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Introduction to the Modern Scholarly Communications Ecosystem

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Introduction to Modern Scholarly Communications

Amanda Page & Anne Rauh
September 29, 2017



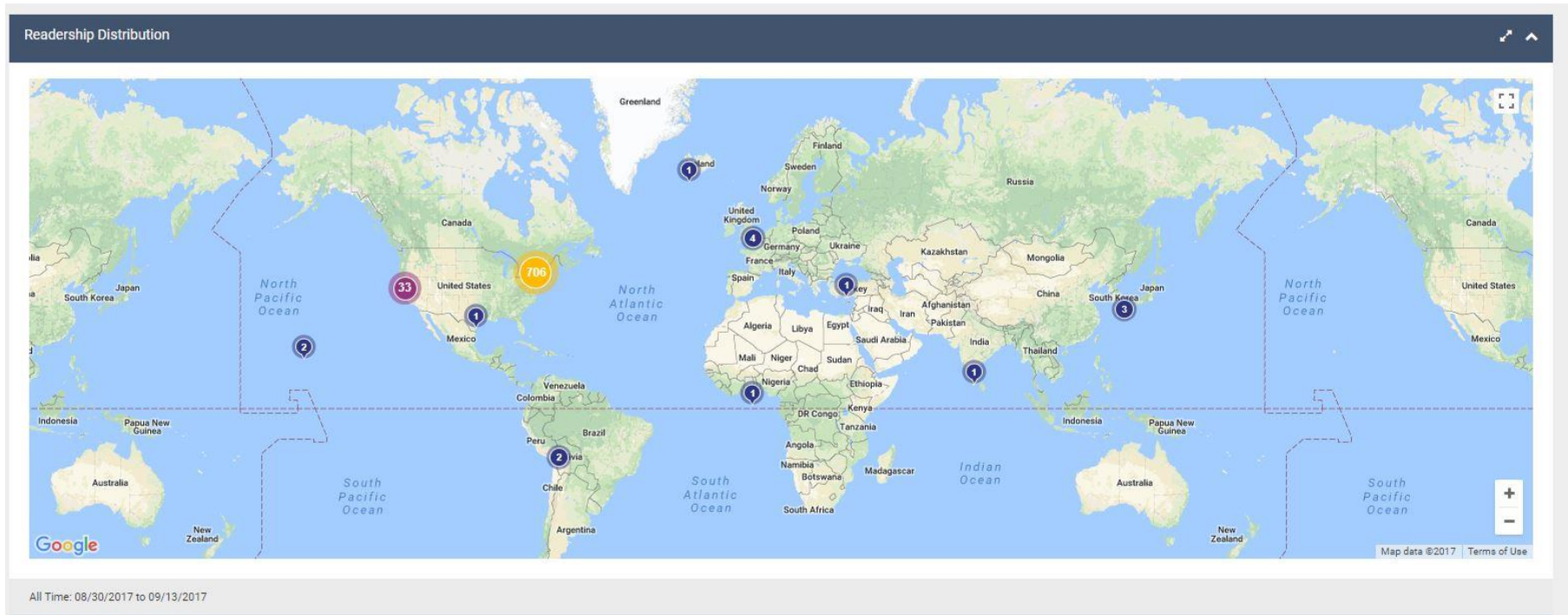
Agenda

- » Introduction
- » Scholarly Communications
- » Open Access
- » Scholarly Impact

Eureka!



All Publishing



[SURFACE Repository Map, 2017](#)

-
- » **Traditional or Conventional Publishing**
 - » **Open Access**
 - » **Multi-Media and Interdisciplinary**



Scholarly Communications Lifecycle;
ACRL Scholarly Communications Toolkit.





Scholarly Communications Lifecycle;
ACRL Scholarly Communications Toolkit.



