

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

October, 2007
Vol. 45, No. 2

Meeting Calendar

Oct. 19-20	Oesper Award Banquet & Poster Session @ Univ. of Cincinnati
Dec. 11	M. Platz, Ohio State U. @ Xavier University
Jan. 16	Chemist of the Year @ Sharonville Conv. Ctr.
Feb. 20	H. Bungay, R.P.I. @ Museum Center
Mar. 19	Zymurgy (Beer Brewing) @ Great Wolf Lodge (Joint w. Dayton section)
Apr. 16	Awards Night @ Northern Kentucky U.
May (?)	Party Night: Reds Game & Banquet

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October Event: Oesper Award Banquet, Poster Session & Symposium at the University of Cincinnati October 19-20, 2007

**Great Hall, Tangeman University Center
University of Cincinnati**

*Sponsored by the University of Cincinnati,
Department of Chemistry*

The 2007 Oesper Banquet will be held on Friday evening, Oct. 19, and will feature Professor John Brauman from Stanford University as the after-dinner speaker. The annual Oesper Poster Session will also take place on Oct. 19.

The 2007 Oesper Symposium will be held on October 20, 2007 and will honor Professor James P. Collman of Stanford University as this year's Oesper Award winner. Professor Collman will speak on, "Steady-State 4-Electron Reduction of Oxygen by a Synthetic Analog of Cytochrome C Oxidase under Rate-Limiting Electron Flux."

Apart from Dr. Collman's award address, the symposium will also feature the following speakers:

Professor Kimoon Kim, Pohang University of Science & Technology

Dr. Matthew J. Holcombe, Nove Technologies, Inc.

Professor Christopher A. Reed, University of California, Riverside

Professor Barry K. Sharpless, Scripps Research Institute

More details on pages 3-5. Mark your calendars now!

THE CINTACS NEWSLETTER**Vol. 45, No. 2 October, 2007**

Editor.....Kevin Ashley
 Advertising.....Ed Hunter

CINTACS is published eight times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately November 10 for the December 2007 issue. Electronic submission is strongly preferred. All materials should be sent to:

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From the Chair

As always, October is a month with a broad range of activities within the Cincinnati section providing lots of opportunities for you to get involved:

- On October 2nd the Chemical Educators discussion group, chaired by Linda Ford, will have a "swap night" at Oak Hills High School to exchange new ideas, activities, lessons, and resources relevant to this educator group.

- On October 6th a "Science Café" will be held in Johnston Hall on the campus of Miami Middletown from 9:00-3:00. What's a Science Café? It's an opportunity to engage the public in conversations about science in an open, casual format. Science Cafés draw their inspiration from Café Scientifique based in the UK. The topic of this café will be scientific careers and features a plenary session with Bill Carroll who will discuss the topic, "The Evolving Chemical Enterprise: Where will we be in 2015?" Bill was the 2005 President of the ACS and some of you may recall his visit with us during party night that year. There will be break-out sessions where area scientists will informally discuss chemical careers with those in attendance: teachers, students, and other community members. Susan Hershberger provided the initiative for this Café and I hope many of you will participate to make this first Science Café session in the Cincinnati area a success.

- The local section will again help sponsor the 2007 Ralph and Helen Oesper Award Symposium which will honor James Collman of Stanford University, acknowledging his outstanding contributions to organometallic and bioinorganic chemistry. The event begins with a poster session and banquet on Friday, October 19 in the Tangeman Center at UC from 5:30-9:30. Prof. Collman will receive his award and John Brauman of Stanford will be the after-dinner speaker. The symposium begins in the Tangeman Center at 8:30 on Saturday morning with four invited speakers, followed by the award address by Prof. Collman at 3:45.

- National Chemistry Week will celebrate "The Many Faces of Chemistry" during the week of October 21-27. This year marks the 20th anniversary of National Chemistry Week and in recognition of this milestone the ACS has received congratulations in a letter from President Bush. Among the comments in the President's letter are the following: "I appreciate the students, teachers, and scientists participating in National Chemistry Week for your work to further our country's legacy of progress in the field of chemistry. Your efforts represent the best of the American spirit and help ensure that our nation continues to be at the forefront of science and technology." Victor Arredondo continues his strong leadership of NCW and the event will reach a great number of communities in the area via presentations at libraries, museums, and churches.

