

# SLA Chemistry Division E-Newsletter

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### *Message from the Chair*

*Ted Baldwin*

Hello Chemistry Division Members,

By the time this issue is published, the division will have wrapped up work with two major professional events. First is the Web Conference of poster presentations on the Baltimore session theme of "Working Outside of the Box," wrapping up in late October. Kudos to Bill Armstrong for (once again!) stepping up and managing this important initiative. Second, the Tri-Society Symposium, held in conjunction with the 2006 ASIS&T conference, will have completed its exploration of how libraries and information centers are shaping the digital information world, and how they are being shaped by it. Thanks go to KT Vaughn from ASIS&T, who spearheaded the program planning. Papers from the symposium may be published as journal articles, and I will communicate their availability to the division's listserv as I get more details.

I want to encourage each of you to attend the SLA Leadership Summit coming up in Reno, January 24-27.

Ben Wagner will become Chair of the Division beginning in January, and will preside over a Chemistry Division board meeting at the Summit. I will not be able to attend Reno, but I know that this will be an important kickoff meeting for both Ben and Sue Cardinal, who will begin her term as chair-elect. More details about the Leadership Summit at

<http://www.sla.org/content/resources/leadcenter/LeadershipSummit/07leadsummit/>

Chair's Message, cont'd on page 2.

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The Editor welcomes readers' contributions. Items wanted include: Articles of interest to the community of chemistry information specialists, book reviews for new reference materials, citations for new journals, accomplishments & accolades for the Members' Corner and website recommendations for "Beyond the Chemistry Web." If you have something you would like to contribute, please contact the Editor or send it via e-mail as a text file or Word document.

Copy Deadline for January– March Issue:

January 5, 2007

We are just past the first anniversary of adding of the Materials Research & Manufacturing Division as a Section of DCHE, and the various MRM representatives have made great progress! Marty Rhine is completing her term as section co-chair at the end of this year, and Betsy Aldridge will continue in 2007 as the sole section chair. We are grateful for Marty's input and knowledge of MRM history as we moved ahead with integrating the new Section.

Sadly, this is my last column as chair-elect! I thought it was best to close with a few compliments. I have been honored to have served the division for so many months, and appreciate everyone's support and input. The Chemistry Division is abundant with many talented, intelligent, and well-rounded people, and it has been a joy to lead this community. ❖

Ted

### *From the Editors' Desktops*

Mary Ann Mahoney and Meghan Lafferty

This is my swan song, my last issue as co-editor. I've enjoyed working with so many of you, but now the green eyeshade belongs to Meghan. I want to thank all the contributors to this and past issues – you make it easy to be an editor. I'd also like to encourage those of you who have not yet written for the newsletter to think about doing so. You are a very talented group of librarians and information professionals and have lots to share. It is much easier than you think; you probably already have the basis for an article from a web page you have written or communications with your patrons and user groups. In fact, once someone commits to writing an article, the biggest problem is trying to keep the article short enough!

Finally, if you would like to be an editor, there is an opening. I am sure Meghan would like to hear from you. You get to work with a great group of people and the skills you learn are directly transferable to your workplace.

I hope to see you in print in 2007! ❖

Mary Ann



## *Message from the Chair Elect* Ben Wagner

The deadline for this newsletter comes just as Marie Fraties-Block and I are busy entering the details of Denver 2007 SLA Annual Meeting in the preliminary program planner. See the preliminary program at <http://units.sla.org/division/dche/2007/preliminary.pdf>. More on Denver in a moment, but I wanted to draw your attention to SLA's Leadership Summit in Reno, NV on January 24-27, 2007.

The Leadership Summit is open to all SLA members and would be especially helpful to anyone in any leadership capacity or simply considering future leadership roles. SLA staff have put much renewed effort in the Summit, providing top-notch speakers and trainers, terrific professional development, position-specific sessions, and many opportunities to network with the SLA Board, staff, and other divisional/chapter leaders.

