

Minutes
EXECUTIVE COMMITTEE MEETING
ACS Division of Environmental Chemistry
September 8, 2013
246th ACS National Meeting, Indianapolis, IN
(next meeting: March 16, 2014)

I. [7:30pm] Call to Order, Introduction, Attendance, Corrections to Roster (Williamson)

Attendance

Dean Adams	Alexander Orlov
Souhail al-Abed	Xiaoping Pan
George Cobb	Peney Patton
Dionysios Dionysiou	Aditya (Ashi) Savara
Jurgen Exner	Victor Turoski
Jillian Goldfarb	Martha Wells
Ruth Hathaway	Tracy Williamson
Edward Kolodziej	

II. [7:35pm] Administrative Items & Announcements

A. *Awards/Recognition (Williamson)*

ACS Fellows – **Exh. II.A.1**
C.E. Gonter Student Awards – **Exh. II.A.2**
2013 Undergraduate Student Awards – **Exh. II.A.3**
Certificate of Merit Awards, Spring 2013 – **Exh. II.A.4**

B. *Annual Membership Recognition (Patton) – Exh. II.B.1*

C. *Election Results – Exh. II.C.1*

The election results for 2014 officers are provided in the attachment.

III. [7:45pm] Reports

A. *Secretary (Savara)*

- 1. Minutes from Spring 2013 Executive Committee Meeting –**
Distributed to committee by email on June 24, 2013

Motion to approve the minutes from Spring 2013 Executive Committee meeting:

Moved: Cobb

Seconded: Exner

Approved.

- 2. Interim actions – Exh. III.A.2**

There were two interim actions voted on by email, given in the attachment, and also listed in the summary at the end of these minutes.

- 3. Division Leader Ribbons.** ACS has provided ribbons for the officers, and requests that we wear the ribbons during the national meeting and other ACS-related events. Ribbons were distributed at the ACS meeting.

- 4. Dues for 2014**

Dues have been set at \$15 for regular members, \$20 for division affiliates, \$20 for society affiliates, \$10 for student members, and \$0 for emeritus members. There is a \$4 surcharge for foreign addresses. These levels are a continuation of 2013 dues. At the business meeting, a motion was approved to retain the same rates for 2015 and to monitor the costs of international postage until Fall 2014.

- 5. Division logo – Exh. III.A.5**

We have been using the attached logo on the website and for at least one cooperative activity. The secretary believes this logo is professional enough and recognizable enough to be good for division branding.

Motion to make the Exh. III.A.5 the division's official logo pending approval from ACS National

Moved: Savara

Seconded: Xiaoping Pan

- 6. Division letterhead – Exh. III.A.6**

The secretary would like to incorporate the proposed logo in Exh. III.A.6 into the division letterhead. Currently, we use the ACS logo on our letterhead, but not one for our own division. Three letterhead examples are provided. a) has only the ACS logo, b) has the ACS logo in the upper left and the proposed division logo in the upper right, c) has the division logo in the upper left and no ACS Society logo. **The committee voted to keep III.A.6.a as the division's correspondence letterhead.**

B. Treasurer (Cobb)

- 1. Treasurer's Report – Exh. III.B.1**
See Exh. III.B.1

Motion to Accept the Financial Report, modified to reflect that P2C2 has \$572 of expenses which are mislabeled and should be moved to the correct line.

Motion: Hathaway

Second: Dionysiou

Approved.

- 2. Proposed 2014 Annual Budget – Exh. III.B.**

Motion to accept 2014 Annual budget with the following amendments:
Allocation of up to \$3000 for CPA review of our financial records under item 9A Treasurer's office expenses.

Amending Item 4H Centennial item to \$24,000.

Adding \$2000 for K-12 and Community Outreach under item 11 as a new line item.

Add \$300 back for Election in item 9G.

Motion: Ruth Hathaway

Second: Savara

Approved as Amended.

- 3. Bank Report – Exh. III.B.3**

C. Investment Committee (Cobb in lieu of Elzerman)

- 1. Hancock Fund: as of Sept. 8th: 61,758**

Division funds are also healthy with a sufficient amount accessible.

D. Chair (Williamson)

- 1. Committee Chair Appointments**

Victor Turoski appointed to Chair of the Archival Committee

International Activities Committee will be appointed soon. Anticipate

Cobb, Dionysiou, al-Abed

- 2. Request from ACS Graduate Student Symposium for 248th National Meeting at San Francisco for \$500.**

Motion to provide \$500 of support. It was discussed that we should

request that the ACS Graduate Student Symposium organizers promote the Centennial event in conjunction as well.

Moved: Adams
Seconded: Cobb
Approved

E. *Business Office (Patton) – Exh. III.E*

1. Patton announced that we no longer need to do written agreements for nominal co-sponsorships (financial co-sponsorships still have written agreements). The ACS national society does not require such written agreements for nominal co-sponsorships at this time.

F. *Council Items (Adams, Exner, Elzerman, Wells)*

1. The Colloids and Surface Chemistry name change is up for discussion at the Council Items. The XC feedback almost unanimously recommends opposition to the name change.

IV. [8:15pm] Executive Committee Business

A. *Long Range Planning (Williamson, Cobb)*

- MPPG: Denver Theme is Extraction Refining, and Conservation
- Discussed \$7500 DAC Project Grant for supporting Centennial event, and also the possibility of a \$5,000 DAC Project Grant for regional meeting support.
- Will try to engage the membership in 2014 for what they would like from the division in the future.
- It was discussed that we should increase involvement with regional programming.
- International activities: we would like to develop longterm interactions rather than single events.
- Discussed having conference calls in-between the national meetings.

B. Old Business

1. DAC Innovative Project Grant – ECE Website Development (Wells, Zhang)

Initial phase has been completed. Martha is volunteering to revisit and update the website once per quarter, but also to collect ideas for improvement if others have ideas.

2. DAC Project Grant – Submitted for joint session with AGRO on Air Quality initiative (Cobb)

The joint session is occurring on Thursday afternoon of this national meeting. Note: this item appeared as two items in the original Agenda, but referred to the same DAC Project Grant.

3. Operations Manual (Savara, Williamson)

Work in progress.

C. New Business

1. Proposed DAC Grants

2. Motion to support a Local Section outreach activity with the Boy Scouts by ENVR Member Jennifer Maclachlan (NESACS) and Cape Cod Science Café for National Chemistry Week event for \$250.

Motion: Savara

Second: Dionysiou

Approved.

3. CEI (Cobb): CEI is likely to become the lead unit for climate science initiative and water sustainability initiative.

D. Centennial (Ford, Goldfarb)

It was discussed that it would be acceptable to spend all of the \$8000 budgeted for meeting receptions in the 2014 Spring meeting. If that happens, then for the receptions at the Fall meeting we can spend from the \$24,000 budget for centennial meeting. We also have the option of revising the budget at the Spring meeting if necessary.

V. [9:00pm] Programming

- A. *246th National Meeting – Meeting at a Glance (Dionysiou)– Exh. V.A.1*
- B. *247th National Meeting – Dallas, TX, March 16-20, 2014, Call for Papers (Al-Abed)– Exh. V.B.1*
- C. *Speaker Expense (Hathaway) – Exh. V.C.1*

Sherine Obare has agreed to take over speaker expenses.

D. *International Activities (Dionysiou/Al-Abed)*

1. (Dionysiou) Nominal co-sponsorship of the **International Symposium of the Canadian Society of Chemistry (CSC)** conference to be held in June 1 – 5, 2014 in Vancouver, Canada. I believe this is an excellent opportunity for our division members to participate in such event and also well within the goals of the international activities. Dion has been invited to organize a symposium – *Exh. V.D.1*

Motion to approved this request.

Moved: Adams

Seconded: Cobb

Approved.

2. (Dionysiou/Savara) Proposal to create a standing vote to support **Pacifichem 2015 Symposia: \$4,000 max for each one of the three symposia approved, with total max of \$12,000 for these three symposia. Additional support of \$6,000 for three additional symposia (per request basis) at the level of max support of \$2,000 each. These expenses will occur in the 2015 budget. This would revise the total approved for Pacifichem 2015 from \$5,000 to \$18,000.**

Moved: Savara

Second: Al-abad.

4 for 2 opposed.

Motion Approved.

3. Euchems Proposal:

Motion for \$6,000 of support for EuCheMS congress in 2014, Istanbul with involvement of the ACS ENVR division, to be used for ACS ENVR members to participate in the event.

Moved: Dionysiou

Seconded: al-Abed

Motion Approved.

E. *Other Meetings - Appropriations (Turoski) - Exh. V.E.1*

Motion to approve all of the appropriations at \$500 each.

Moved: Turoski

Seconded: al-Abed

Motion Approved.

VI. [9:30 pm] Committee Reports

A. *Archival (Williamson)*

B. *Awards*

- 1. Student Awards (Anderson)**
- 2. Certificate of Merit (Pan)**
- 3. Hancock Awards (Dionysiou)**
- 4. Distinguished Service Awards (Turoski)**
- 5. Undergraduate Awards (Dionysiou)**
- 6. SETAC – ENVR Exchange Award (George Cobb)**

C. *Business Office (Adams, Exner, Ford)*

D. *Membership Services (Hathaway)*

- 1. Annual Demographics – Exh. VI.D.1**
May be time for another survey of members.

E. *Nominating Committee (Adams)*

F. *Publicity/Newsletter (Goldfarb)*

- 1. Newsletter, July 8, 2013 – Exh. VI.F.1**

G. Social Affairs (Hathaway)

- 1. Indianapolis Dinner - Exh. VI.G.1**
- 2. Dallas Centennial Reception**

H. Web Site (Savara)

The website is now almost complete. The ECE section (education) is now linked. The webmaster recently added all of the awards sections to the website. The Legends of Environmental Chemistry videos have been up for some time. The meeting section has been kept up to date as well.

Currently, we do not have a formal policy for advertising meetings that are not co-sponsored. The Program Chair (Dion) suggests that we only advertise co-sponsored symposia/meetings. The webmaster believes members would like to be informed of other meetings. Often, the organizers of other meetings do not contact the webmaster in a timely manner.

The webmaster suggests that we recruit one or two graduate students, and provide \$2500 per year to them through their department (like a grant), where in return they will keep the webmaster informed of meetings that are relevant to the ENVR division and will also provide the webmaster with information on grant opportunities. We could potentially also make a jobs section on the website.

One feature we may want to add is a members only section where people can login by email address, then we can make a better case for there being a benefit of membership in the division. We can even have a jobs advertising section.

Follow-up; The webmaster will contact ACS to see if we can have a jobs advertising section on our division website.

VII. [10:00 pm] Information/Concluding Comments

Adjourn

Summary of approved motions etc.:

Motion to approve the minutes from Spring 2013 Executive Committee meeting:
Moved: Cobb
Seconded: Exner
Approved.

Interim Motions:

(April 30) Motion to revise the authorized expenditures for sessions ENVR018 and ENVR020 at 245th national meeting, with new values of \$1,386.00 and \$1,185 respectively. Thus increasing the budgeted amount for the 245th national meeting by \$1,271.

Note: it is anticipated that we will still be below the original budgeted amount for total expenses of the 245th national meeting.

(May 27) Motion Allocation of \$3000 to the international affairs committee to support one additional speaker (\$1000) to attend IUPAC in Istanbul, and two international speakers (\$2000) to provide presentations in ENVR Symposia at the ACS National meeting in Indianapolis, with 2013 budget revised accordingly.

Motion to make the Exh. III.A.5 the division's official logo pending approval from ACS National
Moved: Savara
Seconded: Xiaoping Pan

The committee voted to keep III.A.6.a as the division's correspondence letterhead.

Motion to Accept the Financial Report, modified to reflect that P2C2 has \$572 of expenses which are mislabeled and should be moved to the correct line.

Motion: Hathaway
Second: Dionysiou
Approved.

Proposed 2014 Annual Budget – Exh. III.B.

Motion to accept 2014 Annual budget with the following amendments:

Allocation of up to \$3000 for CPA review of our financial records under item 9A Treasurer's office expenses.

Amending Item 4H Centennial item to \$24,000.

Adding \$2000 for K-12 and Community Outreach under item 11 as a new line item.

Add \$300 back for Election in item 9G.

Motion: Ruth Hathaway
Second: Savara

Approved as Amended.

Committee Chair Appointments and Other Appointments:

Victor Turoski appointed to Chair of the Archival Committee
International Activities Committee will be appointed soon. Anticipate Cobb, Dionysiou, al-Abed.
Sherine Obare has agreed to take over speaker expenses.

Request from ACS Graduate Student Symposium for 248th National Meeting at San Francisco for \$500. Motion to provide \$500 of support. It was discussed that we should request that the ACS Graduate Student Symposium organizers promote the Centennial event in conjunction as well.

Moved: Adams

Seconded: Cobb

Approved

Note: The motion did not specify which line item this would come from.

Motion to support a Local Section outreach activity with the Boy Scouts by ENVR Member Jennifer Maclachlan (NESACS) and Cape Cod Science Café for National Chemistry Week event for \$250.

Motion: Savara

Second: Dionysiou

Approved.

Note: This is to come from 2014 budget under the line: K-12 and Community Outreach under item 11 which is a new line item.

Motion to approve the Nominal cosponsorship request in Exh. V.D.1 for Symposium of the Canadian Society of Chemistry Conference

Moved: Adams

Seconded: Cobb

Approved.

Note: this is a nominal co-sponsorship only, so the amount allocated is \$0.00.

Proposal to create a standing vote to support Pacificchem 2015 Symposia: \$4,000 max for each one of the three symposia approved, with total max of \$12,000 for these three symposia. Additional support of \$6,000 for three additional symposia (per request basis) at the level of max support of \$2,000 each. These expenses will occur in the 2015 budget. This would revise the total approved for Pacificchem 2015 from \$5,000 to \$18,000.

Moved: Savara

Second: Al-Abed.

4 for 2 opposed.

Motion Approved.

EuChems Proposal:

Motion for \$6,000 of support for EuCheMS congress in 2014, Istanbul with involvement of the ACS ENVR division, to be used for ACS ENVR members to participate in the event.

