



The Crucible

www.pittsburghacs.org

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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 include your contact information, the nominee's contact information, any supporting letters, and the nominee's CV. More information about the awards, including information on past winners can be found on the ACS website:

<http://www.pittsburghacs.org/awards/pittsburgh-award/>

*

DEADLINE EXTENDED!

Please send all nominations to Pittsburgh Section Chair-Elect, David H. Waldeck, dave@pitt.edu, by Tuesday, September 12, 2016. For more information about the nomination process, contact David at 412-624-8430.

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In Memory

Pittsburgh Section Mourns the Loss of Long Time Member Dr. Mordecai D. Treblow

On Tuesday, April 26, 2016, the ACS lost a beloved member, colleague, and friend, Mordecai Treblow.

In 2015, he celebrated 60 years of ACS membership. Throughout his entire career, Mordecai remained extremely active with the ACS on both the national and local level. His tireless dedication earned him the Prestigious Distinguished Service Award in 2010. He also won the Chairman's Award in 2011 as a result of his ongoing mentorship to new volunteers.

Though Mordecai never served as Chair, he rarely missed an Executive Committee meeting. He led the Finance Committee of the Section for many years, serving as the liaison for our trust account.

Mordecai shared coffee or a meal with each incoming Chair to impart his knowledge and wisdom to serve their term. His legacy will live on in perpetuity.

Perhaps the Pittsburgh Section's 2008 Distinguished Service Award Winner, W. Richard Howe, said it best in his beautiful letter to the nominating committee. It is published here with permission from Dr. Howe.

June 2010

Dear Jim,

According to the web-posted Award Announcement, the Pittsburgh Section's Distinguished Service Award is intended to recognize outstanding volunteer service to the Section and in particular to reward service in

advancing the Pittsburgh Section. This description provides a perfect description of the lifelong contributions to the Section that can be attributed to Dr. Mordecai Treblow. Mordecai has been an active ACS member for 54



Long Time ACS Member Mordecai Treblow

years and an active member of the Pittsburgh Section since 1978. By active, I refer to a degree of activity, commitment, passion and evangelism that is unparalleled in today's world of corporate cut-backs and bottom-line mentality. When Mordecai decides something needs to be done he finds a way to make it happen. If Mordecai decides that you need to be part of the solution to an ACS problem, he finds a way to convince you that you need to sign up and be part of the project. Mordecai is a one-person whirlwind who doesn't sit back and expect others to solve ACS problems at the local or national level. He gives freely of his time and effort and he encourages others to do the same.

Over the course of his extended ACS career, Mordecai has been involved with five sections, and two national divisions (Chemical Education and Professional Relations). He served as the

national chair (in cycle) for the Membership Committee within the Division of Professional Relations (1990-92). He also served a 3.5 year term on the national ACS Board of Directors (1992-95). During his lengthy career of service to the national ACS, Mordecai served on numerous committees of the Board and the Council. During one of his years of activity at the national level, Mordecai spent 90 days on the road visiting local sections across the country.

Mordecai's contributions to the National ACS reflect brightly on the Pittsburgh Section and as such have helped in part to advance the stellar reputation of the Local Section. However, his direct contributions to the Pittsburgh Section are likewise

numerous and exemplary.

During his early years in the Pittsburgh Section, Mordecai benefited from the careful tutelage of Jerry Carlson. At Jerry's suggestion Mordecai served as one of the inaugural ACS organizers for the Tripartite Symposia program (1982-1983) working in conjunction with Dale Ritchey and Diane Wakefield. He also served as the chair of several of the local section committees; Professional Relations/Employment Committee (1991-99, 2001-04), ACS Affairs (1997-02), Finance (2004 - present) and Membership (1982-83). He has served on a variety of other local section committees including Long Range Planning, and the Retired Chemists Group (now merged with the Pittsburgh Chemists Club). He is now into his 3rd term as a director of the local section which carries with it

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Project SEED 2016 at Duquesne University

Duquesne University's Department of Chemistry and Biochemistry is proud to announce their enthusiasm for their 13th year of participation in Project SEED. This year, 10 students will be awarded the opportunity to be a part of a college-level laboratory group for eight weeks. During their eight weeks, the students will each conduct research, gather data, attend group meetings and seminars, and condense their research into a poster, which will later be presented at both the annual Undergraduate Research Program (URP) Symposium and a field trip to Covestro.

