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Publishing Undergraduate Research: What Could Possibly Go Wrong?

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PUBLISHING
UNDERGRADUATE RESEARCH
What could possibly go   wrong?

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Library Publishing Coalition   #LPForum16   Allegra Swift | Claremont Colleges Library
2016 Forum | Denton, TX   @allegraswift   Claremont University Consortium

Intro:
- What we should and should not be concerned with in terms of online and open undergraduate research.
- How we should shift discussion from fear to support
- Students, scholars, researchers, and publishing programs can reap the benefits of digital scholarship as we support advocacy and education in digital citizenship

Aside: images (non-undergrad research) credited at the end of the presentation illustrate some of the things you can be afraid of instead.

flickr.com/photos/internetarchivebookimages/14779981754/
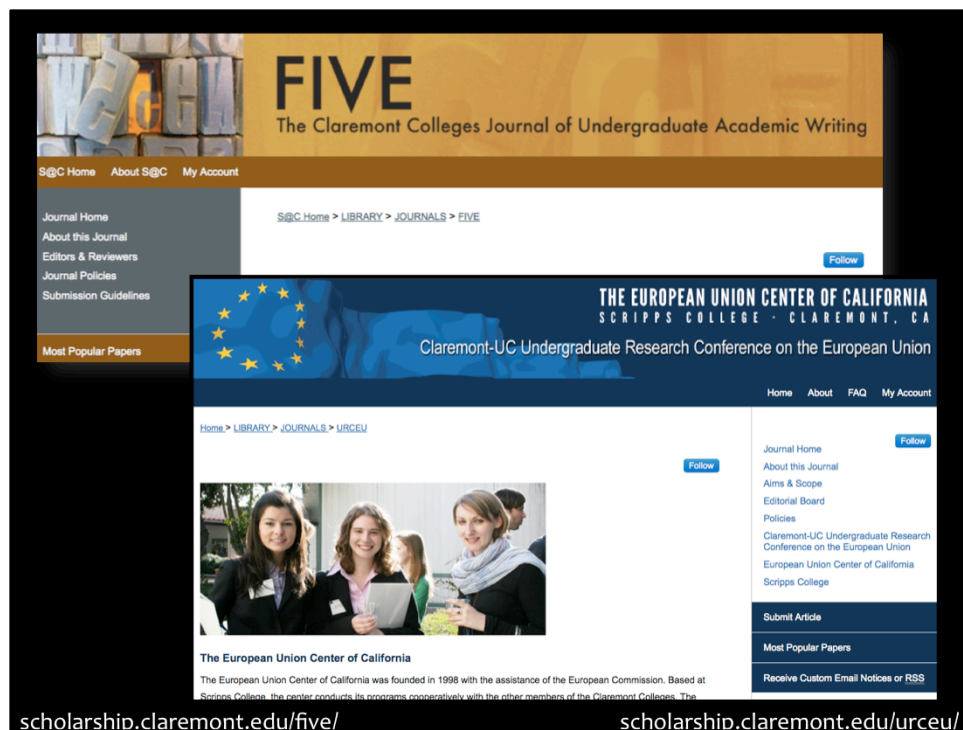
Scholarship@Claremont <scholarship.claremont.edu> is the Claremont Colleges' institutional repository and publishing platform.

The Claremont Colleges are made up of five liberal arts undergraduate colleges and 2 graduate universities with one library to service them all.

Two of the colleges, the Environmental Analysis Program, and one mathematics department mandate senior thesis deposit into the IR.

