

SCIENTIFIC NOTATIONS

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Items of interest from the Science Libraries at Emory University

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SFX and eJournals @ Emory

by Laura Kane McElfresh

In the early 90's, in order to help organize and provide access to their electronic journals, the Health Sciences Center Library created its first e-journals webpage. In 1999, they began using an e-journals database to build and maintain a dynamic, searchable list of journals. November 2002 saw the introduction of the university-wide eJournals Management Database (EJMDB) service. With the advent of the SFX link server in 2004 (a service that facilitates interoperability between different online publications and products), the Emory Libraries seized the opportunity to build and improve our e-journals services.

Some differences between the "old" EJMDB and the new SFX-powered version are immediately apparent, such as compression of search results and the appearance of the SFX popup menu. In the previous version, searching eJournals @ Emory produced long lists of search results; a title might be listed multiple times, depending on how many different ways one could get to full-text access (e.g. EBSCO, Springer LINK, Elsevier Science Direct, etc.) Today, when a patron searches for a title using the eJournals page <<http://ejournals.emory.edu/index.php>>, each title appears only once in the search results list. The multiple publisher/provider options and the date and volume ranges of available full

text are then listed in the SFX menu, a window that pops up when a patron clicks on a link in the search results list or in EUCLID.

Differences such as these may seem merely cosmetic, but in fact they go to the heart of SFX and the power it gives us. SFX is a link server, a service that coordinates library service and patron information with bibliographic descriptions of journals, articles, and other online items in order to provide the patrons with access to the items. Using the OpenURL framework, SFX harvests metadata (e.g., bibliographic information) about the desired resource and compares it with the set of resources the library can provide to a patron. (Patron status is generally ascertained using IP addresses for on-campus patrons; in order to guarantee that SFX will enable off-campus access for our patrons, we use the EZproxy system.) The SFX link resolver then provides a menu of links to route the patron to these available services, including — but not limited to! — different options for full text access.

Unlike the previous system, where the only way in was through the eJournals website or a link in EUCLID, the SFX button can appear in any of a number of places. For example, MathSciNet is an indexing and abstracting service; it generally does not provide full text. Before SFX, if a patron ob-

tained a list of citations from MathSciNet, she would then have to use EUCLID or the eJournals website to see if she could get electronic full text for the articles she wanted. Today, citations in MathSciNet are accompanied by an SFX button; the patron can click on it and be taken directly to the SFX menu of available options, and from there to the article itself. Similarly, these capabilities are present in ISI Web of Science as well. Several more of the Emory Libraries' databases are SFX-enabled in this way, allowing interoperability between resources that used to act like "information silos". In order to get from one to the other, say from JSTOR to Science Direct, a patron used to have to type in her own search from scratch; she had to go out and re-enter on the "ground floor", so to speak. SFX builds deeper links that act as a bridge between the resources.

Furthermore, SFX can be used to provide services beyond electronic full text. In addition to providing a range of full-text options and an email link to AskEJ, providing a convenient way for patrons to request help, the SFX menu currently includes a link back to EUCLID. (SFX works with EUCLID to carry out the search automatically, rather than requiring the patron to retype her search criteria in EUCLID). In the example above, if the MathSciNet patron is reading a book review, her SFX menu will usually not

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offer a full-text option; but if we have the book in print, the patron will be able to immediately view the record in EUCLID. Nearly anything can be pulled into SFX: some other institutions use SFX to provide links to outside web searches, virtual reference desks, bookstores, and other services inside and outside their libraries.

The Emory Libraries are continuing to examine ways in which we can use SFX to provide new services and improve existing services for our patrons.

Library Web Sites: Your Road Map to Resources

by Anita Westlake

Library web sites at Emory University contain a wealth of information and useful links. Without leaving your chair you'll be able to find a particular librarian's email address and phone number, web links to full-text articles, as well as research and teaching support.

Below is a brief overview of the types of data each site contains.