Since this is the first year our officer positions run from January-December, I will be holding a board meeting from 8-10 a.m. on Saturday morning, January 27, 2007 in Reno. All members of the division as well as the new board are welcome to attend.

Full Leadership program details are available at <http://www.sla.org/content/resources/leadcenter/LeadershipSummit/07leadsummit/index.cfm>. To give you some idea of the quality of the program, this year the two keynote speakers are:

- Chip Heath, author and Professor of Organizational Behavior in the Graduate School of Business at Stanford University. His research examines why certain ideas-- ranging from urban legends to folk medical cures, from Chicken Soup for the Soul stories to business strategy myths-- survive and prosper in the social marketplace of ideas.
- Dr. Ken Haycock, Director of the School of Library and Information Science, San Jose State University. Dr. Haycock has been coordinator of 115 libraries and information centers for a large urban school district, CEO of a large regional public library system, and manager of three special libraries.

In terms of Denver 2007, by the time you are reading this, you will have hopefully seen a number of email calls for volunteer moderators, papers, and other details

about the conference program. If you are a member of our Chemistry Division, be certain you are a subscriber to our divisional list or you will miss many announcements. See <http://units.sla.org/division/dche/listserv.htm> for details.

Note also that the 2007 Annual Meeting is unusually early, Sunday, June 3 through Wednesday, June 7. With only twelve program slots, including the three 7:00 a.m. breakfast slots (calling all morning people!), we all need to realize that, of necessity, Wednesday will be a full day of programming right up to 4:30 p.m. As an academic librarian who does not necessarily get full travel funding, I realize how tempting it is to use Wednesday as a travel day and save a night of lodgings. But why not take full advantage of the conference and all the effort it takes to get there? Why not fly out as late as possible on Wednesday, or even better, fly out early Thursday when you are rested and can enjoy the beautiful city of Denver for one more night without have 5 different vendor parties to attend or committee meetings? Just like we have an early-bird dinner, I'd be glad to organize an informal late-bird dinner on Wednesday night.

Finally, I wish to announce that Sue Cardinal, our new chair-elect, is stepping down as our ACS liaison to devote her energies to all that is involved in being chair-elect. Bing Wang at the Georgia Tech Library & Information Center in Atlanta, GA has graciously volunteered and been appointed as our new ACS liaison. Bing is a subject librarian for chemical, biomolecular, material, polymer, textile, and fiber engineering Subject Librarian. Visit her staff web page to learn more at [http://www.library.gatech.edu/research\\_help/librarians/wang.html](http://www.library.gatech.edu/research_help/librarians/wang.html).

Ted Baldwin and the previous chairs have built and maintained a strong division with the assistance of our entire board. By working together, we can continue the tradition. Please contact me any time with questions or comments. ❖

A. Ben Wagner, Chair-Elect  
[abwagner@buffalo.edu](mailto:abwagner@buffalo.edu)  
716-645-2947 x230



## ***Welcome to Our New Members*** Including the Materials Research & Manufacturing Section!

Sabrina W. Miller  
Champion Technologies  
Logis., Mat., Testing, & Library  
Fresno, Texas, USA

Mindy L. Peter  
Carpenter Technology Corporation  
R&D Center Library  
Reading, Pennsylvania, USA

Jan M. Leinweber  
SAIT Polytechnic  
Calgary, Alberta, Canada



### ***Message from the Incoming Chair Elect*** Sue Cardinal

Greetings from Rochester, NY,

I'm really excited about becoming the DCHE Chair Elect in 2007 and I thank you for your support. I will be working with Rachel Ellison of Ecolab Inc. to plan the 2008 Seattle National Conference. In order to prepare, Rachel and I are planning to attend the Leadership Summit in Reno in January 2007.

Rachel and I will need your help to organize the most useful, beneficial program. What can you do? We really want to hear your programming ideas. We are already considering "the Science of Coffee" as a possible session.

What have you liked and/or disliked about past conferences that we can learn from? What must you learn to do well in your job? Who would you like to hear speak and what is their expertise? What are some barriers that you would have to overcome to attend? If you can't attend, how can we share the excitement, knowledge and friendship with you?

