Pittsburgh Section Travel Grant Recipient Andrew Pingitore
ACS National Conference - Dallas, TX

This past week comprised many "firsts" for me; my first time on an airplane, the first time I have ever been south of the Carolinas, but the biggest first was being at a national conference full of individuals who enjoy the same realms of the scientific world as me and being able to present research that I have done in an intellectual environment.

I was a part of the Undergraduate Symposium in a poster session. A poster session is where a group of presenters hang their posters in one room and people may walk around to each person presenting and ask questions about their research. I have been involved in many poster sessions throughout my undergraduate career, but none of this magnitude. There were many presenters, but there were also a fair share of curious minds that would stop to chat. It was a change of pace to talk to others who knew and understood what my research was about. The conversations were sometimes very informative for myself as some would have suggestions for my future work. It was safe to say that I was a little nervous at first to present my work but I am very glad that I had the opportunity to do so. Being able to talk to a vast group of chemists about research that I have done and am interested in doing was an experience like no other.

It was an amazing sight to walk into the Dallas, TX convention center and see that the entire facility was filled with chemists; that the entire convention center was booked for this event. There were so many things that one could do, it was extremely difficult to decide where I wanted to go. It might have taken me longer to decide what talks to see than actually sitting through talks. The speaker that had intrigued me the most, surprisingly, did not talk much about chemistry but more so on her time being the scientific advisor for the show "Breaking Bad." The gist of the show is that the main character, Walter White, is a high school chemistry teacher who in lieu of a chronic sickness attempts to provide financial stability for his family by "cooking meth." Donna Nelson's, the scientific advisor, job was to sift through the scripts and scenes to make sure the science behind every-

Continued on Page 2
Annual Awards Dinner
Wednesday, May 7, 2014

Co-Sponsored by
THE SOCIETY FOR ANALYTICAL CHEMISTS OF PITTSBURGH

and
THE PITTSBURGH SECTION, AMERICAN CHEMICAL SOCIETY

Duquesne University
Power Center Ballroom

Social Hour – 5:30 P.M.
Dinner – 6:30 P.M.

Entrée: Chicken Piccata

Cost of Dinner for members and/or guest - $15.00 per person.
Each member may bring one guest.

Dinner reservations: Please contact Valarie Daugherty, SACP Administrative Assistant at 412-825-3220 ext 204 to make your dinner reservation. Deadline date is Monday, April 28, 2014. If you have any dietary restriction, please note when you make your reservation.

Parking: For parking, please use the Duquesne University Parking Garage on Forbes Avenue. Please bring your parking ticket to the registration desk for a parking validation sticker.

Travel Grant Recipient
Andrew Pingatore Continued from Page 1

thing was accurate, from his lectures in class to his rants about chemistry to his partner in crime. This was a volunteer position as well, which made this talk even more inspiring. The reason she chose to do this was to bring accurate chemistry into the homes of many Americans. This is a very intuitive means to expand the field of chemistry into the next generation. There were many more speakers at the conference that I could easily talk about just the same, but that would make for a very long article to read.

All in all, I am very lucky to have obtained the opportunity to experience the American Chemical Society’s National Conference in Dallas, Texas. I would like to thank the ACS Pittsburgh Division for helping in funding my trip expenses to go the conference. It would not have been possible without it.

Text CHEM to 313131 for a link to FAQs. Message and data rate may apply.
The price spread between natural gas and crude oil has widened significantly as a result of technological innovations in shale drilling. We now have a decent shot at cutting the cost of energy in this country in half during the current decade.

Attend this meeting to learn how...

1. Supported by low prices and plentiful supplies, natural gas markets will grow substantially, including power generation, over-the-road trucking, and Liquefied Natural Gas (LNG) exports.

