

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

September, 2002
Vol. 40, No. 1

Calendar

Wednesday, Sept. 25, 2002	Dr. Susan Kegley at Miami University
Friday, October 25	Oesper Award at U. of Cincinnati
Wednesday, December 11	Dr. Harold Schueler at Xavier University
Thursday, Jan. 16, 2003	Dr. Steven D. Ittel at P&G HCRC
Wednesday, February 12	Dr. Paul Lahti at Vernon Manor
Wednesday, March 12	Cincinnati Chemist at Givaudan
Wednesday, April 9	Mr. Frederick Wallace at Northern Kentucky
Friday, May 16	Party Night! Robert Mondavi

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September Monthly Meeting

*The Food Quality Protection Act
and Pesticide Regulation:
Where are we now and where are we
headed?*

Dr. Susan E. Kegley

Abstract

The Federal Food Quality Protection Act (FQPA), passed unanimously by Congress in 1996, paved the way for a new system of registering pesticides based on protection of human health, with special attention to the most vulnerable population--children. The FQPA mandated a review of 9,000 existing tolerances (a tolerance is the acceptable residue of a single chemical on a particular crop) by 2006, and set US EPA to the task of developing the science necessary to: 1) understand and regulate endocrine-disrupting chemicals, and 2) develop the tools required to regulate pesticides with a common mechanism of toxicity. This talk will provide an update on EPA's progress in implementing the FQPA and a discussion of some of the issues, both scientific and political, which have arisen during the implementation process to date.

About the Speaker

Susan Kegley is a Staff Scientist with Pesticide Action Network North America (PANNA). She received her Ph.D. in Organic and Inorganic Chemistry from the University of North Carolina, Chapel Hill and was a Postdoctoral Research Associate in Organometallic Chemistry at both Colorado State University and the University of California, Berkeley. Before joining PANNA in 1998, Susan taught at Middlebury and Williams

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THE CINTACS NEWSLETTER**Vol. 40, No. 1 September, 2002**

Editor.....Bruce S. Ault
 Advertising.....Ed Hunter

CINTACS is published nine times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately September 3 for the October, 2002 issue. Electronic submission is strongly preferred, except for original photos. All materials should be sent to:

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 Roger Parker (12/31/03)

From the Chair

It is the beginning of a new year for the Cincinnati Section of the American Chemical Society. Let me begin by congratulating and thanking Hank Greeb, past Chair and newly elected Trustee, for a very successful 2001-2002. In addition, I would like to thank all of you who ran for the various offices of the Section and those who have agreed to be committee chairs. The difference between a strong section and a weak section is the quality and quantity of the chemists willing to participate. It is your participation that makes the Cincinnati Section one of the best.

As you can see from the meeting schedule, this year we have a diverse group of after-dinner speakers covering topics from polymer chemistry to forensic chemistry to art restoration. At the September meeting, we will have a talk by Dr. Susan Kegley who will discuss pesticide regulation as it relates to the food we eat. (Maybe not the best idea for an after-dinner speaker, but it should be interesting.)

As you can also see, we have three Board meetings scheduled, two workshops, and are in the process of organizing the discussion groups. If you are a discussion group chair, please let me know at which meeting(s) you would like to hold a discussion group so the appropriate room arrangements can be made.

If any one has an idea of activities for the Section or ways to improve the Section please do not hesitate to contact me. Thank you again for all you help.

Allan Pinhas

From the Immediate Past Chair

THANK YOU to all who, during 2001/2002,

- came to the meetings. We had several meetings with over 150 folks in attendance. This was a recent record - though Bruce Ault and others remind me that there were meetings in the past with over 250 attendees.
- served as committee chairs
- were officers with me.

This was a very rewarding year - we been selected finalists for four categories for the ChemLuminary Awards - let's hope we can announce at the September meeting that we won at least one of them.