Three of the colleges, two of which mandate senior thesis deposit, share a sciences department, the Keck Science Department. KSD seniors *were* exempt for deposit because they often work on faculty research. Last year one of those colleges decided that for their WASC accreditation, they needed all senior theses included in the IR.

https://www.flickr.com/photos/internetarchivebookimages/14779981754/

FIVE, undergraduate journal – editors are librarians and reviewed by librarians and faculty. http://scholarship.claremont.edu/five/

URCEU is an undergraduate conference journal from Scripps College, undergraduates from across the country submit papers and the best papers are submitted to the conference journal. http://scholarship.claremont.edu/journals/urceu

The Claremont Colleges Library undergraduate research prize is also in the IR. The prize focuses on the research process, students are nominated by faculty, and submissions are reviewed by faculty and librarians.
http://scholarship.claremont.edu/library_research_award/

We Are All Public Intellectuals Now

As scholars, we face increasing expectations to publicize our work online and make our research available to people outside of academe. The result: We are all of us dipping our toes into the role of the public intellectual. And there are dangers lurking in those virtual waters — dangers that we all need to keep in mind when we respond to our Facebook friends and Twitter followers.

And I do think it is valuable to be able to make my work visible to participants in the online subcultures I study. Many academics seemingly agree, taking to public forums like Reddit to conduct AMAs — "Ask Me Anything" (like recent ones on psychology, health sciences, and creativity). Others run Twitter feeds and Tumblr blogs devoted to their areas of study. Those academics are meeting the next generation of students where they live and inviting them into the scholarly conversations that they will soon encounter in the classroom.

Megan Condis (2016). Chronicle of Higher Education
http://chronicle.com/article/We-Are-All-Public/236330

http://chronicle.com/article/We-Are-All-Public/236330
The Chronicle of Higher Education

Expectations are changing about who is creating new knowledge and where they are creating it. This change is happening faster than it is realized by educators. Condis talks about scholars being expected to make their research available online and that this is valuable turn of events.

Condis writes about inviting students into the online scholarly conversation. I would argue that they are already there and we're past that point of invitation. It's time to move forward and meet digital literacy educational needs. We should be thinking not only about the public intellectual, but the digital citizen.

The Role of Academic Libraries in
Mentored Undergraduate Research:
A Model of Engagement in the
Academic Community

Anthony Stamatoplos

"Independent undergraduate research projects
often derive from or relate to the scholarship of
the faculty mentor and are expected to
create new knowledge or creative scholarship as
well as to be disseminated in a public forum"

Anthony Stamatoplos (2009). College & Research Libraries.
http://crl.acrl.org/content/70/3/235.short

Librarians have been talking about this shift for a while now. The shift and subsequent need for education has become especially apparent to those who stand with one foot in scholarly communication and the other in information literacy.

http://crl.acrl.org/content/70/3/235.full.pdf+html
Stamatoplos, A. (2009 , May). College & Research Libraries.
vol. 70 no. 3 235-249. doi:10.5860/crl.70.3.235

What Are Faculty Afraid Of?

- Poor quality

- Getting scooped

- The Digital Footprint

Double : zanzo CC-BY-NC flic.kr/p/4bL9G7

What are these fears that we should be transforming?
Digital foot print > digital citizenship > online reputation

The digital footprint concept elicits the most disconnected and misguided fear. We've established that students are already living online in some form or another. They should be educated on how to shape their online reputation and to be upstanding digital citizens, and on what should be private and what should be visible.
Students are being told to lock down senior these and not have a digital footprint, when instead, they should be learning about why it is important to curate their online reputation.
K-12 educators are talking about digital citizenship in terms of privacy, safety, and cyber bullying. This education drops off abruptly in higher education.
Digital citizenship – they are going to be online but how?

EAP theses improved since students are aware of being online and are getting support around these issues of digital citizenship.
Faculty scholarship and data are often hidden behind a paywall, but this is changing with funder mandates and awareness of the benefits of visibility.
Senior theses are expected to be the culminating scholarship of the undergraduate educational experience. Often there is no example of the education students receive other than the diploma; there is no curated and visible evidence. This is a missed opportunity for all.
Double : zanzo CC-BY-NC flic.kr/p/4bL9G7

What Are Students Afraid Of?