Research & Data

- » Eureka! Idea!
- » Define Audience, Goals, Purpose
- » Run Experiments
- » Create!
- » Apply for Federal Grants or Funding
- » Consider Next Steps:
 - Budgets
 - Federal Mandates for US Grants
 - Life of Experiments

Considerations

- » **Literature or Systematic Reviews**
 - All of Library
- » **What grants to apply to, and how?**
- » **Need for public access to research?**
- » **Need for data management planning?**
- » **Assistance with research?**
 - Systems- Citations Management- Finding Information-
 - Licenses- Subscriptions and conduit to Open Source systems and Open Access Research

Considerations

- » Format of works created from research?
- » Where to submit after research phase?
- » Rights and Re-use?
- » Quality Assessment of publications
- » Author Rights and Copyright

Authoring Phase Considerations

- » **Format of works created from research?**
- » **Audience?**
- » **Open Access or Traditional?**
- » **Where to submit after research phase?**
- » **Rights and Re-use?**
- » **Quality Assessment of publications**
- » **Author Rights and Copyright**



Scholarly Communications Lifecycle;
ACRL Scholarly Communications Toolkit.



Peer Review

“designed to assess the validity, quality and often the originality of articles for publication.”

<https://authorservices.wiley.com/Reviewers/journal-reviewers/what-is-peer-review/index.html>

Peer Review Considerations

- » **Blind Peer Review**
- » **Medical Peer Review**
- » **Conference Proceedings and Grants**
- » **Books and Articles**
- » **Not for pay**

Peer Review Considerations

- » Where do I want to submit my publication to?
- » Is Peer Review Important?
- » What Impact do I want to make?
- » How quickly do I want my work published?
- » Is blind or double-blind peer review important?
- » Quality important in all types of publishing

Peer Review Considerations

- » Citation Management
- » Literature and Systematic Reviews
- » Similar Works
- » Quality Assurance
- » Ethical Standards
- » Definitions of PR and why important



Scholarly Communications Lifecycle;
ACRL Scholarly Communications Toolkit.



Publication

- » **Library as Conduit**
- » **Library as Publisher**



Scholarly Communications Lifecycle;
ACRL Scholarly Communications Toolkit.



Discovery & Dissemination

- » Metadata
- » Cataloging
- » Research Identifiers
- » Institutional Repositories
- » Library Catalogs
- » Preservation, Safeguarding

Open Access

?

Definition

“Open Access (OA) literature that is online, digital free of charge and free of most licensing restrictions.”

Peter Suber, 2014

Open Access

- » Works alongside Copyright
- » Broader re-use rights
- » Broader rights for authors

Types of Open Access

- » **Gold Open Access (Journals)**
- » **Green Open Access (Repositories)**

OA Journals

- » Perform peer-review, then make content freely available
- » Fully OA journals (all OA)
- » Hybrid journals
- » Expenses vary- Costs paid through various economic models
- » Author Rights

OA Repositories

- » **Make content available for free**
- » **Institutional, Disciplinary**
 - (also called subject)
- » **Preservation**
- » **Self archiving**
- » **Author Rights**

OA Repositories

Open Access Repositories

- » Inclusive of various format types:
 - Preprints
 - Post prints
 - Conference proceedings, posters
 - Grey literature
 - And more!
 - Copyright

Format types unique to each repository

SURFACE: surface.syr.edu

- » Inclusive of various format types
- » Inclusive of many subject matters
- » All authors affiliated with SU
- » Copyright Curation
- » Works with publisher policies, author rights, and copyright.
- » Scholarly & Citation Impact

Scholarly Impact

**“quantitative data on the impact
of scientific and scholarly
research”**

<http://www.arl.org/focus-areas/scholarly-communication/scholarly-impact>

Traditional Metrics

- » Impact Factor
- » Citation counts
- » H-index

Scopus[®]

WEB OF SCIENCE[™]

Google
Scholar

JOURNAL CITATION REPORTS

Altmetrics

“the volume and nature of attention that research receives online”

<http://www.whatarealtmetrics.com/what/>

Almetrics


- » Viewed
- » Discussed
- » Shared
- » Saved




Altmetrics

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Triple triumph: Three women in medicine

Editor(s)

Samuel Gorovitz, Syracuse University

Cathryn R. Newton, Syracuse University

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Description

Triple triumph: Three women in medicine is the story of three physicians.