One of the most startling item was an anonymous benefactor, who donated \$50,000 to the Section, for use in support of National Chemistry

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September Meeting

Wednesday, Sept. 25th, 2002

Shriver Center, Miami University, Oxford, OH

Dr. Susan E. Kegley, Guest Speaker

*The Food Quality Protection Act and Pesticide Regulation:
Where are we now and where are we headed?*

Time	Function	Location
6:00 PM	ACS Board Meeting	Bystrom Reed Room
6:00 -7:00 PM	Registration	Heritage Room
6:00 -7:00 PM	Social Hour	Heritage Room
	Hors d'oeuvres and beverages including soft drinks, assorted beers and wines.	
7:00 - 8:00 PM	Dinner	Heritage Room
	Menu: The buffet dinner includes carved roast beef, chicken parmesian, pasta with marinara sauce, glazed carrots, peas with pearl onions, twice baked potatoes, sherried mushrooms, tossed salad, fresh fruit, gourmet dinner rolls, garlic bread, black forest cake, assorted pies, and choice of beverages.	
	Cost: \$20.00 (retirees, students, K-12 teachers, 1/2 price)	
8:00 - 9:00 PM	Meeting and Featured Speaker	Heritage Room

Reservations: Send your reservations to Kim Carey at kim.carey@uc.edu, or call Kim at 513-556-0293 (email is strongly preferred). The deadline for reservations is 5:00 pm on Friday, September 20, 2002. Please indicate your name, affiliation, and state if you're in one of 1/2-price categories. As a reminder, if you decide you must miss a meeting after you have made reservations, please e-mail or call to cancel. If you do not cancel, the Section will have to charge you because it will have been charged.

Directions: The Shriver Center is located on the Miami University campus at the southwest corner of Patterson Avenue and Spring Street in Oxford Ohio. From Cincinnati take US27 north to Oxford (distance: 25 miles from the US 27 exit on I-275). Turn left at Spring Street (the first light in Oxford). The Shriver Center is on the southwest corner of US27 and Spring Street. Parking is available behind the Shriver Center. Additional parking space is available at Cook Field (50 yards north of Spring of US 27, on the right).

National Chemistry Week is Coming!

NCW is fast approaching - October 20th - 26th. An opening celebration at the Museum Center will kick off the week, beginning with a ribbon-cutting ceremony scheduled for 1:30 on Sunday, October 20th. Procter and Gamble's R&D manager, Dr. Barb Slatt, will be master of ceremonies. A proclamation from the Cincinnati mayor's office will officially declare the week National Chemistry Week in Cincinnati. The Cincinnati Section will join in the National ACS program "Chemistry Makes Cleaning Possible", a collection drive of personal hygiene products to benefit local food banks and charities. To encourage community participation, the section will sponsor a \$1-off coupon good for the Museum of Natural History and Science for the first 500 families that bring an item to the opening celebration. All items collected will be given to the United Way. Opening day will end with chemistry demonstrations in the Museum Center, highlighting this year's theme, "Chemistry Keeps Us Clean". The rest of the week will be full of demonstrations at local libraries and schools. Procter and Gamble's Analytical community will sponsor an evening with Professor Bassum Shakhshiri, well known for excellent demonstrations, on Tuesday evening (6:30), September 10, 2002, at the Sharonville Convention Center. Volunteer demonstrators and local teachers are encouraged to attend. Procter and Gamble and the National ACS will again sponsor the Cincinnati Enquirer's "News in Education" program, providing papers during the week to over 800 local schools that will have articles each day with interesting facts and projects for

(Continued on page 14)

2002 Oesper Award

The 2002 Ralph and Helen Oesper Award Banquet and Symposium will be held on Oct. 25 and 26, 2002. This year's honoree will be Professor Royce W. Murray, Kenan Professor of Chemistry at the University of North Carolina at Chapel Hill. The Oesper Banquet will be held on Friday, October 25, with featured After-Dinner Speaker Professor Richard N. Zare, Stanford University.



Royce Murray 2002
Oesper Awardee

The Oesper Symposium in honor of Professor Murray will be held on Saturday, October 26. Speakers include Prof. Robert Corn, University of Wisconsin-Madison, Prof. Norman Dovichi, University of Washington, Prof. Catherine Fenselau, University of Maryland Baltimore County, Prof. Raoul Kopelman, University of Michigan and Prof. R. Mark Wight-

man, University of North Carolina at Chapel Hill. Professor Murray will give his award address, "Monolayer Protected Metal Nanoparticles are Interesting Molecules" at the conclusion of the Symposium.

For further information please contact Kim Carey (513-556-0293; Kim.Carey@uc.edu) or visit our website at: www.che.uc.edu.

