

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

October, 2011
Vol. 49 No. 2

Meeting Calendar

- Oct. 14 Oesper Award Events,
Charles P. Casey, University
of Wisconsin-Madison
@University of Cincinnati
- Oct. 16-22 National Chemistry Week
"Chemistry : Our Health,
Our Future"
- Dec. 8 Joint mtg. with NOBCChE,
@Xavier University. James
Mack, University of
Cincinnati
- Jan. @The College of
Mount St. Joseph, TBD
- Feb. Chemist of the Year
- Mar. TBD
- Apr. Education Awards Night
@NKU, John Warner,
Warner Babcock Institute
for Green Chemistry

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October Meeting

31st Oesper Award Banquet, Poster Session and Symposium at the University of Cincinnati

October 14, 2011

Tangeman University Center (TUC)
University of Cincinnati

*Sponsored by the University of Cincinnati
Department of Chemistry*

The Department of Chemistry at the University of Cincinnati, and the Cincinnati Section of the ACS will present the 2011 Oesper Award to Professor Emeritus Charles P. Casey from the University of Wisconsin-Madison at the Oesper Banquet and Symposium at UC, October 14, 2011.

Charles Casey is being recognized for his pioneering work on metal carbene complexes, mechanisms of organometallic reactions, developing an understanding of homogeneous catalysts, excellence in teaching, and services to the American Chemical Society.

THE CINTACS NEWSLETTER**Vol. 49, No. 2 October, 2011**Editor.....Adam Bange
Advertising.....Dan Esterline

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 September 12 for the October 2011 issue. Electronic submission is strongly preferred. All materials should be sent to:

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From the Chair

Greetings Section Members,

I hope things are going well in your professional and personal lives as the weather begins to change and we move into fall. A wonderful time was had by all this past Sunday at the Family Picnic. Those that attended were treated to an all-you-can-eat buffet of great food from Hammann's Catering, all-you-can-pop balloon animals from Goldie the Clown and a special chemistry magic show given by George Rizzi. For those that were unable to attend, check out pictures from the event at the section Facebook page and please make an effort to attend this event next year. More family fun gets added every year and the same trend is sure to continue in the future.

For the American Chemical Society, the field of Chemistry and more specifically, the Cincinnati Section, the month of October is always an exciting one. Coming up in just a few short weeks (perhaps days if you are reading the print version of the newsletter) is the Oesper Symposium and Banquet, a premier event that brings multiple nationally recognized scholars in the field of chemistry to the Cincinnati area. Held at the University of Cincinnati, this meeting will take place on Friday, October 14th, with a poster session beginning at 5:30 pm to be followed by dinner and a lecture by Dr. Clark Landis of the University of Wisconsin-Madison. His address, entitled *All Kinds of Bonding* is sure to entertain. While this year's Oesper award honors the achievements of Dr. Charles Casey in the field of organometallic chemistry, additional symposium speakers include: Rustem Ismagilov, University of Chicago; Clark Landis, University of Wisconsin-Madison; Melanie Sanford, University of Michigan; Jon Tunge, University of Kansas; Ross Widenhoefer, Duke University and Chae Yi, Marquette University. In addition to the outstanding speakers mentioned previously, this symposium offers the opportunity to meet the next generation of chemists in the Cincinnati area and learn about the research they are doing via the predominantly student poster session. This is a great opportunity for the section to welcome these students and demonstrate to them the benefits of ACS membership. Please take the opportunity to attend this event, as you will certainly not be disappointed.

(Continued on page 3)

(Continued from page 2)

Also coming up in October is National Chemistry Week. This year, it will run from October 16th to the 22nd. Jackie Thomas, Gloria Story and their assistants are busy at work preparing to do demonstrations at local libraries and museums. Additionally, the National ACS is running an illustrated poetry contest for area K-12 students. Past participants have done an outstanding job, with winners being recognized at the April meeting. Please encourage any teachers or students you may know to engage in this activity. For details on the poetry contest and a schedule of NCW events, check out the section website.

An organization like the ACS is nothing without the dedicated service of its volunteers. Two very special volunteers are being recognized in this issue, Susan Hershberger and Kevin Ashley. You can read about their commitment and service to the section. It is my pleasure to offer them my sincerest gratitude on behalf of the section, not only for their past service, but also for the things they are certain to do in the future. Following the example set by Susan and Kevin, we can never have enough volunteers. Please feel free to contact me if you want to get involved, or have any ideas on how the section can better serve your needs. Hope to see you at an upcoming meeting!

