

ACS - DAC DIVISION NEWSLETTER November 2012

FROM OUR NEW CHAIR, CINDY LARIVE...



In the upcoming year, the Analytical Division will celebrate the 75th anniversary of its founding in 1938. Programming for 2013 is already underway, thanks to our Program Chair Thom Rossi. Details of the Pittcon in Philadelphia (March 17-21) and Spring ACS Meeting programs will be announced soon on the [Division's home page](#). Look for our exciting symposia at Pittcon in Philadelphia (March 17-21) and join us on the expo floor for birthday cake and networking. We will also be holding special 75th anniversary receptions at Pittcon and at the Fall ACS meeting in Indianapolis (September 8-12). These receptions provide a fun venue to meet other analytical chemists and get involved in Division activities. Thom has also planned a full program for the New Orleans ACS meeting, April 7-11. In addition to a wide variety of interesting sessions covering all areas of modern

analytical chemistry, the Spring meeting will feature special symposia honoring ACS National Award winners Isiah Warner (ACS Award in Analytical Chemistry), David Russell (Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry), and Paul Haddad (ACS Award in Chromatography). The Division's [Kolthoff awards](#) provide travel stipends to undergraduate students to attend these meetings. Our [graduate fellowship program](#) encourages basic research in the field of analytical chemistry, promotes the growth of analytical chemistry in academic institutions and industry, and provides recognition of future leaders in the field of analytical chemistry. The Division gratefully acknowledges Eli Lilly, Agilent Technologies, Eastman Chemical Company, and the Society of Analytical Chemists of Pittsburgh for sponsorship of graduate fellowships. We also appreciate your continued support of the Division by renewing your membership (only \$16 a year for ACS members) and by recruiting new members. If you are not an ACS member you can be a member of the Division for only \$20 a year. Please get involved in your Division: like us on [Facebook](#), volunteer to serve on one of the Division's many [committees](#), or join us for top-flight science and networking at a National Meeting. Thanks for your membership support and your help keeping the Division and our profession active and strong as we celebrate our 75th anniversary!

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From the editor –

Thank you to Cindy Larive, Roland Hirsch, David Koppenaal, Pete Kissinger, Charlie Wilkins, Graham Cooks, Ed Yeung, and Anna Cavinato for their contributions to this issue of the Newsletter.

...AND OUR PAST CHAIR, DAVID KOPPENAAAL

A Rewarding Year! Hello all -

This is a note to Division membership as I make the transition from Chair to Past-Chair. I've had a rewarding time serving as Chair in 2012. The Division remained vibrant and healthy, and I made many new friendships and contacts within ACS and the Division. The Division once again had a very strong year of technical programming, with completely full programs at both the San Diego and Philadelphia meetings. We also continued our recent tradition of co-



programming at PlttCon, and for the first time worked with the Royal Society of Chemistry's Analytical Division in co-sponsoring and co-organizing two invited symposia at the FACSS/SCIX meeting in Kansas City in October (this is something I hope the Divisions will continue!). Our Divisional awards (7 of them) were awarded to a very impressive set of awardees, and I should also point out that 2013 award nominations for are due very soon (November 1).

Our new Executive Committee is in place and consists of new Chair Cindy Larive, Program Chair Thom Rossi, Chair-Elect Sue Olesik, Secretary Anna Cavinato, and Treasurer Michelle Bushey. I want to thank outgoing Committee members Sue Lunte and Alan Ribes for their long and dedicated service to the Division. I also want to pay a special thanks to Division assistant Miquela Sena for keeping me and many of the other Board members on the right path during the year!

And so I pass the Chair duties on to a very capable Cindy Larive. She will have the special honor of seeing the Division through its 75th anniversary year in 2013 – stay tuned for some special events and celebrations!

Best Regards, Dave

NEWS FROM THE NATIONAL MEETING IN PHILADELPHIA

Division receives ChemLuminary Award

The Division was presented with a ChemLuminary Award for Local Section Activities in 2011 for its outreach efforts associated with the International Year of Chemistry. Division Secretary Anna Cavinato is shown at the top of the next page with the Division's ChemLuminary Poster. The activity recognized by the ChemLuminary award was the Division's invitation to student sections to submit grants up to \$500 each to support activities that would communicate the significance of analytical chemistry for one or more of the IYC themes of environment, energy, materials, and health. Twenty grants were awarded - ten to graduate institutions and ten to predominantly



undergraduate institutions. A wide variety of projects were supported, including public lectures, outreach projects to local schools, and environmental projects to study water quality.

DAC Awards to our colleagues at Fall ACS Meeting

Five of our members were recipients of Division Awards during an awards symposium on Monday, August 20 in Philadelphia.