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Colleges, where she began doing environmental research on PCB-contaminated soils. She returned to UC Berkeley in 1992 and developed an Environmental Chemistry course focused on methods to evaluate environmental contamination, including pesticide residues on foods; heavy metals in soils, sediments, air, and biological tissues; and contaminants in surface waters. At Berkeley, she was also Project Director of the ModularChem Consortium, an NSF-funded project centered on the creation of a context-based undergraduate chemistry curriculum. At PANNA, Susan is co-director of PAN's Online Pesticide Database (<http://www.pesticideinfo.org>), a Web-based service that provides information on pesticide toxicity, regulatory status, ecotoxicity and pesticide use. Susan also works in collaboration with Californians for Pesticide Reform on issues related to pesticide use and policy in California.

(Continued from page 2)

Week, Project SEED, and the Chemistry Olympiad. Al Pinhas was the original contact, and I'm uncertain as to who the donor was, and what connection this person had with the section. Needless to say, we are very grateful for this donation. These funds were matched by National ACS, and are residing with them in a trust fund, from which we may draw 4% (initially \$4,000) per year, in perpetuity. Since the trust fund has grown at a rate of over 8% per year during its history, the amount we can expect to receive should increase year by year.

We must thank all the donors - private individuals and companies, who sponsored meetings this year. Please accept our heartfelt thanks, we'd not have nearly as good of a program without you.

The functions of the Section are very rewarding, both intellectually and professionally. We stimulate our own brains with interesting topics involving chemistry, we invite the general public to meetings of a more general nature, we stimulate the curiosity of, and instill the scientific method in, students of all ages with National Chemistry Week and the Chemistry Olympiad. We attempt to give back to the general public with technical advice to our legislators on a local, state, and national level.

But, most of all, this is fun! I really had a ball being chair - it was a delight to see the inner workings of

the section, to see our combined efforts come to fruition. Sure, we missed a few things along the way, but we accomplished a lot. (Please note the "we" - it was your work, your efforts, which made the difference. The chair can only organize, occasionally act as a catalyst and coach to encourage folks in their work. But the section is the combined efforts of all the members. Why don't YOU take part this year, and make Al Pinhas' tenure even better?)

This is my "final swan song". . . I'll continue to do my best as Trustee, and trust that you'll do your best in whatever role you choose to take in the coming years.

FLOYD L. JAMES, 1911-2001

Floyd L. James, 90 years old, professor emeritus of chemistry at Miami University (Oxford, OH), died Nov. 22, 2001.

Very few of our young section members will be familiar with Dr. James, or even heard his name. Yet he stood in a long line of chemists, chemical engineers, and scientists, giving generously of his time, expertise, and energy, to help build the Cincinnati Section to its present quality and status. He held most of the elective offices in the Section culminating in his chairmanship in 1966-7.

He received AB, MA, , and Ph.D. degrees in organic chemistry from Indiana University in 1931, 1932, and 1937, respectively. He then taught at Kokomo College, East Chicago's IU extension, and Ohio University (Athens, OH) before moving to Miami University in 1944, where he taught organic chemistry until his retirement in 1981. He spent four summers each at the Naval Research Laboratories in Washington D.C. and at the University of Cincinnati, as a visiting professor .

At Miami he directed the thesis work of 17 Masters candidates and helped a student group of chemistry majors obtain a charter as the Miami Student Affiliate Group of the ACS in 1947. He was the adviser for undergraduate chemistry majors from 1945

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to 1981 when he retired.

At the national level he was a member of the nomenclature committee of IUPAC and an officer in the Ohio Academy of Sciences .

The Cincinnati section sends its condolences to his wife and three children.

Noteworthy is the fact that Dr. James was a 64 year member of ACS. We thank him for his many contributions to chemistry, and especially to the Cincinnati Section of the American Chemical Society.

Ted J. Logan, Councilor

Distinguished Service Award

At the May meeting, Hank Greeb presented the Distinguished Service Award for 2002 to Bruce Ault from the University of Cincinnati. Ault has served the Section in many capacities over the years, include as Chair in 1991-92 and as Councilor from 1996 to present. In addition, he has served as editor of CINTACS since 1999 and will continue to do so again this year. Congratulations to Bruce for this recognition!

