

SEL Bytes

UK Libraries Purchase Knovel

The UK Libraries recently purchased the [Knovel Library](#) providing access to over 800 full-text engineering and scientific reference works, handbooks, and databases.



What makes Knovel so different from other e-book platforms? Many books and databases in the Knovel platform include tables, graphs, and equations, which are made interactive with links to Web-based software applications called [Productivity Tools](#). (Cont'd. on page 2)

[More Details](#)

ILI-INFODISK Standards INFOBASE

This past summer we did an inventory of our engineering standards. We discovered out of 16,000 standards only 1,000 were current. We are in the process of boxing and moving the defunct, superseded, and/or withdrawn standards to King Library Storage. The current standards have been relocated to boxes in the microfiche area. These standards as well as any future standards we purchase are now listed on the [ILI-INFODISK Standards INFOBASE](#).



(Cont'd. on page 3)

[More Details](#)

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Knovel's **Quick Reference Guide** is a handy front-and-back guide for using the Knovel Library service. The QRG, is now available in multiple languages, including: Chinese, English, German, Polish & Spanish. Pick one up at the Shaver Engineering Library front desk.

New UK Libraries Website

Newsletter Spotlight

The UK Libraries has transformed their website. Check out the new Shaver Engineering Library website at

<http://www.uky.edu/libraries/sel> Don't forget to update your bookmark!

Web of Science Update—Spotlight on Journal Citation Reports

How Web of Science Can Transform Your Research



- Discover who is citing your work—the impact it has on the research community
- Uncover seminal research of an important theory
- Follow research trends
- Check your colleagues research
- Verify references
- Locate references to lost works
- Find related research
- Find potential collaborators for projects

Have you been reading about Journal Citation Reports (JCR) in the Chronicle of Higher Education, but never used this database? Here is brief rundown on what this database can do for you.

JCR has expanded its analytical capabilities beyond the journal level to include journal categories, making it easier for users to spot trends in journal coverage and make collection management decisions. JCR now includes:

Citation statistics for each category as a whole. Much of the same statistical information available for individual journals will now also be available for journal categories — based on combined data within each category.

Statistical data for each category includes: Total cites, median impact factor, aggregate impact factor, aggregate immediacy factor, aggregate cited half-life, number of journals in category, and number of articles in category.

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[More Details](#)

UK Libraries Purchase Knovel (Cont'd. from page 1)

Data displayed in Productivity Tools is extracted from the text, or comes directly from the database. It can be customized and manipulated, adding value to the original data. Productivity Tools may also include various calculation and design packages.

The Knovel platform also offers a [Chemical Structure Search](#) tool, which is used to draw and perform searches on chemical structures and access the [Spectra Viewer](#) that displays interactive HNMR or MS spectra data. Chemical Structure Search and Spectra Viewer are only available in Java format.

Use Knovel Productivity Tools:

- To manipulate, analyze, and export the data:
- Customize data in tables as you would in an Excel spreadsheet
- Extract data from tables built on equations and plot graphs using the coefficients
- Use digitized graphs to capture coordinates
- Plot graphs from raw data to compare variables and perform 'what if' experiments
- Draw and search chemical structures
- View and perform calculations on Spectra and on Phase Diagrams

Subject Searching

Titles and databases are comprised of PDF or HTML formatted pages, which are full-text and [keyword](#) searchable. These sources may feature hyperlinks in the table of contents (front matter) and in the index, which allow you to access subject matter in the text more easily.

The advanced search guides you through steps to combine keywords with properties data (both textual and in numerical ranges) as well as chemical structures on some databases.

Software Requirements

Knovel requires Adobe Acrobat Reader and some publications may require Flash or Java. See [Software Requirements](#) for more information and download instructions for these free applications.

Accessibility

Accessible via campus computers. Also available off-campus for UK faculty, students and staff; follow these [proxy server access instructions](#).

