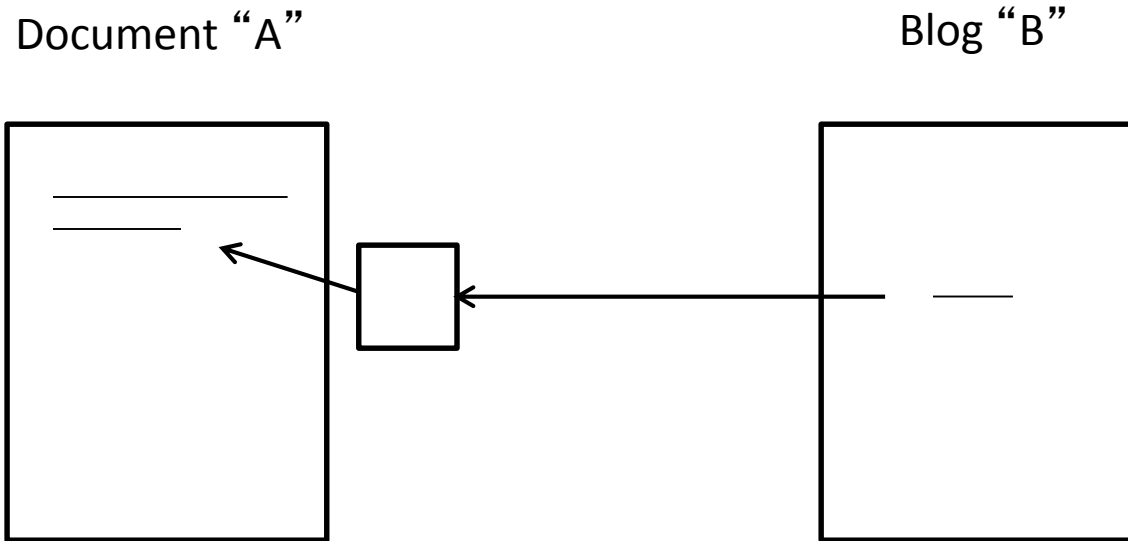


The Free Universal Construction Kit

Now

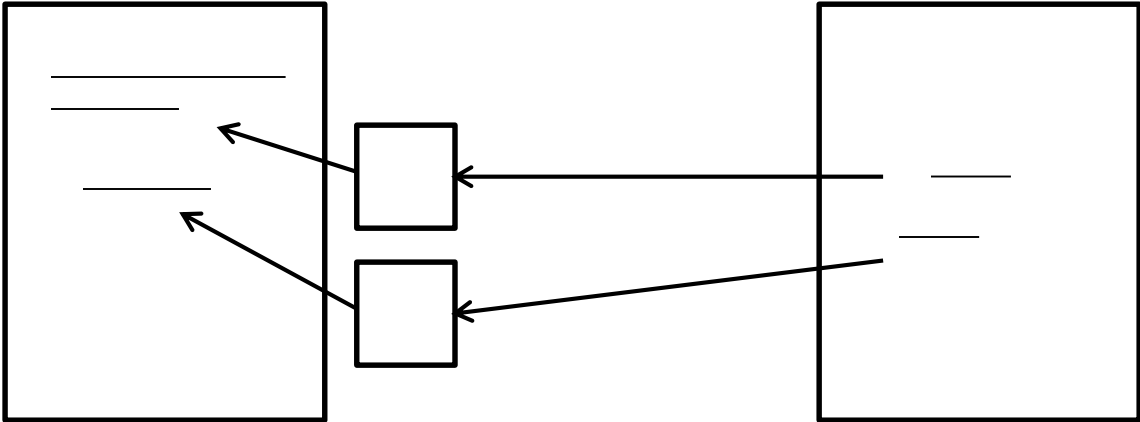


Coming Soon



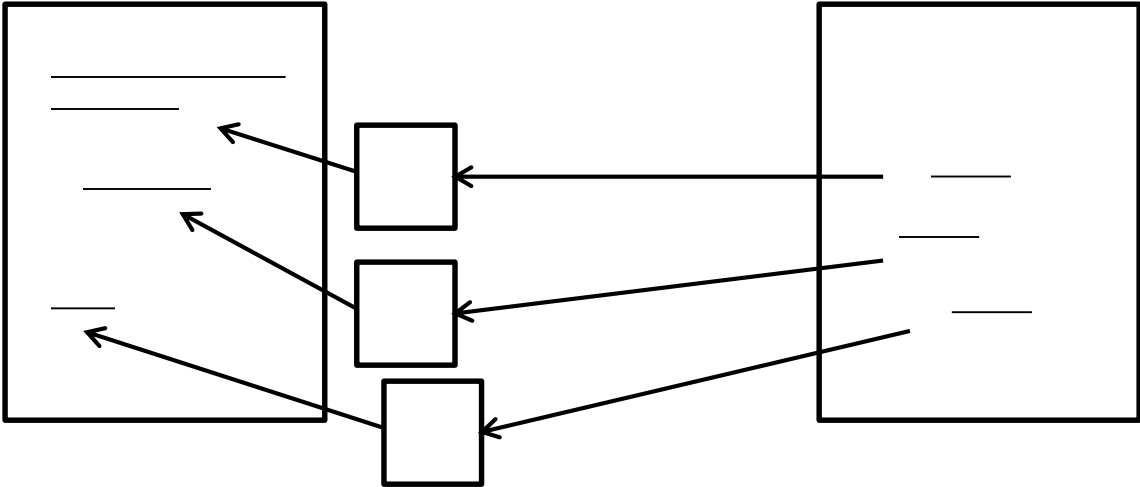
Document "A"