**Visit the
Section's Home Page
on the
World Wide Web:**

<http://www.che.uc.edu/acs>

Individual Sponsorship of Section Meetings

This past year we initiated a sponsorship program wherein Section members could financially support individual Section meetings. The first year was very successful, with four sponsors (Rick Fayter, George Rizzi, Bob Laughlin, and Ted Logan) coming forward, and for this reason we're going to repeat the opportunity in the 2002 - 2003 program year.

Sponsorship entails a financial obligation of \$1000. This money is used for items associated with the meeting, including speaker's travel and lodging, audio/visual, room rental, and Social Hour expenses. In many cases the sponsor can choose the meeting they wish to support.

What does the sponsor receive from this generosity? They will be recognized in CINTACS and at the sponsored meeting, and they will have the satisfaction of knowing that with their financial support, other funds will be turned loose to improve the number and quality of our activities and programs. Members with appreciated stock will find this an especially attractive program to support. For example, suppose that the original cost basis of the appreciated stock is \$10 and the stock is presently selling for \$100. Ten shares would therefore meet the \$1000 obligation and you would have a tax deduction of \$1000.

If you are in a 37 percent tax bracket this means you would have a deduction of \$1000 which will be worth \$370 on your taxes. If the original cost basis of the 10 shares was \$100, and you sold it outright, you'd be liable for capital tax at 20% on \$900, or \$180. So following this scenario you have given the Section \$1000, you would not pay any taxes on the stock's appreciated value, and you would have a substantial tax deduction to report. The Section now

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Analytical Laboratory Managers Association

“Bringing Your Analytical Laboratory to Success”**October 16 – October 18, 2002****Adams Mark Hotel****St. Louis, Missouri****Also Presenting Four Pre-Conference Workshops (Oct. 15 – 16):**

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For more information contact: 505-989-4683 or www.labmanagers.org**Why Attend the 2002 ALMA Conference****Did you know...**

- **That over 90% of the conference attendees felt the 2001 ALMA Conference provided information which was very useful to their jobs?**
- **That over 90% felt that the conference was a very good value with respect to the fee charged?**

ALMA participant comments:

- *“This was my first ALMA conference. I found it very rewarding and thought provoking. Thanks!”*
- *“The discussions and networking were of the most value for me. It is always good to see that most problems are common and to have a forum to discuss them openly.”*
- *“The speakers were excellent! I like the use of ‘outside’ speakers.”*

Benchmarking is the process of understanding what is important to the success of the analytical laboratory. The conference will help you assess processes in your laboratory and evaluate new ideas in terms of your needs. This requires deep self-assessment and the ability to adapt practices that work in another context into your own organization. It is the essence of creativity.

Benchmarking pinpoints different practices that need to be improved, such as workload management, customer service, quality level, employee management, cost control and budgeting, among others. The multitude of initiatives that may be implemented to accomplish best practices in the analytical laboratory include:

- Outsourcing - a strategic solution to improve quality of service and reduce costs; and
- Chemometrics - a tool that reduces and simplifies vast data information with subsequent detection of hidden relations that ultimately leads to solid decisions.

Analytical Laboratory Managers Association

Incorporation Vote

The tellers in the election this spring report that on the issue of incorporation of the Cincinnati Section of the American Chemical Society, 96% of the votes cast were in favor of incorporation, and 4% were opposed to incorporation. The steps in the incorporation process will now begin. The members of the Section will be updated as progress is made.

NKU Celebrates New Science Building

Members of the Cincinnati section are invited to help NKU celebrate the opening of its new science building on Friday, September 20. The \$38M building will house the departments of biology, chemistry, and physics/geology. Governor Paul Patton will dedicate the building at 11:30 a.m. The building will then be open all afternoon for visitors to see the new state-of-the-art classrooms, labs, and equipment. For further information and directions, call Bill Oliver at 859-572-5409.

YCC WELCOME BACK

The Younger Chemists Committee would like to welcome everyone back after our summer respite. We would like to thank outgoing chair Hank Greeb for his support last year. We are going to try to boost the number of younger people attending the monthly meetings. We will do this by working with members from local companies to identify the younger chemists at their facilities. We will also continue to arrange social events to discuss issues that are pertinent to chemists that are in the early stages of their careers. With increased attendance, the peer networking opportunities will continue to strengthen. For more information or suggestions please contact Ron Horwitz at 699-5877 or ron.horwitz@sovereignsc.com.

