

# CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

October , 2014  
Vol. 52 No. 2

## Section Calendar

### Upcoming Events

Tues, Oct 7	YCC Event
Oct 19-25	National Chemistry Week, Local Libraries
Fri, Oct 24	Oesper Symposium, Univ Cincinnati
Oct 24-25	NCW Demos, Cinci Museum Center
Oct 29 - Nov 1	Central Regional Meeting, Pittsburgh,
Mar 22-26	Spring National ACS Meeting, Denver, CO

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## Oesper Symposium and Award Banquet

### University of Cincinnati

The University of Cincinnati Department of Chemistry and the Cincinnati Section of the American Chemical Society are pleased to announce the 2014 Oesper Award Winner, Isiah Manuel Warner (Louisiana State University). Registration and more information can be found at <http://www.acscincinnati.org/>.

The Oesper Symposium and Awards Banquet will be held on Friday, October 24, at the Tangeman University Center (TUC) at the University of Cincinnati.

Professor Warner will speak at 4 PM on "Moving Ionic Liquid Chemistry into the Solid Phase". A poster session and reception will follow from 5:30 - 7 PM. The ACS Banquet begins at 7 PM. The Oesper Award presentation will follow dinner, and a talk given by Sandra McGuire on "Isiah Warner's Amazing Journey from Bunkie to the Oesper Medal!" will end the evening.

The Symposium is open to the public, but reservations are required for the ACS Banquet. The deadline for registration is Friday, October 17 at noon.

A detailed map to the University of Cincinnati campus is available. Hourly rate parking can be found north of the Tangeman University Center at the Clifton Court Garage (321 Clifton Ct) and Woodside Garage (2913 Woodside Dr), or south of the Center at the CCM Garage (270 CCM Blvd).

**THE CINTACS NEWSLETTER****Vol. 52, No. 2 October 2014**

Editor.....Adam Bange

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 25 for the December 2014 issue. Electronic submission is strongly preferred. All materials should be sent to:

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**From The Chair**

We began the Cincinnati Section 2014-2015 year of meetings and events with our annual picnic at Germania Park on Sunday, September 21<sup>st</sup>. The weather was terrific and we had a good turnout. Thanks to everyone who attended and shared side dishes & desserts. [Also, across town, the Bengals won!]

October is a particularly exciting month for the Section. Upcoming this month, the Young Chemists Committee, chaired by Vanessa Frost-Barnes, will conduct an event on science communication on October 7<sup>th</sup>. Also this month, we will celebrate National Chemistry Week between October 19<sup>th</sup> & 25<sup>th</sup> with the theme, "The Sweet Side of Chemistry – Candy". Atiya Jordan-Brown and Hong Zhang are coordinating this year's NCW activities, and Jackie Thomas is handling fund-raising and sponsorships for NCW events. Additionally, Gloria Story and Diana McGill are helping to lead NCW volunteer efforts, demonstrations and related activities. Please look for more details on these and other events in this issue of CINTACS.

The Oesper Symposium and Banquet will take place on Friday, October 25<sup>th</sup> at the Tangeman Center at the University of Cincinnati. This year's Oesper awardee is Professor Isiah Warner of Louisiana State University, a leading analytical chemist and mentor of countless undergraduate and graduate students, postdocs and fellow junior colleagues. It is wonderful to see Professor Warner's outstanding career recognized by this well-deserved award. Please see the announcement in this issue of CINTACS for information on Oesper speakers, posters & etc.

Bruce Ault, Beth Reno and Diana McGill have been working hard to update our section's bylaws. The proposed (revised) bylaws were approved by the section's executive committee on Sept. 23<sup>rd</sup> and will soon be ready for dissemination for voting on by the section membership, so stay tuned.

After a brief hiatus in November, the Cincinnati Section will co-host, with NOBCCHE, the December meeting at the Conaton Board Room at Xavier University: On December 10<sup>th</sup>, Kristin Williams of Procter & Gamble will give a presentation on chemistry & engineering in industry. Thanks to Drs. Kemal Catalan (Chair of the NOBCCHE Cincinnati Chapter) and Diane Parry (P&G) for helping to arrange Kristin's presentation.

The Cincinnati Section will host the 2016 ACS Central Regional Meeting. Dan McGlothlin is serving as program chair, with help from Roger Parker, so please contact them for further information about this conference.

I wish to reiterate how thankful I am to the section members and leadership who do so much for our organization.