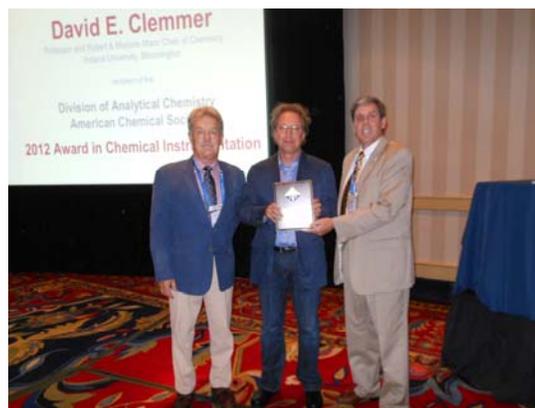


At top left, we see Division chair David Koppenaal with Professor Aaron Wheeler, the 2012 Arthur F. Findeis Awardee for Achievements by a Young Analytical Scientist (Sponsor: Philip Morris, USA). Aaron was honored for

At lower left, David presents the 2012 Division of Analytical Chemistry Award in Electro-chemistry to Professor Joseph T. Hupp, while below right, we see as R.S Houk accepts the 2012 Division of Analytical Chemistry Award in Spectrochemical Analysis.



Seen on the next page is Division chair David Koppenaal presenting the 2012 Division of Analytical Chemistry J. Calvin Giddings Award for Excellence in Education to Professor George S. Wilson and, David (left), representing the Division, and Mark Jones (right) representing the Dow Chemical Company, sponsor of this award, presenting the 2012 Division of Analytical Chemistry Award in Chemical to Professor David E. Clemmer

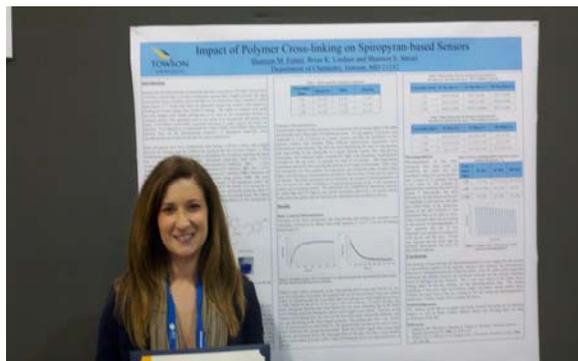
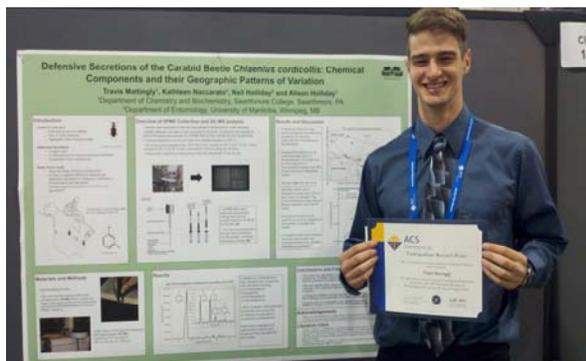


National Awards

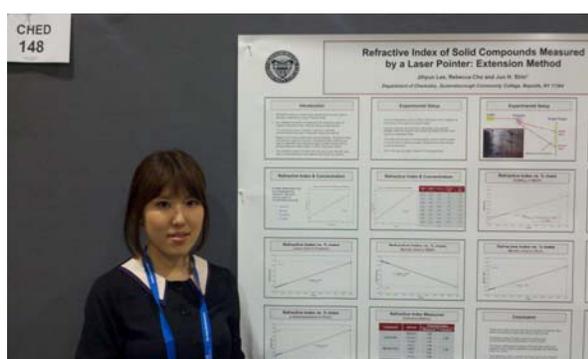
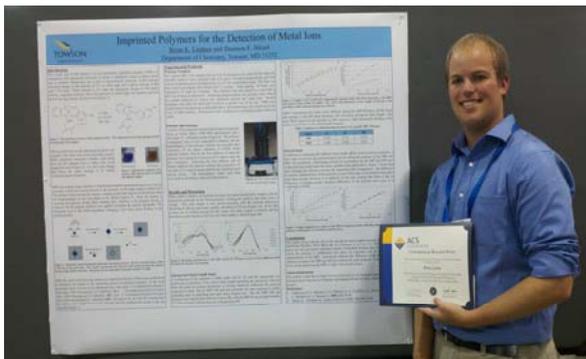
Nick Winograd was honored as the recipient of the 2012 ACS Award in Analytical Chemistry, sponsored by the Battelle Memorial Institute on. The award is presented to a scientist who has made an outstanding contribution to analytical chemistry, with special consideration given to independence of thought and originality or (to paraphrase the official description) importance to humanity. The ACS award in Chromatography, sponsored by Supelco/Sigma-Aldrich, was presented to Wolfgang Lindner as part of an all-day event on Sunday, August 19. This award is presented to a scientist who has made an outstanding contribution to the fields of chromatography with particular consideration given to developments of new methods. Scott McLuckey received this years Frank H. Field and Joe L. Franklin Award for Outstanding Achievements in Mass spectrometry which awarded to outstanding achievement in either the development or the application of mass spectrometry.