Moved: Dionysiou

Seconded: al-Abed

Motion Approved.

Motion to approve all of the appropriations in Exh. V.E.1 at \$500 each.

Moved: Turoski

Seconded: al-Abed

Motion Approved.

Follow-up; The webmaster will contact ACS to see if we can have a jobs advertising section on our division website. Note: the COLL division posts resumes on their website.

Exh. II.A.1

Division of Environmental Chemistry Members Named as ACS Fellows

An official announcement with the complete list of 2013 ACS Fellows appears in the July 29, 2013 issue of *C&EN* - <http://cenm.ag/2013acsfellows>. Photos and citations will be posted at www.acs.org/fellows.

Fellow Name	Fellow Affiliation	Nomination Type	Nominator
Herbert E. Allen	University of Delaware (Emeritus)	Individual	
Allen W. Apblett	Oklahoma State University	Local Section	Oklahoma
Warren V. Bush	Shell Development Company (Retired)	Division	Energy and Fuels
Alan W. Elzerman	Clemson University (Emeritus)	Division	Environmental Chemistry
Anne T. O'Brien	Wyeth (Retired)	Local Section	New York
Mary Jane Shultz	Tufts University	Local Section	Northeastern

C. Ellen Gonter Environmental Chemistry Award

The Division of Environmental Chemistry sponsors research paper awards for graduate students. These awards are competitive and judged on the basis of research and writing quality. Up to seven awards are presented annually. These awards represent the highest honor granted by the Division of Environmental Chemistry for students.

All graduate students enrolled full-time in chemistry, environmental engineering or other programs emphasizing environmental chemistry are eligible. The research paper must be relevant to environmental chemistry, the student must be the first and major author and the work must have been done while attending the student's current institution.

Graduate students who receive this award will present their papers at the C. Ellen Gonter Environmental Chemistry Awards Symposium at the American Chemical Society National meeting in the fall. Each awardee will also receive a \$1,000 cash award at the Environmental Division Dinner at the national meeting, a one year membership in the Environmental Division and recognition in *ES&T*.

C. Ellen Gonter was born on February 28, 1922 in Dover, OH. She graduated with a B.S. in Chemistry in 1952 from Carnegie-Mellon University. She was a certified professional chemist. She worked for the U.S. Army in chemical warfare service during World War II, U.S. Steel Corp., was supervisor of analytical research for Pittsburgh Coke and Chemical Co., manager of the water division of the Nuclear Utilities Service Corp. of Pittsburgh and the National Sanitation Foundation of Ann Arbor, MI. She did much consulting work throughout her career. She was an Emeritus member of the American Chemical Society.

Dr. Gonter served in many capacities within the Division of Environmental Chemistry including serving as the Chair (1973), Secretary (1969-1971) and Treasurer (1976-1977). Ellen attended nearly every meeting during her career and could be found manning the Division table at many of those meetings. She was instrumental in the development and establishment of this award in 1985. Due to her tireless volunteer efforts, the Division bestowed her with the Distinguished Service Award in 1979.

Dr. Gonter was also a member of the American Institute of Chemists, the Society for Applied Spectroscopy, the International American Society for Testing and Materials for which she was secretary and member of the Board of Directors of the Pittsburgh section of the Society of Women Engineers. She had many papers published for the chemical industry.

At the Spring National Meeting, the Division of Environmental Chemistry decided to honor the memory of Ellen, with her passing on September 14, 2006, by renaming the Graduate Student Research Paper Award to the C. Ellen Gonter Environmental Chemistry Award.

2012 Recipients

Matt A. Limmer, *Missouri University of Science and Technology* (Advisor: Joel G. Burken) -- Advances in phytoscreening: Azimuthal uptake of chlorinated solvents

Megan M. Kelly, *University of Minnesota* (Advisor: William A. Arnold) -- Direct and indirect photolysis of the phytoestrogens genistein and daidzein

Tong Zhang, *Duke University* (Advisor: Heileen Hsu-Kim) -- Methylation of mercury by bacteria exposed to dissolved, nanoparticulate, and microparticulate mercuric sulfides

Jong Kwon Choe, *University of Illinois at Urbana Champaign* (Advisor: Charles J. Werth and Timothy J. Strathmann) -- Evaluation of current and emerging perchlorate treatment technologies using environmental impact assessment

Carlos A. Manzano, *Oregon State University* (Advisor: Staci Simonich) -- Optimization of column selection for separation of complex polycyclic aromatic hydrocarbon mixtures using GC×GC/ToF-MS

Xuexiang He, *University of Cincinnati* (Advisor: Dionysios D. Dionysiou) -- Destruction of cyanobacterial toxin cylindrospermopsin by hydroxyl radicals and sulfate radicals using UV-254 nm-activation of hydrogen peroxide, persulfate, and peroxymonosulfate

2013 Recipients

Dimin Fan, *Oregon Health and Science University* (Advisor: Paul Tratnyek) -- Reductive sequestration of pertechnetate ($^{99}\text{TcO}_4^-$) as Tc(VI) sulfide under sulfidogenesis stimulated by nanozerovalent iron (nZVI) and limited remobilization

Rachel Marek, *The University of Iowa* (Advisor: Keri Hornbuckle) -- PCBs and OH-PCBs in serum from children and mothers in urban and rural U.S. communities

Oleksii Motorykin, *Oregon State University* (Advisor: Staci Simonich) -- Association of carcinogenic polycyclic aromatic hydrocarbon emissions and smoking with lung cancer mortality rates on a global scale

Shen Qu, *The University of Iowa* (Advisor: David Cwiertny) -- Photoproduct-to-parent reversion for trenbolone acetate metabolites: An unrecognized route to endocrine disruption in agriculturally impacted surface waters?

Ngai Yin Yip, *Yale University* (Advisor: Menachem Elimelech) -- Influence of natural organic matter fouling on pressure retarded osmosis energy production with natural salinity gradients

Peng Yi, *Johns Hopkins University* (Advisor: Kai Loon Chen) -- Reversibility of multiwalled carbon nanotube deposition on silica surfaces: A QCM-D study



2013 Undergraduate Student Award in Environmental Chemistry

The Division of Environmental Chemistry sponsors annual awards to full-time undergraduate students currently enrolled in a United States education institution in chemistry, environmental engineering or other programs emphasizing environmental chemistry. These students must have completed or be completing one full year of study at their current institution by the date of announcement of the awards (May). The award consists of a one year membership in the ACS Division of Environmental Chemistry and a certificate. Awardees will be publicized in the Division website (www.acsenvr.com) and *C&E News*. The Division of Environmental Chemistry is pleased to announce this year's awardees:

James Agren

Chemistry
Central Washington University

James is an undergraduate Environmental Studies/Sciences major with specialization in Chemistry. He started his research on precipitation and water quality in fall of 2011 and has proven to be a reliable and competent young scientist. He enjoys learning and has a special love for the outdoors and the environment. As part of his project he receives and processes weekly precipitation and seasonal stream/lake water samples from 3 national parks in WA State. He analyzes these waters for pH, conductivity, major anions and cations, and processes the data. James has successfully presented this work at a number of regional and national conferences, the last of which was the ACS conference in New Orleans. James also performs well in course work (GPA 3.6) and he is a pleasure to be around.

Anne Johansen
Associate Professor

Melissa Barona

Civil, Architectural, and Environmental Engineering
University of Miami

Melissa is an excellent student and researcher. She has a very strong background in both Environmental Engineering and Chemistry, majoring in both fields. Melissa is capable of independent research and can creatively assess information. She works well both independently and in group settings. Within group settings she can lead and bring out the best of her group members. She is very conscientious, responsible, and motivated. She has a true passion for sustainability, renewable energy, and green initiatives and she has the capacity to make significant contributions to the environmental chemistry field of research.

Helena Solo-Gabriele
Professor and Associate Dean for Research

Sara Knowles

Environmental Engineering - Industrial Processes
University of New Hampshire

Sara has a very good academic record and has shown a strong performance in Senior-level courses she has taken as a Junior.

Nivedita R. Gupta
Associate Professor

John C. Berude
Biology
Seattle University

John is a senior Biology major at Seattle University who has an exemplary academic record to go with impressive achievements in service and scholarship. John has participated in environmental science and ecology research since he was a first-year undergraduate student. He has made important contributions in the study of the aquatic fates of a group of phytoestrogens and has been diligent in developing methods to track pyrethroid pesticides in the Duwamish River estuary, a Superfund site in Seattle. In addition to acquiring and analyzing complex data, John has been invaluable in training new undergraduate students as they initiate their research projects.

Doug Latch
Assistant Professor of Chemistry

Brett Joel Bevers
Civil and Environmental Engineering
University of Wisconsin - Milwaukee

Brett is an excellent student with a strong interest and ability in the research of bioelectrochemical systems for environmental applications. He has a diverse academic background with his first undergraduate degree in Environmental Biology from UW-Madison and a second undergraduate degree (in progress) in Environmental Engineering at UW-Milwaukee. Brett started work in the lab assisting graduate students in the research of microbial fuel cells. Now he is independently carrying out a project on ammonia removal in bioelectrochemical systems. His project involves two systems, microbial fuel cells and microbial electrolysis cells, and he is investigating the efficiency of ammonia removal from wastewater driving by electricity generation and (possible) ammonia recovery. The success of his project will have important implications to understanding application niches of bioelectrochemical systems in wastewater treatment.

Zhen He
Assistant Professor

HanByul Chang
Chemistry
Gordon College

HanByul has been involved in many different ways in our department. She is actively engaged in green chemistry outreach activities, she is a leader in our student chapter, she is a skilled TA, and she is notably engaged in green chemistry research to explore the use of the tateraamidomacrocyclic ligand (TAML) catalyst as a more environmentally benign oxidation reagent.

Irvin J. Levy
Professor and Chair

Angelica Campos-Cordero
Biology, Chemistry and Environmental Sciences
Inter American University of Puerto Rico - San German Campus

Angelica has been an excellent student while maintaining a heavy class load and working off-campus. Also, Angelica has been very active in our project by giving presentations to schools and helping with demonstrations to the public. Her communication skills and ease of handling students have excelled in those activities. Angelica carried on research during the summer, which was presented in the ACS National Meeting in New Orleans. Now, she is in a project evaluating the effect of emergent contaminants in Artemia populations. Because of her performance and dedication, we nominate Angelica Campos to be recognized with the ENVR Undergraduate Student Award.

Angela Gonzalez
Associate Professor and
Department Chair, Chemistry

Aaron Givens
Chemistry
Wesley College

Aaron excelled academically and completed two undergraduate chemistry research projects under my direction. The first project analyzed the mechanism of reaction of common precursors used in surface coating technology. This research was published in the April 2013 issue of the International Journal of Molecular Sciences. Aaron's second project was to build a database of physicochemical and toxicological properties of common pesticides that are used on farms in Delaware. Aaron's research was supported by the DE-INBRE, the DE-EPSCoR, and the NASA-DE-Space Grant program.

Malcolm J. D'Souza
Professor

Michael Pettit
Chemistry and Biochemistry
James Madison University

Michael has been one of the top students in our environmental chemistry classes, and he conducted extensive field research under the direction of Professor D. Downey. Michael studied the chemical and physical attributes of water in Lake Keokee, Lee County, Virginia and the use of liming to improve water quality in Lake Keokee, a water body that had been severely polluted by acid mine drainage from coal mining.

Richard D. Foust, Jr.
Professor

Bridget Gromek
Chemistry
University of Hartford

Bridget is completing an Honors Thesis in the area of Environment Chemistry and presented her work at the 245th National ACS Meeting as a poster titled "Alternative mechanism for the kinetics of the aqueous formation of N-chloro-N-methylacetamide." Her work involving the kinetics of the reaction of HOCl with N-methylacetamide was exacting and detailed, and presents a unified approach to the determination of the mechanisms of this set of reactions.

Edward T. Gray, Jr.
Professor

Corey Luth
Environmental Engineering
University of California, Riverside

Corey has become an integral part of the experimentation led by one of my PhD students, Jake Lanphere, investigating the fate and transport of various engineered nanomaterials released into aquatic environments. He has demonstrated extraordinary independence and capacity for high quality laboratory science. He quickly transitioned from being a new "helper" into an independent scholar, taking ownership of his experiments from the point of planning, conducting, evaluating, and submitting his data to Jake in a highly organized form on a weekly basis. Corey has shown himself to be dedicated, trustworthy, and willing to go the extra mile working evenings and weekends. He has also demonstrated his ability to understand complex theories with which even graduate students often struggle. Corey performed extensive particle characterization and assisted in conducting transport studies. Hence, Corey was the second author on a paper that was recently accepted for publication (Lanphere, J.; Luth, C.; Walker, S. Effects of Solution Chemistry on the Fate and Transport of Graphene Oxide in Saturated Porous Media. Environmental Science & Technology).

Sharon L. Walker
Associate Professor and John Babbage Chair

Samuel Jensen
Chemistry
University of St. Thomas

Sam is a senior Biochemistry major who has been performing research in the labs of Kris Wammer (Chemistry) and Dalma Martinovic-Weigelt (Biology) since summer 2010. Sam's research has focused on the environmental photochemistry of UV filter compounds. In particular, he has worked on identification of UV filter transformation products, in addition to assessment of the estrogenic and androgenic activity of these products. Sam is being nominated for this award due to his excellent work in the classroom and in the lab throughout his undergraduate career.

Kris Wammer
Associate Professor

Kelly Landry
Environmental Engineering Services
University of Florida

Kelly will graduate summa cum laude from the University of Florida in May 2013 with her B.S. degree in Environmental Engineering. Kelly has been active as an undergraduate researcher investigating the separation of pharmaceuticals from nutrients in urine using ion-exchange. Kelly's research on ion-exchange treatment of urine won the Best Undergraduate Research Paper award for the 2012/2013 University Scholars Program at UF. Kelly will begin graduate study in the Environmental Engineering Sciences PhD program at UF next fall.