Chemical Educators' Discussion Group Begins New Year

We are having a LABFEST on Monday, September 23rd, at North College Hill High School. Here is how it will work. Bring handouts of your favorite lab activity and be prepared to demonstrate or walk the teachers through the procedure. We would like a good mix of experiments so you might consider sharing ones for different levels including basic, honors, and AP. The emphasis should be on practical, easy-to-set-up, inquiry-based activities that have a real life application and clearly teach a chemical principle. As hot as this summer has been, a lab on carbon dioxide levels may be very appropriate! Lisa Everingham is our host for the evening. Call Lisa at home (522-7504) to RSVP your participation and to request the equipment and/or chemicals needed for your activity. Lisa will facilitate your presentation in any reasonable way. You do not have to present to attend! Prepare to walk away with 4 to 6 activities that could spice up your curriculum for this brand new school year. And, as always, invite a new colleague to come along!

Directions to NCH: Take Cross County Highway to the Hamilton Avenue (US 127) exit and go south. Turn right onto West Galbraith Road and take an immediate right into the tiny parking lot in between the middle and high schools. Enter the double doors on your right. Go up the stairs to the top floor to room 205.

Linda Ford is chairing the group again this year. She still needs volunteers to host meetings. Please contact her at linda.ford@7hills.org. She also encourages teachers to apply for an ACS educational grant. Grant information will be distributed at the September meeting and appear in the October CINTACS.

Thinking ahead to next summer ... ChemEd 2003 will be held at Auburn University in Alabama. It is THE best conference for middle/high school chemistry educators and it is very affordable. Check the website at www.chemed.auburn.edu.

INTERNATIONAL MINI-SYMPOSIUM:***SAMPLING AND ANALYSIS OF
AIRBORNE INORGANICS***

Date: Friday, September 20, 2002 (9:00 AM – 4:00 PM)

Venue: CDC/NIOSH
Alice Hamilton Laboratory
5555 Ridge Avenue
Cincinnati, OH 45213

SPEAKERS & TOPICS:

Paul Baron, National Institute for Occupational Safety and Health, USA
Aspects of Aerosol Sampling (9:00 AM)

Dietmar Breuer, Institute for Occupational Safety, Germany
Monitoring Airborne Inorganic Acids (9:30 AM)

Martine Demange, Institut National de Recherche et de Sécurité, France
Performance of "Inhalable" Samplers (10:00 AM)

Alan Howe, Health and Safety Laboratory, United Kingdom
Metalworking Fluids; Hexavalent Chromium (10:30 AM)

Lunch (11:30 AM – 1:00 PM)

Olle Nygren, National Institute of Working Life, Sweden
Field-Portable Methods for Metals Monitoring (1:00 PM)

Mitsutoshi Takaya, Norihiko Kohyama, National Institute of Industrial Health, Japan
Airborne Mercury Monitoring (1:30 PM)

Tony Zimmer, National Institute for Occupational Safety and Health, USA
Metallurgical Aspects of Ultrafine Aerosols (2:00 PM)

Kevin Ashley, National Institute for Occupational Safety and Health, USA
Field Screening Methods (2:30 PM)

Open Discussion (3:00 – 4:00 PM)

*(Arranged by Dr. K. Ashley, CDC/NIOSH; tel. 513/841-4402; e-mail Kashley@cdc.gov)

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holds an asset worth \$1000, which it can sell, with no tax obligation.

You will see additional comments about this program in later issues of CINTACS, but this first notice is to get you thinking about sponsoring a meeting in this program year. Our goal is 5 sponsors. Sponsoring is good for you, the Section, and its programs and activities. The sponsors in the first year all agree that this is a worthwhile contribution.

If you are interested or have questions, call me at 513-385-8856.

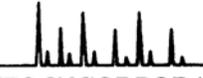
Ted J. Logan, Councilor
Cincinnati section, ACS

A patent study on a specific topic will not only provide knowledge related to that topic, but will also provide an introduction to the entities exercising patent rights in the same, or related fields. The United States Patent and Trademark Office provides a free website, <http://www.uspto.gov/patft/index.html>, which provides a plethora of searching options relating to full-text searching for 1976-current United States patents (as well as full-page images since 1790) and published patent applications from March 15, 2001-current. Patents and published patent applications encompass more than simply United States references. For example, the Japanese Patent Office also has a free website, <http://www.jpo.go.jp>, which provides English language translations of published Japanese patent applications and patents, along with English language keyword searching capabilities for each.

