

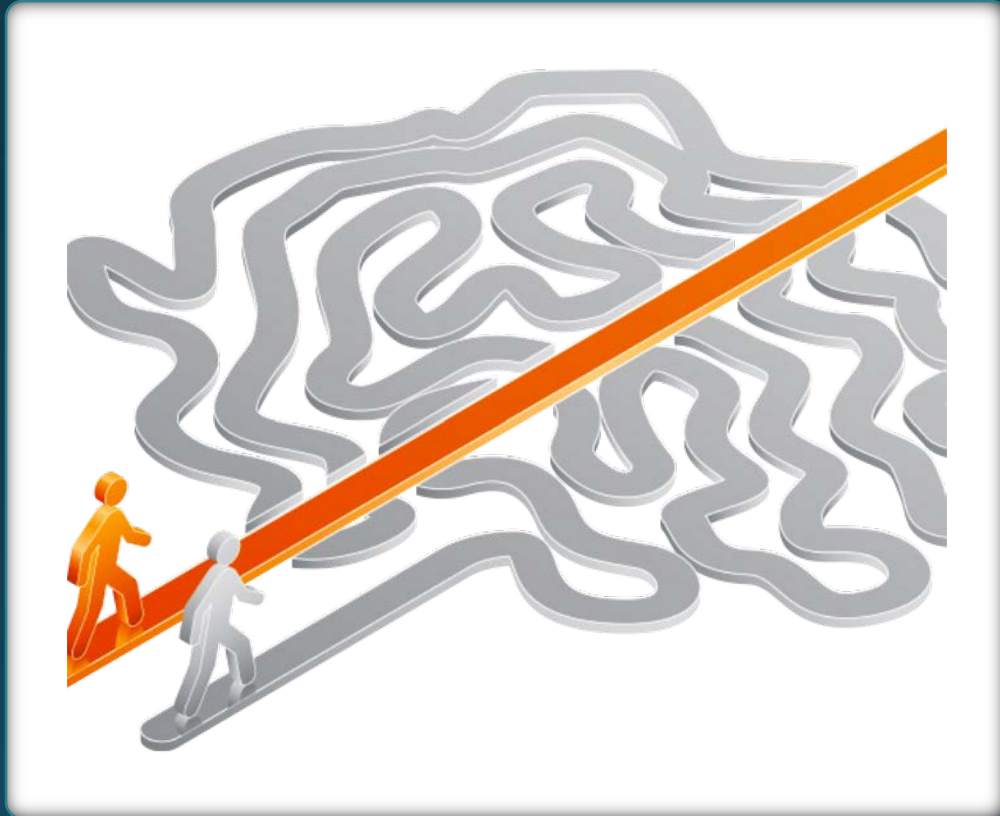
# Third Iron

advanced library technologies

## Using AI for the Fastest, Most Reliable Article Linking From Any Point of Discovery

Kendall Bartsch  
Co-founder, CEO  
[kendall@thirdiron.com](mailto:kendall@thirdiron.com)

# Third Iron Mission: Best Linking



---

Use AI-based technology to provide the best, fastest, and most reliable links to full text articles from any point of discovery, in or outside the library

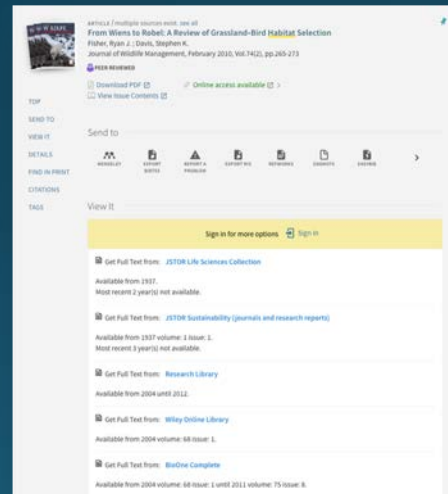
---

Facilitate use of LibKey by popular open web discovery services so researchers can easily connect to library content