For those of you who know Seattle, would you be willing to recommend locations for chemistry related tours? What are your favorite restaurants in the convention center area? What are the hidden delights that this wonderful city has to offer?

Every SLA conference I've attended has been fantastic. I've met so many incredible people and learned so much. With the support of such a strong division, I am confident that the Seattle program will be valuable and memorable.

As always, there is too much to do to prepare. I encourage you to find a way to participate as it will enrich your experience. ❖ -- Sue

Sue Cardinal, Chair-Elect 2007  
Chemistry Librarian  
Carlson Science and Engineering Library  
University of Rochester  
585 275-9007  
scardinal@library.rochester.edu



## *Beyond the Chemistry Web...*

Bob Buchanan

### FUN

- **Logical Fallacies: The Fallacy Files** entertainingly explains over 100 common fallacies and maintains an active **Fallacy Files Blog** with examples from current events.  
<http://www.fallacyfiles.org>

- Tired of bad news? Try the **Good News Blog**.  
<http://www.goodnewsblog.com>

### GENERAL

- **Library Terms That Users Understand** is a terrific clearinghouse for data from usability studies and best practices.  
<http://www.jkup.net/terms.html>
- **ALA Best Free Reference Web Sites Combined Index** covers 1999-2005 winners from RUSA's Machine Assisted Reference Section.  
<http://www.ala.org/ala/rusa/rusaourassoc/rusasections/mars/marspubs/MARSBESTIndex.htm>

### GENERAL SCIENCE

- Engaging oral and video histories of famous scientists, and other creative people, can be found at the **Peoples Archive**. Free registration required.  
<http://www.peoplesarchive.com>
- Hear the sounds of space at **Spacesounds** and **Space Audio**.  
<http://www.spacesounds.com>  
<http://www-pw.physics.uiowa.edu/space-audio>
- Watch a stable dusty plasma cloud form and see a nifty polydimethylsiloxane pillars in Princeton's 2<sup>nd</sup> Annual **Art of Science**.  
<http://www.princeton.edu/artofscience/gallery2006>
- **Knight Science Journalism Tracker** provides a "broad sample of the past day's science news" for science journalists.  
<http://ksjtracker.mit.edu>

- Nature lists **50 Popular Science Blogs (written by scientists)** as ranked by the Technorati search engine.  
[http://www.nature.com/news/2006/060703/multimedia/50\\_science\\_blogs.html](http://www.nature.com/news/2006/060703/multimedia/50_science_blogs.html)

### CHEMISTRY

- The **Carcinogenic Potency Database** created by Bruce Ames and coworkers gathers data from over 6,000 animal tests on the carcinogenicity of 1485 compounds.  
<http://potency.berkeley.edu/cpdb.html>
- View 179 mineral structure types via interactive Java Applets and extensive data for over 4,400 mineral species in the **Mineralogy Database**.  
<http://webmineral.com>
- **Synthetic Pages** is a wiki-like database of organic and inorganic synthetic reactions that reads like a journal but with more informal commentary.  
<http://www.syntheticpages.org>
- **Membrane Protein Data Bank** adds data from articles to data from the Protein Databank.  
<http://www.mpdb.ul.ie>
- **BMRB: Biological Magnetic Resonance Bank** is an NMR data repository for proteins, peptides, and nucleic acids.  
<http://www.bmrwisc.edu>
- Designed to promote drug discovery, the publicly accessible **Binding Database** contains binding affinities of over 19,000 biomolecular drug targets.  
<http://www.bindingdb.org/bind/index.jsp>

*Feel free to send recommendations to me at [buchara@auburn.edu](mailto:buchara@auburn.edu). ❖*

The pH Property Help column is on vacation this issue. It will return in the January – March 2007 issue.

