

# Science Databases Sampler

## February 29, 2008



### **Something for Everyone**

#### **Academic Search Complete/EBSCO databases**

<http://search.ebscohost.com/login.aspx?profile=ehost&defaultdb=a9h>

Do you need a smorgasbord of disciplines with full-text links? The only downside is the lack of full-text access to some journals for the past 12-18 months.

#### **Annual Reviews**

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

Just like the printed version only online, containing authoritative and analytical reviews across physical, biological, and biomedical sciences.

#### **Citation Indexes/Web of Science/Science Citation Index Expanded**

<http://rave.ohiolink.edu/databases/wok>

Have a good article on a great topic? Want to know who else is working in the area? Try a citation search! You can even search to see who is citing your work, too...☺ In addition, you can study citing and publishing trends using the Citation Report feature.

#### **Digital Media Collection**

<http://dmc.ohiolink.edu/>

Need to jazz up a lecture with multimedia? Look here for video, sound recordings and images across many areas of science.

#### **Directory of Open Access Journals**

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

Support the open access movement and search these full-text, quality-controlled journals and articles.

#### **Dissertations Abstracts (Proquest)**

<http://proquest.umi.com/login?COPT=REJTPTNiMTAmU01EPTQmSU5UPTAmVkVSPTI=>

Check here before you or your graduate students begin a new line of research. Dissertations back to 1861 and theses back to 1988 are included from over 1000 graduate schools in North America and Europe. Full-text of KSU dissertations after 1997 are available for free; a 24-page pdf is available for others to help you decide if you want to buy.

#### **Electronic Books Center (OhioLINK)**

<http://ebooks.ohiolink.edu/xtf-ebc/>

Search for books in medicine, science and technology published by Springer. Print out material in .pdf format. Other non-science publishers are included.

#### **Electronic Journals Available at Kent State University**

<http://qk8mu7jr6k.search.serialssolutions.com/>

Is the journal you want available electronically? Search here by title, keyword or category to find out.

**Electronic Journal Center (OhioLINK)**

<http://journals.ohiolink.edu/ejc/>

Want full text? Start here for great coverage of the sciences, articles in .pdf file format and the ability to set automatic searches and RSS feeds for the journals and topics of interest to you.

**ERIC**

<http://rave.ohiolink.edu/databases/login/eric>

Yes, it does contain a lot of information about education, but it also contains literature on science education and related topics.

**FreePatentsOnline**

<http://www.freepatentsonline.com/>

Need to print out a patent whose number is above 4,000,000? Register for free at this site, and get the .pdf without too much stress. You may also search for worldwide patents as well, though there are other databases for that. (See <http://www.library.kent.edu/page/10539> for additional patent and copyright resources.)

**Google Scholar**

<http://scholar.google.com/>

Search for scholarly literature (peer-reviewed papers; theses, books, web sites, preprints, patents). Links to full-text to which KSU has access may often be available.

**JSTOR**

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

Need an older or more historic article? Search here for journal back runs that frequently go back as far as the first volume and issue of a title (including *Science*, *Science News*, and *PNAS*). Botany, biological sciences, ecology, geography, health sciences and policy, history of science, education, mathematics and physical sciences and more are represented.

**PapersFirst**

<http://newfirstsearch.oclc.org/dbname=PapersFirst;done=referer;FSIP>

Heard a paper presented at a conference but can't remember when? This database indexes papers from every conference, congress, exposition, workshop, and symposium received by the British Library Document Supply Centre.

**ProceedingsFirst**

<http://newfirstsearch.oclc.org/dbname=Proceedings;done=referer;FSIP>

Search for conference proceedings information (full citation, as well as tables of contents) as received by the British Library Document Supply Centre.

**Scirus – For Scientific Information Only**

<http://www.scirus.com/srsapp/advanced/index.jsp>

Free scientific information search engine, for which the full-text is often available!

**WorldCat**

<http://newfirstsearch.oclc.org/dbname=WorldCat;done=referer;FSIP>

Looking for something old or new? Check here for books, manuscripts, journals, maps, slides, Internet resources and more. You won't find the individual articles or chapters here, though.

## **Health and Life Sciences**

### **Biological Abstracts**

<http://rave.ohiolink.edu/databases/login/bioa>

Access over 5,500 international journals in biological and medical disciplines. Connect to full-text articles where available.

### **BioMed Central**

<http://www.biomedcentral.com/inst/gateway/>

Open access, peer-reviewed biomedical literature! KSU authors do not have to pay any article processing fees for publishing in journals published by BioMed Central!

### **CINAHL Plus with Full-Text (1937 - Current)**

<http://search.ebscohost.com/login.asp?profile=cnh&defaultdb=rzh>

It's not just nursing, but also allied health fields, alternative/complimentary medicine and more, back to 1937! Search for book chapters, conference proceedings, dissertations, standards of practice and other useful material.