During this summer of 2016, 10 high school students have chosen to further their knowledge of particular Chemistry-related fields and topics with their participation in the ACS's Project SEED program. For eight weeks, the students will be able to partake in college-level research alongside a Duquesne University Chemistry professor, graduate student, or undergraduate student. The students will receive one-on-one mentoring that will prepare them for the few presentations that they will take part in at the end of their eight weeks. After they have completed their eight weeks, the Project SEED participants will each be granted a fellowship of \$2,500 or \$3,000 for first and second year participants, respectively.

Of this summer's 10 SEED students, three of them will be returning to Duquesne University following the end of the program. Angel Williamson-Wheat and Jeramiah Jones from Allderdice High School and Jordan Pestok from Sto-Rox High School will be undergraduate students at Duquesne University beginning this fall. In addition to being rising undergrads, these students are also 2nd year Project SEED participants. David Donehue and Zachary Opalko from Pittsburgh Sci-Tech, Destiny Lawrence-Brown from Urban

Pathways Charter School, Asia Parker from Carrick High School, Gildas Kodjo from Sto-Rox High School, and Israa Abdumottaleb from Taylor Allderdice High School are rising juniors and 1st year SEED participants. Sarine McKenzie from Pittsburgh CAPA High School is a rising senior and 2nd year participant.



Project SEED students Jeramiah Jones (right) and Asia Parker (left) working as a team to prepare Asia's samples for X-ray powder diffraction.

"[Project SEED] will help me to decide what's out there," says David Donehue, an enthusiastic 1st year SEED participant and rising junior at Pittsburgh Sci-Tech. Though SEED is a new experience for David, he is optimistic and confident in his ability to conduct research and work in his lab. David has taken his fascination in biology, physics, and quantum mechanics and converted it into strong, positive work ethic that shows in both his research and lab work. David is currently researching X-ray powder diffraction as an effective method of pharmacovigilance, meaning that he's working to keep medicines safe and preventing unknown problems from occurring within them.

"I'm looking to receive the best experience I can get," says Zachary Opalko, also a rising junior at Pittsburgh Sci-Tech and 1st year SEED participant. Zachary's interests in ecology, environmental science, and physics, as well as the encouragement from both his teacher Dr. Kinchington, and close friend David Donehue prompted Zachary to apply for Project SEED. Zachary's sole plan for this summer is to learn to the best of his ability and he is certain that he will receive an enriching experience from SEED. His research includes developing a synthetic method to access a pure compound that is of interest for nonlinear optics, and in the time that he has spent at Duquesne, he is already considering applying to become a 2nd year participant. In addition to swimming, cycling, and drawing, Zachary also enjoys attending Project SEED. So far, SEED has given Zachary a vague idea of what he'd possibly like to do following high school, but for now, he plans on serving in the Marines.

"My goal is to be able to visualize crystal structures in my head just by hearing their name. For example, if I hear 'copper,' I know that its structure is a face-centered cube," says Asia Parker, a rising junior at Carrick high school and a 1st year SEED participant. Parker, a passionate Bill Nye and Neil de Grasse Tyson fan, has only been a participant in Project SEED for a short duration, but she has already decided that she'll be applying again next year. Her research involves finding a suitable standard reference material for use in an undergraduate laboratory centered on solid quantification using X-ray powder diffraction. Her confidence in her laboratory procedures builds on a daily basis, and she's anticipating the arrival of the URP Symposium. Her main focus for her project is

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In Memory

Pittsburgh Section Mourns the Loss of 1984 Pittsburgh Award and 2013 Distinguished Service Award Winner Gerald "Jerry" Carlson

It is with deep sadness that the Pittsburgh Section of the ACS reports the passing of a highly esteemed member of the section, Gerald "Jerry" Carlson. He is the only person in the history of the section to win both the Prestigious Pittsburgh Award to recognize outstanding leadership in chemical affairs in 1984 and the Distinguished Service Award for outstanding volunteer service to the section in 2013. He also served as Chair of our local section in 1982.