After a busy October, we will take a break in November and resume with the Xavier meeting on December 11 when Prof. Matt Platz of Ohio State will do double duty providing both the organic discussion group talk and the featured meeting talk.

- Finally, thanks to Dr. Frank Diehl, a retired P&Ger and 55 year member of the ACS, for his generous sponsorship of the September picnic.

-John Janusz

James Collman Receives 2007 Oesper Award



The Department of Chemistry at the University of Cincinnati, and the Cincinnati Section of the ACS will present the 2007 Oesper Award to Professor James Collman from Stanford University at the Oesper Banquet

and Symposium, October 19-20, 2007.

Professor James P. Collman is the George A. and Hilda M. Daubert Professor of Chemistry at Stanford University. He has made a lasting impact in numerous areas of chemistry, chiefly in organometallic and bioinorganic chemistry. He has won numerous national and international awards in both inorganic and organic chemistry, and has been a member of both the National Academy of Sciences and the American Academy of Arts and Sciences since 1975.

Professor Collman has published more than 340 scientific papers. His impact on chemistry will continue well into the future as he currently has more than forty former students and postdocs in academia, including *two* former postdocs who have gone on to win Nobel Prizes in Chemistry.

The title of Professor Collman's presentation is:

"Steady-State 4-Electron Reduction of Oxygen by a Synthetic Analog of Cytochrome C Oxidase under Rate-Limiting Electron Flux"

Oesper Poster Session and Banquet

2nd Announcement: Invitation to Participate in the Oesper Poster Session

The Department of Chemistry, University of Cincinnati and The American Chemical Society, Cincinnati Chapter, announce the 27th Ralph & Helen Oesper Banquet, Poster Session & Symposium. Professor James P. Collman, Stanford University, is this year's Oesper Award winner. The poster session and banquet will be held on October 19, with the symposium taking place on the 20th.

Abstracts are invited for the 27th Ralph and Helen Oesper Symposium Poster Session. The abstract should be single spaced and should include 100 words or less, not including references. Please send your abstracts to Heather Trenary at hrtrenary@gmail.com by October 5th. For more details about the symposium, banquet reservations, the poster session, model abstract, and other information, log on to: http://www.che.uc.edu/alumni_community/oesper/default3.html

Several researchers from Universities and Industries will participate in this two-day event, which provides a great opportunity for Industrial Researchers, Students and Faculty to exhibit their research to this vast network of professionals.

*Submit a poster and participate; let's build a
community of professionals, together!*

Visit the Cincinnati ACS website:

www.acscincinnati.org

**The Department of Chemistry
of the University of Cincinnati**

presents

**The 2007
Ralph and Helen Oesper Symposium**

honoring

James P. Collman
Stanford University

**Room 400-B, Tangeman University Center
University of Cincinnati
Saturday, October 20, 2006**

- 8:30 AM Continental Breakfast
- 9:00 - 9:15 Welcome and Introductory Remarks
Patrick Limbach, Head, UC Department of Chemistry
- 9:15 - 10:15 Professor Kimoon Kim, Pohang University of Science and Technology
- 10:20 - 11:20 Dr. Matthew J. Holcombe, Nove Technologies, Inc.
- Buffet lunch at the Faculty Club (11:30 - 1:00); \$10; \$5 for students
Reservations are required:
Please send an email to: bruce.ault@uc.edu
- 1:15 - 2:15 Professor Christopher A. Reed, University of California, Riverside
- 2:20 - 3:20 Professor Barry K. Sharpless, Scripps Research Institute
- 3:25 - 3:40 Afternoon break
- 3:45 - 4:45 Professor James P. Collman, Stanford University

For directions, see page 5 and campus map at:
<http://www.uc.edu/architect/documents/Logistics/logisticsbw.pdf>

The October Monthly Meeting, the Ralph and Helen Oesper Banquet, and Cincinnati Section Poster Session

Sponsored by the Department of Chemistry, University of Cincinnati

honoring
James P. Collman
Stanford University

Friday, October 19, 2007

Great Hall, Tangeman Center, University of Cincinnati
(see page 4 for info on Oesper Symposium Program on Saturday, Oct. 20)

Program:

- 5:30—6:50 PM Poster Session/Social Hour (NOTE: you do NOT have to attend the banquet to participate in the poster session). The poster session is open to anyone who wishes to participate. However, space is limited. Please register your poster early.
- 7:15—9:30 PM Oesper Award Banquet: dinner includes your choice of: 1) Grilled marinated portobello mushrooms with pesto angel hair primavera, 2) Chicken roulades with smoked mozzarella and Virginia ham, or 3) New York strip steak au Poivre. \$20 (1/2 price for emeritus, students, unemployed and new members).

