

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

November, 2002

Vol. 40, No. 3

Calendar

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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from the Chair

Due to the timing of the Oesper Symposium and various holidays, there will be no Cincinnati Section meeting in November. However, since CINTACS is not only a meeting announcement but also a newsletter, Bruce Ault and I have decided to have a November CINTACS as a way to keep all Section members informed about what is happening.

At the September meeting, the Board approved the budget that may be found in this issue. In addition, because of the results of the recent election, the Section needed to replace an alternate councilor and an auditor. The Board voted to ask Bill Oliver from NKU to serve as Alternate Councilor (replacing Joel Shulman who was elected First Vice Chair) and Pat Slonecker from Cognis to serve as Auditor (replacing Phil McKittrick who was elected treasurer). Both have agreed to do so. Thus, all elected officer and committee chair positions are now filled. The Section's website has the names of the officers and committee chairs, with contact information.

Speaking of the web site, please check it out. Kim Carey has up-dated the picture(s) at the beginning and has included more current information. If you see other changes that need to be made, please send me that information.

Jim Hershberger from Miami is in charge of the Section's Award Committee. If you would like to nominate someone for Chemist of the Year, Research Associate of the Year, or for the Service Award, please see announcement else in this issue, and then contact Jim. He will need a letter of nomination and any supporting documentation.

Information about the December meeting will be in the next issue of CINTACS.

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THE CINTACS NEWSLETTER

Vol. 40, No. 3 November, 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 November 26 for the January, 2003 issue. Electronic submission is strongly preferred, except for original photos. All materials should be sent to:

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Ted Logan (12/31/05)
Bruce Ault (12/31/04)
Kathy Gibboney (12/31/04)
Roger Parker (12/31/03)

Individual Sponsorship of Section Meetings

In the September issue of CINTACS, I discussed the opening of the 2nd year of this program. I pointed out the solid commitment of these sponsors who step up to support the growth and improvement of Section programs through their generous contribution of \$1000 each. I also described the tax advantage of these contributions, especially for those members lucky enough to be holding appreciated stock.

Our goal for the 2002-2003 program is 5 individual sponsors and we already have one. Wherever possible, we will let the donor pick the specific meeting to be sponsored. Early contributors will have the best opportunity to specify their meeting.

In talking to members about this sponsorship program, the biggest misconception is the false impression that the pool of potential sponsors is limited to industrial members. This is very definitely not the case. **ACADEMIC MEMBERS**-Please consider this opportunity to support and improve our Section with your sponsorship.

I'll be talking to members on an individual basis and will remind members of this opportunity in future issues of CINTACS.

Please contact me with any questions.

Ted J. Logan, Councilor
Cincinnati Section
Chair, Individual and Industrial Sponsorship Programs
tjlogancin@aol.com

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Cincinnati Section ACS - Budget

	2002/2003 Proposed	2001/02 Actual
Expenses		
Tax Related - H&R Block	\$ 650.00	\$ 600.00
Chair-Elect Workshop	\$ 600.00	\$ -
Travel (Councilors)	\$ 8,000.00	\$ 4,533.36
Postage	\$ 3,000.00	\$ 2,625.00
Committees		
(Women Chemists)	\$ 1,000.00	\$ 56.45
(Education)	\$ 1,500.00	\$ 20.09
(Younger Chemists)	\$ 1,000.00	\$ 98.12
(Public Relations)	\$ 1,000.00	\$ 434.74
Bank Charges	\$ -	\$ 0.27
Office Supplies	\$ 50.00	\$ -
Chair Discretionary Fund	\$ 1,000.00	\$ 606.08
Subtotal	\$ 17,800.00	\$ 8,974.11
Discussion Groups	\$ 4,000.00	NA
Section Board Meetings	\$ 2,500.00	\$ 3,202.02
Speaker Expenses	\$ 3,000.00	\$ 825.51
Speaker Gifts	\$ 144.09	\$ 44.46
Short Course	\$ 10,000.00	\$ 15,593.80
Meals/Social Hour AV	\$ 20,000.00	\$ 21,413.46
Subtotal	\$ 39,644.09	\$ 41,079.25
Printing (Except Elections)	\$ 8,800.00	\$ 8,145.75
Mailing Labels	\$ 300.00	NA
Election Materials	\$ 1,250.00	\$ 1,211.30
Subtotal	\$ 10,350.00	\$ 9,357.05
Oesper Award	\$ 1,000.00	\$ 1,000.00
Oesper Plaque	\$ 100.00	\$ -
Project Seed	\$ 775.00	\$ -
H.S. Awards/Teacher Awards	\$ 1,100.00	\$ 1,083.00
Exam Costs & Awards	\$ 2,000.00	\$ 1,840.52
Cinti Chem./Tech. Plaques	\$ 100.00	\$ -
Fifty Year Award	\$ 100.00	\$ 108.44
Awards - Other	\$ 200.00	\$ -
Service Award	\$ 100.00	\$ -
Miami Organic Symposium	\$ 1,000.00	\$ -
Subtotal	\$ 6,475.00	\$ 4,131.96
National Chemistry Week	\$ 20,000.00	\$ 11,873.59
Subtotal	\$ -	\$ 11,873.59
Total Expenses	\$ 94,269.09	\$ 75,415.96