## *Highlights of the American Chemical Society (ACS) Meeting San Francisco, CA, September 9 - 13, 2006*

**By Sue Cardinal**

San Francisco has a fabulous history to go along with beautiful views and wonderful food. I was determined to get a few hours of sightseeing in because I had traveled a long way to California. During a free walking tour (<http://www.sfcityguides.org/>), I got a sense of the architecture required to accommodate earthquakes and gold rushes.

The programming of the ACS Division of Chemical Information (CINF) had an international feel mainly due to the “Cyberinfrastructure in Chemistry, Information and Education: New Emerging Technologies” symposium (<http://acscinf.org/dbx/mtgs/232nm/symp/S20960.asp>), which was a collaboration between the Gesellschaft Deutscher Chemiker (GDCh) Fachgruppe Chemie-Information-Computers (CIC) and CINF. We heard from members of the “Blue Obelisk” group ([http://wiki.cubic.uni-koeln.de/bowiki/index.php/Main\\_Page](http://wiki.cubic.uni-koeln.de/bowiki/index.php/Main_Page)) who are promoting the open mode of sharing chemical information and are building software tools for data-mining and automatic indexing.

ACS Publications will add two new journals: “Journal of Physical Chemistry C” and “Nanoscience and Nanotechnology.” ACS Publications also announced “Author Choice” which allows authors to choose to make their articles freely available by paying a \$1000 - \$3000 fee. At one of the receptions, I got the impression that this is very good news for some who have funding expressly for this purpose.

Chemical Abstracts Services said that the next version of SciFinder will include a way to combine answer sets. Hopefully, this feature will appear in SciFinder Scholar in the future.

I crossed over into the Chemical Education Division’s programming when I attended “Chemical Information and Chemical Information Education in the Electronic Age” (<http://acscinf.org/dbx/mtgs/232nm/symp/S21060.asp>). Carrie Newsome described current information literacy standards; many are too vague, too large, or too small to be useful. I was amazed by Allan Hovland’s talk about a chemical information literacy course at St. Mary’s College of Maryland. In one assignment, the students bring two books from the library that they think should be weeded

and justify their choices. He uses the ACS program as a way to point students to hot topics. Lawton Shaw pointed out that patents contain 20% of chemistry information. His talk strengthened my resolve to teach more about them.

In the “Challenges in Structure Searching” symposium, Judith Currano revealed her reference interview questions for molecular analysis for optimal substructure searching. I plan to refer to these often when I encounter new graduate students in organic chemistry with structure searching questions.

Slides for “Library Watch: New Hot Areas in Chemistry” are already posted at <http://www.acscinf.org/>. See “Symposia” for the San Francisco meeting in the “Meetings” section. I heard a rumor that the Herman Skolnik Award presentation and the “Rediscovery of Older Information” symposium were podcasted so I expect them to appear on the CINF site.

The next ACS conference will be held in Chicago, Illinois, on March 25-29, 2007. The CINF committees meet on March 24<sup>th</sup>. Please join us for excellent CINF programming. We are always looking for participants in CINF activities and committees.

Because I will be the new Chair-Elect for the SLA Chemistry Division in 2007, Bing Wang will be the new ACS Liaison. This will be my last “ACS Highlights” column, but I promise to write to you as Chair-Elect, Chair, and Past Chair! I encourage other ACS attendees to think about writing up their experiences, as I know we all experience the conference in different ways. It feels great to share information with those that can’t attend!

Once again, thanks to my employer for making my participation possible. ❖

**ACS Meetings**

## October 2006 Web Conference

by  
William W. Armstrong

From October 10 – 22, the Chemistry Division hosted a web conference co-sponsored by the Physics-Astronomy-Mathematics Division and the Science-Technology Division featuring 19 posters, 18 of which were presented at the SLA Annual Meeting in Baltimore in June. The theme of the web conference, as with the physical session in Baltimore, was “Working Outside Of The Box: Science And Technology Academic And Corporate Librarians Interacting With Non-Traditional User Groups, Materials, Spaces, And Resources.”