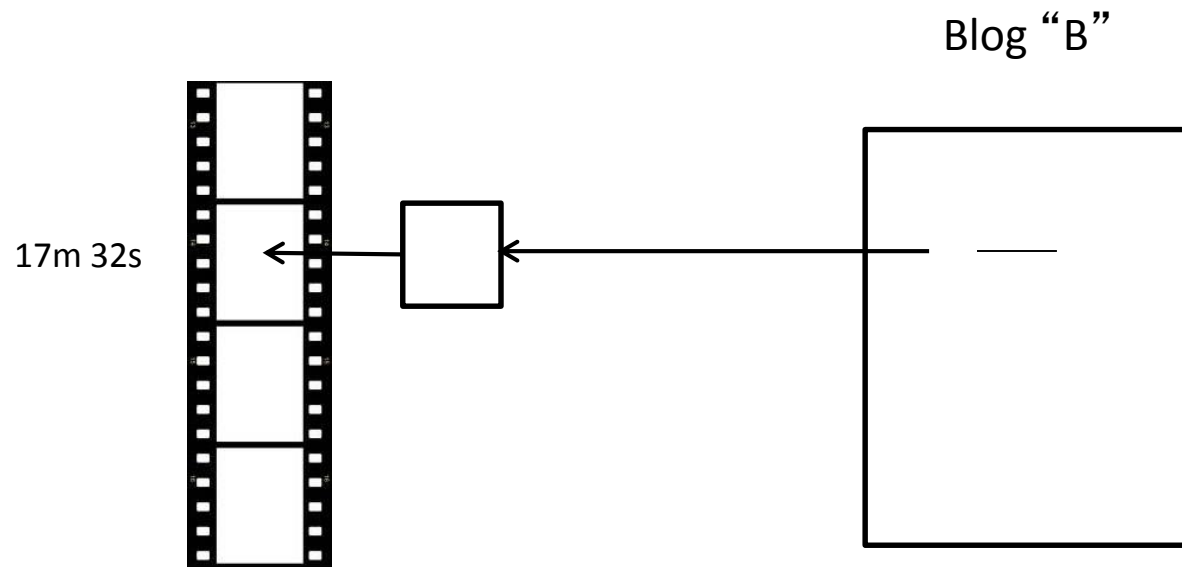
Blog "B"

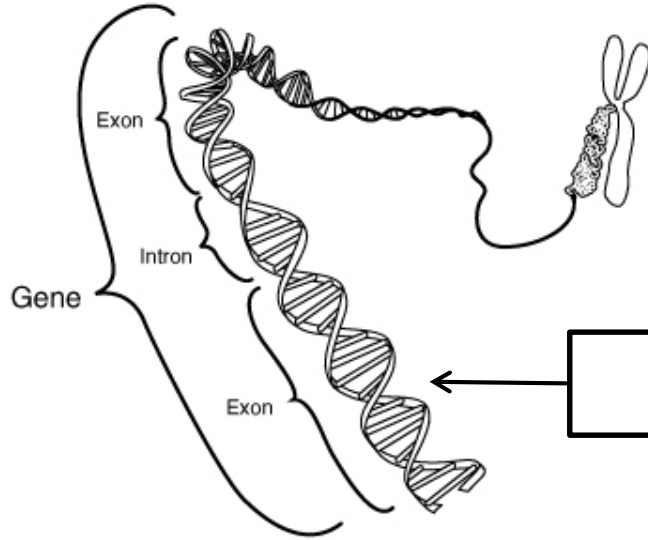


Document "A"