Jerry's obituary: Age 84, of Mercer, PA, peacefully passed away Sunday, July 10, 2016, surrounded by his loving family. The world lost one of its brightest souls. He was a strong man who exuded kindness and found great joy in making the people around him happy. Jerry enjoyed life on every level with his wife of 56 years, Lucille (Valli) Carlson; and his six children, David, husband of Cathy Ann (Lashuk), Denine (Carlson), wife of Ron Reitz, Deborah (Carlson), wife of Mark Lindsey, Deanna (Carlson), wife of Tim Riegel, Donald, husband of Casey (Anderson) and Danielle (Carlson), wife of Pat Boston. His happiest moments were spent around the kitchen table talking with his children and his 11 grandchildren. Jerry obtained his B.S. in Chemistry from Grove City College (1954) and received both his Master's (1957) and

Ph.D. (1962) from the University of Pittsburgh. He spent 20 years at Mellon Institute and Carnegie Mellon University carrying out research and providing analytical services in the field of molecular spectroscopy. He joined the



Mordecai Treblow (left) Congratulating Gerald (Jerry) Carlson, 2013 Recipient of the ACS Pittsburgh Section Distinguished Award Winner

Westinghouse Research Laboratories in 1974 as a Senior Engineer in the Physical Chemical Department and later as Manager of the Analytical Chemistry Department. Jerry ended his distinguished career of over 42 years at General Public Utility Systems in Reading, PA. Dr. Carlson's technical work resulted in over 50 publications and he was awarded five patents. He also was an active member of both the Pittsburgh Section of the American Chemical Society, the Spectroscopy Society of Pittsburgh, the Society for Analytical Chemists of Pittsburgh, the Pittsburgh Chemists' Club and was President of the 1969 Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy. The Pittsburgh Section of the American Chemical Society recognized him in 1984 with the Pittsburgh Award and in 2013 with the Distinguished Service Award. After retirement, Jerry and his wife proudly owned and operated for 12 years the Mehard Manor Bed and Breakfast in Mercer from 1995-2007. He was very active with the Mercer Chamber of Commerce and the WPA Bed & Breakfast Association.



Society for Analytical Chemists of Pittsburgh

September Meeting

**Monday
September 12, 2016**

**8:00 PM
Duquesne University**

**Speaker Information,
Title, Abstract and Bio
"TBA"**

Dinner Reservations:

Please email the SACP Administrative Assistant, Valarie Daugherty at daugherty@pittcon.org by Tuesday, September 6, 2016 to make dinner reservations. Should you not have email, please call 412-825-3220, ext 204. Dinner will cost \$10 (\$5 for students) and checks are to be made out to the SACP. If you have any dietary restrictions, please let Valarie know when you leave message.

Parking:

Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage, you will need to get a parking ticket and drive to upper floors. Bring your parking ticket to the dinner or meeting for a validation sticker. Please contact Duquesne University, if any difficulties should arise.



2016 Earth Day Poetry Contest Winners

As part of the American Chemical Society's (ACS) 2016 Chemists Celebrate Earth Day (CCED) celebration, the Pittsburgh Section ACS sponsored a poetry contest for students in grades K-12. Students could pick topics related to the 2016 CCED theme *"The Great Indoors - Your Home's Ecosystem."*

First place winners were selected from four grade categories: K-2nd, 3rd-5th, 6th-8th, and 9th-12th. Poems could be any style (free verse, limerick, haiku, etc.). Entries were judged based upon relevance to and incorporation of the theme, word choice and imagery, colorful artwork, adherence to poem style, originality and creativity, and overall presentation.