IEE Journals Now Online



IEE journals are now available electronically full-text at the [IEE Digital Library](#)

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SFX—Coming Soon to UK Libraries

Newsletter Spotlight

Watch for SFX Link Server coming to UK Libraries in 2006. This tool will streamline linking to e-journals. SFX will identify whether UK Libraries subscribe to the full-text e-journals or provide a link to a database that contains full-text articles such as *Academic Search Premier*.

In addition, if the full text of an article is not available electronically, the user can seamlessly check the library catalog for print holdings or make a document-delivery or interlibrary loan request. Using e-resources will be much easier when SFX arrives!

Shaver Engineering Library Staff

Sue Smith, Head Librarian

Jen Eskew—Senior Library Technician

Main Phone # 257-2965

Website: <http://www.uky.edu/libraries/sel>

Web of Science Update (Cont'd from page 1)

Journal Relatedness — Related journals have cited and citing relationships. Users can see which journals share citations, and are therefore most related to the journal they are investigating.

Links to category scope notes — Explanations for each category define what areas it covers.

To learn more about the new *Journal Citation Reports on the Web*—[Go to the tutorial](#)

For Researchers: Current Contents

Do you need to stay on top of research in your field? Current Contents may fill that bill. You can set up alerts that will regularly send you email tables of contents or articles by subject. Check out the new features below and then link to a Current Contents tutorial for more information.

An Introduction to Current Contents Search

CC Search Editions provides access to more than 7,000 of the world's leading scholarly research journals and books in the following disciplines. You can limit your search to a particular discipline using the [CC Edition](#) (CC) field:

Agriculture, Biology and Environmental Sciences; Arts and Humanities; Clinical Medicine; Engineering, Computing and Technology, Life Sciences; Physical, Chemical and Earth Sciences ;Social and Behavioral Sciences

Cover-to-cover indexing, complete bibliographic information of articles, chapters, reviews, meeting abstracts, editorials, etc., and tables of contents are provided for each journal and book cited. English-language author abstracts are included for approximately 85% of the articles and reviews from science journals.

Click -> [Current Contents to search.](#)

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Newsletter Spotlight

ILI-INFODISK Standards Infobase (Cont'd from page 1)

Each standard in our collection is bookmarked indicating that we have a copy in our collection.

Requests can be made to purchase standards using the website shopping cart. Since some standards can run hundreds of dollars, all orders are subject to approval by either Susan K. Smith, Head—Shaver Engineering Library or Laura Wayne—Head, Transportation Library.

For further information and training contact Sue at susan.smith@uky.edu or 257-7176.



Shaver Engineering Library Hours

Mon-Thurs: 8 AM—12 AM
Friday: 8 AM— 5 PM
Saturday: Closed
Sunday: 5 PM—12 AM

Scholarly Communication Crisis Impacts SEL

The UK Libraries has had to make budget reductions for the second straight fiscal year. At SEL this has resulted in cuts for both monographs and serials. One of the reasons for this is escalating costs in scholarly communications. The inflation rate for scholarly journals is approximately 8% per year. In order to stay within our budget we have had to make serious cuts in our purchasing program. This year both journals and books are taking a big hit. Even with the journal cuts money normally used for monographic purchases had to be applied to the journals budget to stay within the budget.

Another impact factor in our soaring budget costs is that we are moving from print format to electronic at the request of our library users. Unfortunately this is not a one-for-one swap. In other words, a print journal may cost \$2330 per year, but there are additional 'hidden' costs when we move to the electronic platform which can run from 5% to 15% on top of the journal cost.

To give you an idea of what UK Libraries journal costs run, **we pay Elsevier alone \$1.6 million for their journals!** In addition, we pay 5-10% in annual electronic access fees.

Sometimes the publisher won't allow us to drop a title—we are required to take a 'bundle' which means we are basically committed unless we drop the entire package. American Chemical Society and Emerald are two publishers that enforce this policy.