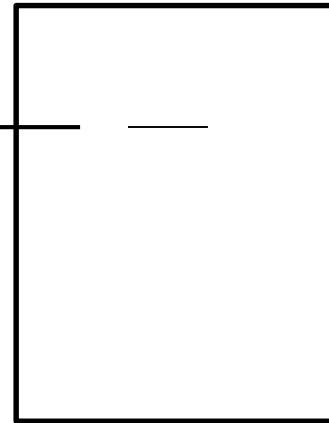
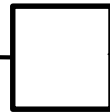
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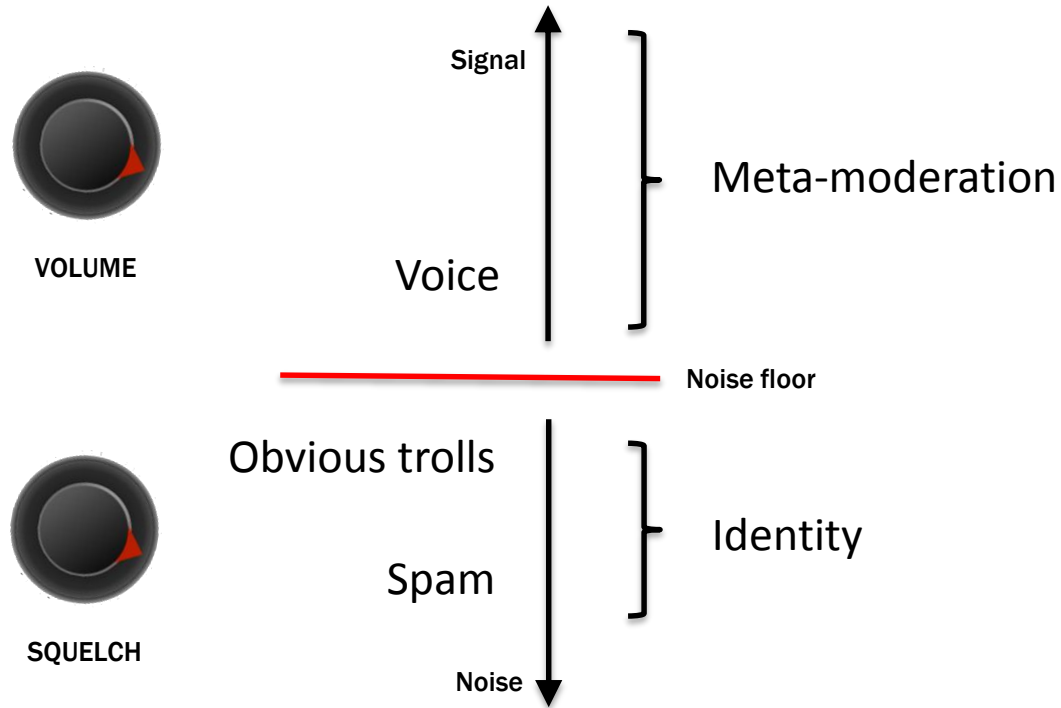




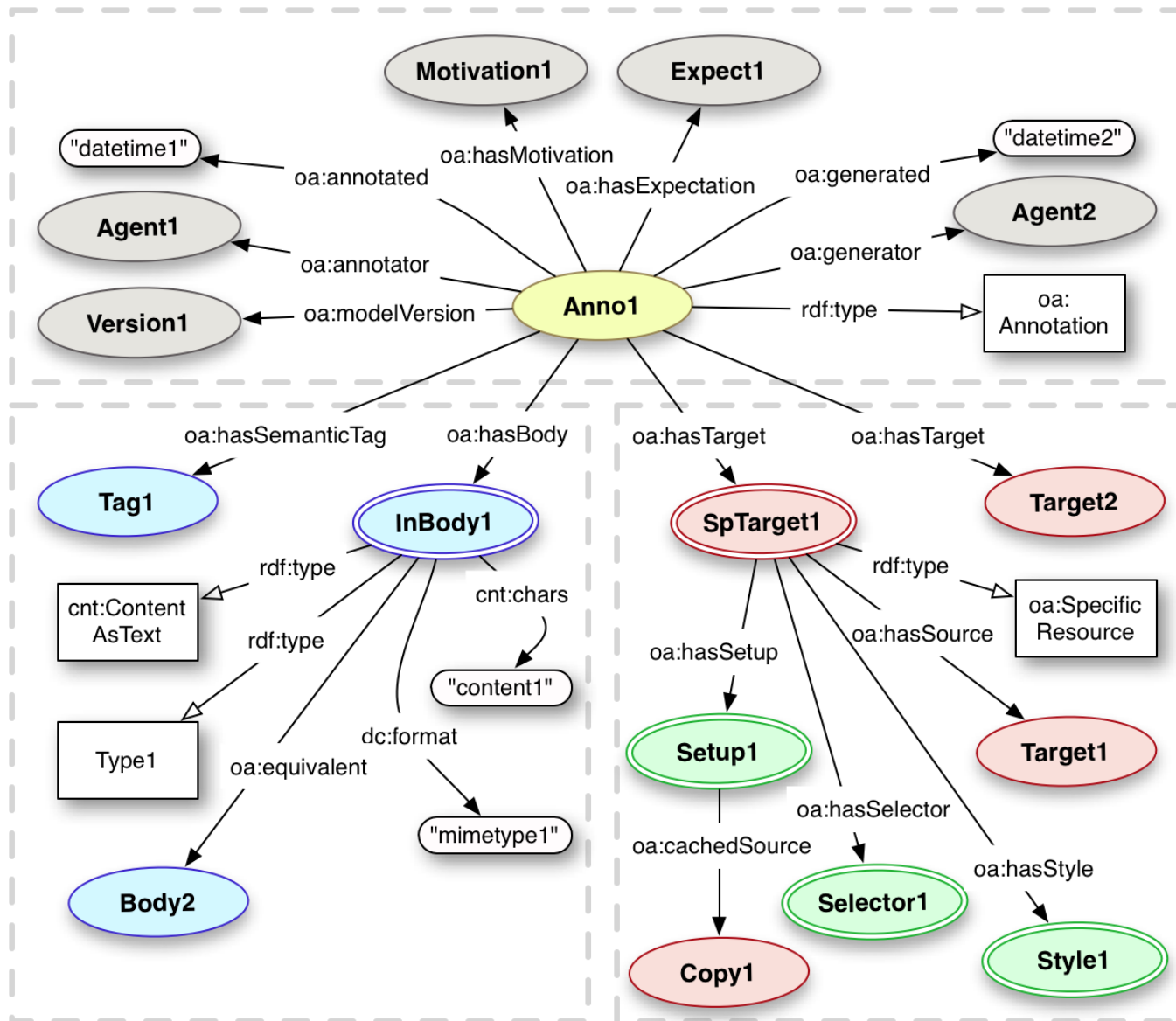
Blog "B"