Rick Mullins
Chair
ACS Cincinnati Section
mullinsr@xavier.edu

**Nominations for Cincinnati
Chemist of the Year
And
Research Associate of the Year**

Recognize your colleagues and co-workers for their outstanding contributions to our field. Please submit a nomination for Cincinnati Chemist of the Year or Research Associate of the Year. The nomination deadline is **Monday, December 19, 2011**. The Chemist of the Year should hold a terminal degree and must be a member of the Cincinnati Section. Nomination requires two letters of recommendation and the nominee's CV. The Research Associate of the Year must be or have been a practitioner within the chemical discipline. ACS membership is not a requirement. Nomination requires a letter of recommendation. CV and additional documentation are optional, but appreciated.

Nomination materials should be sent to:

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1199 Edison Dr.
Cincinnati, OH 45216
Electronic submission is encouraged.
e:mail: phil.christenson@givaudan.com

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Local Section



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October Meeting: October 14, 2011

31st Oesper Award Banquet, Poster Session and Symposium at the University of Cincinnati

Tangeman University Center (TUC) University of Cincinnati

Sponsored by the University of Cincinnati Department of Chemistry

The Oesper Symposium will be held on October 14, 2011 and will feature the following speakers:

Rustem Ismagilov, California Institute of Technology
"Space, Complex Networks, and Microfluidic Tools"

Clark Landis, University of Wisconsin-Madison
"Enantioselective Hydroformylation: Mechanism and Application"

Melanie Sanford, University of Michigan
"Development and Application of New C-H Functionalization Reactions"

Jon Tunge, University of Kansas
"Synthesis via C-C 'Activation'"

Ross Widenhoefer, Duke University
"Synthetic and Mechanistic Aspects of Gold(I) π -Activation Catalysis"

Chae Yi, Marquette University
"Catalytic Coupling Reactions Involving Vinylic C-H Activation"

Charles Casey, University of Wisconsin-Madison
"Design Evolution Leading to the Discovery of an Efficient Iron Catalyst for the Chemoselective Hydrogenation of Aldehydes and Ketones" (Award Lecture)

Visit the Oesper website for more information and the Symposium schedule: http://www.artsci.uc.edu/chemistry/alumni_community/oesper/ or contact Kim Carey (513-556-0293; Kim.Carey@uc.edu)

Directions to Campus: http://www.uc.edu/visitors/directions_main.html

Map of Campus: http://www.uc.edu/content/dam/common/docs/maps/campus_map_west.pdf

Banquet price is \$30.00; emeritus, students, K-12 teachers, unemployed and first time members are ½ price. The banquet meal choices are chicken or vegetarian option.

The meeting reservation form is at <http://registration.acscincinnati.org/October/> this is the best and easiest way to register. As an alternative, you may send your reservations by email to Kim Carey at Kim.Carey@uc.edu. If absolutely impossible to make reservation by internet, telephone 513-556-0293. Deadline for reservations is 12:00 noon on October 5, 2011. Include your name, affiliation, dinner choice and state if you are in the ½ price category. If you decide you must miss a meeting after you have registered, please call to cancel. If you do not cancel, the Section will charge you because it will have been charged by the University.

Contact Kim Carey at 513-556-0293 for additional information.



Charles P. Casey
Homer B. Adkins Emeritus Professor
of Chemistry
University of Wisconsin-Madison
2011 Oesper Awardee

CHARLES P. CASEY is *Homer B. Adkins Emeritus Professor of Chemistry* at the University of Wisconsin-Madison. He received his Ph.D. from Massachusetts Institute of Technology in 1967 where he did graduate research with George M. Whitesides (2004 Oesper Awardee) on organocopper compounds. He then spent several months at Harvard University as an NSF Fellow in the laboratories of Paul D. Bartlett. In 1968, he joined the faculty at the University of Wisconsin-Madison where he spent his entire academic career. He was Department Chair at the University of Wisconsin-Madison from 1998-2001. He served as President of the American Chemical Society in 2004.

Professor Casey's research focuses on mechanistic organometallic chemistry. The mechanisms of important catalytic processes including hydroformylation, hydrogenation, and alkene polymerization have been explored. His recent work has been on new hydrogenation catalysts that operate by simultaneous delivery of a hydride and a proton to polar substrates. Earlier work involved metal-carbene—alkene complexes and their role in both cyclopropanation and olefin metathesis, chelating diphosphines with wide natural bite angles as effective ligands for highly regioselective hydroformylations, and heterobimetallic compounds. He is author of more than 300 papers in organometallic chemistry.