2. An inventory of shut-in wells will likely assure low prices for years to come.

3. Petrochemicals will continue to expand with emphasis on downstream products.

4. Liquefied Petroleum Gas (LPG) exports will continue to increase with the U.S. playing a key role.

Ronald H. Muhlenkamp is founder and president of Muhlenkamp & Company, Inc., established in 1977 to manage private accounts for individuals and institutions. In 1988, Muhlenkamp & Company launched a no-load mutual fund as an investment vehicle for all investors, large or small. An award-winning investment manager, frequent guest of the media, and featured speaker at investment shows nationwide, Mr. Muhlenkamp’s entire business career has been devoted to the professional management of investment portfolios.

For reservations, please contact Elliott Bergman at elliott.acstechnology@gmail.com by 1:00 on May 12. Walk-ins are welcome. Our meetings are open to all. Cash or check payable to: Energy Tech Pgh Section ACS.

The cost of the dinner is $20 including tax and gratuity. Alcoholic drinks cost extra. Please specify your preference from the following menu choices: Spaghetti with meatballs, 15-layer lasagna, Four-cheese manicotti, Fettuccini Alfredo, Pesto Pasta, or Grilled chicken Caesar salad. Please indicate special needs such as vegetarian, gluten-free, etc.
Call for Nominations
Pittsburgh Section of the ACS Pittsburgh Award

The Pittsburgh Award was established in 1932 by the Pittsburgh Section of ACS to recognize outstanding leadership in chemical affairs in the local and larger professional community. This Award symbolizes the honor and appreciation accorded to those who have rendered distinguished service to the field of chemistry. The Award consists of a plaque presented annually at a section dinner. Members of the Pittsburgh Section, or in exceptional cases, nonmembers, who have done work worthy of recognition toward increasing chemical knowledge, promoting the chemical industry, benefiting humanity, or advancing the Pittsburgh Section, are eligible for consideration.

The Distinguished Service Award

The Distinguished Service Award was established in 2007 by the Pittsburgh Section of the ACS to expand and replace the predecessor Chairman’s Award of the section. Both recognize outstanding volunteer service to the Section. The Award, consisting of a plaque, is presented annually at a Section dinner, which is open to the public. Members of the Pittsburgh Section, past or present, who have provided outstanding service in advancing the Pittsburgh Section, are eligible for consideration.

* 

Nominations for both awards are solicited from the membership of the Pittsburgh Section. Please complete the fillable form with your contact information, the nominee’s contact information, any supporting letters, and the nominee’s CV or summary of their accomplishments. The nominations form as well as more information about the awards, including information on past winners can be found on the ACS website: http://www.pittsburghacs.org/awards/pittsburgh-award/

* 

Please send all nominations to Pittsburgh Section Chair-Elect, Mackenzie Speer, mackenzie.speer@reaxis.com, by September 5, 2014. For more information about the nomination process, contact Mackenzie at 814-316-5757.
The 45th Central Regional Meeting
Oct. 29 – Nov. 1, 2014
Doubletree by Hilton
Pittsburgh - Green Tree

Plenary Speakers
Bradley D. Smith, Ph.D.
University of Notre Dame
Wednesday 10/29

Vicki H. Wysocki, Ph.D.
The Ohio State University
Thursday 10/30

Sara E. Skrabalak, Ph.D.
Indiana University Bloomington
Friday 10/31

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Special Events:
• Vendor Exposition
• Pittsburgh Award
• Distinguished Service Award
• High School Teaching Awards
• Former Chairman Dinner
• Women Chemists Committee Luncheon
• Younger Chemists Committee Luncheon
• Student Affiliates Luncheon
• Sci-Mix Poster Session
• Leadership Institute
• Career Workshop
• Student Affiliate Workshop
• Teacher Training Workshop
• And More ...