James S. Guy Chemistry Library

<http://www.chemistry.library.emory.edu>

Euclid Library Catalog (all library sites have this)

Online newsletter

New Books

ChemNet

Research Guides

Links to:

Science Direct

American Chemical Society

ChemWeb.Com

Organic Syntheses

Health Sciences Library

<http://www.healthlibrary.emory.edu>

"News"

e-Textbooks

MedWeb



Library Instruction and classes

Links to:

CDC

Harrison's Online

Hurst's the Heart

MD Consult

PubMed

Math/Science Library

<http://www.web.library.emory.edu/libraries/mathsci>

Database Locator

Local and National Library Catalog

Subject and Course Guides

Library Instruction and Workshops

EndNote @ Emory

Links to:

Computer Science & Mathematics Databases

Earth & Environmental Studies Databases

Physics Databases

Access Science Encyclopedia

Q&A on SFX



By Laura Kane McElfresh

Q.: What is SFX?

A.: SFX is a *link resolver*, a service that helps library patrons obtain access to electronic resources. SFX services are available to Emory faculty, students, and staff.

Q.: What is the SFX button mentioned in the "SFX and eJournals @ Emory" article?

A.: The SFX button looks like this: 

You may also see SFX graphics such as  or  alone. SFX is in action any time you see the SFX "swirly".

Q.: A free e-journal that I like to use is not in SFX or the eJournals list. Can it be added?

A.: When possible, we do add free e-journals. Please contact your subject librarian or send email to ASKEJOURNALS

@LISTSERV.CC.

EMORY.EDU

Q.: How does SFX know if I am an Emory library patron?

A.: IP addresses are used to distinguish on-campus computers; patrons who use Emory Online to connect from home also have e-journals access.

Q.: What if I don't use Emory Online?

A.: We use EZproxy to allow remote access to our resources. You might need to log in with your Emory Personal ID number.

Q.: Why can't I see the SFX menu?

A.: Popup blockers can sometimes prevent the SFX menu from appearing. You may need to turn a popup blocker off temporarily, or set your options so that popups from certain sites are allowed.

Q.: Why can't I get to my full text?

A.: We might not have access to that article; not all journals exist in online form. Check the "Availability:" range on the SFX menu to make sure that your article is available.

Q.: What if it isn't?

A.: In the SFX menu, click the EUCLID link to check and see if we have your article in print, microform, or some other format. If we don't, then please try Interlibrary Loan.

Q.: I read this whole thing, but you didn't answer my question. Where can I get more information?

A.: You can visit the SFX FAQ at:

www.library.emory.edu/sfxemoryfaq.html.

Or, you can contact your subject librarian, ask at the Reference Desk, or send email:

ASKEJOURNALS

@LISTSERV.CC.

EMORY.EDU

Questions are always welcome!

"No one has the right to encumber science with premature assertions."

—Charles Ricet



Now Available at the Chemistry Library!

SciFinder 2004 & Crossfire Commander v7

(Beilstein) - ChemCommons access and install CD available

Electronic Reserves - A web-based application for delivering supplemental course offerings

Document Delivery - A service to faculty, graduate students, post-docs, and visiting fellows

EJournals- Database of hundreds of online journals

Web of Knowledge - Portal to Web of Science, ISI Chemistry, Current Contents Connect

Knovel - Interactive web-based database providing access to over 450 reference books and databases from 30 major publishers of scientific and engineering resources. The full text database is searchable with enhanced web-based data analysis, live tables, graphic applets, and equation solvers.

www.knovel.com

ChemNet - Off campus access to both SciFinder and CrossFire. Installation instructions are on the Chemistry website
<http://chemistry.library.emory.edu>
(Off-Campus Access)

Always available in ChemCommons at the Chemistry Library

Aldrich FT-IR Condensed Phase	Methods in Enzymology Index (1955-1996)
Analytical Abstracts/ Analytical WebBase	NIST Chemistry Webbook NIST Databases -
CASSI (Abbreviated journal titles list)	Atomic & Molecular Physics (VEEL) Database
Combined Chemical Dictionary	Chemical Kinetics Database
Comprehensive Heterocyclic Chemistry I (Katritzky and Rees)	Mass Spectral Database
Comprehensive Organic Transformations	Thermochemical Databases
Directory of Graduate Research (DGRweb 2003)	Official Methods of Analysis of AOAC
Merck Index	Organic Syntheses (Cambridge Soft)
	Chemical Synonyms and Trade Names

WOULD YOU LIKE TO SEE...

