COSC 110

~ Information seeking in a digital world
TV viewing

• **Video 1** – Breakfast Show – Libraries – (Starts @ 1 min 45 sec)

• **Video 2** – MacBook Wheel – Believability
Today

- Information Literacy
- Pre-digital information seeking
- Information seeking today
  - Types of Information
  - Searching
  - Evaluating
  - Managing
http://library.canterbury.ac.nz/cosc

>UC Home
  > Library
    > Subject Guides
      > Computer Science
        > COSC 110
‘Digital universe’ expanding

“...information infrastructure corporation EMC, says the size of the so-called digital universe is currently 282 exabytes....the equivalent of a stack of books stretching to the sun and back 25 times.”

“...expected to increase ten-fold in the next five years”

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Posted at 8:42am on 13 Mar 2008
Information Literacy

• Library Goal – All UC graduates to be “information literate” - i.e. “The ability to locate, evaluate, manage and use information from a range of sources for problem solving, decision making and research.”

• Compare: “Google’s mission is to organize the world's information and make it universally accessible and useful.”
A graduate of a BSc is expected to be able to:

- Demonstrate the development in skills for lifelong learning
- Understand, evaluate, access and critically review new information
- Effectively access and use information relevant to the subject

- Provisional as at April 2006
Johannes Gensfleisch zur Laden zum Gutenberg - movable type – c.1439
Andrew Carnegie (1835 – 1919)
Hokitika Public Library
(1908 - 1975)
Bill Gates
age 16, speeding/no license
Upper Riccarton Library
Tomorrows technology and you / George Beekman, Michael J. Quinn.

Subjects - Computer science.
: ill. ; 28 cm.Pub. - Upper Saddle River, N.J. : Pearson Prentice Hall,
2008. ISBN - 0132297205 (pbk.)
Sir Timothy John Berners-Lee, OM, KBE, FRS, FREng, FRSA - http - 25-12-90
Tomorrows technology and you / George Beekman, Michael J. Quinn.

Author:  
Beekman, George.  
Quinn, Michael J. (Michael Jay)  
Beekman, George. Computer confluence.

Subject:  
Computer science.  
Information technology.

Edition:  
Complete [version], 8th ed.

Published:  

Contents:  

Description:  
xvi, 631 p. : ill. ; 28 cm.

ISBN:  
0132297205 (pbk.)
So where do people go?

- **Breakfast Show** – Libraries
  
  (Video - Starts @ 1 min 45 sec)
JESS3 – State of the Internet

- JESS3 – State of the Internet
  (Video - 3min 51sec)
• Boring?

• Peer Reviewed – JCR & PBRF

• Mostly Journals

• Also - Books, Theses, Reports, Proceedings

• Increasingly electronic and/or Open Access
Did Thomas Jefferson Own a Gun?: William Burroughs and the American Agrarian Link

Chad Weidner
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## Original Articles

- Determining the dreamer’s gender from a single dream report: a matching study
  
  *Michael Schredl*

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  *Erin J. Wamsley & John S. Antrobus*

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- Boundary Questionnaire Results and Dream Recall Among Persons Going Through Retirement
  
  *Arthur T. Funkhouser, Othmar Würmle, Kaisen Carnos, Peter Locher, Fabian Ramseyer & Marcel Bahro*

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- The Incidence of Lucid Dreaming within a Japanese University Student Sample
  
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- Freud’s interpretation of his own dreams in “The interpretation of dreams”: a continuity hypothesis perspective
  
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Why Literature Search?

- Learn more about the topic
- Avoid repeating work already done
- Become aware of the key players/publications in field
Why Literature Search?

“If I have seen further it is by standing on the shoulders of giants”

- Isaac Newton

(letter to Robert Hooke in 1676)
Why Literature Search?

“Science progresses one funeral at a time”
– Max Planck
Searching

- Start broad, narrow down then follow leads
- Use Booleans, truncation & phrase searching
- Use advanced search options & preferences/personalisation options
Searching – Boolean Logic
Searching

- Use synonyms & alternate forms e.g. N.Z./New Zealand
- Leads - Look for later discussion – who has cited?
- Use ‘Help’ & ‘About’
- Don’t click on the first result
Boolean Logic – George Boole (1815-1864)

• Bits AND Bytes – 6 results
• Bits NOT Bytes – 70 results
• Bits OR Bytes – 87 results
• (Bits OR Bytes) NOT Computer – 72 Results
Searching – UC Library Catalogue

- Alphabetical, Keyword, Relevancy
- My Account – Renewals, Booklists
- Library of Congress Subject Headings
Searching - Bibliographic Databases

- Subscription OR Free
- Abstract only, Full-text, Citation
- Multi-disciplinary OR subject specific
- Help & About
• Index New Zealand

http://innz.natlib.govt.nz

e.g. rugby
Searching – MultiSearch

- http://library.canterbury.ac.nz - First Box
- Books and some journal articles
- Subscription and free materials
- Relevancy ranking
- “Faceted” Search
GASP! Is that really how people Googled in the old days?
Searching - Google

- Why does it matter?
- GOOG @ www.nyse.com Vs www.nzx.com
- The Dalles, Oregon (New York Times, 14 Jun 2006)
Searching - Google

- Advanced search options
- Repeating words – e.g. digital digital world
- Word order – e.g. world digital
- Results
- http://www.google.com
http://scholar.google.com

- Preferences, Select UC Library for Full text

- e.g. So: New Scientist & Ti: ipod
Searching - Google BookSearch

http://booksearch.google.com

- Major Libraries & publishers – copyright issues
- 32 million books in 10 years
- Example: Title = New Zealand
• 1 NZD in AUD

• Mass of earth + mass of mars

• 1 year in seconds

• [http://www.googleguide.com](http://www.googleguide.com)
Evaluating Resources

- Accuracy
  - Authority
    - Objectivity
      - Currency
    - Coverage

- Encyclopaedia Britannica vs Wikipedia

- MacBook Wheel (Video)
Evaluating Resources

**Who** is the author?

**What** organisation published the information?

**Why** was the material published?

**How** does it compare with other information sources?

**When** was the material published?
Citation & Plagiarism

- Thou shalt not plagiarise
- Thou shalt cite
- If in doubt cite
Citation & Plagiarism

• Check preferred style requirement

• Details available from...
  http://library.canterbury.ac.nz

How do I find...
  Citation Guides
Managing References

- My List(s) in UC Catalogue
- Endnote
- Zotero
GOOD LUCK!