Kevin Ashley  
Chair, ACS Cincinnati Section  
[KAshley@cdc.gov](mailto:KAshley@cdc.gov)

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# 2014 Oesper Award Recipient

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## Isiah M. Warner

Louisiana State University

Professor Warner is an analytical chemist with more than 300 refereed publications in a variety of journals relevant to his general area of research. He has particular research expertise in the area of fluorescence spectroscopy, where his research has focused for more than 35 years. He is considered one of the world's experts in this analytical spectroscopy. For example, he is the corresponding author in the highly cited biannual reviews on "Molecular Fluorescence, Phosphorescence, and Chemiluminescence Spectrometry", for the journal, *Analytical Chemistry*. Over the past 20 years, he has also maintained a strong research effort in the areas of organized media and separation science.

Professor Warner has been performing research in the more specific area of analytical measurements using ionic liquids (ILs) for several years. It is this research on ionic liquids which has led to the recent conceptualization and implementation of a group of uniform materials based on organic salts (GUMBOS) as novel materials which can be exploited for a variety of applications. Novel nanoparticles (nanoGUMBOS) have been derived from these materials which can primarily be classified as frozen ILs. However, some GUMBOS are not ionic liquids since they do not fit the traditional definition of ILs. The utility of these materials is that they provide solid phase materials with the same tunability of ionic liquids. Several publications in key chemistry journals (e.g. JACS, Nano Letters, ACS Nano, Analytical Chemistry, Chemical Communications, and Langmuir) and pending patents have resulted from this area of research. In addition to his fundamental research, he has developed strategies to encourage undergraduate and graduate students (particularly from underrepresented groups) to go on to pursue terminal degrees in the STEM discipline. Through his fundamental and educational research, Professor Warner has produced 54 PhDs and 100s of undergraduates who have gone on to terminal degrees in various disciplines.

**Ralph & Helen Oesper Award Banquet & Poster Session**  
**Friday, October 24, 2014**  
**Great Hall, Tangeman University Center**



5:30 – 7:00 p.m.	Poster Session/Social
7:00 p.m.	Banquet
8:00 p.m.	Announcements & Award Presentation
8:15 p.m.	After Dinner Speaker, Saundra Y. McGuire, Louisiana State University “Isiah Warner’s Amazing Journey from Bunkie to the Oesper Medal!”

**Saundra Y. McGuire**  
*Louisiana State University*

**Saundra McGuire** is the Director Emerita of the Center for Academic Success and Retired Assistant Vice Chancellor and Professor of Chemistry at Louisiana State University. Prior to joining LSU in August 1999, she spent eleven years at Cornell University, where she received the coveted Clark Distinguished Teaching Award. She has presented keynote addresses or workshops on improving teaching and student learning at over 150 institutions in 39 states. In November 2007 the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM) was presented to her in a White House Oval Office Ceremony. In 2010, she was elected a Fellow of the American Chemical Society, and in 2011 she was elected a Fellow of the American Association for the Advancement of Science. She received her B.S. degree, magna cum laude, from Southern University in Baton Rouge, LA, her Master’s degree from Cornell University, and her Ph.D. from the University of Tennessee at Knoxville, where she received the Chancellor’s Citation for Exceptional Professional Promise. She is married to Dr. Stephen C. McGuire, professor of physics at Southern University. They are the parents of Dr. Carla McGuire Davis and Dr. Stephanie McGuire, and the grandparents of Joshua, Ruth, Daniel, and Joseph Davis.



**Isiah Warner’s Amazing Journey from Bunkie to the  
Oesper Medal!**

Professor Isiah Warner grew up in a small bayou town in central Louisiana, and has reached heights that were unimaginable to him as a boy. This talk will discuss the strategies he used to excel --- metacognition and mentoring, and will show how he has continued to use these tools to propel his students to heights that they could never have imagined.

## 2014 Oesper Schedule for Friday, October 24

9:00-9:10 a.m. Anna Gudmundsdottir, Head, Dept. of Chemistry  
Welcome and Introductory Remarks

**Session Chair:** *Bill Heineman*

9:10-9:45 a.m. Patrick A. Limbach, University of Cincinnati  
*"How to Keep Analytical Chemists From Drowning in Data: Building Selectivity into Biological Mass Spectrometry"*

9:45-10:10 Mary J. Wirth, Purdue University  
*"Obstructed Diffusion of Proteins in Nanoporous Media and the Implications for Separations"*

**Break (10:20-10:30 a.m.)**

**Session Chair:** *Peng Zhang*

10:30-11:05 a.m. Robert M. Strongin, Portland State University  
*"Fluorescent Dyes for Near Infrared Imaging and Selective Sensing of Biomolecules"*

11:05-11:30 a.m. Kermit K. Murray, Louisiana State University  
*"Atomic Force Microscopy Directed Laser Ablation Sampling for Mass Spectrometry"*