### **Cochrane Library**

<http://search.ebscohost.com/login.asp?profile=cochrane>

Look here for controlled trials, systematic reviews and review of effectiveness, culled from the world's journal literature to create an unbiased and evidence-based source of information.

### **Current Protocols in Microbiology**

(Available only in the Chemistry/Physics Library)

Need a protocol? Look for published methods in DNA preparation, sequencings, microarray analysis and more from biologist from all over world.

### **Current Protocols in Nucleic Acid Chemistry**

(Available only in the Chemistry/Physics Library)

Find basic to advanced techniques for synthesis, purification, modification, analysis, and use of nucleic acids, nucleotides, and nucleosides.

### **Environment Complete**

<http://search.ebscohost.com/login.asp?profile=web&defaultdb=eih>

Search here for international literature on agriculture, ecosystems ecology, energy, natural resources, marine and freshwater ecology, urban planning and more.

### **Health Source (Nursing/Academic Edition)**

<http://search.ebscohost.com/login.asp?profile=web&defaultdb=hch>

Check here for scholarly, full-text literature in nursing and allied health topics.

### **Highwire Press**

<http://highwire.stanford.edu>

Stanford University Press hosts the largest repository of open-access life science articles.

### **MEDLINE Complete (1950 – present)**

<http://rave.ohiolink.edu/databases/login/medl>

Find the world's premiere medical literature here. Search the free version, **PubMed**, at <http://www.ncbi.nlm.nih.gov/sites/entrez?db=pubmed>.

### **National Center for Biotechnology Information**

<http://www.ncbi.nlm.nih.gov/>

Your tax dollars at work! U.S. Government-sponsored and produced databases and software tools to assist in genetic sequencing and analysis.

### **Molecular Biology Mini-Guide**

<http://www.library.kent.edu/page/11393>

A handy list of bioinformatics and sequencing databases sites, education and animation sites, and scientific writing sites.

## **Physical Sciences**

### **ACS Journal Archive**

<http://pubs.acs.org/about.html>

Want peer-reviewed chemistry and related literature published by the American Chemical Society? Look no further; it's right here.

### **Beilstein with Abstracts via Crossfire**

Only available at the Chemistry/Physics Library or via download (see C/PL library staff for information)

Look here for chemical, physical, and structural properties, reactions, substances and references for more than 8 million organic compounds and 5 million chemical reactions. Search by structure, keyword, or reference.

### **Cambridge Structural Database**

(Available in the Chemistry/Physics Library with site license for use by graduate students and faculty.)

All crystal structures and related information all of the time for over 245,000 organic and metal organic compounds. Included are bibliographic information, 3-D crystal structure, and 3-D molecular structure.

### **Compendex (1969-Current)**

<http://rave.ohiolink.edu/databases/login/cndx>

Sure, there are engineering topics, but also materials science, biophysics, liquid crystals, education, computer science and more!

### **Compendex Historical (1884-1968)**

<http://rave.ohiolink.edu/databases/login/cnd0>

Contains the old engineering and related topics literature.

### **GeoRef**

<http://rave.ohiolink.edu/databases/login/geor>

Look for journals, conference papers, maps, books, and more covering geosciences and related topics back to 1785 for North America and back to 1933 for the rest of the world!

**Inspec (1969 – current)**

<http://rave.ohiolink.edu/databases/login/insp>

Need something technical? Looking for literature in liquid crystals, physics, biophysics, materials science, computer science, electrical engineering, electronics, or information technology? Look no further, as you'll likely find it here. You can even find information on science education and information literacy!

**Inspec Archive (1898-1968)**

<http://rave.ohiolink.edu/databases/login/ins0>

You can find the old stuff in physics, engineering and related topics here.

**LiqCryst Online**

<http://liqcryst.chemie.uni-hamburg.de/en/lolas.php>

Free, online searching of LiqCryst 3.2! Find structures, properties and references for approximate 75000 thermotropic compounds. Search a more current version of LiqCryst (4.6) in the Chemistry/Physics Library.

**Physical Review Online Archive**

<http://prola.aps.org/>

Search the journals of the American Physical Society back to 1893!

**PubChem**

<http://pubchem.ncbi.nlm.nih.gov/>

Need biological properties and activities of small molecules? It's all here! Again, your tax dollars at work!

**Royal Society of Chemistry Archive (1841-2004)**

<http://www.rsc.org/Publishing/Journals/fjournalsearch.asp>

Need an RSC journal? Check here for the old and newer literature and the EJC for the most current.

**SciFinder Scholar**

(Only available in the Chemistry/Physics Library)

This online version of Chemical Abstracts is much easier to search and also searches MEDLINE back to the 1950's. You'll find articles, patents, conference proceedings, substances and their properties, reactions, and you may search by chemical structure, name, or chemical registry number.

**Scitation**

<http://scitation.aip.org/>

Search the publications of the American Institute of Physics, SPIN (Searchable Physics Information Notices), Pubmed/MEDLINE, and Scitopia (a noise-free, scientific search engine). Register to get even great access!

## **NOTES**