STS 2210 – Technology in the Modern World

Library Research

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At the end of today’s session, you will be able to:

- Find credible sources on your topic, both scholarly and popular, in print and online
- Cite your sources using Chicago style
How would you research this?

Did the benefits of the Apollo program outweigh the costs?

- Google
- Books
- Library Databases
Apollo Program

Costs
- $$
- Human Life
- Opportunity Cost

Benefits
- Geopolitics
- Technology
- Cultural/Social
Getting Started

- Google (Open Web)
Authority is constructed and contextual

- Authority is influence
- Authority can come from subject expertise, societal position, or special experience
- Authority should be considered with a mix of openness and skepticism
Popular Sources
- Written by experts OR professional writers/journalists OR regular people
- Aimed at the general public

- THE GLOBE AND MAIL
- Popular Mechanics
- Failure is Not an Option
Ask yourself:

- **Who** produced this information?
- **When** was the item produced?
- What kind of **content** is it?
- Has the author included their **sources**?
Getting Started

- Google (Open Web)
- Encyclopedias
Choose keywords carefully

Apollo Program

- Costs
  - $$
  - Human Life
  - Opportunity Cost

- Benefits
  - Geopolitics
  - Technology
  - Cultural/Social
Search Strategy Worksheet

Describe Your Topic:
Did the benefits of the Apollo program outweigh the costs?

Identify Main Concepts:
- Concept 1: Apollo program
- Concept 2: benefits
- Concept 3: costs

Find Synonyms:

AND

Subject terms for 1:
- "Apollo mission"
- "moon landing"
- "moon shot"

OR

Subject terms for 2:
- impacts
- results
- technology

OR

Subject terms for 3:
- budget
- accident

Refine Results: Article, Language, Other keywords.
Save articles in Refworks
Books

- Library Catalogue
- Google Books
Journal Articles

- Written by experts, for experts
- Peer-reviewed
Combine concepts using **AND**

- Apollo AND mission

Broaden your search/find alt. spellings & synonyms using **OR**

- mission OR landing

Omit concepts using **NOT**

- Apollo NOT god
- Find alt. spellings and pluralizations using wildcards *
  
  - mission*
  - col*r

- Find exact phrases using “phrase searching”
  
  - “Apollo program”
Search Strategy Worksheet

Describe Your Topic:
Did the benefits of the Apollo program outweigh the costs?

Identify Main Concepts:
Concept 1 Concept 2 Concept 3
Apollo program benefits costs

Find Synonyms:
AND AND
Subject terms for 1 Subject terms for 2 Subject terms for 3
"Apollo missions" OR "missions" OR "mission"
impacts results budget
OR OR OR
OR OR OR

Refine Results: Article, Language, Other keywords, Save articles in Refworks

("Apollo program" OR "Apollo mission")
AND
(benefit* OR impact* OR result* OR technolog* OR budget* OR accident*)
Citation Chaining

- Works Cited/References
  - Go backwards in time
- Cited By
  - Go forwards in time
<table>
<thead>
<tr>
<th>Popular</th>
<th>Scholarly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Written by journalists or experts for the general public</td>
<td>Written by experts for other experts</td>
</tr>
<tr>
<td>Use common language</td>
<td>Use jargon/technical language</td>
</tr>
<tr>
<td>Usually no citations</td>
<td>Usually fully cited</td>
</tr>
<tr>
<td>Visually attractive</td>
<td>Visually boring</td>
</tr>
<tr>
<td>Not peer-reviewed</td>
<td>Usually peer-reviewed</td>
</tr>
<tr>
<td>Examples: magazines, newspapers, books</td>
<td>Examples: journal articles, books</td>
</tr>
</tbody>
</table>
Why cite sources?

- Give credit for the ideas of others
- Allow our readers to investigate the validity of the facts on which we are basing our arguments
- Help our readers to find further information on our topic
Format Requirements

Each paper should be 2500 words-long (endnotes, bibliography and appendix are not included in this count), double-spaced, and typed using 12 p. size Times New Roman fonts. Except for the title page, all other pages should be numbered. All notes and references should appear as endnotes (as opposed to footnotes). In addition to the endnotes you should have an annotated bibliography. The annotated bibliography summarizes in a few lines each of the sources you have used and explains why they are important. If you use a source that exists only on the Web, you must also explain why that particular source should be considered as reliable. For further information on annotated bibliographies, click here.

The essay must follow the specifications of the Chicago Manuscript Format Style which can be found at: http://bcs.bedfordstmartins.com/resdoc5e/RES5e_ch10_s1-0001.html
Chicago Style

- Two systems within Chicago Style:
  - Notes and Bibliography
  - Author-Date References
Books

End note:


Short form:


Bibliography

Journal Articles

End note:


Short form:


Bibliography


JKV Winter 2015
Online sources

End note:


Bibliography

Economics of scholarly communication in transition

by Heather Morrison

Abstract
Academic library budgets are the primary source of revenue for scholarly journal publishing. There is more than enough money in the budgets of academic libraries to fund a fully open access scholarly journal publishing system. Seeking efficiencies, such as a reasonable average cost per article, will be key to a successful transition. This paper presents macro-scale economic data and analysis illustrating the key factors and potential for cost savings.

Introduction: Academic library budgets sustain scholarly journal publishing

Economics of scholarly communication in transition

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PRESSURES ON THE CURRENT MODEL OF SCHOLARLY COMMUNICATION

This new information environment is putting serious pressure on the old system of scholarly communication. As a result, the marketplace is changing more deeply and more radically than we might think.

Weak Budgets

One of the pressures on libraries in particular is budgetary: many libraries saw their budgets cut dramatically a few years ago, and for many or most of us, they have been pretty much flat ever since. Some libraries are still seeing falling budgets, and even those for whom budgets have remained stable are experiencing an effective budget cut each year at the rate of inflation. These budget issues have led to an increasing impatience with waste in libraries, and one of the most egregious examples of waste is the fact that we have always bought content that is never used. Not only that, but we hold onto that content, and take the fact that nobody wants it. This was not the case before.
This is a demonstration of Mendeley (Kelly & Autry, 2013).

References

### Mendeley

<table>
<thead>
<tr>
<th>Pros</th>
<th>Cons</th>
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<tbody>
<tr>
<td>Free forever (up to 2 GB storage)</td>
<td>No Android app (some 3rd party apps available)</td>
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<tr>
<td>Automatically grab metadata from PDFs and other documents (including web pages)</td>
<td>Limited storage and sharing features unless you pay</td>
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<tr>
<td>Desktop, web, and iOS clients – seamless syncing between devices</td>
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<td>Organize into folders</td>
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<tr>
<td>Annotate PDFs with integrated PDF viewer</td>
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<td>Share your citations, documents, and annotations with others</td>
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zotero
Saving to My Library...
Consumer eating quality acceptance of new...
Zotero

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<tr>
<td>Free forever (up to 300 MB)</td>
<td>Clunky &amp; unintuitive interface</td>
</tr>
<tr>
<td>Import citations from many sources using an icon integrated into your web browser</td>
<td>No PDF annotations</td>
</tr>
<tr>
<td>Automatically grab metadata from PDFs and other documents</td>
<td>No mobile apps – some 3rd party apps available</td>
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Information about [Mendeley](#) and [Zotero](#)

JKV Winter 2015
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