**Break for lunch (11:45-12:45 p.m.)**

Registration is Required (Space is limited)

**Session Chair:** *Tom Ridgway*

1:10-1:45 p.m. Susan V. Olesik, The Ohio State University  
*"Nanostructured Materials for Liquid Chromatographic Separations and Mass Spectrometric Analysis"*

1:45-2:10 p.m. Linda B. McGown, Rensselaer Polytechnic Institute  
*"Separation of ssDNA by Sequence"*

**Break (2:20-2:30 p.m.)**

**Session Chair:** *James Mack*      **Session Chair:** *James Mack*

2:30-3:05 p.m. Sharon L. Neal, University of Delaware  
*"Analysis of Photodegradation and Singlet Oxygen Formation of PAH Mixtures in Solvents that Simulate Cell Walls"*

3:05-3:40 p.m. Chieu D. Tran, Marquette University  
*"Polysaccharide Supramolecular Composite Materials: Recyclable Synthesis and Applications"*

**Break (3:40-4:00 p.m.)**

**Introduction of Oesper Awardee:** *Pat Limbach*

4:00 p.m. Isiah M. Warner, Louisiana State University  
*"Moving Ionic Liquid Chemistry into the Solid Phase"*

5:30-7 p.m. Poster Session & Reception (see **Call for Submissions**)

7-8 p.m. ACS Banquet (**Reservations** are required)

8 p.m. **Award Presentation, Announcements & After-dinner Speaker**

Saundra Y. McGuire, Louisiana State University  
*"Isiah Warner's Amazing Journey from Bunkie to the Oesper Medal!"*

### **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 Friday, December 19.

The Chemist of Year should hold a terminal degree and must be a member of the Cincinnati section of the ACS. A 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, but ACS membership is not a requirement. A nomination requires a letter of recommendation; CV and additional documentation are optional, but appreciated.

Electronic submission is greatly preferred. Nomination materials should be sent to:

Mike Weaver  
[weaver.mr@pg.com](mailto:weaver.mr@pg.com)  
P&G Mason Business Center  
8700 S Mason-Montgomery Rd  
Mason, OH 45040

#### **Mark Your Calendar for the Next Younger Chemist Committee Event**



Planning is underway for the next Younger Chemist Committee event on Tuesday, October 7, at 7 PM. Learn techniques to make your science come alive to scientists and nonscientists in interviews, presentations, and networks. The ACS Program in a Box webcast session titled "Speaking Simply: Communicating Your Science" features Douglas Dollemore and Darcy Gentleman from the ACS Office of Public Affairs. Location to be announced. Contact [Vanessa Frost Barnes](mailto:Vfrostbarnes@markes.com) ( [Vfrostbarnes@markes.com](mailto:Vfrostbarnes@markes.com)) for more information.

**The Awards Committee of the upcoming 2015 Joint Great Lakes/Central Regional Meeting of the ACS seeks nominations from the Great Lakes and Central Regions for the following:**

**The E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society**

Purpose: To recognize the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their regional activities.

**The ACS Regional Award for Excellence in High School Teaching**

Sponsor: Division of Chemical Education

Purpose: To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the ACS Regions.

**The Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences**

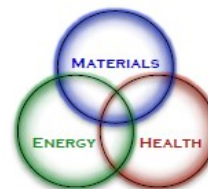
Sponsor: ACS Committee on Minority Affairs

Purpose: The Stanley C. Israel Regional Award recognizes individuals and/or institutions who have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region.

For additional information about each award, and to submit nominations, please visit the Meeting website at [www.jglcrm2015.com](http://www.jglcrm2015.com) and click on the “Awards” tab. Don't delay! The deadline to submit nominations is Monday, December 15, 2014!



# 2014 ACS Central Regional Meeting



WWW.ACSCERM2014.ORG



THE 45<sup>TH</sup> CENTRAL REGIONAL MEETING

OCT. 29 – NOV. 1, 2014

DOUBLETREE BY HILTON  
PITTSBURGH - GREEN TREE

## CENTRAL REGIONAL AWARDS DINNER

Thursday, October 30, 2014

6:00 PM

The North/South Ballroom ♦ \$40/Person

Cash Bar: 5:00 PM

Dinner: 6:00 PM

Awards: 7:00 PM

OPEN TO ALL (meeting registration is not required to attend this event) ... but you do need to register for this dinner using the CERM 2014 Registration Form.

Please select one of the following Entrees:

Chicken Florentine



Salmon



Pasta Primavera



FOR MORE INFORMATION CONTACT:

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