(Continued on page 14)

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Early Twentieth Century Research Available Online

Chemical Abstracts records from the early twentieth century will be linked to the ACS Journals Archive, permitting researchers to identify articles of interest in ACS journals back to the first issue of CA in 1907, then link to the full-text articles from ACS. The combined power of these two massive resources will boost their value for researchers, who have eagerly sought the enhancement.

In effect, two complementary ACS projects have been brought together to provide scientists the benefit of advanced information retrieval with the availability of a vast electronic collection of original journal literature. For more information, call 614-447-3731 or send email to help@cas.org.

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EDUCATIONAL GRANTS

The Cincinnati Section of the American Chemical Society has funds available for the purpose of improving chemical education in the geographic area served by the local section (OH: Adams, Brown, Butler, Clermont, Clinton, Hamilton, Highland and Warren counties; KY: Boone, Campbell, and Kenton counties; IN: Dearborn and Ohio counties). The Educational Grants Committee was established to make recommendations to the Cincinnati Section Board of Directors for the disbursement of these funds.

The committee hereby invites applications for these grants from all members (teachers, students, industrial chemists, etc.) of the chemical community in the service area of the section. Applications will be accepted and reviewed three times during the year according to the following schedule.

Review Month	Application Deadline	Notification Date
November	November 1, 2002	December 1, 2002
January	January 15, 2003	February 15, 2003
May	May 1, 2003	May 30, 2003

Grants will be awarded for such activities as attending educational workshops, participation in summer research programs, innovative education programs, instructional equipment, etc. Proposals, which incorporate the use of funds from other agencies or corporations, including the agency, or corporation, with which the applicant is affiliated, will be given preference in the selection process. Funds will generally not be awarded for the purchase of common supplies or chemicals. However, any application, which meets the basic criteria for which the fund was created, will be given serious consideration. Grants will be, in most cases, limited to \$1,500; exceptional proposals will be considered for larger amounts. No school or organization will be allowed to receive more than one (1) award per calendar year. Within one year from the time the grant is awarded, a report describing the use of the funds and the impact that the project had is expected to have on improving chemical education is to be forwarded to the committee chairperson.

For further information, please contact:

Linda Ford
Seven Hills School
5400 Red Bank Road
Cincinnati, Ohio 45227
Phone: 513-272-5360
FAX: 513-271-2471
E-mail: linda.ford@7hills.org

See the following page for the official application form for the educational grants.

The Cincinnati Section of The American Chemical Society
EDUCATIONAL GRANT APPLICATION

DATE: _____

Name: _____

Organization: _____

Department: _____

Address of Organization: _____

County: _____ State: _____ Zip Code: _____

Name and Title of Official Certifying Organizational Compliance with the Grant:

Signature _____

Name/Title (print or type) _____

ACS Member or Affiliate? _____

How many individuals will benefit from this grant if your proposal is funded? _____

Grant criteria: Funds are to be used to improve chemical education in the area served by the Cincinnati Section of the American Chemical Society.

Grant Proposal: The proposal should contain 300-500 words, double-spaced on official letterhead. It should describe the objective(s) of the project, how the project will be carried out, how the project would improve chemical education, how the program fits into the education program (if the applicant is from a school) and who would benefit. Also, the proposal should contain a detailed budget that outlines expenditures, the amount being requested from the Educational Grant and the amount being requested from other sources.