Treavor Boyer
Assistant Professor

Jacob Linkugel
School of Energy, Environmental, Biological
and Medial Engineering, Chemical Engineering
University of Cincinnati

In addition to being a full-time undergraduate student, Jacob is spending significant time in Dr. Dionysiou's laboratory conducting research on a project focused on environmental nanotechnology. Jacob is conducting research on the development of nanostructured, magnetic, TiO₂-based photocatalysts for the removal of contaminants of emerging concern, including cyanobacterial toxins and pharmaceuticals, in sources of drinking water supplies. Additionally he is investigating the role of formulation parameters of sol-gel methods for the synthesis of solar/visible light-activated, sulfur-doped TiO₂ for water purification. Jacob displays enormous enthusiasm in learning and understanding the fundamental aspects of the project. Therefore, Jacob is nominated for this award for his dedication to conducting research in the fields of environmental chemistry and environmental nanotechnology, and in particular for his commitment to developing new water purification technologies that are sustainable and efficient.

Dionysios D. Dionysiou
Professor of Environmental Engineering and Science
Drinking Water, Water Supply, Quality and Treatment
and Nanotechnology Laboratories,
SEEBME Environmental Engineering and Science Program.

Lydia Niemi
Chemistry
The College of Wooster

Lydia is graduating this spring with a Chemistry degree and has conducted research the field of environmental analytical chemistry. At Wooster every student must complete an Independent Study (I.S.) project, a yearlong endeavor where each student works one-on-one with a faculty member on an original scholarly project. Lydia's I.S. project focuses on developing methods to quantitatively measure a suite of antidepressant pharmaceuticals, common environmental contaminants, in biosolids and biosolid-amended soils. After developing and validating her method, Lydia applied her method to measure antidepressants in the biosolids collected from a local wastewater treatment plant. Lydia has excelled with her I.S. research project, and her data set lays the foundation for further studies to

investigate the potential bioaccumulation of antidepressants in terrestrial food webs. Lydia was been accepted into the Environmental Analytical Chemistry graduate program at the University of Aberdeen (Scotland) and will begin her studies this fall.

Melissa M. Schultz
Associate Professor of Chemistry

Johannes Olind

Geography and Environmental Engineering
United States Military Academy

Johannes is highly recommended for his work on the speciation of lead and phosphate on the surface of Polonite. Polonite is a mineral based sorbent that has been developed to remove phosphate from wastewater. Using self-directed learning and direction provided by Dr. Dawn Riegner (Dept. of Chemistry and Life Science), Johannes employed the following techniques in his research: X-Ray Diffraction (XRD); Matrix Assisted Laser Desorption Ionization - Time of Flight Mass Spectrometry (MALDI-TOF); Scanning Electron microscopy (SEM); and Energy Dispersive X-Ray Spectrometry (EDS). Working over a brief four month period, his research greatly improved our understanding of this complex environmental system. Johannes' accomplishments are noteworthy because he assembled a large data set over a short time even though he has not taken classes on instrumental methods, surface chemistry, nor analytical chemistry. Johannes is an undergraduate in the Environmental Engineering program at the United States Military Academy.

Michael Butkus
Professor

Colin O'Sullivan

Chemical and Biochemical Engineering
University of Iowa

Colin is currently a senior in the Chemical and Biochemical Engineering program and has been working in the Environmental Engineering and Science laboratories for two years. He is a non-traditional student: He had already completed a BS degree in Chemistry from Morningside College and worked for several years before deciding to return to school for a degree in chemical engineering. He has worked in the Hornbuckle research group since then and for most of this time was directly supervised by Dr. Andres Martinez, an adjunct assistant professor in our department. Colin is an active participant in the Hornbuckle laboratory group and provides unusually strong leadership, particular in laboratory and experimental work. Colin is an excellent research assistant and is one of the most enthusiastic and determined members of my laboratory group among undergraduates, graduate students, post-docs research scientists and other collaborators. He has excellent communication skills and strong motivation to learn. His work has focused on the role of black carbon in the partitioning of organic contaminants in industrial sediments and soils. He is contributing to our research efforts at a very high level and is a co-author on a recently submitted manuscript regarding the role of black carbon in PCB sequestration and release in contaminated sediments. His work was been reported as first-author at the International Associate for Great Lakes Research (IAGLR) last spring.

Keri C. Hornbuckle
Professor, Civil & Environmental Engineering
and Associate Dean for Academic Programs
College of Engineering

Oscar Peña

Civil and Environmental Engineering
University of Florida

Oscar's research focuses on recovery of nutrients and energy from anaerobically digested swine waste. Specifically, his research investigates: 1) the effect of sodium on ammonia inhibition during thermophilic anaerobic digestion and 2) the effect of organic matter on struvite precipitation. I have been very impressed by Oscar's intellectual curiosity and ability to articulate his research questions and findings. His research on sodium and thermophilic digestion was completely conceived of by Oscar as a way for him to make a novel contribution to our understanding of microbial physiology and how it effects bioreactor operation. A paper on this research was selected as the first place winner

among over 100 student papers presented at the Society of Hispanic Professional Engineers 2012 National Conference in Ft. Worth Texas.

Sarina Ergas
Professor

Courtney Rich

Civil and Environmental Engineering
Colorado School of Mines

Courtney has been engaged in environmental chemistry research related to perfluorochemicals in biosolids-amended soils for three years in my laboratory. In that time, Courtney has become an integral component of the research team, and has contributed to the research endeavor at a level exceeding that of many graduate students. Courtney's contributions have earned her authorship on at least two scientific papers, and she also presented her own research results at a national scientific meeting. Overall, Courtney has gone above and beyond what is expected from undergraduates working in an environmental engineering laboratory, and it is for these efforts that Courtney is being recognized.

Christopher Higgins
Assistant Professor

Olivia Suzanne Taldone

Chemistry
Wake Forest University

Olivia was selected based upon her academic accomplishments and dedication to the study of a broad array of environmental topics and issues. Dr. Abdou Lachgar (her professor in the Chemistry & Physics of the Environment course) noted that "Olivia was by far the most engaged and best performing student that I have had in this class in the past 10 years".

Willie L. Hinze
Professor of Chemistry

John C. Richardson

Chemistry
State University of New York
College of Environmental Science and Forestry

John is an excellent student academically, and he has several noteworthy attributes: He has excellent ideas and is not afraid to argue his point, and he is a careful analyst in the field and in the laboratory. John participated on four research cruises over the past two years onboard the research vessel Hugh Sharp to study the photochemical production and biological loss of carbon monoxide in the Delaware Estuary. He has also conducted summer research as a SUNY ESF Honor's Program intern on the same topic. John's research has been outstanding in every respect, so much so that John will be a co-author on three to four peer-reviewed publications by the time he graduates, and he is expected to be the first author on one of these publications. John has also made poster presentation of his research at two international meetings, and the SOLAS (Surface Ocean Lower Atmosphere Study) Open Science meeting in June 2012 and ASLO (Association for the Sciences of Limnology and Oceanography) Aquatic Science meeting in February 2013. John is one of the best undergraduates that I have had the honor to advise during my 21 years at SUNY.

David J. Kieber
Professor and Associate Chair

Yshua Rodriguez

Physical and Earth Sciences
Jacksonville State University

Yshua is truly a remarkable student. She works full time to supplement her educational and family needs, is a volunteer leader in various organizations in the community, while taking a full class load at Jacksonville State University. She is very enthusiastic, has very high determination to perform, and is very efficient in her work. Yshua has the ability to produce excellent results in record time. She grasps and applies ideas, techniques and procedures rapidly. She worked on a marine biology project for a couple of semesters before joining my group. Yshua worked

diligently and in a couple of months, was able to acquire enough data to present her findings in the spring 2013 ACS National Meeting. She is planning to pursue graduate studies in environmental/biological and marine systems.

Nixon Mwebi
Associate Professor of Chemistry

Joseph Ryan Polli
Biology
East Carolina University

Ryan is a talented, self-motivated and hard-working undergraduate researcher. He has been working on the fate and toxicity of crude oil/dispersant system. He works both intelligently and creatively. As a result, Ryan has co-authored a recent publication in this field and now is preparing for a manuscript in which he will be the primary author. Ryan also has an excellent standing in course work. He is active in many volunteering activities to serve the community.

Xiaoping Pan
Assistant Professor

Susannah Shissler
Chemistry
Tennessee Technological University

Susannah is a junior working on new environmentally friendly solvents for aldol condensation reactions. These solvents based on "deep eutectic" materials offer a new alternative to traditional organic solvents. Deep eutectic solvents can provide an exciting blend of chemical and physical properties, including very low vapor pressure and reduced toxicity. Susannah's enthusiasm for green chemistry has been strengthened by the chance to present her work at ACS conferences.

Andrew Callender
Assistant Professor

Michael Walker
Chemistry
Gustavus Adolphus College

Michael will graduate in 2013 with an ACS Chemistry degree. He has been active in research for the past two years exploring Pb and Pb isotope ratios in sediment cores and in determining binding constants between methylmercury and dissolved organic matter. He has presented his research at numerous Gustavus research forums and at the 2013 Association for the Science of Limnology and Oceanography. He plans to pursue a PhD in Chemistry of Environmental Engineering.

Jeff Jeremiason
Associate Professor

Division of Environmental Chemistry
Certificate of Merit Recipients
245th National Meeting, New Orleans, LA (April 7-11, 2013)

Lisette Aguilar
Alina Mariana Balu
Daniel A. Burgard
Chao Cheng
Stephanie Chinnapongse
David Cohen-Tanugi
Danielle Draper
Bowen Du
Dandan Duan
Theodore Flynn
Antoine Ghauch
Bing Han
Jacob Lanphere
Isabelle Martinuzzi
Janice L. McCann
Kelly McFarlin
Julie Korak
Brittney Mitchell
Tanzina Rahman
Barkley C. Sive
Peter Rudolph Tentscher
Peng Wang
Jin Xuan
Tsung-Ming Yeh

ACS Division of Environmental Chemistry

2013 Recognition of Membership

40 Years of Service

Mr Dennis Joe Burke
Dr Ronald D Clark
Dr Alan William Elzerman
Mr Leslie Grady Jr
Dr John Gregory
Mr Earl Alan Hadfield II
Dr Clarence Lee Haile
Linda Hall
Dr Philip Karl Hopke
Dr Michael C Kavanaugh
Dr David K Lewis
Dr Charles M Maddin
Mr David A Payne

35 Years of Service

Dr Marc Arlen Anderson
Mr Mark Millard Benjamin
Dr John Arthur Cooper
Dr Barbara Dotson Davis
Dr Jurgen Hans Exner
Dr Ulrich Foerstner
Dennis B George
Mr Matthew Ellsworth Hackman
Mr John P Hassett
Dr Nathan Jay Karch
Dr Mohan Khare
Dr Michael G MacNaughton
Dr Edward Michael Perdue
Dr James N Pitts Jr
Dr Philip C Singer
Dr Steven D Stellman
Dr Thomas L Theis
Dr Thomas R Wildeman

30 Years of Service

Dr Richard Wayne Arnseth
Mr D Wayne Berman
Dr Edward John Bouwer
Mr Jerald Alan Cole
Dr Jean Muhlbaier Dasch
Dr Harold Barrett Dellinger
Dr De Lyle Eastwood
Mr David Harvey Ehlfeldt

Mr Brian David Eitzer
Dr Elizabeth Carol Ellis
Dr Mitchell D Erickson
Dr Fred Fehsenfeld
Mr Mark David Feitelson
Dr Allan Mansfield Ford
Dr Andrew Freedman
Dr Mark N Goltz
Mr Edwin P Granberry Jr
Mr Theodore Allen Grauel III
Ms Ruth Ann Hathaway
Dr Richard Carl Honeycutt
Mr Arthur Damian Jung
Dr Michael T Kleinman
Dr Anne L Kruger
Dr Dorothy C Lane
Mr Frederic Clayton Laquer
Mr Robert Morris Mann
Dr William James Mills
Ms Lisa Howland Nowell
Dr Patrick William O'Keefe
Dr James A Rice
Dr Rip G Rice
Mr Carlos E Ruiz
Dr Jerald L Schnoor
Dr Robert Korte Simon
Mr David Glenn Sultana
Mr Stuart Widom

25 Years of Service

Ms Elise Allen
Dr Roger Atkinson
Mr George D Baral
Mr Calvin Andrew Bond
Dr Frank Reber Brown
Dr Ralph Joseph Cardello
Mr Robert R Clark
Dr Patricia V Cline
Dr Jimmy Clyde Cornette
Dr Frank M Dunnivant
Mr Stanley Feenstra
Mr Harold Stanley Freeman
Mr B L Gaddis
Dr Ben Greene
Mr Michael Jude Harrell
Ms Dolores Cas Hayden

Mr Arthur Gatland Hedley
Dr John Hennings
Mr William Howard
Dr Kimitaka Kawamura
Ms Judy S Lakind
Dr David Lipsky
Leopold Liss
Dr Bruce Ernest Logan
Mr Tony Alan Lynn
Mr Konrad E Nottingham
Ms Kathryn Louise Parker
Dr David Harold Petering
Dr John Butler Pickett
Dr Martin Reinhard
Mr Kevin Riskowitz
Dr John Moore Ruth
Mr Virender Kumar Sharma
Mr Saulius Simoliunas
Kathleen Sharon Smith
Dr Gerald E Speitel Jr
Ms Candy Jayne Stock
Ms Tina M Tomaszewski
Dr Geoffrey L Upson
Dr Terry L Wade
Ms Sherri Dawn Waldron
Dr Larry Dale Williams
Mr Jonathan Jay Zieman

20 Years of Service

Dr Matthew L Alexander
Mr Daniel Arnold
Mr William H Batschelet
Dr Marc Fabien Benedetti
Mr Paul Bergstrom
Dr Elliot Berman
Ms Lisa Marie Berry
Mr Steve Carlston
Dr Elizabeth Carraway
Dr Jon D Chorover
Dr William T Cooper
Dr James L Cronin
Ms Divinagracia C Duerme
Mr Jan W Dunker
Mr David Dybell
Dr Ummond Earley
Dr Andrew Drake Eaton