Casey is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and a Fellow of the American Association for the Advancement of Science. He received the Alumni Merit Award from St. Louis University in 1987, an Alexander von Humboldt Senior Award, a Fellowship from the Japan Society for the Promotion of Science, the Arthur C. Cope Scholar Award of the American Chemical Society in 1988, the American Chemical Society Award in Organometallic Chemistry in 1991, and the American Chemical Society Award for Distinguished Service in the Advancement of Inorganic Chemistry in 2011.

Visit the ACS Cincinnati Section On-line:

www.acscincinnati.org





Oesper Banquet Speaker

Professor Clark R. Landis

Department of Chemistry
University of Wisconsin-Madison
<http://www.chem.wisc.edu/~landis/landis.html>

Clark Landis is Professor of Inorganic and Organic chemistry at the University of Wisconsin-Madison (USA). Born in 1956, he received the B. S. degree in chemistry from the University of Illinois-Urbana and his PhD from the University of Chicago for his work with Jack Halpern on the mechanism of enantioselective hydrogenation. Clark's current research interests center on catalysis and include mechanisms of metal-catalyzed alkene polymerization and enantioselective hydroformylation, development of new NMR and mass spectrometric methods for meas-

urement of rapid kinetics, synthesis and applications of modular chiral diazaphospholane ligands, computational modeling of catalytic processes, bonding theory, and chemical education. With Frank Weinhold he is coauthor of two books, *Valency and Bonding* (Cambridge Press, 2005) and *Exploring Chemistry with NBOs* (Wiley, 2011). He was the recipient of the ACS Award in Organometallic Chemistry in 2010 and the University of Wisconsin Chancellor's Distinguished Teaching Award in 2005.

All Kinds of Bonding

Clark Landis, University of Wisconsin-Madison

Has the supercomputer dissolved the chemical bond? In an era where the fundamental properties of most molecules can be computed, one may question the value of Lewis structures, orbital shapes, and electron counting. Alternatively, one may propose that modern computations provide the opportunity to re-evaluate and extend the most basic concepts of chemistry: What is a bond? Do transition metals have an underlying Lewis-like structure? What is hypervalency? What is the nature of the metallic bond?

Bonds arise between chemicals and between chemists and among groups of chemists. Fundamental to chemical bonds are shared electrons, but what do people share? The roles of models, language, and humor in the bonding interactions of Chuck Casey will be explored.

Outstanding Service Awards 2011

At the May meeting, Chair Victor Arredondo recognized Susan Hershberger and Kevin Ashley for their outstanding service to the Cincinnati Section. Victor presented the award to Susan at the May meeting. Kevin was unable to attend the meeting, however he received the Award from Victor at the Cincinnati Section Board meeting in July.

Susan Hershberger

A long time member of the Cincinnati Section, Susan Hershberger has diligently and unselfishly served the section in multiple capacities over the years. More importantly, through her active participation in numerous activities, Susan has had a positive impact on the effectiveness and vitality of the Section. Her voice at meetings has encouraged the Section to pursue programs and events which benefit our local community. As a passionate educator, Susan has for many years played key roles in the Cincinnati Section's community outreach programs, such as, planning and presenting chemistry demonstrations at NCW and Earth Day and writing proposals/obtaining grants/organizing events such as Science Cafés. Susan has held several positions on the board of the Cincinnati Section, most recently serving as the Chair. During her chairmanship, the section had a very rich, active and fruitful program that culminated with the Cincinnati Section being recognized with a ChemLuminary Award for best Local Section in our category.

Susan is passionate about chemistry, about helping others in the section, and making the Cincinnati ACS Section the best it can be. This Outstanding Service Award is being given to Susan in recognition of her longstanding commitment and dedicated service to the Cincinnati Section of ACS.

Kevin Ashley

In the summer of 2007, Kevin Ashley accepted the challenge of being Editor of CINTACS, the section's monthly newsletter. The editor's job takes considerable time and effort and Kevin has been a dedicated and highly effective editor for the past four years. Kevin has consistently delivered an informative and well organized newsletter on time in both print and online format. All past chairs are keenly aware of the fact that getting the newsletter out on time has a big impact on meeting attendance. In addition to providing details about upcoming meetings, CINTACS, usually 15 – 20 pages in length, contains a variety of information of interest to ACS members including the meeting calendar, speaker bios, seminar abstracts, highlights of local events, such as National Chemistry Week, announcements relating to teacher, student and science fair awards, announcements of local ACS courses, advertisements and the list goes on. As one can imagine, collecting all the contributions from committee chairs and other members and putting it all together to provide an informative and high quality newsletter is no easy task. In addition, Kevin worked with the printer to get the newsletter printed on time and kept the bulk mail account with the Post Office running smoothly.