The presentations were divided into three groups: (1) Physical Spaces; (2) User Groups – Interactions; and (3) Resources, Materials. Each presentation had its own forum, where viewers and participants could link to the presentation content and also carry on conversations with the presenter, who moderated his or her own forum. The conference site remained open twenty four hours a day, so conference attendees could read and post comments or questions at times convenient to them. As discussion was asynchronous, moderators could do the same, without feeling unduly burdened by being chained to the computer.

Attendance during the conference was good, with over 1400 views of all content and discussion being recorded for the duration. In addition to the 273 conference members previously registered (whose memberships remain valid for future conferences), an additional 60 individuals registered, bringing the total conference membership to 333. As registration and membership is not required for viewing the proceedings, but only for participation in the online discussion, there were likely a good many more unregistered participants, judging by the number of views.

Participation compared well with previous web conferences, with some good discussion occurring in several of the forums. Though the conference is now closed to additional postings, the entire proceedings have been archived and are available for viewing from the SLA Chemistry Division web conference site at [http://www.lib.lsu.edu/sci/chem/vbulletin\\_real/oldforums.html](http://www.lib.lsu.edu/sci/chem/vbulletin_real/oldforums.html) As with past conferences, the viewing statistics for this conference and all its forums continue to grow, even in its archived state, indicating an effective means for communicating and sharing ideas. ❖

*Interested in presenting a poster? Be sure to see the “Call for Posters” on the next page for the SLA Conference in Denver in 2007*

### SciFinder Scholar and Beilstein Posters

Laura Briggs recently sent a post to the CHMINF listserv announcing the availability of two editable posters created by Alan Kirker, a very talented colleague at the University of Waterloo who is a graphic artist. Alan is generously willing to share these professional quality posters. Please retain the photo credit, [kconnors@kconnors.com](mailto:kconnors@kconnors.com). Laura reports that the posters are very effective advertising tools. She places about a dozen of the posters in various spots on campus and is happily surprised by the variety of people who attend the workshops. You can download the posters at <http://www.lib.uwaterloo.ca/discipline/chem/workshops.html>.



**SciFinder Scholar :  
THE BASICS**

This hands-on workshop will introduce you to the basics of searching the database for chemical literature. Learn how to:

- Search by topic, author, and CAS Registry Number
- Perform simple structure, reaction, and substructure searches
- Refine and analyze your answer sets
- Export your references to RefWorks.

Wednesday, October 4  
3:00 to 4:30 pm  
FLEX Lab (L3B 329)

Please register with Laura Briggs, the Liaison Librarian for Chemistry & L33  
(lbriggs@library.uwaterloo.ca or x33112)



**Beilstein  
for Beginners**

Does the Beilstein interface scare you?

This hands-on workshop will introduce you to the basics of finding information on organic compounds and their properties. Displaying answer sets, printing, and exporting data will also be covered.

Wednesday November 2, 10:00 to 11:30 am  
FlexLab (L3B 329)

Please register with Laura Briggs, the Liaison Librarian for Chemistry & L33  
(lbriggs@library.uwaterloo.ca or x33112)

## Call for Posters

**SLA Annual Conference - Denver 2007**  
**Poster Session Theme: *New Technologies in Instruction and Training***  
**Date/Time: Wednesday, June 6, 11:00a.m. – 12:30p.m.**

As the web has evolved, so, too, have programs that enhance our ability to communicate via the web. How have we, as librarians, been leveraging the creative potential inherent in these programs to communicate with and educate our patrons? Blogs, wikis, podcasts, webinars, RSS feeds, and personal response systems (clickers) are just some of the new technologies now in use throughout the web.

If you have been experimenting with any of these new technologies, or others yet unnamed, please consider sharing the results of your efforts at the upcoming poster session at SLA in Denver, June 2007. This session is sponsored by the Chemistry Division, Physics-Astronomy-Mathematics (PAM) Division, and the Science-Technology Division.

The poster session will provide an informal and lively venue for sharing innovative ideas on a topic that should interest all of us. Which new technologies have been working well for you? Which have not? How has your own use of these technologies evolved through time? Your colleagues will be most interested in learning from your efforts, both successful and unsuccessful.