Controlling Costs

One way we try to control cost is via consortia purchasing. UK Libraries belong to a couple of library consortia that are composed of various libraries across the state and region. While this gives us better pricing and bargaining power, it can also cause problems if a member library drops out. Recently the University of Louisville Libraries dropped out of one of our consortial agreements which means that we no longer have access to any UL journals.

As of Fall 2005 Mary Beth Thomson, our new Dean of Collections and Technical Services, instituted a plan to try and keep us within budget. If we want to add a new journal title we need to cut an equal amount plus 20%.

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[More Details](#)

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Resources To Read

UK Libraries Research on Serials Pricing Resources

[2005 - A Serials Cancellation Project at the University of Kentucky](#)

2004 — [Crisis in Scholarly Communication The University of Kentucky Response to the Crisis in Scholarly Communication and the Rising Cost of Serials](#)

Other University Libraries Respond to Scholarly Communication Crisis

2005 - [University of Connecticut Libraries: Scholarly Communication Crisis](#)

2005— [MIT Libraries: Scholarly Communication in Crisis—Why You Should Care](#)

2004-[Cornell University: Transforming Scholarly Communication and Libraries: Serials Pricing](#)

**For 2005/ 2006
SEL Journal Cuts -
See [Page 6](#)**



Scholarly Communications Crisis Impact s SEL

(Cont'd. from page 4)

This should hopefully cover any price increases for the next two years.

Journals Cuts Dissected

Several factors are involved when cutting titles. The most obvious factor is cost. We check to see if we have any online usage stats. The number of uses is then divided into the cost. If the cost per use is over \$30 this journal is marked as a possible 'cut.' Since we can generally obtain articles significantly less than that via document delivery sources (ILLIAD) that is cutoff target. For journals that we receive in paper format, we look at our use statistics.

We then look at *Journal Citation Reports* and see where this title ranks within its field. Is it heavily cited? What is the life expectancy of articles in this journal? Who is citing this journal? The next item on our checklist is whether UK faculty is publishing in the publication—how often and how recently. The last item is whether the publication is still reflective of current COE research and areas of study.

Since we had an extremely short turnaround time for journal cuts last August, Eric Grulke and Donn Hancher worked with us to identify titles that we felt didn't meet our criteria.

Some titles that appear as cuts for 2005/2006 were actually titles that were cut for 2004/005, but were never cut by the publisher because of subscription cycles or other issues.

2007 Journal Evaluation

This year we will be starting our journal review process at a more reasonable timeframe—Spring 2006. I expect to have a list of our current subscriptions available for viewing by March 1st. While I need feedback on what you feel we need to keep and what you would like to see us add, ***please be realistic and selective about your requests***—we simply cannot buy everything. Many of the other campus libraries have made serials cuts for several years, but SEL has only started trying to gain control over the budget for the past two years. While this is not an easy process *it is a necessary one*.

If you have any questions, please contact me at the phone number or email address below.

See 2005/2006 cuts on page 6.

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Information Literacy Classes For Faculty, Staff and Students

Information literacy is a set of abilities requiring individuals to "recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information."

If you or your students are starting a research project you may want to make arrangements for some updated training in your area of interest. This can focus on subject specific databases, interdisciplinary databases, information services such as alerts and/or ILLIAD; using InfoKat (online catalog) and other library services.

Contact Sue Smith at the email or number below to schedule a session.

Directory of Open Access Journals

This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all subjects and languages. There are now **2009** journals in the directory. Currently **499** journals are searchable at article level. As of today **82462** articles are included in the DOAJ service.

