Chemical Abstracts Informational Session

Class: Chemistry 363 - Organic Chemistry
Time: 10:00-10:52 a.m.
Date: 4-12-00
Professor: Professor Sundin
Librarian: Bryan Schwark, Division Librarian for College of Engineering, Mathematics and Science

A. Welcome to this presentation - Purpose is to provide a brief overview of CHEMICAL ABSTRACTS, a major world indexing and abstracting service. While there are other indexes and services available that can be used to locate citations to chemical materials, online, and in our library and other libraries, CHEMICAL ABSTRACTS is the most comprehensive source for locating citations to chemical literature in the world.

The value of this session is four fold:
1. To introduce to you how to identify and obtain informational resources, from citations located through CHEMICAL ABSTRACTS, that will be of value in your professional career.
2. To help you obtain information that will assist you in completing the CHEMICAL ABSTRACTS instructional work sheet for your course work.
3. To provide information on how to use sources to determine where cited materials may be located and obtained.
4. To introduce the Division Librarian for the College of Engineering, Mathematics and Science who is willing to assist you in the location of informational materials for your assignments and projects. [ http://vms.www.uwplatt.edu/~schwark/ ]

B. CHEMICAL ABSTRACTS [ http://www.cas.org/casdb.html ]
[ http://www.cas.org/PRINTED/printca.html ] Located on the Main floor of the Library on the Index Tables, just behind and to the left of the Reference Desk)
1. Completeness
2. Weeklies
3. The printed Sections of Chemical Abstracts [ http://www.cas.org/PRINTED/sects.html ]
4. Retrospective searching can be done by starting with one of the following pieces of information:
   a. A subject term
   b. Chemical substance name
   c. Molecular formula
   d. Ring system
   e. Author's/inventor's name
   f. Patent number
5. Indexes for retrospective searching with above information:
   a. Index Guide [use 1982]
   b. General Subject Index
   c. Chemical Substance Index
   d. Formula Index
   e. Index of Ring Systems
   f. Author Index
   g. Patent Index (International coverage)
6. Finding the abstract, full title of the desired publication or journal, and where the publication or journal may be located. [CASSI: Chemical Abstracts Service Source Index -includes supplements]
7. How to Search Printed CA (booklet handout)
8. Questions
9. How to Search Printed CA (single sheet handout)
C. Sources to locate where *journal titles and other publications* that may be cited in *CHEMICAL ABSTRACTS* can be obtained.

1. **WISCAT** (Wisconsin Catalog) [http://wiscat.brodart.com/] Indexes collections of over 1,200 libraries in Wisconsin. [Useful to locate materials not in our library, but in other Wisconsin libraries.] Currently located through the Karrmann Library’s Home Page under “Online Resources” and then “Online Databases.” Do a title search.

2. **WorldCat** [http://firstsearch.oclc.org/autho=100-197-477;db=WorldCat;FSIP] Union Catalog of the members of the OCLC Online Computer Library Center. Provides bibliographic citations to the holdings of thousands of libraries in the U.S., Canada, Europe, and other parts of the world. [Useful to locate materials not in our library and provides easy online requesting of book material through ILL.] Currently located as WISCAT in C.1. above. Do a title search.

D. **STNEasy**. [http://stneasy.cas.org/html/english/login1.html] CHEMICAL ABSTRACTS may also be searched online through a commercial service on the Internet. The service we have at UW-Platteville is STNEasy. Chemical Abstracts Service, a division of the American Chemical Society, has the rights in North America to provide this service for a fee. Searches are done by faculty after 5:00 p.m., and the cost is based on “each search, plus a fee for each answer displayed in detail.”

E. **CAS STANDARD ABBREVIATIONS** [http://www.cas.org/ONLINE/standards.html] (Located with CHEMICAL ABSTRACTS)

F. Library and Information Assistance

1. Reference Desk - Main floor
2. Division Librarian for College of Engineering, Mathematics and Science - First floor
   Email schwark@uwplatt.edu
3. Interlibrary Loan Department - First floor [http://vms.www.uwplatt.edu/~ill/]
4. Resources by Academic Area. Chemistry and Engineering Physics

G. Karrmann Library Holdings of CHEMICAL ABSTRACTS

[Note: Karrmann Library has CHEMICAL ABSTRACTS from v.1, 1907 - v.91, 1979 in storage behind the Periodicals-Interlibrary Loan Department. V.92, 1980 - v.97, 1982 are shelved on the Main floor in the Reference Area. The subscription was discontinued due to budgetary constraints. Current access is available through database searches mentioned above in D. above.]


4-7-00