Undergraduate Analytical Research Poster Presentations

The Division awarded certificates to undergraduates who presented posters of analytical nature at the ACS fall national meeting in Philadelphia. Seventeen certificates were presented to students who participated in the poster session organized by the Division and twenty-two to those who participated in the Undergraduate Poster Session sponsored by the Division of Chemical Education. Among the participants were Travis Mattingly - Dept. of Chemistry - Swarthmore College (below left) and Shannon Fetner - Department of Chemistry - Towson University (below right).



The other undergraduates recognized were Brian Lindner – Department of Chemistry - Towson University (below left) and Jihyun Lee - Department of Chemistry - Queensborough Community College (below right).



DAC Reception

The Division of Analytical Chemistry reception was held on Tuesday evening, providing chances for congratulation Division award recipients, renewing old acquaintances, and making many new ones. (Pictures from the reception can be seen at the top of the next page.)



A Report from the Executive Committee meeting

The Executive Committee met at the ACS national meeting in Philadelphia on Tuesday August 21, 2012 from 3:00 to 6:00 pm at the College of Physicians of Philadelphia. The meeting started with a report from Cindy Larive, Program Chair, highlighting the meeting program. A rich array of symposia, contributed sessions and poster sessions were underway with eight sessions being recorded for later broadcasting on the ACS website. Incoming Program Chair, Thom Rossi, described programming for PittCon 2013 and the Spring ACS National Meeting in New Orleans. These programs are shaping up and a suggestion was made to identify presiders for contributed sessions that would help recruit speakers.

Chair David Koppenaal summarized the outcomes of the strategic planning meeting that took place on Sunday August 19. Two topics emerged as priority: programming and membership/recruiting. The Division envisions strengthening programming by identifying local program coordinators several years in advance. Committees with similar functions will be merged so to operate more effectively. Retaining members continues to be a challenge and a Member Activities committee was proposed that would strengthen recruiting efforts and plan social activities.

Division awards were discussed. Most awardees receive their awards at the fall meeting but they should have the option to decide which meeting to receive the award. The EC was reminded that Division award nominations would be due on November 1st.

Secretary Anna Cavinato reported election results. About 12.5% of the membership participated in the election. She also shared a report card developed for the Division by ACS with statistical information about the performance of the Division over the last five years.

Treasurer Al Ribes reviewed the current and proposed budget. An expected deficit of \$34,000 was predicted largely due to increased activities in 2013 for the 75th anniversary celebrations. A discussion followed to solicit sponsors to support social events.

The Subdivision of Chromatography and Separation Science was represented by Brian Bidlingmeyer. He proposed to the Division that a line be added to the Young Investigator Award sponsored by Agilent "in memory of Walter Jennings." The Executive Board voted unanimously to accept this change.

Committees reports included Awards Canvassing (Thom Rossi), Nominating (Sue Lunte), Newsletter (Faye Rubinson, new editor), and Web (Roland Hirsch). Rick Kelly, representing the Analytical Sciences Digital Library (ASDL) presented a summary of ASDL activities and a budget proposal for 2013. It was suggested that ASDL becomes a committee within the Division structure.

Reports were also presented by FACSS delegates Bonner Denton and Charles Wilkins and EAS delegate Brian Bidlingmeyer.

The meeting concluded with an extensive discussion of events and celebrations for the 75th anniversary. A special edition of *Analytical Chemistry* was proposed by editor Jonathan Sweedler.



SUE LUNTE RECEIVES HIGUCHI-KU AWARD

Sue Lunte has been named one of the recipients of Kansas's most prestigious recognition for scholarly excellence: the Higuchi-KU Endowment Research Achievement Awards. The awards were established in 1981 and recognize the exceptional long-term research accomplishments of faculty at Kansas Board of Regents universities. Sue is the recipient of the Dolph Simons Award in Biomedical Sciences. She is director of the Ralph N. Adams Institute for Bioanalytical Chemistry and director of the recently announced COBRE Center for the Molecular Analysis of Disease Pathways, funded by the National Institutes of Health. She came to KU in 1987 as an assistant scientist in the Center for Bioanalytical Research, becoming its director in 1994 and a faculty member in 1995. Her academic background includes a bachelor of arts from Kalamazoo College and a doctorate from Purdue University.