20 Years of Service (cont.)

Dr Sylvia Rygiel Esjornson
 Dr Michele Flicker
 Ms Catherine Janis Fortin
 Dr Jim Freihaut
 Mr Robert A Fuhrer
 Dr Mark Fuhrmann
 Dr Edward T Furlong
 Mr John Gorman
 Mr James D Hadley
 Mr Randolph Haviland
 Mr Richard B Hawkins
 Dr Elizabeth Anne Henry
 Ms Britt Holmen
 Ms Chandrakala Jenkins
 Dr Toshiyuki Katagi
 Dr Arata Katayama
 Ms Patricia Kosian
 Mr Jordan L Kovitz
 Dr David Laird
 Mr Eric G Lappala
 Dr Linda S Lee
 Dr Michael Donald Lee
 Dr Barbara-Ann G Lewis
 Ms Angela S Lindner
 Dr Jon Manchester
 Dr Roger McClellan
 Mr John K McGee
 Mr Michael Terry Meyer
 Dr Andrzej W Miziolek
 Mr Mark Allen Nanny
 Ms Lynn E Niles Arabia
 Ms Myounghee Noh
 Dr Brian Hoyt Nordstrom
 Ms Marybeth Norgren
 Mr Joseph Anthony Obrien
 Mr Mitchio Okumura
 Mr David J Olsen
 Mr Jac Padgett
 Mr Michael Paulucci
 Mr Kurt Davis Pennell
 Dr Catherine Anne Peters
 Mr Steve Reimer
 Dr A Lynn Roberts
 Ms Colleen E Rostad
 Ms Carolyn Sampson
 Mr John Schaefer

Ms Pamela Beth Schultz
 Dr Lewis Semprini
 Mr Mark B Shanis
 Mr Damian Shea
 Dr Staci L Simonich
 Dr Charles A Staples
 Mr William A Telliard
 Prof John W Thoman Jr
 Mr Karluss Thomas
 Ms Patricia Toccalino
 Mr Kevin Walls
 Dr Peter M Walsh
 Mr Mark Alan Westra
 Dr Erich Wieland
 Dr Marek A Wojtowicz
 Mr Charles Shiu Wong
 Dr Thomas M Young
 Ms Kathryn Zahirsky
 Mr Thomas G Zitrides

15 Years of Service

Ms Yuki Aochi
 Dr Mohammad A Baaheth
 Mr Michael J Barden
 Ms Sylvia Ellen Barrett
 Mr Washington Braida
 Dr Yong Cai
 Prof Thomas Girard Chasteen
 Mr John Christ
 Dr Michael J Connolly
 Ms Kathleen M Creegan
 Dr David O Dehaan
 Dr Franklin Lewis Dorman
 Ms Donna L Drogos
 Dr Douglas T Durig
 Mr Mark A Engen
 Dr Miranda Susan Fram
 Mr John David Frazier
 Dr Duane Allan Friesen
 Dr Kazuo Fukushima
 Dr William G Hagar III
 Dr Raouf V Iskandar
 Ms Ellen Ivens
 Mr Robert O Kenworthy
 Dr Barbara K Kramer
 Mr Mark S Kromis
 Mr Joseph John Kubale

Mr Paul Kuzmicky
 Dr Doris Ingram Lewis
 Mr Hsing L Lien
 Dr Robert L Lipnick
 Dr Greg Lowry
 Ms Elizabeth G Malcolm
 Mr Andrew Meadows
 Mr Gregg Micalizio
 Dr Antonio H Miguel
 Dr James L Myers
 Mr James J Pagano
 Mr Theodore A Pilas
 Dr Pamela J Rice
 Ms Patricia J Rice
 Dr Bruce E Rittmann
 Dr Martin Scheringer
 Mr George Sennefelder
 Dr Charles M Sharpless
 Ms Sharon Shelton
 Dr Mary Jane Shultz
 Dr Raymond Siegenger
 Dr Davis L Taggart
 Ms Denise Taylor
 Mr Richard J Tobia
 Mr Bruce Emil Torkelson
 Mr Brett Vanderford
 Mr Joseph Villa
 Mr Mario Villalobos
 Mr Ignacio Villanueva
 Mr Ronald Warila
 Ms Linda Weavers
 Ms Claudia Wheeler
 Dr Emily M White
 Ms Tracy C Williamson
 Dr Charles Jon Wurrey
 Dr Lily Y Young
 Mr Guy Edward Zandbergen
 Dr Jianzhong Steve Zheng

10 Years of Service

Dr Spyridon Nicholas Agathos
 Ms Joy E Alfano
 Dr Maria G Antoniou
 Dr M A Armienta
 Dr Jacqueline Arroyo
 Dr Tilman W Beutel
 Dr Justin E Birdwell

10 Years of Service (cont.)

Dr Julian Blasco
 Dr Rudy Bonaparte
 Ms Adriane P Borgias
 Dr Donatella Botta
 Dr Roman Brukh
 Mr Marcelo Silveira-Campos
 Dr Jerome B Carr
 Ms Inga Carus
 Mr Arnab Chakrabarti
 Dr Pierre Chantal
 Dr Jiann Long Chen
 Mr Yu-Jen Chung
 Mr Andres F Clarens
 Dr Mark D Cohen
 Dr Juan C Colberg
 Dr John P Connolly
 Ms Carolina Contreras
 Ms Denise L Creech
 Dr Edmund Crouch
 Ms Kathleen Crowley
 Ms Phuong K Dang
 Dr Ramon S Del Fierro
 Dr Michael C Dodd
 Mr Dan Dolk
 Dr D James Donaldson
 Mr J E Drewes
 Mr Steve Dunn
 Dr S O Fakayode
 Mr Kevin C Feeley
 Ms Yucheng Feng
 Ms Angela D Follett
 Mr Victor J Freihofer
 Mr William D Gaherty
 Ms Terri L Garcia
 Mr Irma Gavilan
 Dr Janis V Giga
 Dr Patrick R Gorski
 Dr Amanda M Grannas
 Mr Doug Grant
 Dr Gary S Groenewold
 Ms Margarita E Gutierrez Ruiz
 Mr Craig S Harris
 Dr Stephen R Houghton
 Mr Matthew Hull
 Dr Aldo Imerito
 Ms Hiroko Ishijima

Mr Jack James
 Dr Anne Marie Johansen
 Mr David K Johnson
 Mr Joseph Thomas Khoury
 Mr Lawrence Kilham
 Dr Kenneth John Klabunde
 Mr Peter M Krasnoff
 Dr Dennis D Lane
 Mr Ronald F Laurence
 Dr Allan H Legge
 Dr Stephen A Leharne
 Dr Bernard M Lichstein
 Dr Yu-Ming Lin
 Ms Ami Lis
 Ms Kimberly A Lucas
 Mr John K MacFarlane
 Mr Charles L Martel
 Mr Ken P McDonald
 Mr Steve McDonald
 Mr Harold Messenger
 Dr Keith Edward Miller
 Dr Mehran Monabbati
 Mr Steven Morger
 Dr Brian L Murphy
 Dr My-Linh Nguyen
 Dr Robert Y Ning
 Prof Alexander Orlov
 Dr Oscar C Pancorbo
 Dr Gene F Parkin
 Dr Robert W Peters
 Ms Marianna Plastourgou
 Dr Thomas Poiger
 Mr Steven J Prazak
 Toby K Primbs
 Mr Peter T Quinlan
 Mr Ken Raven
 Dr John Steven Reckley
 Mr H James Reisinger
 Mr Matthew D Reynolds
 Dr Mercedes A Rivero Hudec
 Dr Ralph Roper Jr
 Dr Fernando L Rosario
 Dr Amitava Roy
 Mr Kennedy Rubert IV
 Dr Elvira S Santos
 Dr Melissa M Schultz
 Mr Sukalyan Sengupta
 Dr Earl E Shannon

Ms Karen Shinn
 Dr John D Sivey
 Dr William R Smith
 Mr Michael W Steevens
 Ms Stephanie Ann Stehling
 Dr Mark E Stone
 Dr Makram T Suidan
 Mr John E Syslo
 Mr Akio Usuda
 Dr Marialuisa Volta
 Mr Richard Wales
 Dr Robert Donald Wauchope
 Dr Krista Wigginton
 Dr Larry Williams
 Mr Quanfang Ye
 Mr Kevin Yue

5 Years of Service

Ms Susan F Alderson
 Mr Kai Ming Allen
 Dr James E Amonette
 Dr Euan J Bain
 Dr Sheryl Denise Baldwin
 Dr Karlheinz Ballschmiter
 Dr Zsuzsanna Balogh-Brunstad
 Prof Omolara Bamgboye
 Mr Robert E Benz
 Mr Mark Eric Bier
 Mr David I Blaushild
 Mr Scott W Blue
 Mr Stephen B Boateng
 Mr Richard Edwin Boice
 Dr Daniel Bon
 Ms Jessica Boyd
 Ms Debbie Brennan
 Ms Tiffany Brewer
 Mr Mike Allan Brinster
 Dr Ronald L Brockbank
 Mr Edmund A Buc
 Ms Nancy Lynn Burgeson
 Prof Enrique A M Calderon
 Ms Ingrid Carlberg
 Ms Nadia Carmosini
 Mr Ray E Carter
 Ms Bethany P Case
 Ms Kathryn C Chang
 Jing Chao

5 Years of Service (cont.)

Prof Graciela Chichilnisky	Dr Stefanie Hellweg	Mr Afshin Matin
Mr James V Cizdziel	Ms Laura Hennen	Mr Marc Mayzes
Mr Thomas S Collins	Dr Jens Hjorth	Ms Julie Rebecca McGettrick
Mr Benjamin Cowie	Dr David Y F Ho	Mr Ian McMullen
Prof Carlo Crescenzi	Mr Steve V Holmes	Dr Igor O Melnikov
Dr Joel Evan Creswell	Mr Charles Michael Hughes	Dr Frank B Meserole
Mr Tom Crosby	Dr Anastasia Ilgen	Mr Jason Brook Miller
Ms Jennifer Marie Croskrey	Mr Frank Imperatore	Mr John Stanley Morton
Mr James G Demsky	Ms Seva Iwinski	Dr Terrance Bruce Murphy
Ms Elizabeth Denly	Dr Bruce R James	Denice Nelson
Dr Dickson D Despommier	Dr Elena Jimenez	Mr Eric Daniel Nelson
Mr Andrew J Dinsmore	Dr C Annette Johnson	Dr Junfeng Niu
Ms Catherine S DiPietro	Dr Lyle Johnson	Ms Simone E Novaes-Card
Dr Bruce William Dockum	Dr Matthew S Johnson	Mr John J Oberer
Mr Owen Duckworth	Mr Stephen A Johnson	Mr Steve M Ogle
Ms Leslie J Eckert	Dr Yutaka Kaimeda	Dr Modupe Ogunlesi
Dr Robert Edstrom	Dr Takao Katase	Ms Sharon O'Neal
Dr Hazem ElZanan	Prof Arturo Alejandro Keller	Mr Bill M Orrick
Ms Sandra Embry	Mr Jason Kiely	Dr Enrique Ortiz
Dr Jan Philip Eubeler	Dr Hwidong Kim	Dr Hans D Osthoff
Ms Marianne P Evangelista	Mr James Kissel	Ms Marcia J Pack
Dr Mary Morrison Exner	Dr James D Knauss	Dr Vasanta Lakshmi Pallem
Dr Luigi Falletti	Dr John S Kovach	Mr Rod Parker
Dr Loretta Fernandez	Dr Erik T Krogh	Dr Don-Roger Parkinson
Dr Peter A Fields	Dr Grigorios L Kyriakopoulos	Dr Rajkishore Patel
Dr Rebeka Fisseha Derseh	Mr Robert M Lang	Dr James Payne
Dr Deborah X Flores-Cervantes	Mr Carlos Tomas Lanza-Saez	Dr Kevin E Percy
Dr Denis Lee Foerst	Dr Richard Lawuyi	Dr Adam Peters
Ms Christina R Forbes	Dr Laurence A Le Coq	Ms Desiree L Plata
Ms Shari A Franjevic	Dr Wen-Yee Lee	Mr Derek J Price
Dr Pascal Froidevaux	Mr Daniel S Lent	Shen Qu
Dr Kiyoshi Fuda	Xu Li	Dr Tyler S Radniecki
Mr Hugh Futrell	Dr Gianluca Li Puma	Ms Behnaz Razavi
Dr Donald S Gamble	Miss Melita F Lihzis	Mr Michael Rechten
Mr James C Gerrior	Mr Jason C Low	Dr Brian T Redmond
Ms Hilary Arnold Godwin	Mr Maxwell R Lucci	Dr Brandi K Reese
Ms Sheila W Godwin	Ms Patricia Ludewig	Jamie T Reider
Mr Stefan Goralczyk	Ms Delvia Lukito	Mr Robert Mark Reynolds
Dr Sherwin J Gormly	Ms Rachel Lundeen	Ms Carole Robbins
Mr Leslaw Gorniak	Mr Seth N Lyman	Ms Lisa Robinson
Mr David R Griffith	Ms Danya Machnes	Dr Marin Robinson
Dr Joan O Grimalt	Sri Bharat Madireddy	Mr Philip A Russell
Mr Leonardo A Gutierrez	Ms Cynthia Maguire	Prof Giora Rytwo
Dr M Jawed Hameedi	Mr Phillip R Maloney	Prof Takumi Saito
Dr Colleen M Hansel	Mr Ryan Gerard Manning	Subajinie Sathiyavanthan
Dr Andrew Hayhurst	Ms Ruth M Marfil-Vega	Dr Ronald J Scheidelman
	Mr Swete Mark	Ms Anna M Schorr
	Mr John T Maslak Jr	Mr Jeremy S Schweitzer

Ms Maureen Alexa Sherer
Ms Pamela J Shlachtman
Danmeng Shuai
Ms Rita M Silbernagel
Ms Myrna J Simpson
Dr Joanna M Skluzacek
Ms Trina L Spangle
Dr Eric T Steimle
Mr Raymond C Stenger
Ms Karen A Stiehr
Ms Calla Suen
Ms Teodora R Tabuena-Salyers
Mr William E Toffey
Dr John Toll
Dr Brandy Marie Toner
Dr David J Tonjes
Dr Daniel Tsang
Merle A Unkrich
Dr Sascha Usenko
Dr Peter C. Van Metre
Dr Jesus B Velazquez Fernandez
Ms Priscilla Z Viana
Mr Vir Vikram
Dr Frank Von Der Kammer
Ms Patricia Walters
Dr Michael Webber
Dr Andrew J Whelton
Mr William D Whitaker
Mr Timothy C Wolfson
Ms Sarah A Yando
Mr Jay F Young
Dr Megan Barbara Young
Dr Baoquan Zhang
Prof Pengyi Zhang
Dr Joe R Zhao

2013 DIVISION ELECTION RESULTS
Division of Environmental Chemistry

1. Chair-Elect (2014-2015) – Vote for one (1)

GEORGE COBB

2. Treasurer (2014-2015) – Vote for one (1)

XIAOPING PAN

3. Secretary (2014-2015) – Vote for one (1)

ADITYA (ASHI) SAVARA

4. Councilor (2014-2016) – Vote for one (1)

JURGEN H. EXNER

5. Alternate Councilor (2014-2016) – Vote for one (1)

DIONYSIOS D. DIONYSIOU

6. Members-at-Large (2014) – Vote for four (4)

ALLAN M. FORD

EDWARD P. KOLODZIEJ

ALEXANDER ORLOV

TIMOTHY STRATHMANN

Certified by ENVR Secretary:

Dr. Aditya (Ashi) Savara
Surface Chemistry and Catalysis
Oak Ridge National Laboratory
Bldg 4100, MS 6201, RM A205
Ph: 865-576-6311
savaraa@ornl.gov

Exhibit III.A.2

Interim Action #1: Authorization of New Orleans Expenses. During April 2013, Ruth Hathaway reported that two sessions at the 245th national meeting went over budget on expenditures (primarily refreshments), and requested that the authorized expenses for these sessions be increased to cover these expenses.