Each 1st place winner received a check for \$50 and their winning poem was entered into the national ACS CCED poetry contest sponsored by the ACS's Office of Community Activities and Committee on Community Activities. The Pittsburgh Section's 9th-12th grade local contest winner, Hannah J. from Mt. Lebanon High School, won the national contest for her age category.

Winners of the 2016 Pittsburgh Section ACS's CCED Poetry Contest:

K-2nd Grade

Rhiannon R. (2nd Grade), College Square Elementary School,
Teacher: Julie Stefanchik

3rd-5th Grade

Thomas P. (5th Grade), Home School, Teacher: Susan P.

6th-8th Grade

Anna P. (7th Grade), St. Bernadette School, Teacher: Mary Chase

9th-12th Grade*

*winner of the national ACS contest for this grade category

Hannah J. (9th Grade), Mt. Lebanon High School, Teacher: Susan Meer

Congratulations to all our local and national winning entries!

Project SEED

Continued from Page 3

ensuring that it is completed properly, and she'll know that she's achieved this when she can quantitatively analyze crystalline solid mixtures. Parker is a keen artist, athlete, and reader, and she acknowledges that Project SEED has contributed to her focus of attending a college or university following high school.

This summer's ten SEED participants have been and will continue to be engaged in advanced procedures and research to prepare them for the various presentation opportunities that they will take part in. The first is the Covestro field trip on July 25, where they will get a tour of the company and observe some of the research that Covestro conducts, then the students will each present their research to Covestro scientists. Shortly following the Covestro field trip, the SEED students will present their research again at the URP Symposium on July 29. The SEED students will be among Duquesne University undergraduate students, and their work will be as impressive as those around them.

"I was pleased with the quality of the applicants," says Dr. Jennifer Aitken, "I have high hopes for this group of students." Dr. Aitken is the Project SEED coordinator at Duquesne University, and her pride of the SEED students is clear. Dr. Aitken recalls several instances of former SEED students continuing on into a science-related field following their participation in Project SEED, but she emphasizes the fact that SEED students can choose from various paths. Pursuing a career in chemistry or attending college following Project SEED are not the only successful outcomes. Project SEED is

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50/60 Year ACS Member Dinner

Join members of the ACS Pittsburgh Section as we honor those members celebrating 50 and 60 Years of ACS Membership

Thursday, September 22nd

5:30 pm Social Hour/ 6 pm Dinner/ 7 pm Presentation

The Spaghetti Warehouse (2601 Smallman St, Pittsburgh, PA 15222)

Our YCC and student members are welcome and encouraged to attend to network with our most experienced members.

Metabolism of the Industrial City: Air, Land and Water

Joel Tarr, Ph.D. Carnegie Mellon University Richard S. Caliguiri University Professor of History and Policy

Reservations must be received by Tuesday, September 20th

The cost of dinner is \$22 and will include salad, bread, entrée, soft drink, tax, and gratuity. (Dinner is complimentary for each 50/60 Year Member and a guest.) Checks can be made to ACS Pittsburgh Section.

Please complete the form below and return it to Heather Juzwa
(321 Winners Circle, Canonsburg, PA 15317).

Any questions should be directed to Heather at hljuzwa@sbimadzu.com or 724-745-2662.

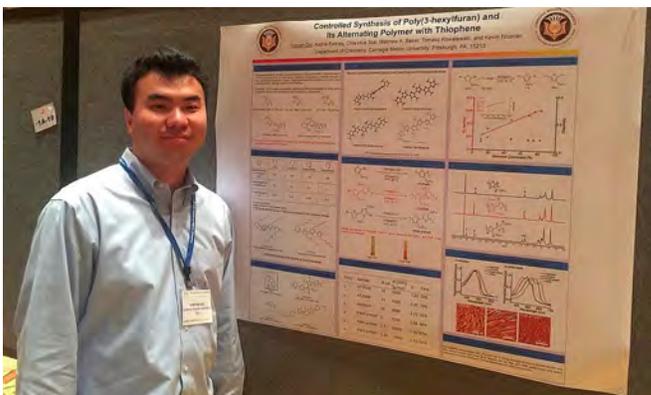
Name: _____

Dinner Choice: Spaghetti with Meatballs 15-layer Lasagna Four-cheese Manicotti
 Fettuccini Alfredo Grilled Chicken Caesar Salad Chicken Parmesan