Three physicians, all women, each perceived serious unmet needs in their fields, and envisioned imaginative approaches to meeting those needs. Each encountered resistance, discouragement, and obstruction from the traditional, male-dominated departments in which they worked. These powerful pioneers, undeterred, created programs that earned the highest levels of national distinction and acclaim. Their work and their names are now legendary—in geriatric medicine, in the treatment of breast cancer, and in diabetes research and treatment. Their stories differ, but the commonalities help us understand why constructive change is often so hard-won, and what it takes in commitment, courage, and tenacity to triumph in the end. Sharon Brangman, Patricia Numann, and Ruth Weinstock are inspiring heroes, from whom we can all learn essential lessons.

Altmetric

Observation of Gravitational Waves from a Binary Black Hole Merger

Overview of attention for article published in Physical Review Letters, February 2016



? About this Attention Score

In the top 5% of all research outputs scored by Altmetric

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SUMMARY

News

Blogs

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Wikipedia

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Reddi

Title Observation of Gravitational Waves from a Binary Black Hole Merger

Published in Physical Review Letters, February 2016

DOI 10.1103/physrevlett.116.061102 [↗](#)

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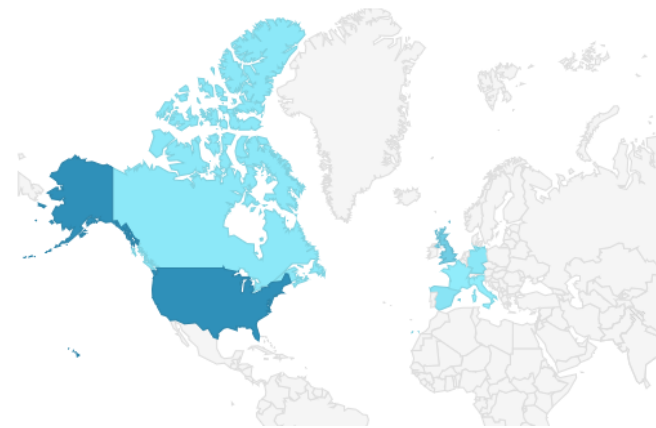
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Abstract On September 14, 2015 at 09:50:45 UTC the two detectors of the Laser Interferometer Gravitational-Wa... [\[show\]](#)

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Impactstory




Anne Rauh  

Syracuse University Libraries Collection Development and Analysis Librarian

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19 Online mentions over 6 years  18  1

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 [Introduction to altmetrics for science, technology, engineering, and mathematics \(STEM\) librarians](#)
2013 *Science and Technology Libraries*

19  

 [Telling Our Story: A Case Study of a Collaborative Departmental Blog at Syracuse University Libraries](#)
2016 *New Review of Academic Librarianship*

 [There's an app for that: Using google scholar citations to profile scholars' work](#)
2014 *Issues in Science and Technology Librarianship*

Scholarly Profiles

- » **Google Scholar**
- » **Selected Works**
- » **Experts@Syracuse**
- » **Mendeley**
- » **Research Gate**
- » **Academia.edu**

Google Scholar



Patrick Williams

[Syracuse University](#)
Verified email at syr.edu

+ FOLLOW

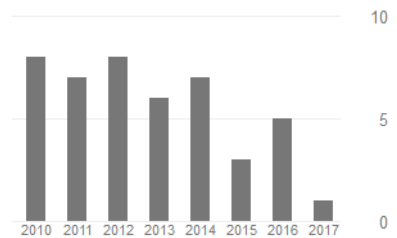
[Information Studies](#) [Digital Humanities](#) [Online Learning](#) [Digital Libraries](#) [Information Literacy](#)