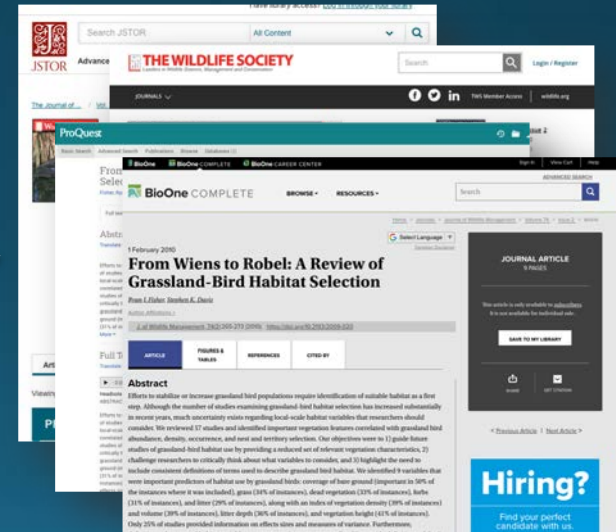
# Link resolver fail points



Using link resolvers with library services



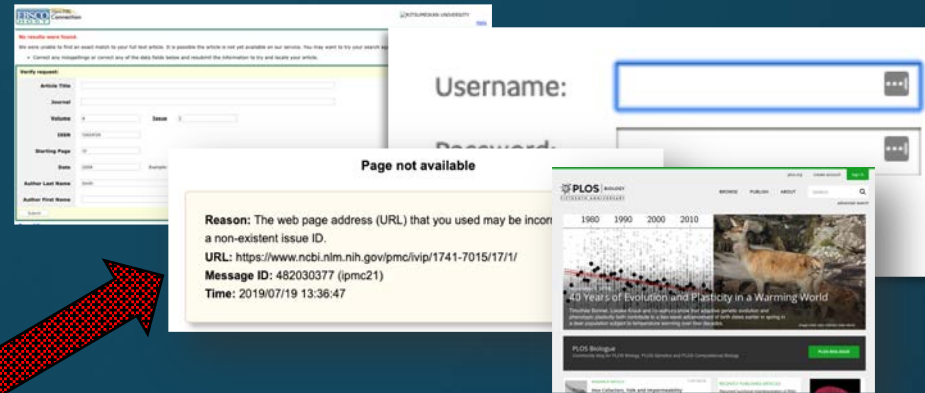
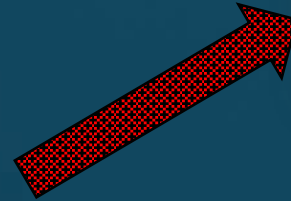
Overlapping sources filled with library jargon confuses users.



A different experience from different publishers, including pop-up ads adding clicks and confusion



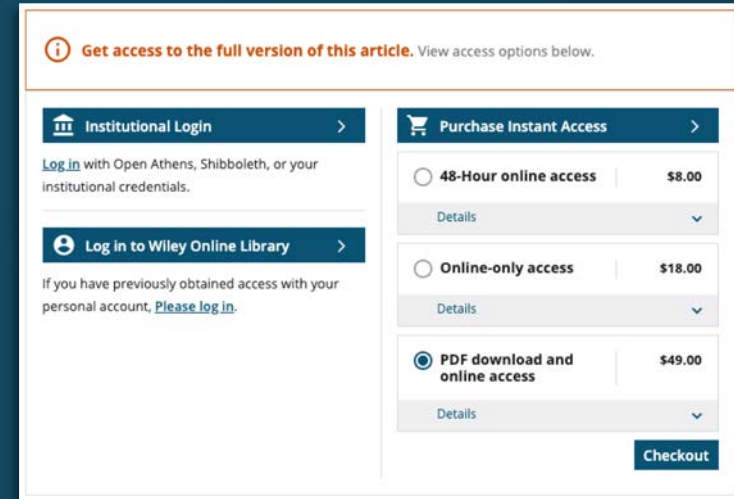
PDF ultimately found... but at the expense of user time and frustration