The Role of Patents in Research

There are several patent databases available on the Web that can provide a researcher with a wealth of knowledge on almost any given subject, with many of these databases being free. The policy behind the granting of a patent is the *quid pro quo* of full, detailed disclosure of an invention in exchange for the right to exclude others from practicing the invention for a limited duration. In carrying forth the obligation of providing a detailed disclosure to the public at large, the inventor provides a roadmap detailing how to practice the invention, and more importantly for researchers, what questions or problems are relieved by the invention.

Another free patent searching website, <http://gb.espacenet.com>, supports keyword searching, patent number searching and assignee information searching for various patents and patent applications published throughout the world. Cost required on-line technology searching companies as Dialog®, NERAC® and Lexis-Nexis®, also have extensive worldwide patent databases that provide more detailed searching capabilities. Using these on-line references may provide a better starting position for conducting any scientific research that may be required to achieve the desired result. As an added benefit, searching databases may also provide your company or research institution with knowledge of other “players” in the field, and the technologies these players are protecting or are attempting to protect.

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Acronyms, Initialisms and Abbreviations

Edlyn Simmons

Chair, Chemical Information Discussion Group

Multiple choice question: The meaning of LAS is:

- a. Laser Absorption Spectroscopy
- b. Linear Alkyl Benzene Sulfonate
- c. Light Absorption Sensitizer
- d. Longitudinal Axis of Symmetry
- e. McCarran International Airport, Las Vegas NV

The answer, as you've probably guessed, is "All of the above." Chemistry is replete with shorthand symbols for terms; so is every field from academia to zootechny.

There are three types of shorthand names – abbreviations, initialisms and acronyms. Acronyms are initialisms you can pronounce as a word: it's not uncommon for names to be chosen on the basis of the acronym that can be created from its initials. Most abbreviations are used in multiple fields. A reader needs to infer the meanings from their context. In many cases, however, context isn't enough. If you have a proper dictionary, you can look up the meanings of the abbreviated terms. Even better, you can find free resources on the Internet even if you don't have access to the dictionary.

The standard reference for scientific terms is *Scientific and Technical Acronyms, Symbols and Abbreviations* by Uwe Erb and Harald Keller, published in 2001 by John Wiley & Sons. It is available in print or online through the Wiley Inter-science website. A valuable feature of Wiley Inter-science is an acronym finder icon on the pages of all the books and journals on the site can pop up the definition of acronyms or other symbols on the page.

The Chemical Acronyms Database, <http://129.79.137.107/cfdocs/libchem/searchu.html>, was developed as a free service by the Indiana University Department of Chemistry. It is a growing repository of acronyms and their definitions, searchable by acronym or keyword. Terms are automatically left and right hand truncated, and users are invited to enter new acronyms. It is not clear from

the website whether the contributed acronyms are checked for accuracy before being added to the database.

The Acronyms and Abbreviations website, <http://www.chemie.fu-berlin.de/cgi-bin/acronym>, produced by the Free University, Berlin, (Institut für Chemie im Fachbereich Biologie, Chemie, Pharmazie der Freien Universität Berlin) is presented in both English and German. The Acronyms database allows you to search for an acronym, but not a keyword, and provides all the exact matches in the database as answers. Terms listed are biased toward chemistry and spectroscopy, but the database includes nonchemical acronyms as well. A separate search form allows you to search for abbreviations of chemical compound names. Chemical compounds names are sometimes provided in more than one form, including a linearized version of the chemical structure. The database has more than 12000 acronyms derived from various unstated sources. It is admittedly not complete, pointing out that most definitions are accurate, but some may be "garbage."

The Chemical Abstracts Service website, CAS Standard Abbreviations and Acronyms, <http://info.cas.org/ONLINE/standards.html>, contains the abbreviations used in Chemical Abstracts indexes and databases. The website is not a dictionary of acronyms in common use, but an aid to searching the CAS databases and to interpreting the abstracts you find in printed CA and records from CA databases.