Through his dedication and hard work, Kevin has done an excellent job these past four years and is clearly highly deserving of the gratitude of the membership and recognition of the Cincinnati Section afforded by the Outstanding Service Award.

As a volunteer organization, the section depends upon the dedicated and conscientious service of its members in order to do make all the various programs and activities happen and happen in a manner that has earned the section numerous awards over the years. Thank you Susan and Kevin for your long term, outstanding service and support of the Cincinnati ACS Section!

Patent System Changes Related to the America Invents Act

The America Invents Act, which was just passed, is the largest change to the patent system since the 1952 patent law revision. While you have probably heard about some of the changes, there are a few that are likely to have the most significant impact on inventors and patent practitioners.

The first change is that the United States is adopting to a system which awards a patent to the first-inventor-to-file rather than the first to invent. There has always been good reason to file a patent application promptly, but now it is particularly important to get your patent application filed as soon as possible since delays present a risk that someone else could file first. While this brings the U.S. into conformity with the rest of the world, there is still one difference. There is a one year grace period for public disclosures by the inventor before filing a patent application; these disclosures will not count as prior art against the inventor.

The second change creates a defense to patent infringement based on prior use. Previously, if a manufacturer decided to keep a process a trade secret and a later inventor patented the same process; the inventor would have been able to prevent the earlier manufacturer from practicing the process. This presented a real dilemma to the trade secret holder as to the best way to protect the process. Under the new law, if the manufacturer has performed the patented process more than a year before the filing date or public disclosure date of the invention, they are entitled to continue using the patented process without infringing the patent.

The third change alters the existing post-grant review process and creates a new post-grant review of patents. Inter parties re-examination has been renamed inter partes review; which generally must now be started within nine months after the grant of the patent. The review is now a judicial proceeding before the Patent Trial and Appeal Board instead of an examiner; and the Patent Office must complete it within one year. In addition, the threshold for entering an inter partes review has been raised. The director must determine that there is a reasonable likelihood that the requester will prevail with respect to the

invalidity of at least one challenged claim. As before, the challenges must be based solely on patents or other publications; non-published information cannot be used.

A new post-grant review has been created that allows challenges based not just on patents and publications, but also on other factual evidence that could relate to invalidity of any claim. Like the inter partes review, the request for a post-grant review must be filed within nine months after the grant of the patent. The threshold for a post-grant review is that it is more likely than not that at least one claim is unpatentable. This review is also a judicial proceeding before the Patent Trial and Appeal Board. The hope is that these post-grant review proceedings will provide parties with a quicker and less expensive alternative to patent litigation. It will be important to monitor a competitor's issuing patents to determine if a post-grant review should be pursued before the nine month deadline.

Not only can third parties challenge granted patents, the fourth change allows third parties to submit patents or publications to an examiner for review during the prosecution of a patent application. This could prevent some patents from improperly being granted.

The fifth change allows an application to be filed by an assignee. This makes it easier for a company to file an application when an inventor is not available or refuses to sign the declaration.

The sixth change makes false marking suits much more difficult to win. There must now be a competitive injury shown, and expiration of a marked patent is no longer considered a violation. The hope is that this change will end the current spate of nuisance false marking suits.

The America Invents Act will simplify some aspects of patent law, but will also create new challenges and opportunities after a patent has been granted.

If you have questions or would like any further information, please contact Scott Conley, PhD, JD, at Frost Brown Todd (srconley@fbtlaw.com).

Report from Council at the Denver ACS National Meeting Bruce Ault, Kathy Gibboney, Bill Oliver and Roger Parker, Councilors

Election Results

Council elected the following individuals for membership on the **Committee on Committees**: Rigoberto Hernandez, Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters and Sara J. Risch for the 2012-2014 term.

Council elected the following individuals for membership on the **Council Policy Committee**: Lawrence Barton, Peter C. Jurs, Mamie W. Moy, and Eleanor D. Siebert for the 2012-2014 term.

Council elected the following individuals for membership on the **Committee on Nominations and Elections**: William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Anne T. O'Brien, and Andrea B. Twiss-Brooks for the 2012-2014 term.