(April 30) Motion to revise the authorized expenditures for sessions ENVR018 and ENVR020 at 245th national meeting, with new values of \$1,386.00 and \$1,185 respectively. Thus increasing the budgeted amount for the 245th national meeting by \$1,271.

Note: it is anticipated that we will still be below the original budgeted amount for total expenses of the 245th national meeting.

Moved: George Cobb

Second: Tracy Williamson

Motion Approved

Interim Action #2: Use of Residual Funds. A frequent ENVR organizer had previously obtained \$3000 of external funding for ENVR co-sponsored symposia at the IUPAC Symposia in Puerto Rico during 2011. These funds were transferred to ENVR accounts, but these funds were not all used for the IUPAC session due to an illness. Approximately \$2000 still remain unallocated. The funds for Indianapolis can be requested through normal support for international speakers. The international activities committee (including programming chairs) are requesting approval of an extra \$1000 now to allow the organizer to plan his speaker support for the ENVR session to be held in Indianapolis this fall.

(May 27) Motion Allocation of \$3000 to the international affairs committee to support one additional speaker (\$1000) to attend IUPAC in Istanbul, and two international speakers (\$2000) to provide presentations in ENVR Symposia at the ACS National meeting in Indianapolis, with 2013 budget revised accordingly.

Moved: Aditya Savara

Second: George Cobb

Motion Approved 10 - 3

ACS *envr*

ACS Division of Environmental Chemistry



ACS Division of Environmental Chemistry

ENVR Business Office

210 Cypress Court
Woodway, TX 76712 USA
806-781-1513 fax: 254-751-9138
Email: division@acsenvr.com
Website: www.acsenvr.com

TREASURER'S REPORT
Division of Environmental Chemistry
Indianapolis National Meeting
September 2013

Overview

The checking balances as of 1 August totalled \$51,691 (\$12,854+\$40,837). With \$9,997 in outstanding expenses, this balance is sufficient to cover all on-site Expenses for this meeting (accounting that most of councilor travel is reimbursed by ACS) and for operational costs of the division for the balance of 2013. Dues, meeting allocations, the annual Hancock donation and Royalties will accrue to ENVR during this interval as well. If the past patterns hold true, this amount will be approximately \$30,000. This should be our approximate carry forward balance entering 2014. It is prudent to carry this balance rather than transferring it to investments given the anticipated costs of ENVR's Centennial activities. Details are in the accompanying expense ledger.

Income (\$91,217)

The Majority of ENVR revenue was from dues ~\$50,600, with \$27,000 coming from meeting and other allotments, and smaller amounts coming from travel reimbursements, royalties and general contributions/sponsorships. This income represents 69% of our projected income for 2013. With the \$30,000 projected income during the remainder of the year, we will exceed 93% of projected income.

Expenses (\$67,671)

Major expenses include ~\$12,000 for operation of the business office, an equivalent sum for conference support (including councilor travel), and a slightly smaller amount, ~11,000 for National Meeting programming .and \$9,500 for social activities (GSPD reception, Division Reception, and Speaker lunch) at conferences and the New Orleans National meeting. These expenses represents 52% of our annual budget, and with projected National meeting, conference support, business office and award expenses, ENVR should expend 80-85% of funds budgeted for 2013

Transfers (only among checking accounts)

Summary

ENVR remains in a strong financial position. Although we are over budgeting both revenue and expenses, the net financial activities within ENVR are still revenue positive by~10%. It is anticipated that this will reverse in Calendar 2014 with the added expenses from Centennial Activities.

ACS Division of Environmental Chemistry -- Business Office Report

September 2013

ENVR Executive Committee,

New Orleans was a very energetic meeting. Our ACS liaison was able to place the ENVR Welcome Table in a central, visible location from where we greeted more people than usual. Several volunteers filled out cards. The table quickly became the place for networking and informal discussions. Many thanks to the volunteers who manned the table throughout the week. Their help allowed me to personally greet each organizing team, participate in planning meetings for the Centennial, attend the Division Officers' and Councilors' Caucus, and meet with ACS Books representatives.

I received many positive comments from attendees at the ENVR reception in New Orleans, including *ES&T* editors. *ES&T* contributed \$1000 toward the reception and brought 20 editors/guests. Matt Hotze, *ES&T* managing editor, is enthusiastic about continuing this relationship with the division. A total of 178 people attended (96 pre-sold tickets, 20 *ES&T* tickets, and 62 tickets sold at the desk or gate) and there was a net cost to the division of \$7600 for the reception. To increase younger chemist involvement, we are putting reception invitation stickers on the certificate packets distributed at the CHED Undergrad Poster session.

On Thursday morning, the hotel experienced a power outage lasting nearly 2 hours. ACS and hotel staff moved quickly to accommodate our technical sessions. Organizers were given the option of relocating at the convention center across the street and one session was relocated. The other organizers chose to continue in the hotel. In rooms dimly lit by generators, presenters continued without the benefit of microphones, while everyone huddled around laptop screens like campfires. I was inspired by the discovery that nothing can stop the advancement of environmental science!

Indianapolis meeting

ENVR will run 4 concurrent sessions Sunday morning through Thursday morning.

The ENVR Organizers' Lunch will be held at Harry & Izzy's – Downtown, 153 S. Illinois St., Indianapolis, IN (2 blocks N. of Crowne Plaza), at **12:00 on Monday, September 9, 2013**. Feel free to join us. An invitation was extended to symposium organizers for the New Orleans, Indianapolis and Dallas meetings. We expect 25-30 organizers to attend. Bob Hauserman and Tim Marney may join us to promote and explain the ACS symposium series book publication process. Thank you for funding this important networking opportunity for our symposium organizers.

The ENVR Dinner and Social will be at Shula's Steakhouse, **6:30-9:00 pm on Tuesday, September 10, 2013**. We have arranged for a maximum of 50 guests and estimated net cost to the division of \$2000.

2014 Meetings – Centennial

Plans are underway for receptions at both the 2014 meetings in order for more member interaction during the centennial. C.E. Gonter awards will be presented at the fall reception (in lieu of dinner). I propose inviting V.I.P.s (past ENVR award winners and executive committee members who are still ENVR members) to the receptions. I will continue to assist the Centennial Committee with preparations for publicity, programming and social events.

Dallas will be a smaller meeting (14 symposia), but at least 15 symposia are already planned for San Francisco.

ACS Books

Several years ago, ENVR designated ACS Books as having the 'first right of refusal' for all ENVR symposia publications. Before each meeting, we require symposium organizers to sign an agreement that states in part: "I agree to give ACS first right of refusal to publish any book that results from this symposium." Through discussions with ACS Books representatives, I have learned that right-of-first-refusal clauses are no longer the norm in the publishing industry, nor are they used by ACS Books. Requiring organizers to use ACS Books is not economically or practically enforceable in today's business environment. Therefore, I propose either deleting the statement altogether or replacing it with: "The Division encourages organizers to use ACS Books for publication of all ENVR symposium proceedings, based on the fact that ACS provides all financial and logistical support for our symposia and therefore deserves to be involved in symposia publication."

Member Communications

We continue to use the ACS email-blast service for distributing *envirofACS* and other notices to members. Jillian Goldfarb may be able to send mass emails for the division in the future.

Website/Awards

I worked with Ashi to streamline presentation of information for awards and national meetings. The changes will make web postings easier and quicker.

Each year, the division sends certificates of appreciation to members with 5,10,15....40 years of service with the division. In the past, we have calculated years of service using data in the e-roster, which does not take into account breaks in service. I have discovered that ACS can provide more accurately calculated years of service for each member. We should consider implications before changing methods of calculation.

New Abstract Submission System

PACS will be replaced in time for the 2015 national meetings. ACS has narrowed the selection down to two possible vendors. I participated in testing and commented on one system that seemed like an improvement over PACS. I did not have time to participate in testing the second system.

Elections

We implemented the new electronic balloting this year, which reduced my involvement in the election to only a few hours and greatly reduced the election cost. Using the new hybrid (electronic/mail) system, about 150 ballots needed to be mailed to members at an approximate postage cost of \$100.

Operations Manual

Operations manual updates may be delayed to devote time needed for centennial planning.

Peney Patton
Business Office Manager
ACS Division of Environmental Chemistry
August 20, 2013

246th ACS National Meeting & Exposition

Indianapolis, IN – September 8-12, 2013

Division of Environmental Chemistry
Dionysios D. Dionysiou, Program Chair

ENVR SOCIAL & NON-TECHNICAL EVENTS	S	M	T	W	T
Program Planning Committee Meeting Southern Rm, Crowne Plaza at Union Station	1:00–2:00 pm				
Long Range Planning Committee Meeting Southern Rm, Crowne Plaza at Union Station	2:00–3:00 pm				
Open Business Meeting Edison South Rm, Crowne Plaza at Union Station	7:00–7:30 pm				
Executive Committee Meeting Edison South Rm, Crowne Plaza at Union Station	7:30–10:00 pm				
Symposium Organizers' Lunch Harry & Izzy's Downtown, 153 S. Illinois Ave.		12:00–1:30 pm			
Dinner & Social (Tickets required) Shula's Steak House, 50 S. Capitol Ave., Indianapolis			6:30–9:00 pm		
ENVR TECHNICAL PROGRAM	S	M	T	W	T
Biogeochemical Interactions Affecting Bioavailability and Remediation of Hazardous Substances in the Environment (Cosponsored by GEOC; financially supported by NIEHS) Organizers: H. Henry, M. Maddaloni, J. Chorover Penn Station B, Crowne Plaza at Union Station	D	A		E	
Distribution and Fate of Emerging Contaminants in Hydrologic Systems of the Built Environment (Cosponsored by CEI) Organizers: A. MacKay, Y.P. Chin Penn Station A, Crowne Plaza at Union Station	D			E	
Environmental Fate and Reactivity of Highly Condensed Aromatic Carbon (Cosponsored by GEOC) Organizers: T. Filley, C. Jafvert, C. Johnston Victoria Station D, Crowne Plaza at Union Station	D			E	
Chemistry and Application of Green Catalysts for Energy Transformation and Emission Control (Cosponsored by CEI, ENFL) Organizers: V. Sharma, S.M. Chang, R.A. Doong Penn Station C, Crowne Plaza at Union Station	P			E	
Green Chemistry and the Environment (Cosponsored by CEI, GCI) Organizers: R. Luque, S. Obare Penn Station C, Crowne Plaza at Union Station		D		E	
Heterogeneous Catalysis for Environmental and Energy Applications (Cosponsored by CATL, ENFL) Organizers: A. Orlov, M. Castaldi Victoria Station D, Crowne Plaza at Union Station		D		E	
Predicting Molecular Properties of Environmental Contaminants: Empirical and Theoretical Methods (Cosponsored by AGRO, COMP) Organizers: P. Tratnyek, K. Fenner, D. Ditoro, E. Weber Penn Station A, Crowne Plaza at Union Station		D	A	E	
Air Monitoring (Cosponsored by AGRO, ANYL, CHAS) Organizer: J. Maclachlan Penn Station B, Crowne Plaza at Union Station		P		E	
Sci-Mix Halls F&G, Indiana Convention Center		E			
Advances in Understanding the Aquatic Fate of Metals: Nanomaterials and Natural Organic Materials. Organizer: E. Carraway Penn Station C, Crowne Plaza at Union Station			A		
Environmental Impacts of Electronic Technologies, Products and Processes: The Search for Sustainable Electronics (Cosponsored by CEI) Organizers: E. Sahle-Demessie, S.J. Lee Penn Station B, Crowne Plaza at Union Station			D	E	