All That JAS: Journal Abbreviation Sources, <http://www.public.iastate.edu/~CYBERSTACKS/JAS.htm>, is a website created by Gerry McKiernan of the Iowa State University Library. This site is an index to all of the websites that provide abbreviations used for scientific and technical journals by abstracting and indexing services and publishers. There is a collection of 14 different journal abbreviation websites for the field of chemistry alone, and additional links for other disciplines. The sites must be searched individually.

If you're not certain that the acronym you're looking for is a chemical term, you'll want to search a general acronym dictionary. The Acronym Finder, <http://www.acronymfinder.com/>, claims to be the

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Discovery Day

The Loveland Schools held a very extensive Discovery Day this past Spring, with a total of 54 different science and technology programs/activities organized for their students. These were very well received, and represent a significant step in the science literacy for these students. While space does not permit a description of all of the projects and presenters, Ms. Linda Sands is due special recognition for her efforts in organizing this major event. This program was covered by a reporter from Chemical and Engineering News and received an extensive write-up in the May 20th issue. Please see this article for more details.

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Visiting the Netherlands and representing his country at the International Chemistry Olympiad was a valuable and unique experience for Daniel. He reports, "As for the International Olympiad, I thought it was a unique opportunity to meet people my age from all over the world and learn about their cultures. While it was interest and skill in chemistry that brought us together, I found that there were still many other similarities among the students that helped everyone to have a great time."

Our heartiest congratulations to Daniel, and best wishes for the future!

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Internet's most comprehensive database of acronyms, abbreviations and initialisms, with 241,000, entries. You are not likely to find chemical terminology there, but it's an excellent place to find definitions of non-chemical acronyms.

Acknowledgments: Thanks to Dana Roth of Caltech, Gerry McKiernan of Iowa State, and Marilynn Dunker of P&G for bringing these sources to my attention.

Science and Technology at the Hamilton County Public Library

The Hamilton County Public Library has a Science and Technology Department which is now 100 years old. To celebrate its Centennial, the Department had set up a display which chronicled scientific development over the past 100 years in 10 year increments. The display was in the Main Library during the month of April. Some of the exhibits included the automobile, the radio, World War II's impact on scientific research, health, moon exploration, the environment, and patents. They were not able to include all fields of science during this particular exhibit. Tentative plans for a chemistry exhibit (with the help of our historian Dr. William Jensen) are in the works. We look forward to hearing about it.

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the children to learn from and enjoy. Thanks to Kathy Gibboney and her efforts with the Enquirer last year, our section has been nominated for a 2001 Phoenix Award for Most Effective Use of Public Relations/Media. Stayed tuned to the next CINTACS to find out if we won. NCW in Cincinnati will close back at the Museum Center on Saturday, October 26th with more demonstrations. Join in the fun – attend on the 20th, donate a product, and visit your local library on its program day. You can contact the section NCW chair, Gloria Story, at story.gm@pg.com.

Cincinnati Section Televised

Thanks to the continuing efforts of Gwen Baumann, Public Relations Chair of the Section, the April monthly meeting of the Cincinnati Section was taped, and then broadcast 6 times during the month of July. This was Educators' night, and the numerous students and three teachers who were recognized then got additional recognition in the community through these broadcasts.

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In July, Daniel Cissell represented the Cincinnati Section and the United States in the 34th International Chemistry Olympiad in Groningen, the Netherlands. Daniel, a recent graduate from Walnut Hills High School in the Cincinnati Public Schools, received a gold medal in the competition, against 225 students representing 57 countries at this prestigious competition. Daniel was selected as one of the 4 members of the U.S.A. team after a rigorous training and competition process, starting with the Oesper level II exam here in Cincinnati. The top 20 students in the country were invited to the Air Force Academy in Colorado Springs for additional training and competition, after which the team was selected.

Daniel, under the initial tutelage of Ms. Ellen Chow from Walnut Hills High School, is a National Merit Scholar and will attend the Massachusetts Institute of Technology in the fall. He is also an outstanding student in mathematics. He was the top participant on the Walnut Hills math team, and placed second in the State in the American Mathematics Contest (12th grade level). He also participated in Quiz Team, Science Bowl, JETS, and Boy Scouts during the past year. Daniel plans to major in chemistry at MIT.

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