Additional Council Actions:

The Council received one amendment (petition) to the ACS Constitution and Bylaws for action: The Petition on Position Statements. The Council VOTED to approve the Petition on Position Statements, which allows for clear and consistent position development for the Society. The petition assures that the Board of Directors has sole authority in issuing position statements that establish policy for the full Society; and that Society bodies other than the Board may issue statements on issues that fall solely in their jurisdiction so long as they do not impair other Society bodies' ability to do the same. The Board of Directors will vote within 90 days on whether to ratify the approved petition.

As part of a regular performance review, the Council voted to continue the joint Board-Council Committees on Community Activities and on Publications. Continuation of these two committees also requires Board of Directors concurrence.

The Council VOTED to grant full division status to the previously probationary Division of Catalysis Science and Technology, and to approve the proposed bylaws of this division.

After a lively discussion, the Council VOTED 53% - 47% to dissolve the Division of Petroleum Chemistry and to combine its assets and members with those of the Division of Fuel Chemistry under the new name of the Division of Energy and Fuels, effective December 31, 2011. The discussion centered largely around the name, rather than the merger.

Special Discussion Item

A special discussion item was put on the Council agenda for this meeting. ACS President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges. At the 2011 ACS national meeting in Anaheim, the Committee on Chemical Safety launched an effort to identify ways to assist academia in strengthening and building strong safety cultures. Devastating incidents in academic laboratories and observations by many that graduates do not have strong safety skills have elevated concerns about the safety culture in academia. Following Dr. Jackson's presentation, Councilors engaged in robust discussion on this very timely topic, with numerous suggestions by 42 different Councilors.

Finally, numerous reports were presented orally. The written versions of these reports will appear in Chemical and Engineering News within the next few months.

EDUCATIONAL GRANTS

The Cincinnati Section of the American Chemical Society has funds available for the purpose of improving K-12 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 Trustees 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 supporting K-12 chemical education in the service area of the section. Applications will be accepted and reviewed two times during the year according to the following schedule:

Review Month	Application Deadline	Notification Date
May	Last Monday in April	Last Friday in May
December	Last Monday in November	First Friday in January

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, may 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. A total of \$1,500 will be awarded during each grant period; exceptional proposals may win the entire amount, or the amount could be shared between several winning applications. Grants for K-12 educators to attend scientific or scientific educational conferences may usually limited to \$XXX (\$400 or \$500) and usually are only available to an educator every three years, with preference going to educators presenting papers. 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 on improving chemical education is expected to be forwarded to the committee chairperson, Ms. Gloria Story.

Colleges and Universities may apply in late December for one of four individual \$400 grants to be used to defray the cost of UNDERGRADUATE students to attend the Spring ACS National Meeting. The student for which the grant applies must be the first author and presenter. A copy of the accepted ACS abstract should be sent to Ms. Gloria Story via email. Normal submission of the abstract to the National ACS is sometime in November of the year preceding the spring meeting. If less than four institutions submit requests, an attempt to evenly distribute the grants between the remaining institutions is implemented.

For further information or an application, please visit the Cincinnati Section's website, <http://www.acscincinnati.org/acs/> or contact:

Gloria Story
The Procter and Gamble Co.
8700 Mason-Montgomery Rd.
Mason, OH 45040
Phone: 513-698-4912
E-mail: story.gm@pg.com

Chemical Educators' Discussion Group Autumn Meeting
Tuesday, November 1, at 6:30 PM
Sycamore High School Room 234

The chemistry teachers of Greater Cincinnati will have their first meeting of the academic year in Mike Geyer's classroom; Mike will lead the program beginning at 7 PM. He will introduce us to several new ways to use the Internet effectively in our teaching. We begin the evening at 6:30 PM with light refreshments, announcements, and social time. Feel free to bring new colleagues! Linda Ford, a chemistry teacher at Seven Hills School, is chairing the discussion group again this year. She encourages you to bring new colleagues to this meeting. Please send all questions and comments to Linda at Linda.Ford@7hills.org. Here is the program description:

The use of the internet to enhance both teaching and communicating within the chemistry classroom will be discussed and demonstrated. Through non-traditional types of web-based resources as well as some classic chemistry sites featuring interactives/resources, the topics of communicating with students, facilitating student to student communication, pre-lab enhancement, assessment, and visual aids and simulations will be explored. Teachers should bring their laptop/iPad with them so that they can try out some of the interactives.

Directions to Sycamore High School: The school is located at 7400 Cornell Road. Take I71 to 275 East. Exit at Montgomery Road. Travel north and take a left on Cornell. The school is on the right one mile after the turn. Mike suggests that you park on the west side of the building (closest to I-71). He will place signs to lead you to his classroom.