KOLTHOFF AWARDS

Applications for Awards for Undergraduate Research Now Open

Applications are invited for the 2013 I. M. Kolthoff Award for undergraduate research in analytical chemistry. The I.M. Kolthoff Award is given annually to deserving undergraduates who have done undergraduate research in the field of analytical chemistry, broadly defined, in celebration of the life and accomplishments of the late Professor Izaak Maurits Kolthoff, viewed by

many as the father of modern analytical chemistry. The Kolthoff awards provide travel funding up to \$750 for undergraduate students to present a poster on their undergraduate research this year at either PITTCON 2013 (March 17 - March 21, 2013; Philadelphia, PA) or the Spring ACS National Meeting & Exposition (April 7-11, 2013; New Orleans, LA). The deadline for submission of completed applications for the 2013 competition will be **December 1, 2012**. A description of the application procedure and details can be found on the Division' website at <http://www.analyticalsciences.org/awards.php>

2013-2014 Kolthoff Graduate Fellowship Program

The ACS Division of Analytical Chemistry is currently inviting student applications for its 2013-2014 Graduate Fellowship Program. This year, the division is moving to online applications, making the application process easier for students and for those submitting recommendations. The Kolthoff Awards Program, now in its 65th year, provides both nine-month and summer (three-month) fellowships to promising analytical chemistry graduate students to support their thesis research. The current stipend levels are \$21,000 for the nine-month fellowships and \$7,000 for the three-month summer fellowships. Complete information about the program, eligibility criteria, instructions for preparing the application package, and downloadable application forms may be found at the program website:

www.southwestern.edu/departments/chemistry/acsgraduatefellowship

Applications must be submitted electronically by **December 14, 2012**, to be considered for 2012-13 fellowships. The Graduate Fellowship Committee will meet at PittCon in March 2013 to select fellowship award winners, and we expect to notify the recipients shortly after PittCon.



Emily Niemeyer and Paul Edmiston
Co-Chairs, ACS Division of Analytical Chemistry
Graduate Fellowship Committee

NEWS FROM FACSS

Gary Hieftje Receives DAC Recognition at SciX

Gary Hieftje (pictured at left with Dave Koppenaal) was the recipient of the ACS Division of Analytical Chemistry Award for Distinguished Service in the

Advancement of Analytical Chemistry during the recent SciX in Kansas City. The award is sponsored by Waters Corporation.

FACSS welcomes three international societies as new member organizations

The Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) is pleased to announce that at their recent Governing Board meeting in March three new member organizations, namely the AES Electrophoresis Society, the Spectroscopical Society of Japan (SpSJ), and the North American Society for Laser Induced Breakdown Spectroscopy (NASLIBS), have been accepted to the federation as full member organizations. The Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) is an organization designed to further the interests of analytical chemistry and spectroscopy on behalf of its member organizations. In 1973, FACSS was founded as a federation of member organizations for the exchange of ideas at the forefront of analytical sciences. Over the last thirty nine years FACSS has pursued five critical objectives to realize the Federation's goals: A. Education and Training,

B. Advancement of Knowledge, C. Advancement of Technology, D. Social and Professional Peer Networking, and E. Promotion / Enabling of Interests of Member Organizations.

With the addition of the AES Electrophoresis Society, the Spectroscopical Society of Japan (SpSJ), and the North American Society for Laser Induced Breakdown Spectroscopy (NASLIBS), to the federation's existing member organizations [Division of Analytical Chemistry of the American Chemical Society, American Society for Mass Spectrometry (ASMS), ANACHEM, the Coblenz Society, the International Society for Automation (ISA) – Analysis Division, the Royal Society of Chemistry (RSC) Analytical Division, and the Society for Applied Spectroscopy (SAS)], FACSS is now 10-member societies strong. This expansion reflects a unique element of FACSS and its annual North American meeting, SciX, in that all areas and aspects of analytical chemistry and spectroscopy are welcome, bringing together leading scientists from among many disciplines for **scientific exchange**. FACSS believes that the addition of these three member organizations will enhance its ability to serve the analytical chemistry and spectroscopy

FROM GRAHAM COOKS AND ED YEUNG, CO-EDITORS OF ANNUAL REVIEWS IN ANALYTICAL CHEMISTRY

Dear Analytical Chemist:

Graham Cooks and I wish to convey our warmest greetings on behalf of Annual Review of Analytical Chemistry. You will recall that a complimentary copy of the inaugural volume of this series was sent to each of you. We hope you have found the monograph useful in your daily practice of our discipline. We would like to bring your attention to the latest volume, for which the Table of Contents can be accessed at <http://www.annualreviews.org/toc/anchem/5/1>. We are particularly pleased to have the support of the community, vaulting the series to the premier position of analytical chemistry journals (impact factor > 10). If you have any comments regarding how the series can serve you even better, please send them to Graham (cooks@purdue.edu) or myself (yeung@ameslab.gov).

Edward S. Yeung and Graham Cooks, Co-Editors
Annual Review of Analytical Chemistry