Water: Global Problems, Local Solutions (Cosponsored by AGRO, CEI, IAC; Financially supported by ACS Global Innovation Imperatives) <i>Organizers: I. Urasa, A. Rimando, E. Contis</i> Penn Station D, Crowne Plaza at Union Station			D		
C. Ellen Gonter Environmental Chemistry Award Symposium. <i>Organizer: T. Anderson</i> Penn Station C, Crowne Plaza at Union Station			P		
Status and Trends of Classical and Emerging Contaminants Across the World (Cosponsored by AGRO, CEI; financially supported by: ACS Global Innovation Imperatives) <i>Organizers: K. Hristovski, S. Ahuja, N. Savage, B. Loganathan</i> Penn Station A, Crowne Plaza at Union Station			P	E	
Environmental Implications and Effects of Unconventional Gas Development (Cosponsored by GEOC) <i>Organizers: J. Vanbriesen, K. Gregory</i> Penn Station B/C, Crowne Plaza at Union Station				AE	
Fate and Toxicology of Emerging Environmental Contaminants (Cosponsored by: AGRO) <i>Organizers: X. Pan, S. Uchimiya, B. Zhang</i> Victoria Station D, Crowne Plaza at Union Station				DE	A
Materials-Based Technologies for Water and Energy Sustainability: Research Frontiers and Practical Challenges to Adoption (Cosponsored by AEESP, CEI, ENFL) <i>Organizers: T. Strathmann, D. Cwiertny, C. Na, M. Kumar</i> Penn Station A, Crowne Plaza at Union Station				DE	A
Membranes for Water Purification (Cosponsored by POLY) <i>Organizers: K. Jones, D. Jassby, B. Mi</i> Penn Station B, Crowne Plaza at Union Station				DE	
Environmental Electrochemistry: Principals and Applications. <i>Organizers: C.P. Huang, G.H. Chen, K. Nakata, J.H. Qu, S.C. Yen</i> Penn Station C, Crowne Plaza at Union Station				PE	
Fate of Environmental Pollutants in Biogeochemical Interfaces (Cosponsored by GEOC) <i>Organizers: W. Lee, S. Han</i> Penn Station B, Crowne Plaza at Union Station				E	A
General Posters. <i>Organizer: D. Dionysiou</i> Halls F&G, Indiana Convention Center				E	
Co-sponsored Symposia:					
ADME: The Motion of Veterinary Drugs and Xenobiotics (AGRO; cosponsored by ENVR, AGFD) <i>Organizers: Teresa Wehner, Sara Lupton</i> B&O, Crowne Plaza at Union Station	P				
Air Quality at the Interface of Megacities and Agricultural Areas (AGRO; cosponsored by ENVR, CEI; financially supported by SETAC) <i>Organizers: Elin Ulrich, George Cobb, Laura McConnell, Peter Green, Sasha Madronich</i> Milwaukee, Crowne Plaza at Union Station					D
Environmental Fate, Transport, and Modeling of Agriculturally-Related Chemicals (AGRO; cosponsored by ENVR) <i>Organizers: Natalia Peranginangin, Scott Jackson, Thomas Potter</i> Milwaukee, Crowne Plaza at Union Station		D			
High-Throughput Pesticide Residue Analysis (AGRO; cosponsored by ENVR, ANYL; financially supported by Monsanto) <i>Organizers: Leah Riter, Manasi Saha</i> B&O, Crowne Plaza at Union Station			A		
Uptake, Translocation, and Distribution of Agrochemicals in Plants (AGRO; cosponsored by AGFD, ENVR; financially supported by Dow AgroSciences) <i>Organizers: Kyung Myung, Coleen Kennedy, Norbert Satchivi</i> Illinois Street Ballroom East, Crowne Plaza at Union Station				P	
Undergraduate Research Posters (CHED; cosponsored by ENVR, SOCED) <i>Organizers: Carmen Collazo, Elzbieta Cook</i> Halls F&G, Indiana Convention Center		P			
Science-Based Policy Development in the Environment, Food, Health, and Transport Sectors (CINF) Crowne Plaza at Union Station		P			
Biomass and Biotechnologies for Energy (ENFL; cosponsored by ENVR) <i>Organizers: Jillian Goldfarb, Feng Zhao, Lanrong Bi, Calvin Mukarakate, Mark Nimlos</i> Rm 124, Indiana Convention Center				D	A

Fuels, Chemicals, Materials, and Energy from Coal, Natural Gas, Oil Shale, and other Natural Resources (ENFL; cosponsored by ENVR) <i>Organizer: Yun Hu</i> Rm 126, Indiana Convention Center	D	A			
Hydrogen Energy (ENFL; cosponsored by ENVR) <i>Organizers: Jingbo Liu, Hui Xiong, Huaiyu Shao</i> Rm 122, Indiana Convention Center		D			
Materials and Technologies for CO ₂ Capture, Sequestration, and Conversion (ENFL; cosponsored by ENVR) <i>Organizers: Ah-Hyung Park, Fangming Jin, Liang-Nian He</i> Rm. 125, Indiana Convention Center	D	D	D		
Solar Energy Conversion and Utilization (ENFL; cosponsored by ENVR) <i>Organizers: Yat Li, Ranjit Koodali</i> Rm. 127, Indiana Convention Center	D	D			
Biogeochemical Controls on Transition Metal Concentrations in Natural Waters (GEOC; cosponsored by ENVR) <i>Organizers: Laura Wasylenki, Lev Spivak-Birndorf</i> Rm. 117, Indiana Convention Center		P			
Chemical Approaches to Understanding Metabolic Activity of Microorganisms in Environmental Settings through Geological Time (GEOC; cosponsored by ENVR) <i>Organizers: Greg Druschel, Edward Crane</i> Rm. 114, Indiana Convention Center			P		
Geochemistry of Shales: From Gas to Hydraulic Fracturing (GEOC; cosponsored by ENVR) <i>Organizers: Maria Mastalerz, Nancy Hasenmueller</i> Rm. 114, Indiana Convention Center		A			

Legend: **A** = AM; **P** = PM; **D** = AM/PM; **E** = EVE; **AE** = AM/EVE; **DE** = AM/PM/EVE; **PE** = PM/EVE;

ACS Division of Environmental Chemistry

CALL FOR PAPERS

247TH ACS NATIONAL MEETING
Dallas, TX, March 16-20, 2014

Dear Colleagues,

I invite you to join us and share your research results and progress in your research in the ACS Division of Environmental Chemistry program at the **247th ACS National Meeting in Dallas, Texas, March 16-20, 2014**. Abstract submission is open August 12 - October 7, 2013: Follow the link (<http://abstracts.acs.org>) to sign in using your ACS ID and password, or you may create an ID on the abstract submission webpage. For meeting registration and accommodations, visit www.acs.org/meetings. Other inquiries should be directed to the symposium organizers or ENVR program chair. Detailed descriptions of each symposium are available on the ENVR website: www.acsenvr.com.

ENVR Program Chair: Souhail Al-Abed, Ph.D., U.S. EPA, 26 W. Martin Luther King Drive, Cincinnati, OH 45268; Tel.: 513-569-7849, Fax: 513-569-7879; E-mail: al-abad.souhail@epa.gov

Advances in Materials for Water and Energy (Cosponsored with ACS Committee on Environmental Improvement), Organizers: Jonas Baltrusaitis, *University of Twente (Netherlands)*, j.baltrusaitis@utwente.nl; David Cwiertny, *University of Iowa*, david-cwiertny@uiowa.edu; Jaehong Kim, *Yale University*, jaehong.kim@yale.edu; Timothy Strathmann, *University of Illinois*, strthmnn@illinois.edu;

Air Monitoring: Overcoming Real-Time Air Toxics Monitoring Challenges (Financial Cosponsor: PID Analyzers), Organizers: Jennifer Maclachlan, *PID Analyzers*, pidgirl@gmail.com; John Driscoll, *PID Analyzers*, pidguy@gmail.com;

Changing Atmospheric Chemistry: Environmental Implications of Land/Air Interactions (Cosponsored with GEOC and ACS Committee on Environmental Improvement), Organizers: Jerry Bell, *American Chemical Society*, j_bell@acs.org; Bassam Shakhshiri, *University of Wisconsin*, bassam@chem.wisc.edu; Walter Shortle, *U.S. Forest Service*, wshortle@fs.fed.us

Chemistry of the Lower Atmosphere, Organizers: Marie-Cecile Chalbot, *University of Arkansas for Medical Sciences*, mchalbot@uams.edu; Ilias Kavouras, *University of Arkansas for Medical Sciences*, ikavouras@uams.edu

Emerging Micro-Pollutants in the Environment (Cosponsored with ACS Committee on Environmental Improvement), Organizers: Michiel Daam, *Technical University of Lisbon, Portugal*, mdaam@isa.utl.pt; Sudarshan Kurwadkar, *Tarleton State University*, kurwadkar@tarleton.edu; Forrest Mitchell, *Texas A&M University*, f-mitchell@tamu.edu; David Ramirez, *Texas A&M University - Kingsville*, kfdr000@tamuk.edu; Xiaoqi Zhang, *University of Massachusetts Lowell*, Jackie_Zhang@uml.edu

Fundamental and Applied Chemistry for Pollution Control and Climate Protection (Cosponsored with ACS Committee on Environmental Improvement), Organizer: Rasmus Fehrmann, *Technical University of Denmark*, rf@kemi.dtu.dk

Hydrothermal Carbonization of Municipal, Industrial and Agricultural Wastes and Innovative Applications of the Process Byproducts, (Cosponsored with ACS Committee on Environmental Improvement), Organizers: Sunyoung Bae, *North Carolina A&T State University*, sbae@ncat.edu; Nicole Berge, *University of South Carolina*, berge@enr.sc.edu; Kyoung Ro, *U.S. Dept of Agriculture*, kyoung.ro@ars.usda.gov

Innovative Materials for Waste Recycling and Environmental Application (Cosponsored with ACS Committee on Environmental Improvement), Organizers: Souhail Al-Abed, *U.S. EPA*, al-abad.souhail@epa.gov; Katsuya Kawamoto, *National Institute for Environmental Studies, Japan*, kawamoto@nies.go.jp

Nanotechnology for Sustainable Resources and Environmental Science (Cosponsored with ACS Committee on Environmental Improvement), Organizers: Jie Song (primary contact), *Georgia Institute of Technology and Emory University*, jsong7@emory.edu; Markus Antonietti, *Max Planck Institute of Colloids and Interfaces*, carolin.nuglisch@mpikg.mpg.de; David Britt, *Lawrence Berkeley National Lab*, DKBritt@lbl.gov; davidkbritt@gmail.com; Wonyong Choi, *Pohang University of Science and Technology*, wchoi@postech.edu; Craig L. Hill, *Emory University*, chill@emory.edu; Steven Holdcroft, *Simon Fraser University (Canada)*, holdcrof@sfu.ca; Adam F. Lee, *Cardiff University (UK)*, leeaf@Cardiff.ac.uk; Achim Müller, *University of Bielefeld (Germany)*, a.mueller@uni-bielefeld.de; Anna Proust, *Universite Pierre et Marie Curie (France)*, anna.proust@upmc.fr; Shu Tao, *Peking University (China)*, taos@pku.edu.cn; Baoshan Xing, *University of Massachusetts Amherst*, bx@umass.edu; Yongsheng Chen, *Georgia Institute of Technology*, yongshen.chen@ce.gatech.edu

Pollutant Transport and Transformation at Mineral-Water Interfaces, Organizers: Hefa Cheng, *Guangzhou Institute of Geochemistry, Chinese Academy of Sciences*, cheng@gig.ac.cn; Kaimin Shih, *Hong Kong University*, kshih@hku.hk

Real Time Water Monitoring of Surface Waters for Drinking Water Supplies, Organizers: Paul Schorr (primary contact), *New Jersey Dept. of Environmental Protection*, Paul.Schorr@dep.state.nj.us; Jacob Gibs, *U.S. Geological Survey*, jgibs@usgs.gov; Richard Gullick, *Passaic Valley Water Commission*, rgullick@PVWC.com; Robert Lippincott, *New Jersey Dept. of Environmental Protection*, lee.lippincott@dep.state.nj.us; Hui Pang, *New Jersey Dept. of Environmental Protection*, Helen.Pang@dep.state.nj.us

Service Learning Focused on Chemistry and the Environment (Cosponsored with CHED, YCC), Organizers: Mark Benvenuto, *University of Detroit Mercy*, benvenma@udmercy.edu; Matthew Mio, *University of Detroit Mercy*, mionmj@udmercy.edu; Elizabeth Roberts-Kirchhoff, *University of Detroit Mercy*, robkires@udmercy.edu

Water Quality Stewardship in Pursuit of Unconventional Oil and Natural Gas Reservoirs (Cosponsored with ENFL), Organizers: Brian Ellis, *University of Michigan*, brellis@umich.edu; Kim Hayes, *University of Michigan*, ford@umich.edu

Water Reuse in Texas: Integrative Assessment and Management (Cosponsored with ACS Committee on Environmental Improvement), Organizer: Bryan Brooks, *Baylor University*, bryan_brooks@baylor.edu

OTHER SYMPOSIA COSPONSORED BY ENVR:

Career Pathways in the Environmental Sciences [YCC] (Cosponsored by ENVR, PROF and CEPA), Organizer: Wasil Lawal, *University of Texas at Arlington*, wasiulawal79@yahoo.co.uk