For More Information Contact:
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General Co-Chair
jpauses@pitt.edu
Heather Juzwa
General Co-Chair
hjuzwa@shimadzu.com

For Program Information:
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Michelle Ward
Program Co-Chair
muscat@pitt.edu

For Exposition Information:
Eli Absey
Exposition Co-Chair
eli_absey@waters.com
Brian Strohmeier
Exposition Co-Chair
brian.strohmeier@thermofisher.com
### REGISTRATION FEES

<table>
<thead>
<tr>
<th>Event</th>
<th>ADVANCE Until October 3</th>
<th>ONSITE After October 3</th>
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</thead>
<tbody>
<tr>
<td>01. ACS Member</td>
<td>$125</td>
<td>$175</td>
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<tr>
<td>02. Nonmember</td>
<td>$200</td>
<td>$250</td>
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<tr>
<td>03. Graduate Student/Post-Doc</td>
<td>$50</td>
<td>$65</td>
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<tr>
<td>04. Undergraduate Student</td>
<td>$35</td>
<td>$50</td>
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<tr>
<td>05. High School Teacher*</td>
<td>$60</td>
<td>$75</td>
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<td>06. Retired/Emeritus</td>
<td>$25</td>
<td>$40</td>
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<tr>
<td>07. Unemployed</td>
<td>No Charge</td>
<td>No Charge</td>
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<tr>
<td>08. 50+ Year ACS Member</td>
<td>No Charge</td>
<td>No Charge</td>
</tr>
<tr>
<td>09. High School or Project Seed Student</td>
<td>No Charge</td>
<td>No Charge</td>
</tr>
<tr>
<td>10. Guest</td>
<td>$25</td>
<td>$40</td>
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</tbody>
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- Registration must be accompanied by payment in order to be processed.
- Request for refunds must be submitted in writing prior to October 3rd in order to receive a refund minus the $25 administrative fee.
- Questions can be directed to ACS Regional Meetings at 1-800-333-9511 or by contacting Lauren Stewart via email at l_stewart@acs.org.
- Please contact Lauren Stewart to advise of any dietary or physical restrictions at l_stewart@acs.org.
- *High School Teacher registration fee includes one Project Seed Luncheon Celebration ticket.
- **Receive a 20% refund off payment for the Rum Science Event on Wednesday and/or Friday just for staying at the Double Tree Green Tree. Refunds will be issued after conference and upon verification of reservation.
- Conference Registration is not required to attend this event.

### SOCIAL EVENTS

- **YCC Luncheon**
  - Wednesday, October 29
  - 12:00 PM – 1:20 PM
  - Price: $15.00
- **Welcome Reception – Wine, Wii and *Wiches**
  - Wednesday, October 29
  - 7:00 PM – 9:00 PM
  - Price: $12.00
- **Rum Science – Pittsburgh Style**
  - Wednesday, October 29
  - 7:30 PM – 9:15 PM
  - Price: $45.00 (Includes transportation)
- **WCC Luncheon**
  - Thursday, October 30
  - 11:40 AM – 12:50 PM
  - Price: $25.00
- **Central Regional Awards Reception & Dinner**
  - Thursday, October 30
  - Cash Bar: 5:00 PM
  - Dinner: 6:00 PM
  - Awards: 7:00 PM
  - Price: $40.00
- **Undergraduate Network and Resume Luncheon**
  - Friday, October 31
  - 11:30 AM – 12:50 PM
  - Price: $10.00
- **Ice Cream Social with ACS Governance**
  - Friday, October 31
  - 2:00 PM – 3:00 PM
  - Complimentary
- **Rum Science – Pittsburgh Style and a View**
  - Friday, October 31
  - 5:30 PM – 10:20 PM
  - Price: $55.00 (Includes transportation)
- **Project SEED Celebration Luncheon**
  - Saturday, November 1
  - 11:30 AM – 1:30 PM
  - Price: $20.00