# Open web fail points



Open web sources



No apparent access options



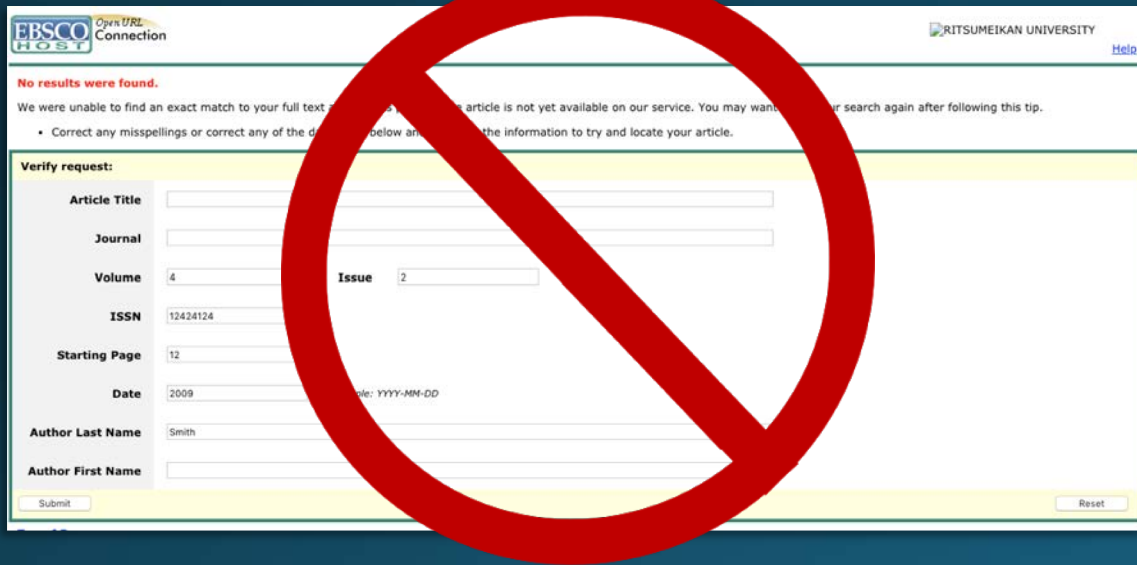
Ignores aggregated sources

# LibKey: New AI-based linking technology



- Identifier-based linking
- Draws on knowledge bases of library entitlements, authentication, open access availability, and retraction status
- Delivers one-click access to millions of subscribed and Open Access articles
- Links to best available source
- May be integrated in all library discovery services and databases

# Prevents Common OpenURL Linking Errors



- Worked with EBSCO to develop a technology that confirms availability of article from EBSCO before a link is created
- Delivers significantly more reliable, faster linking directly to the PDF within EBSCOhost
- Intelligent link construction avoids OpenURL errors with content types such as articles in press



# Comprehensive Open Access Linking

- Draw from multiple Open Access sources to create the most paths to content
- Linking available even if the library does not include the title in their A-Z source list
- Avoids dead link problems due to sources like DOAJ not reporting coverage information
- Analytics of Open Access usage



# Retraction Alerting

- Retraction knowledge base creates alert at point of access
- Special interstitial screen makes retraction obvious
- Signposting will occur through all of Third Iron's products and will be available on the API for third-party developers and libraries to utilize.

ACCESS PROVIDED BY

EDUCATION  
YOUR SLOGAN HERE

Twin Cities University  
[Not your institution?](#)

**Retracted**

[Find another article?](#)

**Retraction Details (learn more):**

[OFFICIAL RETRACTION NOTICE](#)

[RETRACTION WATCH RELATED ARTICLE](#)

**Reasons for retraction:**

- Duplication of Data
- Error in Text
- False/Forged Authorship
- Investigation by Company/Institution
- Upgrade/Update of Prior Notice

**Full Text Format Options:**

[DOWNLOAD PDF](#)

[ARTICLE LINK](#)

**Discover More:**

[VIEW ARTICLE IN CONTEXT](#)

[Trouble? See all content access options for this article](#)

6

**ARTICLE**

**Fast LC-MS quantitation of glucose and glycerol via enzymatic derivatization**

Chiles, Eric ; Wang, Yujue ; Kalembe, Katarzyna M ; Kwon, Hyokjoon ; Wondisford, Fredric E ; Su, Xiaoyang

Analytical biochemistry, 2019-06-15, Vol.575, p.40-43

“ ... ) detection of glucose and glycerol presents challenges. Here, we propose an efficient LC-MS method of quantitative glucose and glycerol detection via enzymatic derivatization to glucose-6-phosphate and sn-glycerol-3-phosphate, respectively...”

**PEER REVIEWED**

[Retracted Article](#) [Online access available](#) [View Issue Contents](#)



# LibKey with Library Services



Library Services:  
Discovery,  
Databases

Fast, Reliable, One-Click  
Access to Content



# Linking from Open Web sources



Open Web Sources



Scholarly webpages



Public discovery services



# Popular New Public Discovery Services Using LibKey



# LibKey with Library Services



Library Discovery  
Services, Databases



Fast, Reliable, One-Click  
Access to Content



Open Web  
Discovery



- ✓ Saves researchers valuable time
- ✓ Minimizes help desk requests
- ✓ Reduces unnecessary ILL requests
- ✓ Connects more users to library content
- ✓ Keeps library at center of research workflow



# Thank you!

# Questions?

Kendall Bartsch  
Co-founder, CEO  
[kendall@thirdiron.com](mailto:kendall@thirdiron.com)