Guidelines for materials and layout of poster presentations are available on the SLA Chemistry Division website at <http://www.sla.org/division/dche/poster.html>.

Please submit your name, institution, fax, email address, poster title, and description (250 words or less) by email, fax, or surface mail to Bill Armstrong at the address given below. The deadline for submissions is March 1, 2007. Any SLA Member is welcome to submit an abstract for consideration. In the event that a greater number of submissions are received than can be accommodated, members of the three sponsoring divisions will be given first preference. All applicants will be notified no later than April 1, 2007 as to whether or not their proposal has been accepted. Contact Bill Armstrong at the address given below if you have any questions about this session.

Bill Armstrong  
Chemistry Librarian  
Middleton Library, Reference Dept.  
Louisiana State University  
Baton Rouge, LA 70803  
Ph. (225) 578-2738  
Fax: (225) 578-2760  
Email: [notwwa@lsu.edu](mailto:notwwa@lsu.edu)

## Call for Nominations

The Chemistry Division Nominating Committee is requesting nominations for the offices of Chair-Elect (January–December 2008, term as Chair starts January 2009) and Secretary (January 2008–December 2008). The Committee would like to hear your suggestions for names of people to consider for these offices. Self-nominations are certainly welcome.

The Committee will prepare the slate of candidates (one candidate for each position) and present the entire slate for a vote at the Annual Business Meeting in Denver (June 2007).

Nominations should be received by February 1, 2007.

Please submit nominations to:  
Ted Baldwin  
College of Applied Science Library  
2220 Victory Parkway  
Cincinnati, OH 45206-2389  
513-556-4211  
[Ted.Baldwin@uc.edu](mailto:Ted.Baldwin@uc.edu)

## Electronic Resources in Science, Technology, and Medicine from Japan

By Mary Ann Mahoney

After attending a recent workshop at UCLA by the Japan Science and Technology Agency (JST) staff I wanted to highlight some of the resources for English-speakers that were discussed. Most are located at <http://www.jst.go.jp/EN>.

The two most useful databases are **J-STAGE and Journals@rchive**. J-STAGE (Japan Science and Technology Information Aggregator, Electronic) hosts the bulletins and journals of Japan's academic societies. J-STAGE provides the computer hardware and software, but each society decides whether access is free or subscription-based. Currently there are 343 journals and 100 conference proceedings in J-STAGE. If you have difficulty determining the online access status of a journal (free or subscription-based), even after checking the individual journal's website, you will be pleased to learn there is a site for master lists of journals, reports and proceedings in J-STAGE with detailed access information (<http://info.jstage.jst.go.jp/eng/info/library/library.html>).

In addition to hosting current content, JST has begun creating digital backfiles for the major Japanese journals. All the abstracts and most of the text in the archive will be free. JST first selected 74 journals to be digitized in FY 2005 ] and 65 journals in FY 2006. (<http://www.journalarchive.jst.go.jp/other/jarchive2005list-e.pdf> and <http://www.journalarchive.jst.go.jp/other/jarchive2006list-e.pdf>, respectively). You can access the already digitized content at ([http://www.journalarchive.jst.go.jp/english/jnlist\\_en.php](http://www.journalarchive.jst.go.jp/english/jnlist_en.php))

For those supporting engineering programs, the **Failure Knowledge Database** (<http://shippai.jst.go.jp/en>) is of particular interest. It contains cases for accidents and failure cases studied in order to prevent further failures. Each case contains a failure diagram and a failure scenario with an abstract of the case. You can search by keywords, by categories (chemical, construction, mechanical, etc) or Failure Mandalas. The mandalas (for causes, actions and results) are circular figures with searchable index terms. For example, you can search for failures with difference in

culture as a cause, or malicious act as an action or bodily harm as a result. In addition to the standard analysis, 100 selected cases have been analyzed in great detail. These cases generally include frequently repeated mistakes that often ended in failure, and had significant societal effects. These 100 cases are very interesting reading; for example, the causes assigned to the Titanic sinking include misjudgment, narrow outlook, ignorance, insufficient knowledge, ignorance of procedure, insufficient communication, insufficient analysis or research, non-regular action, and poor response to change in environment.