245th National Meeting, New Orleans, LA, April 7-11, 2013

Code	Session Title	Sessions	Funding
ENVR001a	Nexus of Food, Energy and Water	1	\$ 400.00
ENVR002a	Occurrence, Detection, Fate and Removal of Pharmaceutical and Personal Care Products	2	\$ 500.00
ENVR002B	in Potable Water Sources		
ENVR003a	Physicochemical Characterization of Organic Matter: Past, Present, Future, and Role in	5	\$ 800.00
ENVR003b	the Environment		
ENVR003c			
ENVR003d			
ENVR003e			
ENVR004a	Biofuels: Current Issues and Environmental Implications	2	\$ 500.00
ENVR004b			
ENVR005a	Energy Recovery from Waste: Technological and Environmental Issues	1	\$ 400.00
ENVR006a	Food and Its Environment: What Is In What We Eat?	1	\$ 400.00
ENVR007a	Sorption Reversibility of Organic and Inorganic Pollutants in Natural Solids: The Elephant	3	\$ 600.00
ENVR007b	in the Room?		
ENVR007c			
ENVR009a	Environmental Fate of Petroleum Oils and Dispersants in the Marine Environment	1	\$ 400.00
ENVR011a	Sustainable Energy, Food Risk and Emerging Pollutants: Expect the Unexpected	1	\$ 400.00
ENVR012a	Nanotoxicity and Human Health Risk: Relevance to Environmental Chemistry and Fate	1	\$ 400.00
ENVR013a	Advanced Nanoscale and Membrane Technologies in Energy and Food Production	1	\$ 400.00
ENVR014a	Identification of Environmental Abiotic and Biotic Reactions Using Computational Chemistry	1	\$ 400.00
ENVR015a	Carbon Dynamics and the Biogeochemical Cycling of Major and Minor Elements	1	\$ 400.00
ENVR016a	Green Chemistry Fostered Advances for Chemicals and Fuel Production	4	\$ 700.00
ENVR016b			
ENVR016c			
ENVR016d			
ENVR017a	Air Monitoring	1	\$ 400.00
ENVR018a	ACS National Award for Creative Advances in Environmental Science and Technology: Symposium in Honor of Donald R. Blake	2	\$ 500.00
ENVR018B			
ENVR019a	Chemistry and Applications of Advanced Oxidation Processes for Removal of	9	\$ 1,000.00
ENVR019b	Contaminants of Emerging Concern		
ENVR019c			
ENVR019d			
ENVR019e			
ENVR019f			
ENVR019G			
ENVR019h			
ENVR019i			
ENVR020a	Transformative Nanotechnologies: Energy and Environment, Solutions and Challenges	5	\$ 800.00

ENVR020b
ENVR020c
ENVR020d
ENVR020e

Total # Sessions 42 \$ 9,400.00



Chemical Institute of Canada | *For Our Future*

July 14, 2013

To: Dionysios (Dion) D. Dionysiou, Ph.D.
ACS Division of Environmental Chemistry, Program Chair
Professor of Environmental Engineering, Center of Sustainable Urban Engineering
School of Energy, Environmental, Biological, and Medical Engineering (SEEBME)
705 Engineering Research Center, University of Cincinnati
Cincinnati, OH 45221-0012

Re: Invitation to ACS – ENVR Division to Joint International Symposium at CSC 2014

Dear Dion:

We are pleased to invite the Division of Environmental Chemistry of the American Chemical Society to participate in a Joint International Symposium at the Canadian Society of Chemistry (CSC) conference to be held June 1 – 5, 2014 in Vancouver, Canada.

Our objective is to enhance the interactions between ACS Environment and CIC Environment Divisions and to enable the chemists from the ACS – ENVR to work with colleagues in the CIC as co-organizers to build a strong scientific program of invited and contributed talks. This is also an opportunity to develop future collaborations among colleagues in both ACS and CIC. We have tentatively identified a symposia titled **Chemicals of Emerging Concern**, with an emphasis on the occurrence, persistence and effects of a broad range of emerging contaminants including their fate and toxicity (co-organized by Jon Martin, Jon Benskin, and Bill Mitch) as a good candidate for such a joint initiative. It is understood, that funding to subsidize invited speakers is limited and that the co-organizers would be working together to find sponsors to support this initiative.

We look forward to working together with the ACS to build a strong scientific program for the 2014 CSC conference. Please feel free to contact us, if you have any questions of concerns.

Sincerely,

Erik Krogh (Erik.Krogh@viu.ca) and Chris Gill (Chris.Gill@viu.ca)
CIC Environment Division Program Chairs 2014

On behalf of Daniel Leznoff, CSC2014 Scientific Program Chair

Cc:

Xing-Fang Li, President, CIC Environment Division
Daniel Leznoff, CSC2014 Scientific Program Chair

Walter Giger
Chair
Division of Chemistry and the Environment (DCE)
European Association of Chemical and Molecular Sciences (EuCheMS)

Tracy Williamson
Chair
Division of Environmental Chemistry (ENVR)
American Chemical Society (ACS)

Proposal for financial support for topics A and B within the congress theme

Resources and Environment

at the **5th EuCheMS Chemistry Congress** 31 August – 4 September 2014 in Istanbul, Turkey.

Topic A: **Advanced oxidation processes in water and waste water treatment and reuse**

Topic B: **Environmental Contaminants of Emerging Concern (CECs):
analysis, occurrences, effects, risk assessment and measures**

The currently valid program structure is embedded at the end of this proposal. The program has been developed by the scientific committee of the EuCheMS Chemistry Congress 2014 and has been accepted by the executive board of EuCheMS.

Within the theme *Resources and Environment* the congress organizers will waive registration fees for 1 plenary speaker (Alexander Zehnder), 4 conveners (Manfred Grasserbauer, Philippe Garrigues, Urs von Gunten, Ester Heath, Thilo Hofmann) and 8 keynote speakers including Brian Brooks from Baylor University, Texas, USA.

However, the congress will at first not make any contribution towards travel or accommodation for conveners or invited speakers. In case of a positive financial outcome of the congress there is a possibility of contributions towards these expenses.

Regarding the registration fees the members of the American Chemical Society will be treated in the same way as the members of EuCheMS member societies.

There will be a possible participation of ENVR student members with reduced registration that could be supported (registration) from the requested funds.

This cooperation between ENVR and DCE goes back to 2009, when an ENVR delegation participated in the International Conference on Chemistry and the Environment (ICCE) was held in Stockholm, Sweden. The participation of ENVR members is important to ensure working in forefront topics, strengthen interactions with international scientists, possibly helping increase membership of international members in ENVR.

The success of international Conference on Chemistry and the Environment (ICCE 2013) in June 2013 in Barcelona and satellite events made a great impression on the attending ENVR members who developed excellent symposia and/or gave great presentations.

Among the 475 registered participants were 24 from the USA.

Two satellite events were strongly influenced and co-organized by ACS colleagues including invited keynote speakers:

- *Illicit Drugs in Wastewaters*

Co-convener: Jennifer Field, Oregon State University;

invited speaker: Caleb Banta-Green, University of Washington.

- *Cyanobacteria and Cyanotoxins in Aquatic Environments*

Co-convener: Dionysios Dionysiou, University of Cincinnati;

invited speaker: Bryan Brooks, Baylor University

David Sedlak, University of California, Berkeley, was one of the 4 plenary speakers. He delivered the opening lecture of the congress.

Susan Richardson, USA and Dionysios Dionysiou, University of Cincinnati, were keynote speakers for the themes *Water Pollution and Treatment* as well as *Transformation and Fate of Pollutants*, respectively.

Stacey Simonich, Oregon State University, and Lee Ferguson, Duke University, gave oral presentations in the topics *Atmospheric Chemistry* and *Emerging Pollutants*, respectively.

The goal of this proposal is to continue strengthening ties between ENVR and DCE including participation in committee discussions as guests for future activities. Within DCE there are discussions to organize a specialist conference on various aspects of environmental research using recent freshwater and marine sediments. The ICCE in 2015 will be held in Leipzig, Germany.

At the last EuCheMS Chemistry Congress 2012 in Prague was a strong presence and visibility of the ACS publication department including a very well attended lunch presentation by the Editor-in-Chief of the Journal of the American Chemical Society (JACS). This proposal should help to achieve the goal of a high visibility of ENVR at the EuCheMS Chemistry Congress 2014 in Istanbul.

For the current proposal a **financial support by ENVR of totally 6'000 US Dollars** is requested.

Please note that these funds will not completely cover the costs of each delegate. Each delegate will also contribute a portion of their travel costs.

The conference organizers have agreed to provide acknowledgement of ACS ENVR as a sponsor of the event, if these funds are provided.

I hope very much that the ENVR executive committee will be in favor of this proposal.

Sincerely yours,



Walter Giger

5th EuCheMS Chemistry Congress

31 August – 5 September 2014

Proposal for main theme „Resources and environment“

Convener: **Manfred Grasserbauer** with **Evangelia Varela**

Observer: Mehmet Mahramaglioglu, Turkish Chemical Society

Plenary speaker:

Alexander Zehnder, Switzerland

Global water resources: The concept of blue, green and virtual Water
(working title)

Topics:

Advanced oxidation processes in water and waste water treatment and reuse (with ACS-ENVR)

Topical Convener: **Walter Giger**, Switzerland

Co-conveners: **Urs von Gunten**, EPFL Lausanne, Switzerland, and **Dion Dionysiou**, ACS-ENVR and University of Cincinnati, USA

Scientific Committee: **Zekije Cinar**, Turkey; **Despo Fatta-Kassinos**, Cyprus; **Ana Lopes**, Portugal

Oxidation and advanced oxidation processes (homogeneous, heterogeneous) –basics:

Keynote speaker: **Yunho Lee**, Gwangju Institute of Science and Technology, Korea

Oxidation and advanced oxidation processes (homogeneous, heterogeneous) – applications

Keynote speaker: **Fernando Javier Beltran**, Universidad de Extremadura, Spain
to be confirmed.

Oxidative transformation of micropollutants – kinetics, mechanisms and effects

Keynote speaker: **Thomas Ternes**, German Federal Institute of Hydrology, Germany

Formation of disinfection by-products:

Keynote speaker: **William Mitch**, Stanford University, USA

Inactivation of microorganisms and biohazards (e.g. antibiotic resistance):

Keynote speaker: **Tamar Kohn**, Ecole Polytechnic Federal Lausanne, Switzerland

5 sessions, 5/4 keynote lectures, 16 – 25 contributed lectures

Environmental contaminants of emerging concern (CECs): analysis, occurrences, effects, risk assessment and measures (with ACS-ENVR)

Topical convener: **Ester Heath**, Josef Stefan Institute, Ljubljana, Slovenia

Co-convener: **George Cobb, ACS-ENVR** and Baylor University, USA

New emerging contaminants (2 sessions)

Keynote speakers:

Miren Lopez de Alda, IDAEA-CSIC, Barcelona, Spain

Adrian Covaci, University of Antwerp, Belgium

Fate and Transformation of new emerging contaminants:

Keynote speaker: **Juliane Hollender**, EAWAG, Switzerland

Effects, risk assessment and measures of new emerging contaminants:

Keynote speaker: **Bryan Brooks**, Baylor University, USA

4 sessions, 4/3 keynote lectures, ca 20 contributed lectures

Water quality and food production

Topical convener: **Philippe Garrigues**, University of Bordeaux, France

Co-convener: Livia Sarkadi, Chair DFC, Budapest University of Technology and Economics

Water quality and treatment

Keynote speaker: **Peter G. Stoks**, RIWA, The Netherlands

Food quality and safety

Keynote speaker: **Mehmet Coelhan**, Technical University of Munich, Germany

2 -3 sessions, 2 keynote lectures, 12 – 20 contributed lectures

Natural resources and mining

Topical convener: **Thilo Hofmann**, University of Vienna, Austria

Co-convener: Britta Planer-Friedrich, University Bayreuth, Germany

The future of mining: from waste to resources

Keynote speaker: **Paul Brunner**, Vienna University of Technology, Austria

Unconventional gas resources and carbon sequestration: two solutions for a better future?

Keynote speaker: **Andreas Dahmke**, University of Kiel, Germany

2 sessions, 2 keynote lectures, 4 – 10 contributed lectures

Air Pollution

Convener and keynote speakers to be determined based on proposals by the Turkish Chemical Society.

Topical co-convener: **Gerhard Lammel**, Germany/Czech Republic (to be confirmed)

Several keynote speakers

Highlighted in green: With waived registration fees

Highlighted in yellow: In cooperation with the ACS Division of Environmental Chemistry (ENVR)

Highlighted in magenta: Proposed financial support by the ACS Division of Environmental Chemistry (ENVR)

To: ACS Division of Environmental Chemistry Executive Committee

From: ENVR Appropriations Committee (Vic Turoski and Frank Amore)

Re: Requests for Financial Support (ACS Fall Meeting 2013 – September (8-13) - Indianapolis

Date: 19 August 2013

Four requests for ENVR financial support have been received and are due for consideration by the ENVR Executive Committee at the September 2013 ACS National Meeting.

1. 44th ACS Western Regional Meeting – The Many Elements of Chemistry - October 3-5 2013 Santa Clara California
2. Georgia Local Section of the American Chemical Society - SERMACS2013 - Symposium on *Mass Spectroscopy Applications in Clinical Chemistry* and/or Symposium on *Environmental Health* – November 12-16, 2013 - Atlanta, Georgia
3. The ACS Midwest Regional Meeting (MWRM) - Special Symposium "**Engineered Nanoscale Biomaterials and Biosensors**" October 16-19, 2013 - Springfield, MO
4. ACS Northeast Regional Meeting (NERM2013) – Green Chemistry Topics - October 23-26 2013 - New Haven, CT

The requests are attached along with a copy of the ENVR Donation Guidelines.

The Appropriations Committee has reviewed the three requests and recommends that they all be accepted. We wish to leave the dollar amount of support for each request up to the Executive Committee.

ENVR Appropriations Committee Modus Operand:

~ As the requests for support arrive, whoever receives the requests will forward them to Vic Turoski (victuroski@gmail.com) or Frank Amore (frank.amore@comcast.net)

~ The committee will collate the requests, make sure that they are put on the standard form, evaluate the requests, decide on a recommendation with respect to approve/not approve, and forward the completed request forms along with a report to the ENVR Exec Committee. The Exec Committee will make the final decision to approve/not approve the requests and decided the dollar amount of support.

~ The ENVR Chair (in this case Hank Ramsey) will then issue a congratulatory note to those requestors who gained approval or a regret note to those requestors who did not.

Submitted by:

Vic Turoski

Frank Amore

Request for ENVR Support #1

ENVR Appropriations Request

Information for use by the ACS Division of Environmental Chemistry Executive Committee to approve or deny your request for support.