Cincinnati Section is on Facebook

The new Facebook page for the Cincinnati Section of the ACS is up and running. As mentioned in the previous issue, this site will be used for sharing accomplishments and networking amongst the membership. For example, you can check out pictures from the recent family picnic at the site. If you are already on Facebook, find the section page, "like" us and recommend us to your colleagues and friends. If you have something you would like to share (a recent publication, funded grant, promotion, birth, wedding, etc...), email the section chair, Rick Mullins, at mullinsr@xavier.edu and this page will be used to share these important happenings in the lives of section members. Additionally, you can follow us on Twitter for similar announcements (@Cincinnati_ACS). The section will continue to maintain the website (<http://www.acscincinnati.org>) for major announcements, including upcoming meetings.



National Chemistry Week October 16-22, 2011

Chemistry - Our Health, Our Future!

The Cincinnati Chapter of the American Chemical Society is hosting **FREE Chemistry Demonstrations** at the following locations!

**October 13**

3:00 pm Avondale Library
4:00 pm Cold Spring (KY) Library

October 15

10:00 am West Chester Library

October 16

2:00 pm Children's Learning Center

October 17

3:45 pm Oakley Library
4:00 pm Green Township Library
4:00 pm Mt Healthy Library
6:30 pm Monfort Heights Library
6:30 pm Pleasant Ridge Library

October 18

2:30 pm College Hill Library
4:00 pm Newport (KY) Library
6:00 pm Norwood Library
6:30 pm Forest Park Library
6:30 pm Mariemont Library
6:30 pm Convington (KY) Library

October 19

4:00 pm Wyoming Library
4:15 pm Independence (KY) Library

October 20

6:30 pm Mason Library
7:00 pm Erlanger (KY) Library

October 21

10 am – 5pm Museum Center

October 22

10 am – 5pm Museum Center
1:30 pm Madeira Library
2:00 pm Anderson Library
2:00 pm Greenhills Library
2:00 pm Walnut Hills Library
2:00 pm Springboro Library

October 24

6:30 pm West End Library

October 25

6:00 pm Brookville (IN) Library

October 27

6:00 pm Laurel (IN) Library

Recommended for Ages 6-12, but ALL are welcome.
For more information: www.acscincinnati.org/acs/



ACS
Chemistry for Life™

Younger Chemists Committee Revival

The Younger Chemists Committee of the Cincinnati Section of the ACS is being revived, with the first of the meetings to be held in mid-October/early November. Younger chemists and chemists new to their field will meet to socialize and talk about our favorite thing -- chemistry. Other topics are not, however, off the table -- particularly if they reference any comedy and/or obscure movie quotes. While some may put a rigid definition on what it means to be a "younger" chemist, we don't. Thus, if you are interested in attending, whether you are younger in age, or simply in spirit, please feel free to join us. Our first meeting will be a "Wing and Trivia Extravaganza." Details on time and location will follow on the Section's Facebook page and Twitter. In order to plan future events, it would be helpful if those that are interested could email the chair of the committee Vanessa Barnes (dpbarnes5806@yahoo.com) so that she can place you on an email list for direct communication. Furthermore, feel free to forward other ideas for fun future outings to Vanessa as well.

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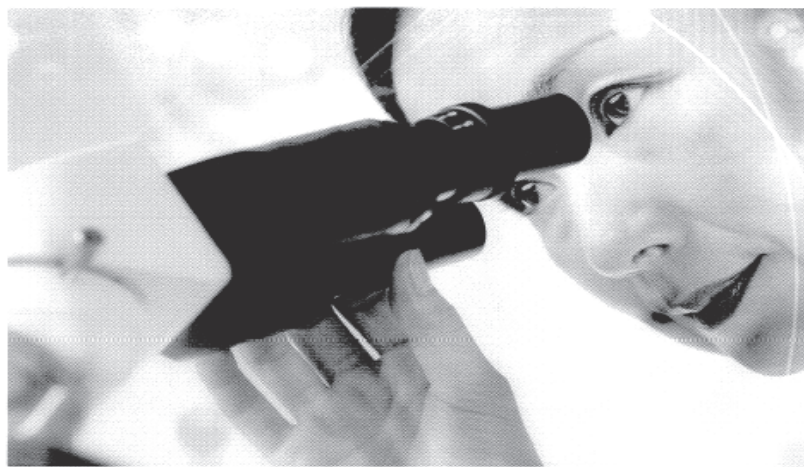
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