Send five (5) copies of the application and the proposal to:

Linda Ford
Seven Hills School
5400 Red Bank Road
Cincinnati, Ohio 45227

Phone: 513-272-5360
FAX: 513-271-2471
E-mail: linda.ford@7hills.org

Reports: Grant recipients are required to submit a report to the Committee within one year from the time of notification of the award. The report will include an outline of how the funds were used, what had been purchased, if anything, with the funds and what benefits have been derived thus far from the use of the funds.

Acknowledgment: It is requested that the major instruments purchased with the use of these funds be tagged with the following acknowledgment: "This equipment was purchased (in part) with an Educational Grant from the Cincinnati Section of the American Chemical Society."

Combinatorial Chemistry Conference

Plans are being finalized for a conference on new frontiers in combinatorial chemistry, to be held at the Marcum Conference Center on Friday evening, December 13 and all day Saturday, December 14. The conference begins with a banquet that evening followed by plenary lecture and mixer. The Saturday session will begin with a poster session (not restricted to combinatorial topics) followed by several speakers.

Speakers already planned:

Dave Portlock	Procter and Gamble
Ben Miller	University of Rochester
Hicham Fenniri	Purdue University
Arno Spatolo	University of Louisville

A formal announcement will be sent forth in about two weeks. For more information or to be sure you receive the announcement, contact Rich Taylor (taylorrt@muohio.edu).

Chemunity News Is Back!

The newsletter of the ACS Education and International Activities Division has returned — online. Educators and those interested in chemical education issues can now stay up-to-date with division activities through bimonthly editions of Chemunity News delivered via email. Learn about upcoming workshops, new publications, and the various education programs that are available for students, teachers, and institutions. The articles featured in the most recent issue of Chemunity News, sent just before the ACS national meeting in Boston, demonstrate the division's broad range of activities. These include:

- *Wonder & Explore*, a new multifaceted resource designed to help elementary teachers better understand physical science concepts and develop an inquiry-based teaching approach.

- *34th International Chemistry Olympiad* competition took place this summer in Groningen, The Netherlands, and once again the U.S. team placed well, bringing home two gold medals, a silver and a bronze.
- *Online Registry of Chemistry-Based Master's Programs*, a searchable online resource for students seeking information about master's programs in the chemical sciences.
- *Starting with Safety*, the popular ACS video course that has been adapted for delivery via the Internet.

If you would like to receive *Chemunity News*, contact education@acs.org.

Starting with Safety Now Available Online

The highly popular ACS Video Course, *Starting with Safety*, has been adapted for delivery via the Internet. The Internet version includes all of the materials from the original Video Course including the video scenes and the *Teacher's Guide*. As an added bonus, the complete ACS Video Course, *Seeing the Light—Eye and Face Protection*, is also included in this ACS Internet Course.

Now you and your students can access this valuable training program from any computer connected to the Internet at any time—day or night. (We do recommend a relatively high-speed connection, such as a DSL, cable modem or higher. And you will need to install the Flash 6 player to view the videos).

This program is designed to be used as part of a standard high school or introductory college chemistry curriculum that is taught by an experienced chemistry teacher. The program is NOT meant to be a stand-alone training course. Students should only use this program under the supervision of a qualified teacher.

For complete details about this program, visit the American Chemical Society website at <http://chemistry.org/elearning> and click on the link to *Starting with Safety*.

A Calendar of Events for Chemical Educators

Eleven teachers convened in Lisa Everingham's classroom at North College Hill High School on September 23rd for LABFEST. And it was a festival indeed! Here is a short summary of the shared activities. Laura Guenther (Talawanda HS) described her inquiry lab on rates of dissolving that has students making decisions on soft drink manufacturing. Mike Geyer (Deer Park) shared his inexpensive quantitative activity on hardness of water. Our host, Lisa, shared both her Pennies Inquiry and her Chemical Equations Challenge. Ed Escudero (Summit) did hands-on chemiluminescence. Linda Ford (Seven Hills) shared "The System", an activity that builds observational skills, and a procedure for measuring relative CO₂ Levels in gas samples. Bronwyn Nelson (Fairfield) and Paula Butler (Cincinnati Country Day) rounded out the evening with demo ideas and holiday activities. I hope by now you are thinking, "Aw, nuts! I wish I had made it to the meeting!" You have 3 more chances to enrich your classroom repertoire.