Support Requested: **\$1000+**

Event Host Organization (Include contact name, position, email, phone):

Lee Latimer or Natalie McClure

General Co-Chairs

Western Regional Meeting 2013

Chair@wrm2013.org

510-207-1762 (Latimer)

www.wrm2013.org

Event Name: **44th ACS Western Regional Meeting** co-hosted by the California and Santa Clara Valley Sections

Event Dates: **October 3-6, 2013, Santa Clara, California**

Event Included in an ACS Meeting? **YES** **NO** National **Regional** Local

Nature of Event: **Sessions on Fracking at the regional meeting, focused on chemistry and environmental issues (2 days currently planned). Speakers relating to California applications in particular.**

Proposed Use for Support: **To support speaker and related expenses for the environmental sessions**

If approved, payment information:
Payee: WRM2013
Mail Check to:
c/o CalACS Office
2950 Merced Street, Suite 225
San Leandro, CA

Request for ENVR Support #2

ENVR Appropriations Request

Information for use by the ACS Division of Environmental Chemistry Executive Committee to approve or deny your request for support.

Support Requested: \$2000.00

Event Host Organization (Include contact name, position, email, phone):

Georgia Local Section of the American Chemical Society

Deborah Sauder, Co-Chair, SERMACS2013. dsauder@ggc.edu 678.407.5844

Event Name:

Symposium on *Mass Spectroscopy Applications in Clinical Chemistry* and/or
Symposium on *Environmental Health*

Event Dates: November 12-16, 2013

Event Included in an ACS Meeting? YES NO National Regional
Local

Nature of Event:

SERMACS2013 is a Regional Meeting of the ACS. We expect >2000 chemists from across the southeast US to attend and contribute research talks and posters, attend workshops, visit a vendor's fair and perhaps employment and social events through the course of the meeting.

Proposed Use for Support:

Support will be used to defer travel costs for Symposium speakers or underwrite snacks during the breaks to encourage discussions during the symposia at the discretion of the Environmental Chemistry Division.

If approved, payment information:

Payee: SERMACS2013

Mail Check to: Dr. Toby Fran Block

Treasurer, SERMACS2013

3044 Stantondale Drive

Atlanta GA 30341

Request for ENVR Support #3

AMERICAN CHEMICAL SOCIETY DIVISION OF ENVIRONMENTAL CHEMISTRY

Please return to: ACS Division of Environmental Chemistry c/o Victor Turoski E-mail: victuroski@gmail.com

ENVR Appropriations Request
Information for use by the ACS Division of Environmental Chemistry Executive Committee to approve or deny your request for support.

Support Requested: \$1000

Event Host Organization (Include contact name, position, email, phone): *Ozark Local Section, contact: Adam Wanekaya, wanekaya@missouristate.edu, 417-836-5611*

Event Name: *Engineered Nanoscale Biomaterials and Biosensors*

Event Dates: *October 16 – 19, 2013*

Event Included in an ACS Meeting? YES [X] NO [] National [] Regional [X] Local [X]

Nature of Event: Symposium

Proposed Use for Support: *To support the travel expenses of an internationally recognized expert who would not normally have the incentive to attend this type of conference. The funds will also be used to provide partial travel expenses for regional experts to join the internationally recognized expert and contribute in the symposium. This will hopefully initiate networking opportunities between regional and international experts.*

If approved, payment information:

Payee: Ozarks Local Section

Mail Check to: *Gary Meints,*

Chemistry Department,
Missouri State University,
901 S National Ave,
Springfield MO 65897

Request for ENVR Support #4

ENVR Appropriations Request

Information for use by the ACS Division of Environmental Chemistry Executive Committee to approve or deny your request for support.

Support Requested: \$500.00

Event Host Organization (Include contact name, position, email, phone):

Jennifer Maclachlan, Member, ACS Northeast Regional Meeting Organizing Committee
pidgirl@gmail.com, 617-699-4307

Event Name: ACS Northeast Regional Meeting NERM2013 hosted by the New Haven LS

Event Dates: October 23-26 2013

Event Included in an ACS Meeting? YES NO National **Regional**
Local

Nature of Event: Sponsorship of an ACS Regional Meeting with a Green Chemistry Track.

Track Description: **Green Chemistry: Success Stories:** Friday morning, October 25;
Green Chemistry: 21st Century Workforce Skills: Friday afternoon, October 25.

Proposed Use for Support: Sponsorship Level is Neon (\$500): Listing in Program and Website. Sponsorship includes meeting registrations for up to 1 person-this registration will be used for an invited speaker in the Green Chemistry morning or afternoon session.

Inclusion as a Regional Meeting sponsor will increase ENVR Division visibility with the use of the ACS ENVR logo on the web site and through various social media channels that myself *and* the NERM PR team will be utilizing.

If approved, payment information:

Payee: NERM2013

Mail Check to: Max Reeve, NERM2013 Treasurer

465 Goose Ln

Guilford, Ct 06437

Email: maxreeve@comcast.net

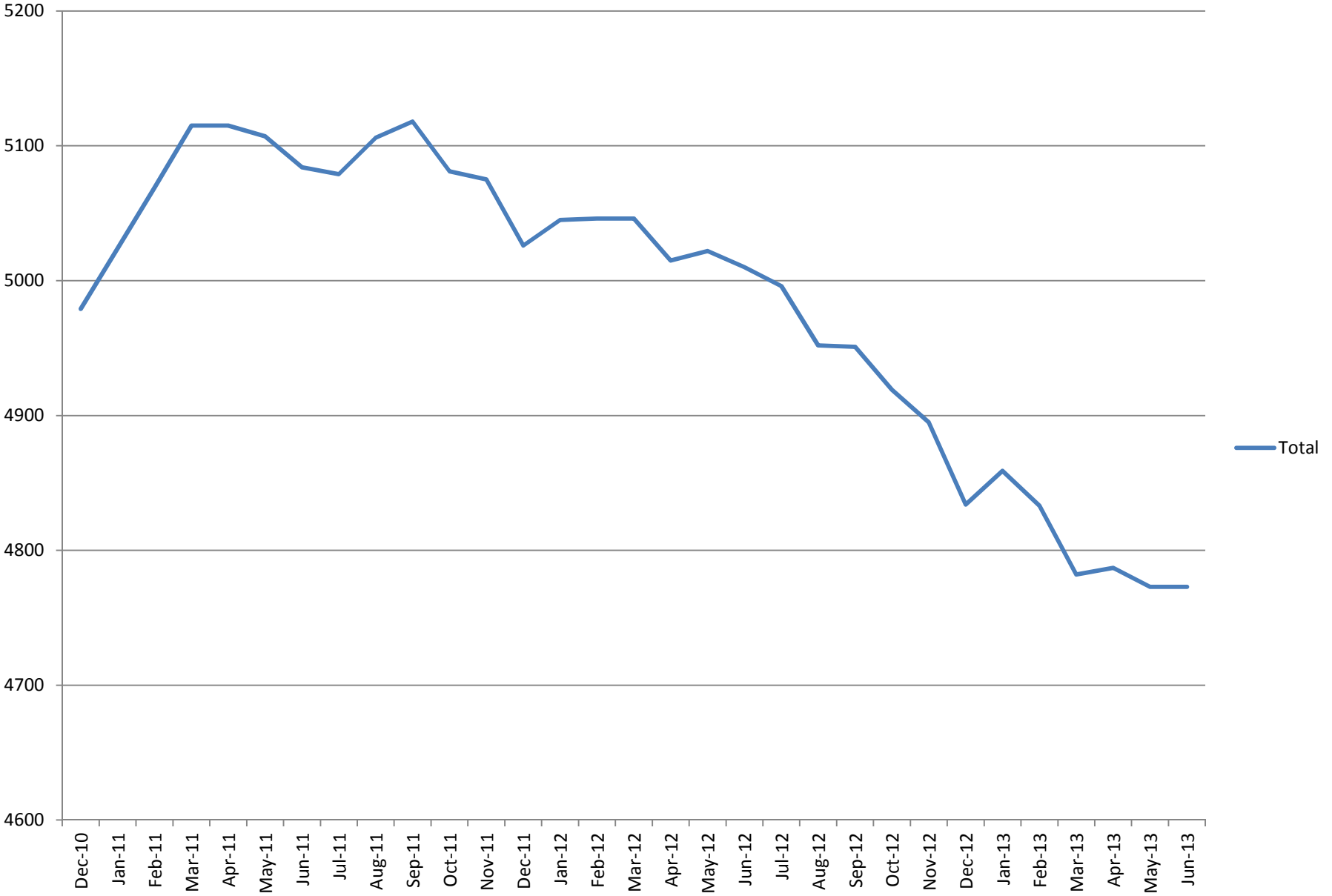
Guidelines for ACS Division of Environmental Chemistry (ENVR) Financial Donations

These guidelines should be used to determine the appropriateness and the extent of ENVR donations to other organizations

- ✓ The requesting organization should have goals similar to those of ENVR:
 - To increase the knowledge of base of chemistry in general and environmental chemistry in particular
 - To increase the awareness of environmental chemistry to the public at large
 - To assist and promote the pursuit of chemistry by deserving students

- ✓ The requesting organization must submit a written request to ENVR citing the amount required. This request should include a description of how the ENVR donation will be used and describe the proposed benefit(s) that the donation will affect.

ENVR Membership Trend 2010 - 2013



envirofACS

Division of Environmental Chemistry E-News

July 8, 2013

Dear ENVR members,

Thanks to all who made the Spring Meeting a great success! We look forward to seeing you in Indianapolis this fall. In the meantime, here are some updates on the Centennial Celebration, upcoming meetings, ACS awardees, and other exciting things happening in the Division.

Fall 2013 Annual Meeting in Indianapolis, IN: Registration and Housing Now Open

ENVR members, start your engines! ACS is taking Indy by storm, and the Division has a full program planned. Symposia topics include Materials-Based Technologies for Water and Energy Sustainability, Environmental Electrochemistry, and a host of sessions on the fate and transport of known and emerging contaminants. Early Registration ends on July 12! Please visit acs.org to register and for more information.

The Division's Business Meeting will be Sunday Sept. 8 from 7-7:30pm in the Crowne Plaza; all are encouraged to attend. The Social & Dinner is a ticketed event on Tuesday Sept 10 at Shula's Steakhouse (please purchase tickets when you register for the conference.)

Please note: there is a Colt's home football game on Sunday, so please make your hotel and air reservations early. We look forward to seeing you there!

ENVR Centennial: Invitation to Organize and Celebrate

At both the 2014 National Meetings (Dallas, TX in Spring and San Francisco, CA in Fall) the Division will celebrate its 100th Birthday! Since 1914 members of our Division have developed methodologies for the detection of environmental pollutants, proposed solutions to pressing global environmental problems across air, land and water, and continue to address emerging issues such as environmental applications and implications of nanotechnology, detection of pharmaceuticals in our water supply, and satisfaction of ever increasing demands for water and energy as the world's population grows. We would like to hear your ideas, topics for symposia, and speakers to help us in this celebration. Please send your suggestions and indicate your willingness to organize events to Souhail Al-Abed (al-abad.souhail@epa.gov) and/or Dion Dionysiou (dionysios.d.dionysiou@uc.edu).

The Kavli Foundation Emerging Leader in Chemistry: Nominations due July 15

The Kavli Emerging Leader Lecture is awarded to an outstanding chemical scientist who is less than 10 years past receipt of his/her PhD and is under 40 years of age. The candidate is a distinguished younger scientist who is highly regarded by his or her peers for significant contributions to an area of chemistry or related multidisciplinary area of chemistry. If you know of an emerging leader in Environmental Chemistry, please consider nominating him/her today! All nominations must be submitted by the Division Secretary, so please send your information to Ashi Savara (savaraa@ornl.gov).

Link(ed)In with the Division

We've recently launched a group on LinkedIn – members are welcome to post job notices, start discussions and network with each other. Updates and features will be added soon – so join the ACS Division of Environmental Chemistry group today. <http://www.linkedin.com/groups?groupDashboard=&gid=4900574>

Congratulations to our Outstanding Student Awardees

Every year, the Division recognizes outstanding undergraduate and graduate students pursuing paths in environmental chemistry. These future leaders are engaged in a variety of research opportunities across the

country – and every year the nominations get more and more impressive. To learn about this year’s winners, please visit our website, acsenvr.com. Congratulations to all the awardees!

ENVR Members Recognized at ACS Northeast Regional Meeting

Two ENVR members were recently awarded the ACS Environmental Division’s Keynote Lecture Award for their presentations in the Climate Change symposium at the ACS’s Northeast Regional Meeting (NERM) in Rochester, NY. Congratulations to Jonathan E. Kenny of Tufts University, “Telling the Climate Justice Story: An Interdisciplinary Course at Tufts University” and Andy Jorgensen of the University of Toledo, “Addressing the Needs of Climate Change Education” for their contributions to the field of environmental chemistry.

ENVR Division Network in China & Hong Kong

We would like to build up a network of ACS ENVR Division members in China and Hong Kong. If you’re interested in joining the activities and news update from this network, please email Dr. Carol Lin (carollin@cityu.edu.hk) from the School of Energy and Environment at the City University of Hong Kong.

Resources for Chemistry Education from ENVR Member

Professor Frank Dunnivant, Whitman College and students have developed a series of FREE analytical and environmental chemistry resources, including textbooks and software. Nine free educational software packages and videos on environmental topics and analytical instrumentation and two free eTextbooks on trace inorganic and organic analyses using instrumentation are available. Downloads can be found at:

<http://people.whitman.edu/~dunnivfm/software.html>,

http://people.whitman.edu/~dunnivfm/FAASICPMS_Ebook/Prelim/index.html, and

http://people.whitman.edu/~dunnivfm/C_MS_Ebook/Prelim/index.html

Please provide any feedback to Frank Dunnivant at dunnivfm@whitman.edu.

Have Something to Share?

If you have an important message to share with EnvirofACS members such as upcoming meetings, awards, and the like, or would like to offer suggestions on how this Newsletter or the Division can better serve your and the community’s needs, please email Jillian Goldfarb (J.Goldfarb@unh.edu) or Peney Patton (division@acsenvr.com).



Please join your colleagues and friends

Division of Environmental Chemistry Social and Dinner



Shula's Steakhouse

50 South Capitol Avenue, Indianapolis, IN

Tuesday, September 10, 2013, 6:30 PM - 9:00 PM

Cost: \$60/person *Tickets may be purchased through ACS Meetings & Expositions (www.acs.org/meetings) or at the ACS Registration Booth, Indiana Convention Center*