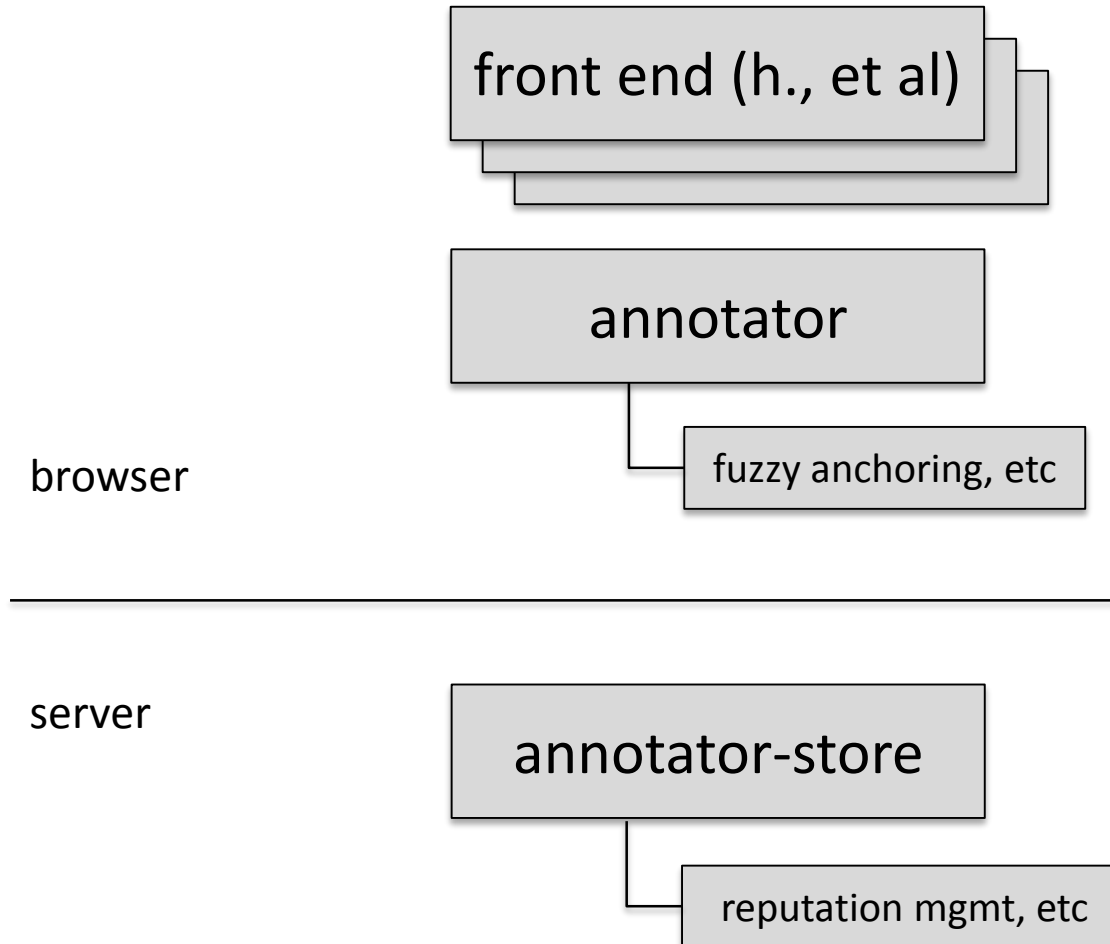
Selecting for quality



w3.org/community/openannotation/



The annotator stack



The future of open annotation

github.com/hypothesis/h

github.com/okfn/annotator
github.com/okfn/annotator-store



github.com/openannotation

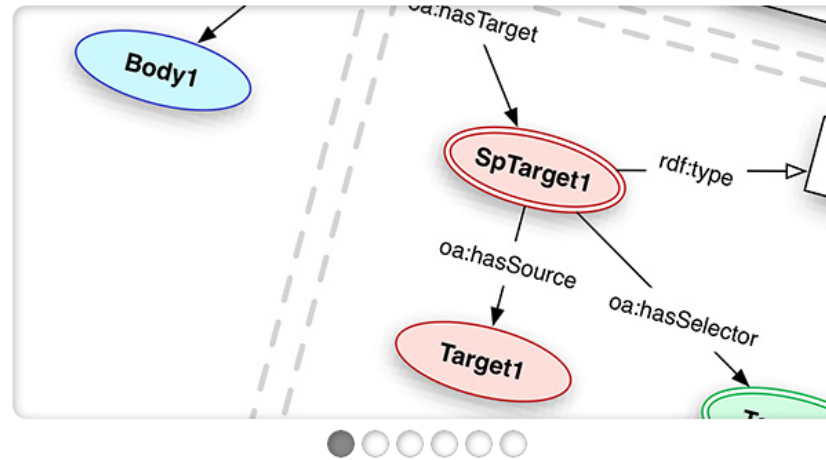
Projects/orgs using annotator's API

- Annotator
 - Hypothes.is
 - Finals Club
 - Annotation Studio (MIT)
 - Max Planck Institute
 - UMiss school of Pharmacy
 - University of Queensland
- In consideration:
- edX (MIT / Harvard / Stanford online educ.)
 - Financial Times (ft.com)
 - PLOS
 - PeerJ
 - eLife
 - BerkeleyX data reproducibility project
 - Many others...