SEL Journal Title Cuts for 2006

- ACM SIGS
- Advances in Engineering Software
- Aluminium International Today
- Annals of Pure and Applied Logic
- Annual Proceedings For the Society for Experimental Mechanics
- Applied Mathematical Modelling
- Artificial Intelligence for Engineering Design Analysis & Manufct.
- ASTM Stds. on Environ. Site Assess. for Commercial Real Estate
- Automatica
- Cement and Concrete Research
- Chemical Week
- Composite Structures
- Computers & Chemical Engineering
- Conf. Rec. of the Annual ACM Symp. on Principles of Programming Languages
- Control Solutions International
- Corrosion Science
- Desalination
- Energy
- Energy Conversion
- Engineers
- IEEE Spectrum
- Industrial Robot
- International Communications in Heat & Mass Transfer
- International Journal of Advanced Manufacturing Technology
- International Journal of Control
- International Journal of Engineering Science
- International journal of Solids & Structures
- Journal of Optimization Theory and Applications
- Kempes Engineers Year Book
- Mechanism and Machine Theory
- Motion Systems Annual Handbook
- Numerical Heat Transfer: Part A Applications
- Petersons Graduate Programs in Engineering & Applied Sciences
- Proc.of the ACM: Symposium on the Theory of Computing
- Proceedings of the IEEE
- QST
- SIAM Mem. Pkg. (Not cut—Transferred to Math Library Administra-
- Stochastic Environmental Research & Risk Assessment
- Structural Engineer
- TCE-Online
- World Almanac and Book of Facts - Paperbound

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IEEE Update

Newsletter Spotlight

IEEE LAUNCHES REVAMPED WEBSITE

The IEEE website this month underwent the first of several planned enhancements intended to make the site a more valuable resource for members, the technical profession and the general public. The initial updates, which are based on both user comments and Web best practices, include additional search capabilities, a refreshed design, shorter URLs and a migration toward a more streamlined navigation. Check out the new site at:

<http://www.ieee.org/>

ONLINE SEMINARS OFFER TIPS ON SEARCHING IEEE DIGITAL LIBRARY

Users of IEEE online technical information who are looking to improve their research skills may benefit from attending an online "Searching with IEEE Xplore" seminar.

Event dates for February and March have just been announced. IEEE hosts regularly scheduled online seminars and training events, which are free to all. Advance registration is required, and space is limited.

To sign up, visit:

http://www.ieee.org/products/onlinepubs/form/free_training_form.html



UK Libraries has just subscribed to **ProQuest Dissertations and Abstracts**. It includes references to U.S., Canadian, British, and other European dissertations and theses, with detailed abstracts. Each dissertation published since July 1980 includes a 350-word abstract written by the author. Master's theses published since 1988 include 150-word abstracts. Many of the publications also provide the full-text of the first 24 pages. Coverage is 1861 - present; abstracts since 1980; thesis abstracts since 1988.

If UK has submitted electronic theses/dissertations to ProQuest and the author granted permissions, these materials are free to UK library users electronically via the UK Libraries' website at [ProQuest Computing](#).

How To Get A Free Electronic UK Theses/Dissertation

There are several steps you need to follow to get a **free** publication, but if you follow these instructions carefully you will be able to do just that. **Please remember that if you try this for a non-UK publication you will have to purchase it. See instructions below for borrowing a thesis or dissertation.**

Selective full-text of dissertations and theses submitted from the University of Kentucky is available, as is some full-text of publications from other institutions for which authors have given permission to make the full-text available. Look for




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Obtaining Print Copies of UK Dissertations and Theses

University of Kentucky dissertations and theses are available in paper in the libraries' collections; search for them in [InfoKat](#), the libraries' online catalog. A few dissertations and theses from other institutions are also available in paper or microform in the libraries' collections and can be found in InfoKat.

Obtaining Print Copies of Non-UK Dissertations and Theses

You can request items through Interlibrary Loan if you are affiliated with the University of Kentucky. Nearly all master's theses are available for loan, as well as many dissertations. To make an Interlibrary Loan request, you will need to have established an ILLiad account. You can find many of the publications from **Dissertations and Theses** in [WorldCat](#) and make your request through that database. Medical Center Library Users Please Note: please use the [Medical Center Library's ILLiad service](#) for your Interlibrary Loan requests.