TITLE	CITED BY	YEAR
Collection understanding [visualization tools in information retrieval] M Chang, JJ Leggett, R Furuta, A Kerne, JP Williams, SA Burns, RG Bias Digital Libraries, 2004. Proceedings of the 2004 Joint ACM/IEEE Conference ...	55	2004
Use of multi-modal media and tools in an online information literacy course: College students' attitudes and perceptions HL Chen, JP Williams The Journal of Academic Librarianship 35 (1), 14-24	12	2009
Pedagogical design for an online information literacy course: College students' learning experience with multi-modal objects HL Chen, JP Williams The Canadian Journal of Information and Library Science, 1	12	2009
Cost justification J Williams, R Bias, D Mayhew The Human Computer Interaction Handbook, 1267-1278	2 *	2008
Doing it Yourself: Special Collections as a Springboard for Personal, Critical Approaches to Information P Williams, L Mulroney Not Just Where to Click: Teaching Students How to Think About Information	1	2015
Impact of media and interaction variety on student attitudes in a web-based undergraduate course HL Chen, JP Williams Proceedings of the Association for Information Science and Technology 43 (1 ...	1	2006
What Is Possible: Setting the Stage for Co-Exploration in Archives and Special Collections P Williams Critical Library Pedagogy Handbook, Volume 1: Essays and Workbook Activities ...		2016

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Librarian | Research and Emerging Issues Analyst, Syracuse University Libraries

For a complete record of his professional activities please view his [Curriculum Vitae](#) online. [ORCID](#) | [VIAF](#)

[Peter D. Verheyen](#) is Research and Emerging Issues Analyst in the Program Management Center, Syracuse University Libraries. This position assists the Library in identifying, processing, analyzing, interpreting and maintaining the information it [read more →](#)

About

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Bookbinding and the Book Arts (17)



Die Collins: W. Collin, Hofbuchbinder & Ernst Collin, der Autor ...
(2016)

Peter D Verheyen

Die Berliner Buchbinderei W. Collin mit ihren Leitfiguren Wilhelm und Georg Collin, die letzten Hofbuchbinder zu den preußischen Königen

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The Collins: W. Collin, Court Bookbinders & Ernst Collin, the ...
(2016)