I ANNOTATE

ANNOTO ERGO SUM

APRIL 10-12, 2013, SAN FRANCISCO, CA



BUILDING A COMMUNITY TO ENABLE THE
ANNOTATION OF THE WORLD'S KNOWLEDGE

OVERVIEW

AGENDA

LOCATION

ATTENDEES

FUNDED BY A GENEROUS GRANT FROM THE [ANDREW W. MELLON FOUNDATION](#)

CONTACT: INFO@IANNOTATE.ORG

Solving for ...

- High volume
- Personal > group > global contexts
- Minor & major doc changes
- Cross-format content (HTML & PDFs)
- Combining anchored & unanchored
- Extension vs embedded
- Using the community to moderate the conversation
- The cold start

DEMO

Archival permanence

Secured understanding with:

- Internet Archive
 - 301works.org domain assumption
 - Backup of all public annotations
 - Versioning/memento of resources at every annotation

Other potential trusted repositories

- Hathi Trust (academic audience)
- Common Crawl (for computing against our corpus)

Five strategies for the next 12 months

- Build what end users want, get traction.
- Engage with publishers that might embed.
- Understand the specific needs of communities of practice.
- Develop code and APIs that are reusable and accessible at many layers for different purposes. Nurture the annotation ecosystem.
- Understand what it takes to move to the browser.

Market segments

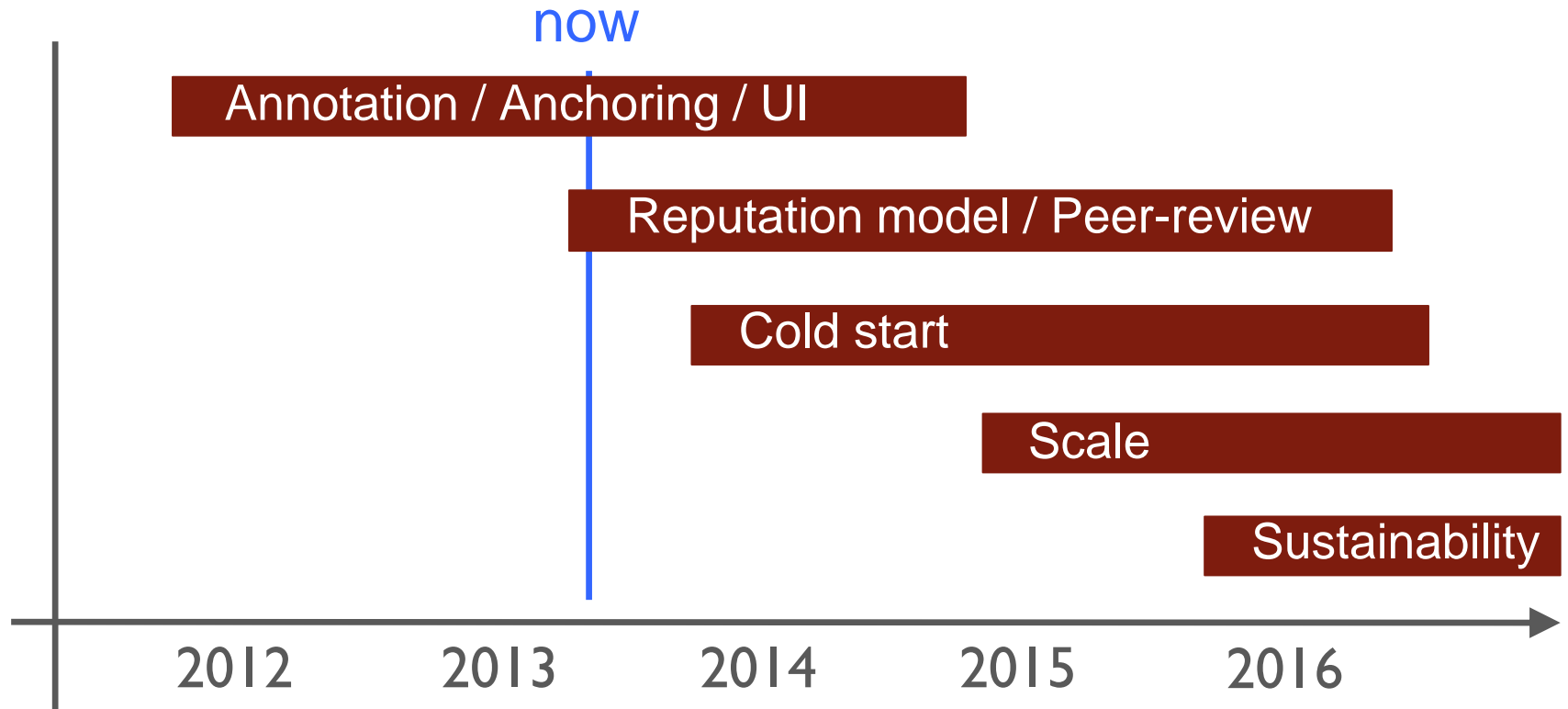
- End users
 - Open web environment
- Community/Domain
 - Verticals: science, humanities, journalism, open government, etc.
 - Horizontals: students, researchers, publishers, citizens, employees, etc.
- Publisher engagement (those who might embed)
 - Individual organizations or groups
- Commercial/Government opportunities
 - Firms or sectors that are knowledge intensive