- An improvement in the quality of your students' research?
- Increased awareness of plagiarism and how to avoid it?
- A webpage tailored for your class, highlighting useful resources?

WE'RE HERE TO HELP!

Your subject librarian can provide several kinds of education- and research-related services geared towards your needs. Additionally, the Woodruff Library and the Health Sciences Center Library offer drop-in workshops for everyone from undergrads to graduate students to professors, addressing topics such as preventing plagiarism and using resources like EndNote to create a bibliography.

Whether you would like us to come teach a "How-To" session, or create a course guide webpage to provide round-the-clock access to helpful library materials, or just drop by your class to introduce ourselves and offer library assistance when needed, help is as close as your phone or your email box. Simply drop your librarian a line (see "Contacts" list in this newsletter), and he or she will be pleased to provide the service you need.

For more detail about our libraries' classes and educational programs:

On the General Library's homepage (<http://web.library.emory.edu>) choose Research and Teaching Support, and on the Health Sciences Center Library's homepage (<http://www.healthlibrary.emory.edu>) choose Instruction.

"Three months in the laboratory can save a couple of hours in the library"

—Matt Zimmt

Elsevier Expands Authors' Rights

by Kristan Majors-Chilcoat

[http://authors.elsevier.com/
getting_published.html?dc=CI](http://authors.elsevier.com/getting_published.html?dc=CI)

Elsevier has expanded copyright privileges for authors. Some of the rights authors now retain without requiring permission from Elsevier are included below:

- The right to make copies of the article for their own personal use, including for their own classroom teaching use.
- The right to post a personal copy on the author's personal web page or the web site of his/her institution, provided that one includes a link to the journal's home page or the article's DOI and include a complete citation for the article. This means that the author can update his/her version (e.g. the Word or "tex" form) to reflect changes made during the peer review and editing process.
- The right to post a pre-print version of the article on Internet web sites including electronic pre-print servers, and to retain indefinitely such version on such servers or sites.
- The right to present the article at a meeting or conference and to distribute copies of such paper or article to the delegates attending the meeting.
- The right to include the article in full or in part in a thesis or dissertation (provided that this is not to be published commercially).
- The right to use the article or any part thereof in a printed compilation of works of the author, such as collected writings or lecture notes (subsequent to publication of the article in the journal).

For complete details, visit Elsevier's Author Gateway

[http://authors.elsevier.com/
getting_published.html?dc=CI](http://authors.elsevier.com/getting_published.html?dc=CI)

"Knowledge is a process of piling up facts; wisdom lies in their simplification".

—Harold Fabing and Ray Marr

CHEM 597R

by Donna Hudson

Chem 597R, Introduction to Library Research, is a one credit course required by the Chemistry Department for all incoming, first-year graduate students.

The course meets for 12 hours during orientation week, first semester, with students meeting one-on-one with the Chemistry Librarian, Donna Hudson, during the second semester.

All aspects of library services are presented during the course. Everything from answering questions about circulation policies, learning how to use Euclid, and requesting a book on interlibrary loan to learning how to gain access to the library's vast collection of electronic full-text journals and searching sophisticated databases such as Web of Science, SciFinder Scholar, and CrossFire Beilstein and Gmelin is covered.

After students select research advisors in February, the second part of the course begins in earnest. Research advisors and students start by consulting about a topic of significance to research in their group. From those discussions a library research topic is developed. Topics may include a retrospective search of the literature to give the student an in-depth, overall look into an aspect of the group's research or the emphasis of the literature search may be to identify directions for new research.

When students are ready, research consultations are scheduled with the librarian to discuss strategies for searching and finding information. Some

of the questions that are asked during the consultation include: How can you find many articles when you have only one good starter paper or know only that the topic is being researched in your group? What about background? How do I find it? Is there more than one database or reference source I should be checking? What are they? Have any of the papers that I consider good been cited by others since they were published? How can I begin to build a personal database of the articles and references that I know will be important to my research at a later date?

