

Library Guide for *The New Genetics, Promises and Problems* First Year Seminar, Fall 2002

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ELIZA, the Wallace Library Catalog

>> Access: <http://library.wheatoncollege.edu> or from *Wallace Library Home Page*, on- or off-campus

ELIZA is our catalog: it tells you what we have in Wallace Library. This includes:

- Books
- Reference material
- Videotapes & DVDs
- CDs
- Indexes/databases
- Magazines, journals & newspapers
- Microforms
- Rare books & archival material

NOTE: ELIZA **does not** contain information about articles...it can only tell you whether we subscribe to a particular journal, and, if so, what issues we hold.

TIPS:

- Search by *Author, Title, Keyword, or Subject*.
- *Subjects* are taken from the official Library of Congress Subject Headings. If you are unsure of the exact Subject Heading used for your topic, try a *keyword* search and follow the subject "leads"/links from the most interesting records
- *Keyword* searches look for the word(s) in subject, notes, or contents parts of the record.
- For a *keyword* search, combine words with Boolean operators for greater precision:
 - ⇒ *genetics AND medicine* finds records that include both *genetics* and *medicine*.
You get **fewer** results
 - ⇒ *biotechnology OR genetics* finds records that include *biotechnology*, or *genetics*, or both *biotechnology* and *genetics*.
You get **more** results
 - ⇒ *cloning NOT Dolly* >> finds records that include *cloning*, but never *Dolly*.
You get **fewer** results
- For more results, use truncation in *keyword* searches:
 - ⇒ *genetic** finds *genetic, genetics, genetically*, etc.

Locating Material Found in ELIZA

For Books, you'll need to know: *location & call number*.

- If the box under *Status* is blank in ELIZA, the book should be on the shelf.
- Check what it says under *Location* in the ELIZA record. Here's how to interpret some common *Locations*:
 - *Stacks*: Shelved on the Stacks Level (lowest floor of the Library). Most of our books are in the Stacks.
 - *Reserves 2 Hour* (etc.): Ask at the Circulation Desk
 - *Ref*: Materials in the Reference Reading Room (on the Main Level). These books don't circulate.
 - *Quarto* or *Folio*: Oversize books shelved in the back of the 2nd room of the Stacks, after the Zs.

TIP: When you locate a book that interests you, I encourage you to browse in that section—thanks to the Library of Congress Call Number system, related books will often be shelved nearby.

For Periodicals, you'll need to know: *periodical title & year.*

To locate a particular article, you will also need: *the volume, issue, article title/author & pages.*

Print periodicals are always shelved **by title**. The age of the issue affects where we shelve it, though:

- *Periodicals from 1990+:* on Periodicals Level (one level down from the Main Level).
- *Periodicals from 1900-1989:* in compact shelving on Stacks Level (to your left after you enter the door).
- *Newspapers:* on Periodicals Level. Current ones are near the elevator; *backfiles* are in the Periodicals Annex.

In formats other than print:

- *Periodicals in microform:* Microform Room on the Periodicals Level. Shelved by title & format (fiche or film).
- *Electronic journals:* Follow link in ELIZA record and browse or search to locate article. *Indexes/Databases* (see below) *are the most efficient means of locating articles on any given topic.*

For CDs, videocassettes, DVDs: Ask at the Circulation Desk. Circulation staff will retrieve the item and let you in to the Listening/Viewing Room on the Stacks Level.

You'll need to tell Circulation staff: *title & format, & either a) that it's on Reserve or b) the call number.*

Indexes/Databases for Finding Articles

>> Access any of these databases through the *Wallace Library Electronic Resources* page:

<http://www.wheatoncollege.edu/library/resources/electronic>

[Choose the *Alphabetical* or *Subject* list under *Reference Databases* if there is no link at the top level.]

InfoTrac Expanded Academic, 1980-

>> choose *Expanded Academic* after first click to *InfoTrac*

Indexes articles from a large variety of magazines, journals and news sources in the humanities, social sciences and sciences. Many full-text articles are included.

TIPS:

- Use "Subject Guide" link on left to *find appropriate subject headings* under which relevant articles might be categorized.
- To get only *scholarly publications*, check "Limit...to refereed publications" box before searching.
- If the article sounds perfect for your research but isn't included in full-text, don't forget that you can *check for the journal title in ELIZA!*

LexisNexis Academic, dates of coverage vary

Primarily a news database, LexisNexis Academic includes (mostly) the full-text of articles drawn from sources all over the world (but lacks any graphics that may have accompanied original articles).

TIPS:

- Use *Quick News Search* to find news within last 2 years.
- Use *Guided News Search* to search earlier than the last 2 years, in a specific category of news (ex: World, Legal), or for greater precision (being able to search for your term(s) in the headline, etc.).

Wilson General Science Index, 1984-

Indexes articles from journals in physical, life and health sciences.