Publishing cases

Publishing cases diverge between pre-pub and post-publication scenarios.

- Authorship – Annotation is perfect for the collaborative process of writing & revision control between multiple authors.
- Pre-pub - peer review easiest at new journals. Same infrastructure to deliver post-publication support.
- Pre-print - commentary can function as informal peer review; a gateway to formal consideration.
- Post-pub - peer review / commentary.

5 year roadmap



Fundraising targets

- FY 2012 (till June 2012) - \$240k / done
- FY 2013 (till June 2013) - \$800k / done
- FY 2014 (till June 2014) - \$2M / 30% of target
- FY 2015 (till June 2014) - \$5M
- FY 2016-7 target for sustainability

Sustainable Revenues

1. Real time access to the global firehose
2. Enterprise edition
3. Custom development
4. Comment widget replacement
5. Analytics & Research services

And of course...

6. Direct member contributions (ala Wikipedia)

Contributors

Peter Brantley

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Susan Nesbitt

Michael Shavlovski

Nick Stenning

Ed Summers

Jehan Tremback

Gergely Újvári

Dan Whaley

... *And many more*

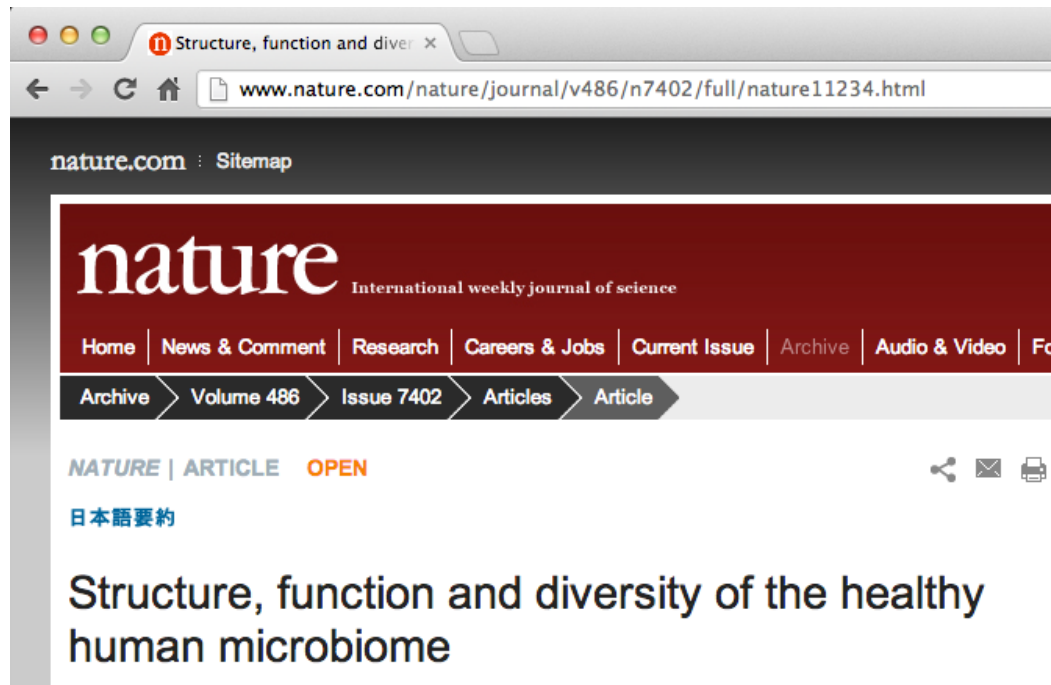
Board of Directors

John Perry Barlow – Founder, EFF

Gerry Percy – Founder, Odwalla

Backup...

It should be where we are.



The image shows a screenshot of a web browser displaying a Nature journal article. The browser's address bar shows the URL: www.nature.com/nature/journal/v486/n7402/full/nature11234.html. The page header includes the Nature logo and the tagline "International weekly journal of science". A navigation menu contains links for Home, News & Comment, Research, Careers & Jobs, Current Issue, Archive, Audio & Video, and For. Below this, a breadcrumb trail shows the path: Archive > Volume 486 > Issue 7402 > Articles > Article. The article title is "Structure, function and diversity of the healthy human microbiome". The text "NATURE | ARTICLE OPEN" is visible, along with a link for a Japanese summary ("日本語要約"). Social sharing icons for a share button, email, and print are also present.

nature.com : Sitemap

nature International weekly journal of science

Home | News & Comment | Research | Careers & Jobs | Current Issue | Archive | Audio & Video | For

Archive > Volume 486 > Issue 7402 > Articles > Article

NATURE | ARTICLE OPEN

日本語要約

Structure, function and diversity of the healthy human microbiome

Select some text.