Other English-language databases include: **J-EAST-- JST English Articles of Science and Technology**

<http://j-east.tokyo.jst.go.jp/>

J-EAST consists of bibliographic records (citations and abstracts) in English for the latest research in all fields of science, technology, and medicine in Japan. The database, which is updated monthly, covers about 3,000 journals and serials, conference proceedings, and technical reports.

**ReaD -- Directory Database of Research and Development Activities (ReaD)**

<http://read.jst.go.jp/EN/>

ReaDis designed to promote cooperation among industry, academia, and government. ReaD is the only Web site that collects and provides scientific information on research institutes, researchers, research projects, and research resources in Japan.

**JREC-IN – Japan Research Career Information Network**  
[http://jrecin.jst.go.jp/index\\_e.html](http://jrecin.jst.go.jp/index_e.html)

JREC-IN is an employment service for posting open positions and resumes for employers and those seeking employment. Not all positions require Japanese language skills so if you would like a research position in Japan, this is a useful source.

*Arigato JST!*



## IUPAC-NIST Solubilities Database

By Dana Roth\*

The IUPAC-NIST Solubilities Database (<http://srdata.nist.gov/solubility/>) is an online database containing nearly 70,000 solubility measurements, primarily liquid-liquid systems, derived from 18 volumes (1) of the IUPAC Solubility Data Series (<http://www.iupac.org/publications/sds/volumes.html>). Data is given for binary, ternary and quaternary systems. Typical solvents and solutes include water, sea water, heavy water, and inorganic and organic compounds. There are about 1800 chemical substances with literature references. A detailed description of the Solubility Data Project, presentation formats, evaluations, quantities & units, nomenclature, and definitions is given in the introduction.

A variety of approaches to searching are listed on the Database Search Menu.

1. The **Data Series IUPAC (Volume titles)** provides links to the volume contents which can be quickly scanned for systems of interest. For example:

- Volume 60. Halogenated Methanes with Water
- Volume 62. Carbon Dioxide in Water and Aqueous Electrolyte Solutions
- Volume 66. Ammonium Phosphates

2. **Solubility System Name** offers a 'pull-down' menu of system names in 'alphabetical' order.

3. **One Component System** (search) provides search boxes for either CASRN, Chemical Name (either exact or substring) or Molecular Formula (IUPAC for inorganics, Hill for organics) which retrieve systems with the component either as a solute or solvent.

4. **Two Component System** (search) offers combinations of:

- Two CAS Registry Numbers
- Two Chemical Names (either exact or substring)

Two Molecular Formulas

One CAS Registry Number and One Chemical Name (either exact or substring)

One CAS Registry Number and One Molecular Formula

One Chemical Name (either exact or substring) and One Molecular Formula

5. **Scientific Citation** offers author/year searching for literature references.

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1. The IUPAC-NIST Solubilities Database includes the following systems:

- Acetonitrile Binary Systems
- Ammonium Phosphates
- Carbon Dioxide in Water and Aqueous Electrolyte Solutions
- Ethene
- Halogenated Aliphatic Compounds C3-C14 with Water
- Halogenated Benzenes, Toluenes and Phenols with Water
- Halogenated Methanes, Ethanes and Ethenes with Water
- Hydrocarbons in Water and Seawater, Part I-II
- Metal and Ammonium Formate Systems
- Nitroalkanes with Water or Organic Solvents
- Polycyclic Aromatic Hydrocarbons: Binary Non-aqueous Systems
- Solubility of Gases in Glassy Polymers
- Ternary Alcohol-Hydrocarbon-Water Systems

\* Originally posted on STLQ, SciTech Library Question Blog (<http://stlq.info>)

## Chemistry Division Officers and Functionaries

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