Dr. Jayne's Expectorant www.flickr.com/photos/muohio_digital_collections/3093617372/

https://www.flickr.com/photos/muohio_digital_collections/3093617372/

Students listen to their faculty (as they should), but this is where they get a lot of their fears.

Some student are afraid of posting their thesis online but then have damaging pictures or posts visible for the world, and hiring managers, to see.

I am contacted by more students asking me to hurry up and post their thesis so that they can use it for job and grad school applications.

What You Should Be Afraid Of

- Copyright

- Privacy

- Faculty data

(antidote: Digital citizenship education)

Internet Archive Book Images. flickr.com/photos/internetarchivebookimages/14778596711

Both faculty and students are confused about copyright.

Faculty advisors and readers are not thinking about where this piece of scholarship is ending up – online

IRB are often not connecting the shifts in online scholarship and undergraduate research.

Our faculty utilize undergraduate assistants on their research and this means that their research takes a lot longer to reach the publication stage because of the novice researcher skills and turn-over of their undergraduate assistant pool. This also creates opportunities for research data management education.

The Digital Citizen

- Internet Safety
- Privacy & Security
- Relationships &Communication
- Cyberbullying & Digital Drama
- Digital Footprint & Reputation
- Self-Image & Identity
- Information Literacy
- Creative Credit & Copyright

British Library /flic.kr/p/i6tajK

Howard Gardner commonsensemedia.org/educators/digital-citizenship

There is a connection between instruction librarians, liaison librarians, subject specialists, collections, etc. Integration into the pedagogy.

Howard Gardner is an educator from the Harvard School of Education and talks about digital citizenship for K-12 in a way that directly relates to higher education and what we know as librarians.

Gardner scaffolds these concepts by grade in such a way that it could be applied to first year, sophomore, junior, and senior information literacy instruction.

https://www.commonsensemedia.org/educators/digital-citizenship
https://www.ed.gov/sites/default/files/netp2010.pdf
https://flic.kr/p/i6tajK
"Feudal Tales, being a collection of romantic narratives and other poems. [With coloured plates.]" British Library on Flickr No known copyright restrictions

Opportunities

State Library of New South Wales flickr.com/photos/statelibraryofnsw/6687207657/

https://www.flickr.com/photos/statelibraryofnsw/6687207657/

There are opportunities for faculty, educators, library publishers, and for librarians across the divisional roles to meet this growing need for digital scholarship education and support.

Collaborate with Advocates:
Faculty, Departments, Library

AN UNPLEASANT POSITION.

The British Library flickr.com/photos/britishlibrary/11113035995/

Don't get yourself into an unpleasant situation, one advocate will not work!
Wide scale intentional and integrated education and advocacy is key.

"The Land of the Lion; or, Adventures among the wild animals of Africa. With ...
illustrations" The British Library on Flickr
https://www.flickr.com/photos/britishlibrary/11113035995/

BEGINNING: What You Need to Think About as You do Your Research

Do you hold the copyright to all the conten (e.g. images, graphs, interviews, music composition, etc.) included in your thesis?

- *No?* Do a Fair Use analysis or get permission to post online for any content that you didn't create.
- *Yes?* Great! Carry on!

Is your thesis a result of on-going faculty research?

- *Yes?* Get the professor's permission to upload or embargo.
- *No?* Great! Carry on!

Should content in your thesis be private (e.g.: interviewee's identifying information, proprietary research, etc.)?

- *Yes?* Discuss with your advisor about anonymizing, redacting information o getting an exemption.
- *No?* Great! Carry on!

http://libguides.libraries.claremont.edu/ claremontthesesdissertations/uploading-instructions

Theses and dissertations guide that addresses related aspects of digital citizenship is linked to on registrar pages and discussed by instruction librarians.

1. Claremont McKenna College Registrar's senior thesis instruction page links to instructions and educational materials around copyright and online scholarship from the library.
2. The back end HTML that creates the click- through submission agreement the student agrees to when submitting a senior thesis or undergraduate research.