Studies of the human microbiome have revealed the microbes that occupy habitats such as the gut, skin, and mouth. Although diet, environment, and genetics are implicated, the exact mechanisms are still unclear. Accordingly, to characterize the Human Microbiome Project has analyzed relevant body habitats so far. We found that microbes vary widely even among family members and among individuals. The project er

Contribute our thinking.

The screenshot shows a web browser window with a single tab labeled 'diver x'. The address bar contains the URL 'om/nature/journal/v486/n7402/full...'. The browser's toolbar includes icons for back, forward, home, search, and various social media and utility extensions. Below the browser, a comment interface is visible. On the left, a play button icon and the text 'dwhly' with a dropdown arrow are present. The main content area features a quote: 'Much of this diversity remains unexplained, although diet, environment, host genetics and early microbial exposure have all been implicated.' Below the quote, the name 'dwhly' is displayed above a text input field containing the comment: 'Actually, Johnson et al 2007 provides an excellent explanation.' At the bottom of the comment box are two buttons: 'Save' (with a checkmark icon) and 'Cancel' (with an 'X' icon). The background of the page shows fragments of text, including 'n and c', 'Consortium', 'responding', '012) | doi:10.', 'cepted 16 Ma', 'Rights &', and 'rsity of healthv'.

Have a discussion.

The screenshot shows a web browser window with a discussion thread. The browser's address bar shows the user 'dwhly'. The main content area features a quote: "Much of this diversity remains unexplained, although diet, environment, host genetics and early microbial exposure have all been implicated." Below the quote is a reply from user 'SJGould' dated Tuesday, July 10, 2012. The reply discusses Sigmund Freud's observations on the history of science. Below this is another reply from 'dwhly' dated Thursday, July 12, 2012, which is threaded to 'RDawkins' reply from Tuesday, July 10, 2012. 'RDawkins' reply states that complex, statistically improbable things are more difficult to explain than simple, statistically probable things. 'dwhly' replies to 'RDawkins' saying "Richard... I totally disagree." At the bottom, a reply from 'cdarwin' dated Tuesday, July 10, 2012, begins with "I believe that species come to be tolerably well-defined objects, and do not at any one period present an inextricable chaos of varying and intermediate links: firstly, because new varieties are very slowly formed, for variation".

2012

“ Much of this diversity remains unexplained, although diet, environment, host genetics and early microbial exposure have all been implicated. ”

SJGould Tuesday, July 10, 2012

“Sigmund Freud often remarked that great revolutions in the history of science have but one common, and ironic, feature: they knock human arrogance off one pedestal after another of our previous conviction about our own self-importance. In Freud's three examples, Copernicus moved our home from center to periphery, Darwin then relegated us to 'descent from an animal world'; and, finally (in one of the least modest statements of intellectual history),

7 replies

dwhly Thursday, July 12, 2012

Threaded

RDawkins Tuesday, July 10, 2012

Complex, statistically improbable things are by their nature more difficult to explain than simple, statistically probable things.

1 reply

dwhly Thursday, July 12, 2012

Richard... I totally disagree.

cdarwin Tuesday, July 10, 2012

I believe that species come to be tolerably well-defined objects, and do not at any one period present an inextricable chaos of varying and intermediate links: firstly, because new varieties are very slowly formed, for variation

Link to it.

- [AmlKawaiiUguuu](#) about 20 hours ago
http://www.economist.com/content/chinese_eq

3 replies


- [green_flash](#) about 19 hours ago

<https://hypothes.is/h/a/9eje9ejedoido> 

If you look at GDP per capita, it's actually not that bad. Even the poorest province (Guizhou) is still on the same level as India. And with the exemption of city states like HK, Macau, Shanghai, Beijing and Tianjin no province is richer than 4 times the poorest.

Share it.



 **Dan Whaley**
@dwhly

EO Wilson weighs in on PLoS One: impact of evolutionary size variation on load carrying ants ... hypothes.is/a/833KH2sf

Reply Delete Favorite Pocket

1:29 PM - 9 Jan 13 · Embed this Tweet

PLOS ONE: How Load-Carry... x

www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal... x

NYTClean Hacking Society Trai h.alpha Contribute h links clothes newz Other Bookmarks

German Research Foundation
<http://www.dfg.de/en/>). The fu
decision to publish, or preparation of

1

Competing interests: The authors I
* E-mail: moll.karin.home@gmail.com

Introduction

The fitness of an animal primarily de
insects, individual workers are resp
therefore its survival. Hence, the bel
natural selection to maximize the
central-place foragers, the tra
part of the energetic cost of foraging
therefore essential for the understan
locomotion and transport rates has t
pergandei [3], *Atta colombica* [4], *At*
mellifera [8], [9]). However, when ins
located away from the body centre,
Hence, in addition to the direct effe
loads may increase the insects' risk
transport of loads, as previously sug
although stability during locomotion
[11].