Presentation of the 2007 Oesper Award to Professor James P. Collman

After-dinner speaker: Professor John Brauman, Stanford University

Reservations The meeting reservation form is online at <http://www.che.uc.edu/acs/cinacs.html>. This is the best and easiest way to register. As a last resort, you may send your reservations by e-mail to kim.carey@uc.edu. If it is impossible to make your reservation via the internet, call 513-556-0293; leave name, affiliation, a contact phone number, and state if you are in one of the half price categories. *The deadline for registration is Mon., Oct. 15.*

Directions From **I-75**, take the Hopple Street exit and turn east at the light. You will pass over the freeway. At the next light, go “straight” (straight here is actually about a 45 degree turn to the left). You are now on Martin Luther King Drive. Continue up King to the 4th traffic light. You will reach the first one quickly, the second one about ½ mile after that, the third (Clifton Ave.) after going up a long hill, and the 4th as you continue eastward with the campus on your right.

From **south on I-71**, get off at the Taft Street exit (exit 3). After the light at the end of the off-ramp, continue straight (west) on Taft for about 1.3 miles. At this time, Hughes High School is directly in front of you, and you must turn. Turn right onto Clifton Avenue. The University is now on your right side.

Park in either the Brodie Garage (under Langsam Library) or Woodside Drive Garage; access from Martin Luther King. See <http://www.uc.edu/architect/documents/Logistics/logisticsbw.pdf> for a campus map.

Executive and Auditing Committees, Cincinnati Section American Chemical Society, 2007-2008

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<i>2nd Vice Chair</i>	Davis, Craig Department of Chemistry Xavier University Cincinnati, OH 45207	513-745-2066 davisc@xavier.edu
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NEWS FROM THE ACS REGIONAL MEETINGS

Spring has gone and so has the first round of ACS Regional Meetings for 2007. The Middle Atlantic, Central, and Northwest meetings had a total attendance of 2,187 with 1,261 papers presented. Add another 290 attendees and 248 abstracts to the Northwest meeting, which was co-located with a regional AAAS meeting and shared programming with the ACS meeting.

The fall meetings promise to be just as riveting: advance registration is still open for most of the fall meetings. Visit their respective websites from the ACS regional meetings page, www.chemistry.org/meetings/regional for details on program, hotel reservations, and other information.

ACS Books has been following the symposia at ACS regional meetings and signed their first contract with a group from SERMACS 2006. A proposal has come in from this year's Central meeting, so the Regional Meeting Symposia Series is officially under way.

Sponsors for the 2007-2008 ACS Cincinnati Section Pro- gram Year

Here is the listing of the eight sponsors for the eight monthly Cincinnati ACS meetings in the 2007-2008 program year:

September: Frank Diehl
October: University of Cincinnati, Department of Chemistry
December: Xavier University, Department of Chemistry
January: Ted J. Logan
February: Givaudan Flavors
March: Advanced Testing Laboratory, Inc.
April: Procter & Gamble Company
May: Girindus America, Inc.

These companies, universities and individuals have recognized the importance of a strong Cincinnati Section program and have generously contributed money to help the section increase the value of its programs to all ACS members.

These donors will be recognized at their sponsored meeting and in the monthly meeting announcement in each of the next issues of the

CINTACS newsletter.

Ted J. Logan, Chair
Sponsorship Solicitations Committee
Cincinnati Section, ACS
Tel.: 513-385-8856
E-Mail: TJLOGANCIN@AOL.COM

September Picnic Meeting Sponsored by Frank Diehl

Frank Diehl, a 55-year member of the ACS, sponsored the 1st meeting of the 2007-2008 program year on Sept. 23. Because of printing and related deadlines we were unable to recognize the sponsor of this meeting until after the sponsorship had taken place.

The Section gives recognition to Frank with our thanks for his generosity in meeting this need. His name will appear with the other 2007-2008 sponsors in a listing to appear in each of the remaining issues of CINTACS. We hope to personally thank him at future Section meetings.

Ted J. Logan

Chair, Sponsorship Solicitations Committee



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“The Many Faces of Chemistry ”

**Celebrate October
21-27, 2007**



About National Chemistry Week (NCW)

National Chemistry Week (NCW) is a community-based program of the Office of Community Activities. This annual event unites ACS local section, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life.