TIP: Use "Check Library Catalog" links to check whether Wallace Library subscribes to the journal.

Reference Materials for Background Research

TIP: Reference materials can be a great place to start your research, with summaries of information, terminology and definitions, and lists of recommended readings. Selected Wallace reference books on genetics & related subjects follow.

- *A to Z of DNA Science: What Scientists Mean When They Talk about Genes and Genomes*, 2001
Ref QH427 .W58 2001
- *Concise Encyclopedia of the Ethics of New Technologies*, 2001
Ref TP 248.23.C664 2001
- *Encyclopedia of Bioethics*, 5v., 1995
Ref QH332 .E52 1995
- *Encyclopedia of Genetics*. 4v., 2002
Ref QH427 .E52 2002
- *Facts on File Dictionary of Biotechnology and Genetic Engineering*, 1994
Ref TP248.16 .S84 1994
- *Genetic Engineering: A Reference Handbook*, 1999
Stacks TP248.6 .L4 1999
- *Genetics Manual: Current Theory, Concepts, Terms*, 1998
Ref QH427 .R43 1998
- *Glossary of Biotechnology Terms*, 1998
Ref TP248.16 .F54 1998
- *Molecular Biology and Biotechnology: A Comprehensive Desk Reference*,. 1995.
Ref QH506 .M66155 1995

Web Sites . . . for ?????

On the Net, no one knows you're a clone.

When you use a search engine to search for information on the World Wide Web,^{*} your results can vary widely, from the latest news to abandoned “ghost sites,” from hokum to high scholarship. The barriers to publishing on the Web are low. **It's important to 1) understand who published web sites you visit and 2) consider what their biases might be.**

When you visit the following (or any) web sites, ask yourself:

- **What kind of site is it?** Is it .commercial, .governmental, .educational, non-profit (.org); which country does it originate from? Is the site related to a newspaper, a journal, a broadcast network?
- **Who created the site?** An individual, an organization, a corporation? What are the creator's (and contributors') qualifications and possible (or obvious!) biases? And how is the site funded (banner ads, subscriptions, grant, etc.)?
- **For whom is this site intended?** What's the tone, the level of writing (for experts, general public, students, etc.)?
- **What about the content?** Is it deep, or superficial? Is it accurate? What evidence is cited, and in what detail? Is the consideration of your topic central, or merely incidental? Are there richer sources for this topic?
- **How is the content organized?** Are there archives, site search engines, site maps?
- **When was this site last updated?** Is it “living” or neglected? Does the update frequency matter for this subject?
- **Does this source meet my standards? My professor's? My discipline's?**

The more you know about your subject, the better you'll be able to determine the quality and relevance of *any source*.

* Indexes/databases such as *Wilson General Science Index* and *InfoTrac* are also on the Web, but don't show up in search engine results. They're for “subscribers” only—the site checks this by looking at the network address of your computer.

A Sampling of Web Sites on Bioethics, Biotechnology, and Genetics

- *Bio.com, Life on the Net*
<http://www.bio.com>
- *Bioethics.Net, The American Journal of Bioethics*
<http://ajobonline.com>
Note: Wallace Library recently began to subscribe to *AJOB*. Look up *American Journal of Bioethics* in ELIZA.
- *Biosafety Database: Genetically Modified Organisms*
<http://www.icgeb.trieste.it/~bsafesrv/bsfdata1.htm>
- Council for Biotechnology Information
<http://www.whypiotech.com>
- *Gene Almanac, Dolan DNA Learning Center, Cold Spring Harbor Laboratory*
<http://www.dnalc.org>
- *GeneWatch UK*
<http://www.genewatch.org>
- *Global Issues: Biotechnology. Office of International Information Programs, US Dept. of State*
<http://usinfo.state.gov/topical/global/biotech>
- *Human Genome Central*
<http://www.ncbi.nlm.nih.gov/genome/central> or <http://www.ensembl.org/genome/central>
- *Monsanto*
<http://www.monsanto.com>
- *National Human Genome Research Institute*
<http://www.genome.gov>
- *National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health*
<http://www.ncbi.nlm.nih.gov>
- *OneWorld.Net*
<http://www.oneworld.net>
[browse by topic and select “genetics”]
- *Organic Consumers Organization*
<http://organicconsumers.org>
- *President’s Council on Bioethics*
<http://www.bioethics.gov>
- *True Food Network*
<http://www.truefoodnow.org>
- *Union of Concerned Scientists*
<http://www.ucusa.org>



Questions?

I'm happy to help you find the information you need for this or any other class.

Drop by the Reference Desk to talk to me or another Reference Librarian about any questions you have.

Or, you can contact me to make an appointment:

Email: sgass@wheatonma.edu

Phone: x3700

—Shana Gass, Reference/Instruction Librarian