In order to maintain static stability d
centre of mass needs to lie within th
it can cling to the ground) [11]. Unlik
seem to maintain static stability duri
stability is a supporting tripod; many
and hind legs of one side moving in
shift of the centre of mass has been

antonymous

“ The effects of load size on locomotory performance are therefore essential for the understanding of foraging economics ”

antonymous 1 hour ago.

For such optimal behavior to be selected in individual members of a colony, it is necessary that any and all selective pressures on a colony reduce directly to its individual workers and, further, that no interaction effects exist among workers.

3 replies

EO Wilson 28 minutes ago.

Perhaps you've seen my paper on this? The physical castes have been generated by a large evolutionary increase in size variation accompanied by the adoption of relatively elementary rules in allometry and allometry. The increase in caste diversity beyond that possessed by monomorphic attines serves the relatively narrow primary function of cutting and treating fresh vegetation for use as the fungal substrate.

1 reply

antaholic 23 minutes ago.

On the other hand, I think the functions of previously unstudied or poorly understood organs can be inferred. It consists of noting in which size classes the organs are maximally developed, then determining the labor specializations of the size classes.

Embed it.

plosone.org / [PLOS ONE: How Load-Carrying Ants Avoid Falling Over: Mechanical ...](#)

“ The effects of load size on locomotory performance are therefore essential for the understanding of foraging economics

anonymous

Jan 3, 2013 9:10am

For such optimal behavior to be selected in individual members of a colony, it is necessary that any and all selective pressures on a colony reduce directly to its individual workers and, further, that no interaction effects exist among workers.

[View Annotation from: test.hypothes.is](#)

Survive (minor) changes.

The quick brown fox jumps over the lazy dog.

Survive (minor) changes.

The quick brown fox jumps over the lazy dog.

Survive (minor) changes.

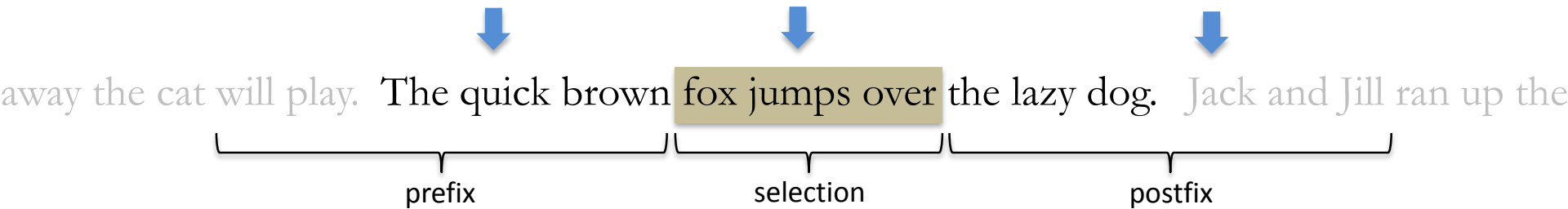
The quick brown fox jumps over the lazy dog.

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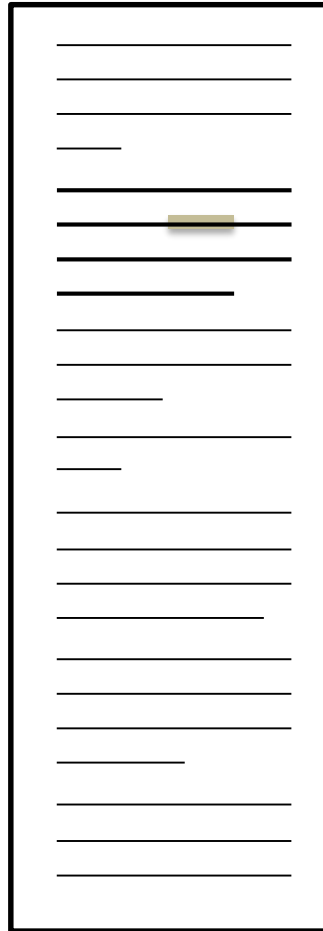
away the cat will play. The quick brown fox jumps over the lazy dog. Jack and Jill ran up the



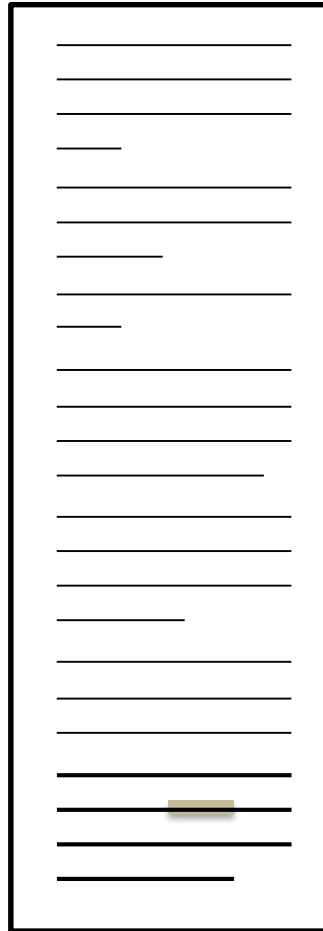
Survive (minor) changes.



Survive larger edits



Survive larger edits



Annotate anywhere, view everywhere