After answering a number of questions and investigating their topic through a variety of resources, students are ready to write a research paper that adequately discusses and documents their findings. The semester begins to come to an end, research is done, the paper is written and now it's time to think about what has been learned. For the final course requirement students write a brief process paper describing, documenting, evaluating, and drawing conclusions about finding library materials and information in their specialized area of Chemistry.

Another new year, new graduate students and another Chem 597R, Introduction to Library Research, is about to begin. Class meets August 17, 18, 23rd. For times and locations check with Donna Hudson at 404-727-7897 or libdth@emory.edu.

CrossFire Commander v.7.0 is here!

Come by the Chemistry Library
to get your copy
today!



Submission Requirements

*To submit an article to
Scientific Notations*

Please send article in Word or Email format to

chemlib-1@listserv.cc.emory.edu

*or fax a copy to
404-727-0054*

Word or email format is preferred!

Improved Web of Science / ISI Citation Indexes

by Kristan Majors-Chilcoat

ISI Web of Science has a new and improved look. *Web of Science* is your source for *Science Citation Index*, *Social Science Citation Index*, *Arts & Humanities Citation Index*, *Index Chemicus*, and *Current Chemical Reactions*. The basic look and feel of the site is similar to the older version but they have added more user-friendly features to streamline your searching.

Some of the new features are:

- **Analyze tool** – Allows you to analyze your search results by author, publication year, language, institution, or source title. The analyze tool allows you to see trends in a particular field of research. For instance, if you analyze by source title you can see a ranking of the journals authors most frequently use to publish this research. Or, you could analyze the institution to see which university, research center, or lab publishes the bulk of the scholarly research in this field.
- **Find Related Records** – The *Related Records* tool links you to articles that share references. Thomson ISI improved this feature by including the exact number of references shared by the two articles. Thus,

Web of Science now sorts the related articles by the most relevant.

- **Citation Alert** – Tracks when authors cite your article by setting up a citation alert. You can register to receive emails notifying you when someone cites your work. (Note: if someone cites your work using an incorrect citation this will not be included in this count.)
- **Cited Reference Searching** – Additional instructions and a tutorial were added to this search page. *Cited Reference Searching* allows you to identify all of the times authors have cited your work including the times the article was improperly cited, e.g. misspelling author's last name, article listed as "in press," or wrong page number cited.

"The fruits of the tree of knowledge are various; he must be strong indeed who can digest them all."

–Mary Coleridge

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Contacting the

Science Libraries at Emory University

CHEMISTRY LIBRARY

Main number: 404-727-6618
Listserve: CHEMLIB-L@listserv.emory.edu
Website: <http://chemistry.library.emory.edu>

HEALTH SCIENCES CENTER LIBRARY

Information Desk: 404-727-8727
Website: <http://www.healthlibrary.emory.edu>

MATH/SCIENCE LIBRARY

Main number: 404-712-1150
Website: <http://web.library.emory.edu/libraries/mathsci>

UPCOMING EVENTS

- Math/Science Library reopens August 26, 2004
- Time for faculty to request their Reserve materials from the libraries
- Reminder: Contact your subject librarian or library to request workshops for your courses, one-on-one training sessions for new faculty, staff, and grad students, request library purchases, one-on-one research consultations, etc. For more details see these web sites: **General Libraries Instructional Services and Resources for Faculty:** <http://web.library.emory.edu/services/instruct/instruction.html#B>

Instructional Services and Resources for Students:

<http://web.library.emory.edu/services/instruct/instruction.html#A>

Health Sciences Customized Instruction:

<http://www.healthlibrary.emory.edu/modules.php?name=Content&pa=showpage&pid=20>

- EndNote classes: check the Emory Home page
- Chem597 library classes: Aug 17, 18, 23rd. Check with Donna Hudson (727-7897 or libdth@emory.edu) for times and locations

Questions or problems regarding electronic journals?

Email:

askejournals@listserv.cc.emory.edu