The mission of National Chemistry Week is to reach the public, particularly elementary and secondary



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school children, with positive messages about chemistry:

- to make a positive change in the public's impression of chemistry;
- to promote a mechanism for effectively mobilizing ACS local sections; and
- to motivate the ACS membership through local section activities.

NCW Contacts:

**The Cincinnati ACS Section NCW
Chair is Victor M. Arredondo**
email: arredondo.vm@pg.com
tel. 513-626-0242.

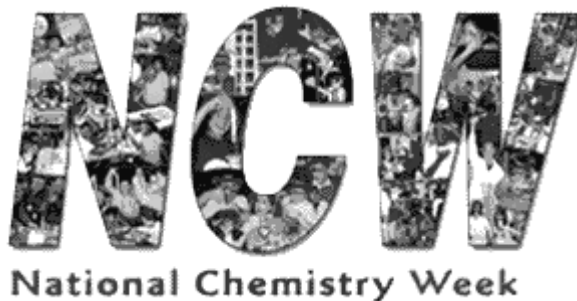
National Chemistry Week is administered by the ACS Office of Community Activities which is part of the Membership Division. The Committee on Community Activities serves as the advisory group for ACS Community Programs.

See the NCW website,

http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?DOC=new%5cncw_index.html ,

for more info on:

NCW Contests
Local/Regional Events and Activities
NCW Resources (e.g., for educators)
NCW Store
Related ACS programs
(etc.)





THE WHITE HOUSE
WASHINGTON

August 21, 2007

I send greetings to those observing the 20th annual National Chemistry Week, hosted by the American Chemical Society. Congratulations on reaching this milestone.

By harnessing the power of technology and science, chemists help transform the world and enhance the quality of life for people around the globe. National Chemistry Week is an opportunity for young innovators to learn more about this exciting field and recognize the importance of chemistry to their future. This year's theme, "The Many Faces of Chemistry," focuses on the numerous ways that chemical sciences impact our lives every day.

Our Nation's greatest asset is the brainpower of our citizens, and keeping America competitive requires a well-educated and skilled workforce. My Administration has increased funding for the American Competitiveness Initiative, which is working to improve education in science and math, investing in research and development, and encouraging technological advances. Through our combined efforts, we can motivate young Americans to become the next generation of pioneers in chemistry.

I appreciate the students, teachers, and scientists participating in National Chemistry Week for your work to further our country's legacy of progress in the field of chemistry. Your efforts represent the best of the American spirit and help ensure that our Nation continues to be at the forefront of science and technology.

Laura and I send our best wishes.

A handwritten signature in black ink, appearing to read "George W. Bush".

Report from Council 234th ACS National Meeting Boston, MA August 22, 2007

Election Results

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Committee on Committees beginning in 2008: Gary D. Anderson, Ken B. Anderson, Lawrence Barton, Lissa A. Dulany, Alan M. Ehrlich, Jurgen H. Exner, Roland F. Hirsch, Pamela D. Kistler, Larry K. Krannich, Will E. Lynch, Ean Warren, and Mark W. Wicholas. By written ballot the Council elected Ken B. Anderson, Lawrence Barton, Lissa A. Dulany, Larry K. Krannich, and Will E. Lynch for the 2008-2010 term; and Roland F. Hirsch for the remainder of a 2006-2008 term.

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Council Policy Committee beginning in 2008: Rita R. Boggs, Dwight W. Chasar, Joseph A. Heppert, William R. Oliver, Mary V. Orna, Dorothy J. Phillips, Yorke E. Rhodes, Kathleen M. Schulz, Peter J. Stang, and H. David Wohlers. By written ballot the Council elected Mary V. Orna, Dorothy J. Phillips, Yorke E. Rhodes, Kathleen M. Schulz for the 2008-2010 term; and Peter J. Stang for the remainder of a 2006-2008 term.

The Council Policy Committee presented to the Council the following slate of nominees for membership on the Committee on Nominations and Elections for the 2008-2010 term: V. Dean Adams, David E. Bergbreiter, Frank D. Blum, William H. Daly, Carol A. Duane, Ruth A. Hathaway, Cynthia K. McClure, Scott D. Rychnovsky, Arlyne M. Sarquis, and Pamela J. Shapiro. By written ballot the Council elected Frank D. Blum, Carol A. Duane, Ruth A. Hathaway, Arlene M. Sarquis and Pamela J. Shapiro.