Peter D Verheyen

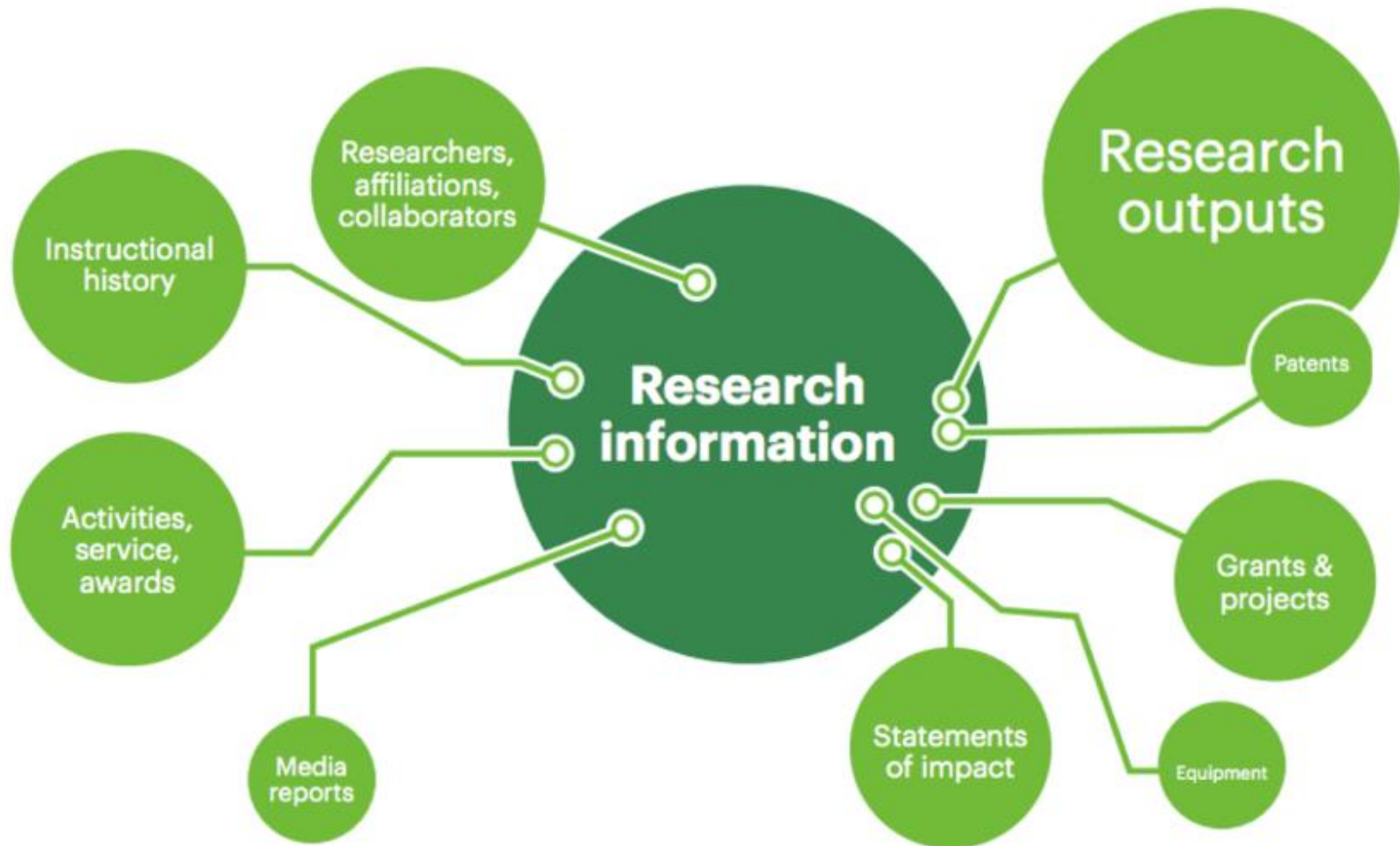
The Berlin-based firm of W. Collin led by Wilhelm and Georg Collin and the antiquarian, author, and editor Ernst Collin ...

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Research Identifiers

- » **VIAF - Virtual International Authority File**
- » **ISNI - International Standard Name Identifier**
- » **ORCID - Open Researcher and Contributor ID**

Research Information Management



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David Seaman

Dean of Libraries and University Librarian
Dean, Syracuse University, **Syracuse University Libraries**



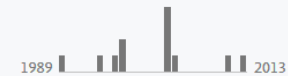
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4

h-Index from Scopus



Overview Fingerprint Network Research Output (12) Press and Media (1) Similar Profiles (43)

Fingerprint

Fingerprint is based on mining the text of the persons scientific documents to create an index of weighted terms, which defines the key subjects of each individual researcher.

43

Similar Profiles

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SOCIAL SCIENCES

Data
SOCIAL SCIENCES

Function
SOCIAL SCIENCES

Project
SOCIAL SCIENCES

Resources
SOCIAL SCIENCES

User
SOCIAL SCIENCES

Need
SOCIAL SCIENCES

Future Presentations

- » **Friday, October 27th, 2:00 pm, Authors' Rights**
- » **Friday, December 1st, 11:00 am, Copyright and Fair Use**
- » **Friday, February 2nd, 2:00 pm, Digital Humanities**
- » **Friday, March 2nd, 11:00 am, Research Data**
- » **Friday, April 6th, 2:00 pm, Scholarly Impact**

Open Access Week

Look for more events the week of
October 23rd to 29th



Questions?