### WORKSHOPS

- **ACS Career Workshop: Finding Your Pathway**
  - Wednesday, October 29
  - 8:00 AM – 12:00 PM
  - Complimentary
- **ACS Career Workshop: Individual Resume Reviews**
  - Wednesday, October 29
  - 1:30 PM – 5:00 PM
  - Appointments will be scheduled.
- **ACS Leadership Institute: Fostering Innovation***
  - Thursday, October 30
  - 8:00 AM – 12:00 PM
  - Members: $150 Non-Members: $300
- **ACS Leadership Institute: Leading Change***
  - Thursday, October 30
  - 1:00 PM – 5:00 PM
  - Members: $150 Non-Members: $300

### TOTAL FEES

- Registration $ _______
- Social Events and Workshops $ _______
- TOTAL AMOUNT ENCLOSED $ _______

- Method of Payment: **American Express**
- **Master Card**
- **Visa**
- **Check**
- Cardholder Name (please print): 
- Signature: 

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**TOTAL FEES:**社会事件和活动 $ _______

**TOTAL AMOUNT ENCLOSED:** $ _______

**方法支付：**
- 美国运通
- **万事达卡**
- **Visa**
- **支票**
- 持卡人姓名（请填写）：
- 签名：

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1. Finding Your Pathway - Learn about the four main career pathways available to chemical professionals: Higher education, industry, government, and entrepreneurial careers and why each one may or may not be the right choice for you. This workshop is not only ideal for graduate students and recent grads, but also experienced professionals who are considering a career change. In addition to learning about which types of careers are available in each pathway, you’ll also learn about the job market and hiring trends to help you make your choice. The workshop allows time for you to inventory your own values, interests, background, strengths and weaknesses so that you can select which career pathway you’d like to explore in detail. This course is being offered on Wednesday, October 29th from 8:00 AM – 12:00 PM

2. Fostering Innovation *** - We are constantly challenged to come up with new ideas, approaches, and solutions, yet most of us feel ill-equipped to do this effectively. With a systematic and proven process to generate ideas you can lead your team to develop new ideas. Gain the understanding and tools to tap into your own innovation style and stimulate innovative thinking among your team members. This course is being offered on Thursday, October 30th from 8:00 AM – 12:00 PM

3. Leading Change *** - Change is a constant today, yet it is often met with resistance. Leading change—whether it is a change in priorities, direction, or people—is critical to your success as a leader in your profession. This course provides leaders with a step-wise process to lead change and guide committee members, division members, and local section members more effectively through the change process for greater results and efficiency. This course is being offered on Thursday, October 30th from 1:00 PM – 5:00 PM

***You MUST go to www.acs.org/professionaladvancement to register and pay in order to reserve your seat for any of the ACS Leadership Courses being offered. The first nine people to register for any one of the Leadership Courses are complimentary and the next eleven registrants will receive a 50% discount.

SPECIAL EVENTS AND ATTRACTIONS

Rum Science – Pittsburgh Style, Wednesday, October 29th
Learn a little rum science the old-fashioned way – through a tasty sampling of rum and a tour of Pittsburgh’s only rum distillery in the city’s Historic Strip District! You’ll also learn the story behind Maggie’s Farm Rum Distillery. Transportation to Maggie’s leaves from the DoubleTree at 7:30 pm with tasting and a tour from 8-9 pm. Round-trip transportation for this event is included in the ticket price.

Rum Science – Pittsburgh Style and a View, Friday, October 31st
Take a taste and a ride as the science lesson includes Maggie’s Farm Rum Distillery, a tour & tasting and then a ride up the historic Duquesne Incline where you will get a behind-the-scenes tour of the incline and discover the science of funiculars! Transportation to Maggie’s leaves the DoubleTree at 5:30 pm with the tasting starting at 6 pm. Afterwards, you will be transported to the incline for a tour beginning at 7:20 pm. The view of downtown from the top of Mount Washington is one of the most beautiful in the city! After the tour, there will be free time to dine in Station Square before bus transportation back to the DoubleTree at 10 pm. All transportation for this event is included in the ticket price.