Guest: _____

Dinner Choice: Spaghetti with Meatballs 15-layer Lasagna Four-cheese Manicotti
 Fettuccini Alfredo Grilled Chicken Caesar Salad Chicken Parmesan

Student Travel Awardee Yunyan Qiu 251st American Chemical Society National Meeting Summary



Pittsburgh Section Student Travel Awardee Yunyan Qiu at the Spring 2016 ACS National Meeting

This spring, I felt honored to be funded by ACS Pittsburgh Section to attend the national meeting held at San Diego. As a fifth year graduate student at Carnegie Mellon University, I am been working on rational design of conjugated monomers and developing controlled methodologies to afford well-defined functional materials, under the supervision of Professor Kevin Noonan and Professor Tomasz Kowalewski.

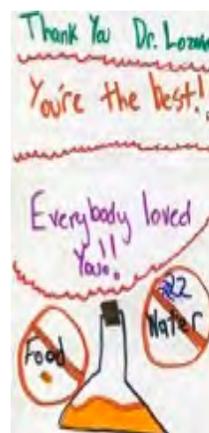
During the meeting, I presented my recent research entitled ***Towards controlled synthesis of conjugated polymers with functional side chains: An investigation of catalyst-transfer polycondensation for n-type materials*** at the PMSE general session. Last year, I presented my research results on utilizing Stille coupling in controlled polycondensation reactions and have been able to network with experts in this field. This year, I was glad to meet with them again and discuss our recent effort in developing a nickel catalyzed Suzuki catalyst-transfer polymerization process to afford functional conjugated polymers.

This protocol enables the side chain engineering of well-defined conjugated polymers with ester functionality. The presented method should serve as the entry point to obtain more complex architectures such as donor-acceptor copolymers with desired optoelectronic properties. After the talk, I received positive feedback and great suggestions from the audience.

Besides my own presentation, I also attended many other great talks and poster sessions, where I had the chance to network with chemists from other fields. All these experience have been really helpful for my postdoc applications and future careers. Overall, I am truly grateful for the travel funding by ACS Pittsburgh Section.

For more information regarding Student Travel Awards, please see the article on [Page 11](#) or visit the section website at www.pittsburghacs.org.

Volunteer with a Teacher as an ACS Science Coach



Make plans now to help an elementary, middle, or high school teacher provide students with wonderful experiences learning chemistry throughout the 2016-17 school year – become an ACS Science Coach.

Chemists and chemical engineers bring a fresh perspective when they visit a classroom and show students how the science they are learning applies to real life. Teachers value their contributions as they help plan, suggest demos and labs, mentor science clubs, and serve as role models to students. "My role in Science Coaches is to spur innovation and excitement within each student and tie that to lifelong learning and career opportunities," says Sammy Bell, director of process chemistry at Avalon Laboratories and volunteer science coach for a high school teacher in Suwanee, GA.

The ACS Education Division is expanding the Science Coaches program to accommodate the growing presence of the American Association of Chemistry Teachers (AACT) by requiring each teacher who wants to partner with an ACS Science Coach to be a teacher member of AACT. Teachers must be AACT members at the time they submit their applications. Science Coaches who invite a teacher to participate in the program are also introducing that teacher to the many benefits of AACT membership. In addition to providing volunteer chemists to the program, ACS will also donate \$500 to each school with a science coach-AACT

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Mordecai Treblow

Continued from Page 2

voting membership on the section's executive committee.