Candidates for President-Elect and Board of Directors

The candidates for the fall 2007 ACS national election were announced as follows:

President-Elect 2008

Thomas H. Lane, Dow Corning Corporation, Midland, MI
Howard M. Peters, Peters, Verny, LLP, Palo Alto, CA

Director, District II 2008-2010

Joseph R. (Joe) Peterson, (Retired) University of Tennessee, Knoxville, TN
Diane Grob Schmidt, The Procter & Gamble Company, Cincinnati, OH

Petitions

(For Action)

The Council VOTED to accept the Petition on Local Section Affiliations. The petition addresses a difference in current Society bylaws regarding the responsibilities of the Committee on Local Section Activities (LSAC) and the Committee on Divisional Activities (DAC) in oversight of the establishment of affiliations by local sections and divisions respectively. Responsibilities for LSAC in approving local section affiliations will now parallel those currently established for DAC. To be valid, the petition next must be confirmed by the Board of Directors in 90 days.

(For Consideration)

The Council received three Petitions for consideration: Petition on Election Procedures for President-Elect and District Director, Petition on Local Section and Division Election Procedures, and the Petition on Membership Categories and Requirements. The Petition on Election Procedures for President-Elect and District Director seeks to move toward a preferential ballot, both to make the balloting procedure more uniform and to avoid the complications

(Continued next page)

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and expense of run-off elections. The Petition on Local Section and Division Election Procedures provides options other than run-off elections to local sections and division for resolving tie votes. The Petition on Membership Categories represents a comprehensive revision of the qualifications required for membership and for affiliate status in the Society. Action is expected on these three petitions at the 2008 spring national meeting.

Committee Review and Other Committee Changes

As part of a regular review, the Council VOTED to continue the Committee on Nomenclature, Terminology and Symbols. The Council also VOTED to support the request of the Committee on Chemists with Disabilities that its status be changed from an "other committee" of the Board to a joint Board-Council Committee.

The Council VOTED to amend the acronym of the Committee on Project SEED and update the committee's charge. The acronym will be changed from "Summer Educational Experience for the Disadvantaged" to "Summer Experiences for the Economically Disadvantaged."

Review of the Academic Professional Guidelines

The Committee on Economic and Professional Affairs submitted its latest version of the Academic Professional Guidelines for consideration. These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry. The Council will vote on the Academic Professional Guidelines at the 2008 spring meeting in New Orleans.

Reported by: Bruce Ault
Cuncilor
ACS Cincinnati Section

Chemical Educators SWAP Ideas!

The first meeting of the Chemical Educators' Discussion Group will be held in Paul Gansle's classroom at Oak Hills High School on October 2, 2007. It will be a "Swap Night". We will start with light refreshments and social time at 6:30 PM. Then we will take turns presenting a new activity, lesson plan, or resource. The evening will conclude at 9 PM. Linda Ford is chairing the group again this year. To contact her, send an e-mail to Linda.ford@7hills.org.

Martha Broz has volunteered to host the January meeting at Cincinnati State College. She will feature chemistry-related career paths offered at the college. Please contact Linda if you are interested in hosting the third meeting of the year and/or you want to suggest a program topic.

Directions to the October 'SWAP' meeting:

From Cincinnati: Take I-75 to I-74 west. Then take Exit No. 11 on I-74 and turn left on Harrison Ave.

From Indianapolis: I-275 west to I-74 east. Exit No. 11. Turn left on Rybolt Road and then immediately turn right to Harrison Avenue.

Right at the 5th light- Filview Circle (opposite Showcase Cinemas and Kroger). Right at first street- Hutchinson. Hutchinson Road will dead end at Ebenezer. Left on Ebenezer.

Oak Hills High School is located at 3200 Ebenezer Rd (approximately 1 mile on left). Proceed to south end of school and park in Red Lot. Look for open door to lab on south side of building.

<http://oakhills.k12.oh.us/ohhs/info.html>





September 2007

**THE CINCINNATI SECTION OF THE
AMERICAN CHEMICAL SOCIETY
THE 2007 NATIONAL CHEMISTRY WEEK:**

“THE MANY FACES OF CHEMISTRY” POSTER CONTEST

The local Cincinnati Section of the American Chemical Society is again sponsoring a chemistry poster contest. This year the contest is based on “**The Many Faces of Chemistry.**” The poster should be fun, motivational and inspire students to pursue a science/chemistry-related career.