CERM 2014 registrants and guests will receive a 20% discount on the ‘Burgh, Bits and Bites Pittsburgh Food Tour, Saturday, November 1st. Transportation is NOT included. While you’re here, come learn Pittsburgh history by sampling the ethnic foods that represent the many immigrants that came over and worked in the steel mills. Gain some insight while eating your way through a neighborhood and discover its history! Tours begin at either 10 am or 1:30 pm. For more information about Burgh, Bits and Bites check out their website http://burghfoodtour.com/. See the CERM website, www.acscerm2014.org, under ‘Events’ for more information on how to get your 20% discount!

CERM 2014 registrants and guests will receive a 20% discount on the Carrie Blast Furnace Tour, Saturday, November 1st. Transportation is NOT included. Learn about Pittsburgh history as the former steelmaking capital of the world. The Carrie Blast Furnace tour is a two-hour retired steelworker guided tour of the only blast furnace left in Pittsburgh. Towering 92 feet over the Monongahela River, constructed of 2.5. thick steel plate and lined with refractory brick, Carrie Furnaces 6 and 7 are extremely rare examples of pre World War II iron-making technology. Since the collapse of the region’s steel industry in the 1970’s and 1980’s, these are the only non-operative blast furnaces in the Pittsburgh District to remain standing. Tours begin at 10 am. For more information visit Carrie Blast Furnace Tour. See the CERM website, www.acscerm2014.org, under “Events’ for information on how to receive your 20% discount.

Advance Registration ends Friday, October 3rd • All refunds are subject to the $25 Administrative Fee
• Make your hotel reservation at the DoubleTree Green Tree Hotel and receive 20% off the Whiskey Science Events
• Visit www.acscerm2014.org for up-to-date programming information

www.pittsburghacs.org
Regional Awards for Excellence in High School Teaching

Call for Nomination
CERM 2014

Sponsor: Division of Chemical Education

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

Nature: The Region Award consists of a cash award and a plaque. Reasonable travel expenses to the Regional Meeting at which the award will be presented will be reimbursed. A certificate/plaque may also be provided to the recipient’s institution for display. In some cases, the awardee may be asked to give a keynote address and/or participate in a symposium with other teachers.

Eligibility: Any individual, except a member of the award selection committee or currently enrolled student of the nominee, may submit one nomination or support form in any given year. The nominee must be actively engaged in the teaching of chemistry or a chemical science in a high school (grades 9-12) on at least a half-time basis. The nomination should clearly demonstrate as many of the following attributes as possible:

- The quality of the nominee’s teaching; unusually effective methods of presentation should be emphasized;
- The nominee’s ability to challenge and inspire students;
- Extracurricular work in chemistry or a chemical science by the nominee, including science fairs, science clubs, and activities that stimulate the interest of young people in chemistry and related sciences;
- A willingness to keep up-to-date in the field, as evidenced by the pursuit of a higher degree in chemistry or a chemical science, enrollment in refresher courses and summer institutes, regular attendance at scientific meetings, membership in professional organizations, and other means of self-improvement;
- Evidence of leadership and/or active involvement within the profession.

Establishment & Support: The Division of Chemical Education (DivCHED) established an endowment in 2004 to support Regional Awards for Excellence in High School Teaching in each of the ACS Regions.

Contact Information: All nomination materials should be emailed to CERM 2014 Awards Co-Chairs Fu-Tyan Lin and Huayun Yu (ftfml@comcast.net and huayun.yu@ferro.com). Nomination forms and additional information can be found at https://fs7.formsite.com/acsdiversity/form565868622/secure_index.html.
E. Ann Nalley Award for Volunteer Service to the American Chemical Society

Call for Nomination
CERM 2014

DEADLINE: SEPTEMBER 5, 2014

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.

Nature and Establishment: This award was instituted in 2006 by ACS President E. Ann Nalley as part of her presidential initiative to recognize ACS volunteerism. It was Dr. Nalley’s wish that the award continue in perpetuity at each regional meeting. The award consists of a plaque honoring the recipient with an imbedded medallion commemorating Dr. Nalley.

