Functions of Scholarly Journals

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Introduction

- Registration
- Dissemination
- Peer review
- Archival record

Authors / readers

- Navigation
  Authors only
• Establishing the author’s precedence
  – Birth of Henry Oldenburg’s *Philosophical Transactions of the Royal Society of London*

• Not all articles are Accepted for publication

• Institutional repository accepts all!
Dissemination

• **Sharing**
  – Access for further studies

• **Funded research**
  – Foundations
  – Industries
  – Government

• **Digital technology**
  – Institutional, disciplinary repositories
  – Open Access Journals
Peer review

• Quality control and certification
• History of peer review
  – Book review - 377 BCE, 931 CE
  – Journals - Royal Society of Edinburgh, 1731
• Technology impact on peer review
  – Xerox, PC – email, Journal Management system
Archival record

• System of record keeping
  – author, title, journal, date etc

• Keeping fixed version of articles
  – Paper / Digital

• Citation
  – Author, A. A. (year). Title of article. Title of Journal, Volume#(Issue #), pages. DOI (if available)
• Statistics of journals/articles – growth
  – From 1800, and increase of 3.5%/3.0%
  – Total number of scholarly journals is 23,000
  – Total number of scholarly articles annually is 1.5 million

• Service to authors: Filters and signposts
  – prestigious journals (commercial publishers)

• Author’s right:
  – copyright & license to publish
Trends in Scholarly Journals

• Advances in digital technology
  – Users - digital natives/digital immigrants
  – Libraries
  – Articles/Journals

• Acquisition of journals
  – Serials crisis

• Libraries
  – 70% of budget spent on scholarly journals
  – Open access movement
Open Access Journals

- Registration
- Dissemination
- Peer review
- Archival record

- Navigation
Conclusion

• Marketing
  – Who?
  – How?

• Information/Education
  – Cost of access
  – Author’s rights
  – Using the open source journal management and publishing systems

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Images