For Example: Consider how science / chemistry is used by people in different careers.

Photographer: chemistry’s role in developing film and making prints

Artist: the chemistry of the materials used to paint, draw, or sculpt.

Veterinarian: understanding what medicines can be given to pets

Crime Scene Investigators: investigating crimes with chemical tests.

The art posters are to be submitted on paper that is 8 1/2 by 11 inches. The local ACS section will select one winner from each grade category listed below.

Winners of our local contest will then be invited to reproduce their winning entry on a larger poster board for the national contest if they choose to do so.

One Winner will be selected in each of the following categories:

K – 2nd grade	5th – 8th grade
3rd – 4th grade	9th – 12th grade

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Entry Guidelines

All entries must be original work without aid from others.

Posters must be 8.5 x 11 inches in size and on standard paper or art paper.

Entries on foam board will not be accepted.

Entries must be drawn using crayons, paint, colored pencils or markers.

Only one entry per student will be accepted.

All entries **must** have the following information included on the back of the poster:

student's name

grade

name of school

school address

teacher's name

school telephone number

teachers e-mail.

Posters must be postmarked by **Monday, October 22, 2007**.

ACS is not responsible for lost, damaged, or delayed postal shipments.

All posters become the property of the American Chemical Society.

Acceptance of winning constitutes consent to use winners' names, likenesses and entries for editorial, advertising and publicity purposes by the American Chemical Society.

Judging:

Participant entries will be evaluated on how well the message in the poster promotes chemistry related careers.

Four criteria will be used to determine the winner for each age group.

Artistic Merit (use of color, poster design and layout)

Poster Message (fun, motivational, and inspire students to pursue a career with emphasis on the chemistry in the career)

Originality (unique, clever, and/or creative design)

Neatness (free of spelling and grammatical errors and/or stray marks)

Winners of the Cincinnati Section of the ACS along with their teachers and parents will be honored as guests of our local section's dinner meeting in April of 2008 at Northern Kentucky University.

The Cincinnati Section ACS will submit the local winning poster in each of the four grade categories to the National ACS Office of Community Activities in Washington, DC. First and second place winners of the national contest will be announced on the national website and via email announcement after the week of November 5. Thus, if you are a winner in the local or the national ACS contest you will be notified. If you are not notified, then you did not win.

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National Winners will be awarded for first place: \$250.00

National second place winners will be awarded: \$150.00

Teachers of National Winning Students will be awarded a Periodic Table of the Elements Poster.

Educators: Please encourage your students to participate in this contest...it is FUN. You can find more information and ideas at chemistry.org/ncw.

Students may enter by sending their individual posters to:

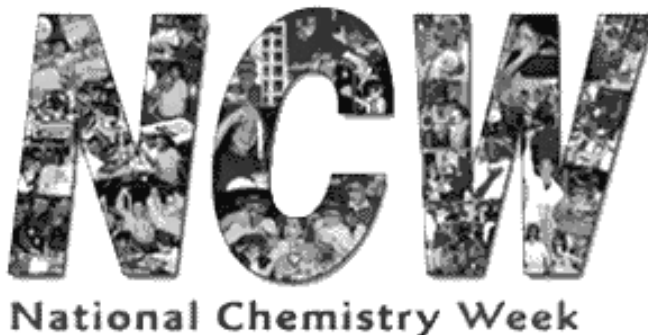
**Jamie Heimkreiter
Advanced Testing Laboratory
6954 Cornell Road, Suite 200
Cincinnati, OH 45242**

BUT WE ENCOURAGE CLASSROOMS TO COLLECT AND SEND ALL STUDENT ENTRIES IN ONE LARGE ENVELOPE TO THIS ADDRESS.

Please forward this contest information to your fellow teachers so their students can also be a part of this contest.

American Chemical Society
Cincinnati Section
Contest Committee

Deadline: October 22, 2007





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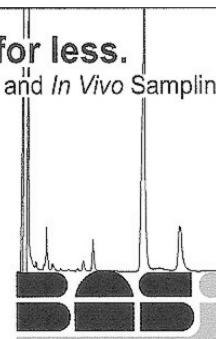
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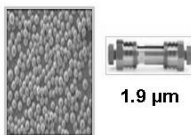


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