Rules of Eligibility: A nominee must be a member of the American Chemical Society residing in a local section within the region, and will have made significant contributions to their Region of the American Chemical Society. The volunteerism to be recognized may include a variety of activities, including but not limited to the initiation or sponsorship of a singular endeavor or exemplary leadership in the region. Past and present members of the ACS Board of Directors and staff are ineligible for this award.

Selection of Recipient: Nominations will be solicited from individuals, using the channels customary for other awards in the region. The awards committee of the region, or its equivalent, will select the recipient.

Submitting a nomination: Submit each of the following: (1) nomination form, (2) up to two support forms, and (3) biographical sketch (or curriculum vitae) by September 5. All nomination materials should be emailed to CERM 2014 Awards Co-Chairs Fu-Tyan Lin and Huayun Yu (ftlfml@comcast.net and huayun.yu@ferro.com). Nomination forms and additional information can be found at the CERM website www.acscerm2014.org.

Technology Group June Meeting
Continued from Page 3

Lab at Large, PA, the Advanced Reactor Division at Waltz Mill and the Nuclear Fuel Division at Monroeville. He received a certificate from the Oak Ridge School of Reactor Technology and BS, MS and Ph.D. degrees in Mechanical Engineering from Carnegie Tech. Dr. Cerni is an Emeritus Member of the American Nuclear Society, with membership since 1956 and a Lifetime Member of the American Society of Mechanical Engineers.

For reservations, please contact Elliott Bergman at elliott.acstechnology@gmail.com by 1:00 on June 9. Walk-ins are welcome. Our meetings are open to all. Cash or check payable to: Energy Tech Pgh Section ACS.

The cost of the dinner is $20 including tax and gratuity. Alcoholic drinks cost extra. Please specify your preference from the following menu choices: Spaghetti with meatballs, 15-layer lasagna, Four-cheese manicotti, Fettuccini Alfredo, Pesto Pasta, or Grilled chicken Caesar salad. Please indicate special needs such as vegetarian, gluten-free, etc.
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Section’s Website:

www.pittsburghacs.org

Facebook Page:

Pittsburgh Section of the American Chemical Society

Linked In:

Pittsburgh Section of the American Chemical Society
Volunteers Needed!
There are a number of volunteer opportunities in the Pittsburgh ACS section! If you are interested in volunteering, please contact Heather Juzwa at hjuzwa@shimadzu.com!

Crucible Deadline
The deadline for items submitted to The Crucible is the 1st of the month prior to publication.
For example, all items for the August 2014 issue must be to the editor by July 1, 2014.

The Crucible
The Crucible is published monthly, August through May. Circulation, 2,500 copies per month. Subscription price, six dollars per year. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

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There are two important ways to recruit through our services. One is to place a print ad in the Crucible. The other is to place a web site ad reaching out to 40,000 ACS members. We recommend using both low cost methods.
You can view both of these opportunities by going to the link below. Who uses these options?
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Pittsburgh Area Calendar

Saturday, May 3
Tripartite Symposium
University of Pittsburgh, 130 DeSoto St. (at 5th Ave.), Pittsburgh, PA

Wednesday, May 7
Society for Analytical Chemists of Pittsburgh and The Pittsburgh Section ACS
Annual Awards Dinner
Power Center Ballroom, Duquesne University, Pittsburgh, PA

Tuesday, May 13
ACS Energy Technology Group
“Natural Gas: An Energy Game Changer”
Ronald Muhlenkamp, Founder and President of Muhlenkamp and Company
Spaghetti Warehouse, 26th & Smallman Streets, Strip District, Pittsburgh, PA

Tuesday, June 10
ACS Energy Technology Group
“A Look Back at Shippingsport”
Dr. Sam Cerni, Westinghouse
Spaghetti Warehouse, 26th & Smallman Streets, Strip District, Pittsburgh, PA