The Chemical Educators' Discussion Group will have three more meetings during the 2002-03 school year. Here is the lineup:

Monday, November 11: Calibrated Peer Review (CPR) at Seven Hills School

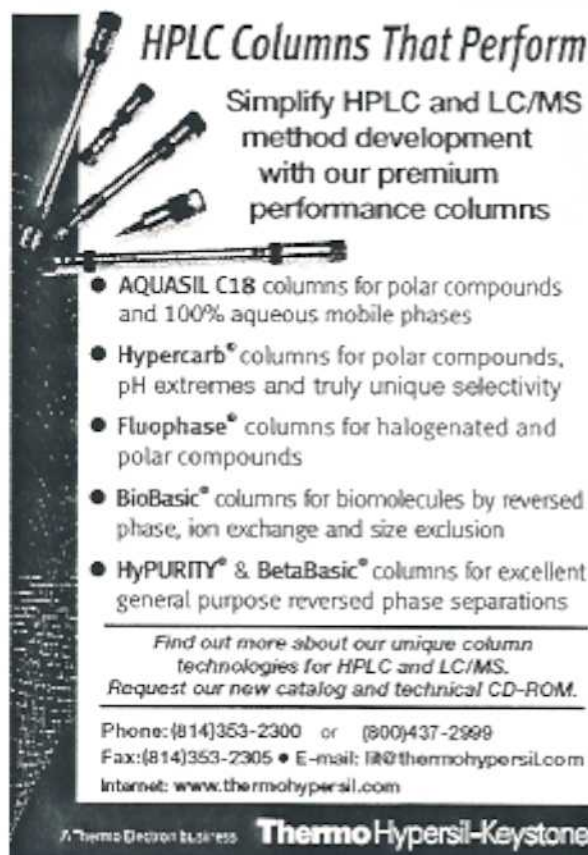
Learn how to improve your students' technical writing skills via this imaginative Internet-based activity. It is guaranteed to resuscitate your efforts in demanding clear and concise expression of scientific ideas from your students. Details of this meeting appeared in the October CINTACS.

Monday, February 24: The History of the Chemistry Set at the University of Cincinnati

Bill Jensen, chemistry historian, will take us on a delightful tour of the chemistry set collection. For the older teachers it will be a trip down memory lane. For younger teachers it will be a I-can't-believe-they-let-kids-have-that experience.

Monday, March 3: Instrumentation for the High School Laboratory at Raymond Walters College

Dick Barnes, analytical chemist, has invited us to his instrumental laboratory to explore analytical meth-



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ods applicable to the high school curriculum.

Please join us! Bring along a colleague! Questions and comments should be addressed to Linda Ford at lkford@fuse.net.

Here are directions to the November meeting at Seven Hills: From either direction on Interstate 71, take the Red Bank Road exit (between Ridge and Kenwood). This exit allows you to proceed only to the east. Travel to the first traffic light and turn right onto Duck Creek. As you proceed up the hill, you will travel only one city block distance and take a quick first right onto Old Red Bank Road. Travel a very short distance and you will see a large new building on the right side of the road. Turn into the first parking lot that you see just before the building itself. This lot is adjacent to tennis courts and a baseball field. As you look toward the building, you will see the lower level science rooms. Each room has an outside entrance. Linda's room (#110) will be well lit so that you can find the meeting easily. Light refreshments will be served.

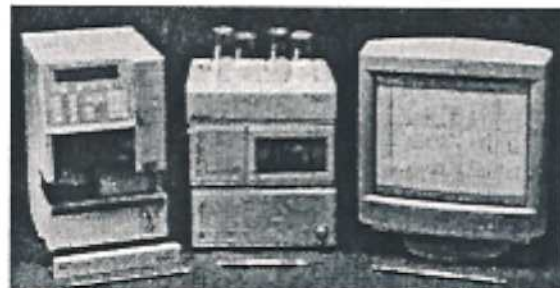
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2002-2003 ACS

ProSpectives Conferences

Small, focused conferences tailored for industry scientists who want to meet and hear from the field's foremost scientists, and to interact with peers.