Undergraduates are online and part of the scholarly conversation. Most access requests for IP restricted senior theses are from students, grad students, scholars, and researchers from around the world.

Claremont-UC Undergraduate Research Conference on the European Union
(Journals at Claremont) *http://scholarship.claremont.edu/urceu/vol2011/iss1/11/*
CMC senior thesis and top downloaded item of all time in the repository
http://scholarship.claremont.edu/cmc_theses/513/
FIVE : http://scholarship.claremont.edu/five/vol2/iss1/3/

Google search on student name reveals model digital footprint
Go into classes, information literacy, partner with faculty and departments

Undergraduate Research

ADDRESS GAPS IN UNDERSTANDING

- Copyright
- Privacy
- Who is producing scholarship and where
- The Digital Footprint
- Responsibility and accountability

REAP BENEFITS OF PUBLISHING

- Future citizens – critical thinkers & intentional creators
- Positive visibility for the student, the faculty, and the institution
- Relationship building with faculty > advocates for OA & rights
- Valued library partnerships

#ethicsininformation

Shark. Andrew Kuchling (2005) CC-BY. https://flic.kr/p/21u3i

So, I hope that you help your undergraduates and educators navigate the digital citizenship waters without fear!
Look for the opportunities, address the concerns, and avoid misplaced fears.

https://flic.kr/p/21u3i
Andrew Kuchling Flickr CC-BY

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1. *A lion tamer at Bertram Mills Touring Circus, Ascot*. National Media Museum Collection. No known copyright restrictions. https://www.flickr.com/photos/nationalmediamuseum/3588573761/

2. Image from page 115 of *"Oracle, The"* (1919). Internet Archive Book Images. No known copyright restrictions. https://www.flickr.com/photos/internetarchivebookimages/14779981754/

3. FIVE: The Claremont Colleges Journal of Undergraduate Academic Writing http://scholarship.claremont.edu/five/

4. Claremont-UC Undergraduate Research Conference on the European Unionhttp://scholarship.claremont.edu/urceu/

5. Condis, M. (2016, May 03). *We Are All Public Intellectuals Now*. The Chronicle.http://chronicle.com/article/We-Are-All-Public/236330

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6. Stamatoplos, A. (2009, May) *The Role of Academic Libraries in Mentored Undergraduate Research: A Model of Engagement in the Academic Community.* College & Research Libraries, vol. 70 no. 3. 235-249. doi: 10.5860/crl.70.3.235

7. Double : zanzo. *Clown.* (2007) CC-BY-NC. https://flic.kr/p/4bL9G7

8. *Dr. Jayne's Expectorant.* Miami University Library - Digital Collections. No Known Copyright Restrictions. https://www.flickr.com/photos/ muohio_digital_collections/3093617372/

9. Image from page 104 of "General guide to the exhibition halls of the American Museum of Natural History" (1911). Internet Archive Book Images. No Known Copyright Restrictions. https://www.flickr.com/photos/ internetarchivebookimages/14778596711

10. *Feudal Tales, being a collection of romantic narratives and other poems.* British Library on Flickr. No known copyright restrictions. https://flic.kr/p/i6tajK

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12. *The Land of the Lion; or, Adventures among the wild animals of Africa. With ... Illustrations.* The British Library on Flickr https://www.flickr.com/photos/britishlibrary/11113035995/

13. *Theses, Dissertations and Other Student Scholarship.* http://libguides.libraries.claremont.edu/claremontthesesdissertations

    Claremont McKenna College Registrar's Senior Thesis page
        https:// www.cmc.edu/thesis

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    Bril, A. and Green, R. http://scholarship.claremont.edu/five/vol2/iss1/3/

17. Shark. Andrew Kuchling (2005) CC-BY. https://flic.kr/p/21u3i