His service as a five-time elected Councilor for the Pittsburgh Section places him third in order of longevity for this distinguished position. His total years of service to the Local Section as Councilor are exceeded only by those served by the legendary Bodie Douglas and Kurt Schreiber, both of whom were recognized as recipients of the cherished Pittsburgh Award of the local section.

Although his activities in the other technical societies are tangential to the award for which I am nominating Mordecai, they do exemplify his commitment to chemistry and chemical professions. During his lengthy career of service to the chemistry profession, Mordecai has served on committees in the Spectroscopy Society of Pittsburgh, The Society for Analytical Chemists of Pittsburgh, the Chemists Club, and the Pittsburgh Energy Technology group (a spin off from the local section of the ACS and the local section of AIChE).

Past chairs of the Local Section have already recognized Mordecai for his many and varied contributions to the Section. In 1998, he received the Chairman's Award for "Outstanding Service to the Pittsburgh Section" and in 2004 he received the Chair's Award for "Outstanding Contributions and Guidance to the Pittsburgh Section." I contend that these prior awards

made by previous Local Section Chairs serve on their own as testimony to the long standing and valued contributions Mordecai has made over a long period of time to the Pittsburgh Section. Rather than negate the need to recognize him by the award of the new Pittsburgh Section Distinguished Service Award, I see the prior awards by past Chairs as secondary nominations in support of my nomination of Dr. Mordecai Treblow to be recognized as the



2010 Distinguished Award Dinner: from left to right – 2010 Winner Dr. Mordecai Treblow, 2008 Winner Dr. W. Richard Howe, 2010 Chair-Elect Heather Juzwa

4th recipient of the Pittsburgh Section Distinguished Service Award. At an age when many professional chemists ease back on their professional commitment, Mordecai continues to push an aggressive schedule, and agenda, for the Local Section. I marvel at his enthusiasm, I appreciate his commitment and I stand in awe of his dedication to the Pittsburgh Section. Mordecai is a true example of a dedicated professional and personifies the reasons why this award was created.

Sincerely Submitted,
W. Richard (Dick) Howe

Project SEED

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a confidence booster, as well as a benevolent motivator. Project SEED pushes its participants in a positive direction, and helps to prepare them for whatever they wish to pursue in their future.

Duquesne University's Department of Chemistry and Biochemistry has welcomed 59 students into the program over the course of 13 years, and they acknowledge that that wouldn't be possible without their generous donors: The Spectroscopy Society of Pittsburgh (SSP), the Society for Analytical Chemists of Pittsburgh (SACP), and the Pittsburgh Local Section ACS. Support from the Bayer School of Natural and Environmental Sciences at Duquesne University in the form of free daily lunches for the SEED students is also greatly appreciated. Duquesne University expresses their ongoing gratitude to these donors for supporting them for many years, and providing the tools necessary to propel those 59 high school students into a greater sense of confidence and determination.

Submitted by: Ms. Sarine McKenzie

Volunteer With a Teacher

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member partnership. This grant can be used to purchase science classroom supplies such as goggles or molecular modeling kits, or to provide experiences like field trips to a nearby chemistry laboratory.

Graduate students, retirees, and chemistry professionals at all stages of their careers are encouraged to apply to participate in the Science Coaches program for the 2016-17 school year. For more information about applications and enrollment, which is open until September 9, 2016, visit www.acs.org/sciencecoaches.

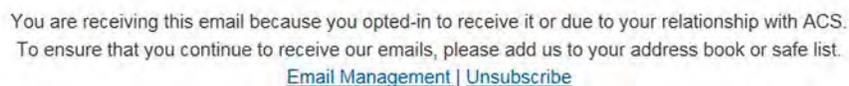


New Email Service for the ACS Pittsburgh Section Magnet Mail

The Pittsburgh Section has gotten a new email service. All messages, including The Crucible Newsletter, will still come from the same webmaster@pittsburghacs.org, but they will have a new look and feel. For those of you who get emails from National ACS, you will recognize the format. Our new emails will have the yellow and blue header bar across the top with the ACS logo on the left. Most emails will have either a header or an image on the right. Here is an example:



At the bottom of most emails, you will see an Unsubscribe bar like the one below.