Process Chemistry in Pharmaceutical Industry

Kumar Gadamasetti, X-MINE; Mike Martinelli, Eli Lilly

Condado Plaza Hotel
San Juan, Puerto Rico
February 2-5, 2003

Polymorphism in Crystals: Fundamentals, Prediction, and Industrial Practice

*Robin Rogers, The University of Alabama; Allan Myerson, Illinois Institute of Technology; Susan Reutzel-Edens, Eli Lilly; Roger J. Davey, UMIST Saddle Brook Resort
Tampa, Florida
February 23-26, 2003*

The state-of-the-art in the often misunderstood field of crystalline polymorphism will be presented by leading experts in polymorph characterization and prediction, with an emphasis on industrial applications and practice.

Catalysis in Modern Organic Synthesis

*Stephen Buchwald, MIT; Gregory Fu, MIT; Eric Jacobsen, Harvard
Cambridge Marriott
Cambridge, MA
March 2-5, 2003*

Catalytic methodologies for organic synthesis, with a special emphasis on technologies with applications in pharmaceutical science.

For additional information:

www.acsprospectives.org
1.800.227.5558; 202.872.6286

Award Nominations Solicited

Cincinnati Chemist of the Year

The Section Awards Committee requests nominations for the 2003 Cincinnati Chemist of the Year. This award, given annually since 1950, recognizes professional accomplishments of a member. The 2003 Chemist of the Year will be the featured speaker at the March meeting.

Deadline for nominations is December 11, 2002 (the date of the December meeting).

Cincinnati Research Assistant of the Year

The Section Awards Committee requests nominations for the 2003 Cincinnati Research Assistant/Chemical Technician of the Year. This award, given annually, recognizes job skills, safety, teamwork, leadership, publications and presentations, reliability, communications skills, and additional professional and community activities. A Chemical Technician/Research Assistant is defined as a person whose training includes successful completion of a two year post-high school chemistry curriculum or equivalent work in a Baccalaureate program, or equivalent knowledge gained by experience. The 2003 award will be presented at the March meeting. The winner will be the section's candidate for the National award.

Deadline for nominations is December 11, 2002 (the date of the December meeting).

Outstanding Teaching Awards

Do you know a teacher who inspires his/her students? Fills them with a curiosity about the world of science and chemistry? The Cincinnati Section of the American Chemical Society is looking for these people - and honors three each year.

The High School Chemistry Teacher of the year is awarded annually, to recognize accomplishments of those of us who teach chemistry at the secondary school level.

The Middle School/Junior High School Science Teacher of the Year is awarded annually to honor science teaching at this level.

The Elementary School Science Teacher of the Year is awarded for excellence in elementary teaching.

All three awards recognize teaching ability, enthusiasm, mentoring skills, and other leadership activities. Nominees need not be members of the American Chemical Society. Generally speaking, anyone teaching in these capacities within 35 mile radius of downtown Cincinnati is eligible. These awards will be given at the April Meeting.

Deadline for nominations is January 16, 2003 (at the meeting).

Nomination forms for each award may be requested from, and returned to:

Jim Hershberger
Department of Chemistry
Miami University
Oxford, OH 45056

Ph 513-529-2441
Fax 513-529-1675
Hershbjw@muohio.edu

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Income

Anonymous Donor	\$	3,100.00	
National Allotment	\$	12,000.00	\$ 12,083.00
Local Section Dues	\$	10,000.00	\$ 9,776.25
Local Affiliates	\$	50.00	\$ 30.00
Meeting Sponsors	\$	8,000.00	\$ 9,549.46
National Chemistry Week	\$	8,000.00	\$ 7,500.00
NCW - P&G Sponsor	\$	8,000.00	\$ 5,000.00
Travel Rebate for Coucilorors	\$	6,000.00	\$ 3,340.40
Advertising	\$	2,000.00	\$ 1,800.00
Short Course	\$	13,000.00	\$ 23,400.00
Meal Receipts	\$	9,500.00	\$ 9,872.34
Trustee's Allotment	\$	14,619.09	\$ -
Other (Wcc, cash collected at mtg.	\$	-	\$ 933.49
Subtotal	\$	94,269.09	\$ 83,284.94

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