With the move to this new service, if you have previously opted out of ACS emails, you will no longer receive our section's promotional emails. You will, however, receive Administrative emails, such as our electronic election notifications and ballots.

Applications for Student Travel Awards Now Being Accepted

The Pittsburgh Section of the American Chemical Society has budgeted funds to help encourage undergraduate/graduate student participation in national and regional ACS meetings. The awards are intended to help defray meeting registration and travel-related expenses (lodging, transportation, per diem) for eligible students. Awards will be made based on the scientific merit of the paper/poster to be presented, financial need, and preference will be given to ACS members.

To apply for the funds, applicants should complete the attached application and return it by the relevant deadline. The deadlines for receipt of applications are: 06/01 (for travel to be completed by 12/31) and 12/01 (for travel to be completed by 06/30). As noted on the application, students should include an abstract and confirmation (if received) of the paper/poster being accepted for the Meeting. In addition to the application form, applicants should include two recommendation letters (one must be from the PI of the project being presented) and a personal statement as to the anticipated benefits of meeting attendance.

Applications can be made electronically (preferred) by emailing the application to Dr. Michelle Ward (michelle.ward@pitt.edu) or by mailing a hard-copy application (Pittsburgh Section ACS TravelGrants / Attn: Dr. Michelle Ward / Room 107 / Chevron Science Center / 219 Parkman Avenue / Pittsburgh, PA 15260).

Since 2013, the Pittsburgh Section of the ACS has awarded up to four \$500 grants each year to aid our undergraduate/graduate student members in presenting papers or posters at ACS Meetings. This is an ongoing program in our Section, and details will be updated on our web site (www.pittsburghACS.org) as necessary.

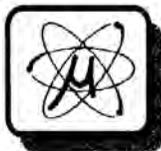
Applicants will be notified via email that their application was received. All efforts will be made to announce awards within two weeks of the application deadline, and all applicants will be notified of the final committee decisions. Our Section is looking forward to helping increase the participation of local students in ACS conferences. If you have any questions, please do not hesitate to contact Michelle Ward at michelle.ward@pitt.edu.

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Services

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 hljuzwa@shimadzu.com!

Crucible Deadline

The deadline for items submitted to The Crucible is the 15th of the month prior to publication.

For example, all items for the September 2016 issue must be to the editor by August 15, 2016.

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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Career Opportunities

RECRUITING WEB SITE LISTING DIRECT TO YOUR SITE

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?

- Companies for lab, management and sales personnel
- University & College teaching positions
- Hospitals for technical and research personnel

We provide more qualified resumes because of the highly targeted technical audience.

info -- www.mboseervices.net

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The Crucible

A newsletter of the Pittsburgh Section of the American Chemical Society

124 Moffett Run Rd.
Aliquippa, PA 15001

Change of Address

If you move, notify the American Chemical Society, 1155
Sixteenth Street, N.W., Washington, D.C. 20036.

To avoid interruption in delivery of your CRUCIBLE, please
send your new address to Traci Johnsen, 124 Moffett Run Rd.,
Aliquippa, PA 15001. Allow two months for the change to
become effective.

Pittsburgh Area Calendar

Monday, September 12

Society for Analytical Chemists of Pittsburgh

TBA

Duquesne University, Pittsburgh, PA

Thursday, September 22

50/60 Year ACS Member Dinner

The Spaghetti Warehouse, 2601 Smallman St., Pittsburgh, PA 15222

Tuesday, September 27

Spectroscopy Society of Pittsburgh

Technology Forum

***Dr. John Viator, , Chief Scientific Officer of Acousys Biodevices and Program Director and Professor of
Biomedical Engineering at Duquesne University***

Technical Program

TBA

Duquesne University, Pittsburgh, PA