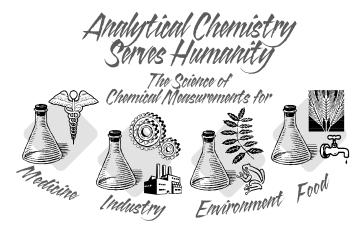


AMERICAN CHEMICAL SOCIETY DIVISION OF ANALYTICAL CHEMISTRY NIEWICL ETTED

NEWSLETTER





ACS 232nd National Meeting and Exposition Sept. 10 - 14, 2006 San Francisco, CA

FALL 2006 EDITION

From the Chair



Professor Christie G. Enke, Division Chair

Your current Executive Committee is working hard to find ways to make the Analytical Division a more important part of your professional life. We are motivated by a sense that some significant changes are desirable, a release from the limitations inhibiting thoughts of

change, and the realization that substantial and beneficial changes are really possible.

Strategic planning motivates introspection and creativity

The ACS organization has been undergoing strategic planning in a recognition that chemist's needs, as supplied by their professional organizations, are changing. The Society has paid for five members of the ANYL Executive Committee to receive training in strategic planning specifically aimed at ACS Divisions. So, to a significant degree, we have already begun this process. Fundamental questions arise like, "Are we putting our time and effort into the things that are most needed?" and "What could we be doing to better support our member's professional lives?"

Your participation is sought

The Analytical Division is having a strategic planning session in early September this year. In preparation for this session, we will be interviewing Division members to get their opinion on current effectiveness and future directions. We cannot talk to all 11.000

of you, but we don't want to miss anyone who would like to be involved. To take part in these interviews, please email me (enke@unm.edu) or Treasurer Al Ribes (AJRibes@dow.com). We urge you to take part in this process.

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What has already been accomplished

Strategic planning can be a very freeing process. We have found that major changes are possible (even encouraged) without a single change at the Society level.

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EXECUTIVE COMMITTEE

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TREASURER

Al Ribes (2005–2006) The Dow Chemical Company 2301 Brazosport Boulevard, B-1463 Freeport, Texas 77541 (979) 238-1581 - FAX (979) 238-0100 aribes@dow.com

COUNCILORS

Michelle Buchanan, Alanah Fitch, Roland F. Hirsch, and Catherine Fenselau

ALTERNATE COUNCILORS

Henry N. Blount, Charles L. Wilkins, William Heineman, and Sally Stafford

PAST CHAIRS

John H. Callahan M. Bonner Denton

STANDING COMMITTEES

ACS Regional meeting liason Nadja B. Cech Awards Canvassing - Fred M. Hawkridge Eastern Analytical Symposium Delegates Donald D. Bly & Barbara B. Kebbekus Education - Cindy Larive FACSS Delegates - John Olesik, David Tuschel, and Diane Parry **FECS ANYL Delegate** Malgorzata Ciszkowska Financial & Long Range Planning M. Bonner Denton Graduate Fellowship Richard F. Dallinger Newsletter Editor Victor Ryzhov Pfizer Graduate Travel Award Paul Edmiston Publicity Carol Korzeniewski **Undergraduate Awards** Howard D. Dewald World Wide Web Editor Roland F. Hirsch

SUBDIVISION OF CHROMATOGRAPHY AND SEPARATIONS SCIENCE

Chair Brian A. Bidlingmeyer Secretary Robert L. Stevenson

ANYL HOMEPAGE www.acs-analytical.duq.edu

The Analytical Division Technical Program for the San Francisco ACS National Meeting

Chris Enke, Program Chair

Moscone Convention Center	Su	Mo	Tu	We	Th
Analytical Approaches: Electroanalytical Chemistry	Α				
Extreme Chromatography and Separations	Α				
Honoring Andrew Ewing, Recipient of the Chemical Instrumentation Award	A				
Detection of Process-Induced Contaminants and Biohazards in Foods	P				
Honoring Neil Kelleher, Recipient of the Arthur F. Findeis Award	P				
NMR Then and Now: Honoring Ted Becker, Recipient of the Analytical Chemistry Service Award Supported by Varian, Inc	P				
The Essential Role of On-line Separations for Mass Spectrometry Based Proteomics Supported by Thermoelectron Corp	P				
General Papers	Е				
Has Cavity-Enhanced Detection Come of Age?		Α			
Development and Applications of Metabonomic/Metabolomic Methods of Analysis		D			
Remembering Ted Williams		D			
Characterization of Polymorphic Compounds and Mixtures		P	Α		
Sci-Mix		Е			
Bioanalytical Applications of Ion Mobility Mass Spectrometry, Supported by Waters Corporation			A		
Honoring Joe Wang, Recipient of the Electrochemical Analysis Award			A		
Honoring Mary Wirth, Recipient of the Spectrochemical Analysis Award** (WCC)			P		
Methods Development for Pharmaceutical Analysis			P		
New Directions and New Techniques in Separation Science and Biomarker Discovery			P		
Analytical Approaches: Sensors				Α	D
Analytical Approaches, Spectroscopy				Α	
Interfacing Biology with Lab-On-A-Chip Separations				Α	
Analytical Approaches: Mass Spectrometry				P	Α
Analytical Approaches: Separation Science				P	Α
Honoring Alanah Fitch, Recipient of the J. Calvin Giddings Award for Excellence in Analytical Education** (WCC)				P	
Analytical Approaches: Novel Materials					P
Analytical Approaches: Various Techniques and Applications					P
Co-sponsored Symposia:					
Chemistry of Wine* (YCC)	Р				
Dr. Percy L. Julian - Scientist, Humanist, Educator, Entrepreneur, and Inspirational Trailblazer* (CMA)		D			
Undergraduate Research Poster Session: Analytical Chemistry* (CHED)		P			
In Situ Spectroscopic Monitoring in Process Development and Production (Sponsored by Novel Chemistry with Industrial Applications Sub-Division)* (IEC)				A	
Uncovering the Metabolome and Metabolic Defects* (BIOL)				A	

Legend

 $\mathbf{A} = AM; \mathbf{P} = PM; \mathbf{D} = AM/PM;$

 $\mathbf{E} = \text{EVE}$; $\mathbf{DE} = \text{AM/PM/EVE}$; $\mathbf{PE} = \text{PM/EVE}$;

^{*} Cosponsored symposium, primary organizer(s) shown in parentheses.

^{**} Primary organizer, cosponsoring organizer(s) shown in parentheses.

(continued from page 1)

Consideration of attendance patterns and scheduling conflicts among Analytical meetings has led to the decision to carry out limited programming at Pittcon in March 2007 and to substantially enhance the Analytical presence at the Fall 2007 meeting in Boston. By this one-year experiment, we will determine the relative merits of co-programming with Pittcon in the spring, the effectiveness of reaching our membership which is largely at Pittcon, and the degree to which we can make the Fall ACS Meeting a compelling Analytical Event.

The Analytical Division is your professional community

Membership in the Division far exceeds the number of Analytical attendees at National ACS Meetings. On this basis, we conclude that people join the Analytical Division, at least in part, for a sense of belonging and professional identity. The Analytical Community is unusually diverse in its interests, methods, and applications. Therefore, communication among members in this community is particularly enriching, if only because of its diversity. One method of community building is through meetings, but that is increasingly not the only way. There are teleconferences, on-line meetings, chat rooms, and other web services. We would very much like your input. What can be done to increase your sense of belonging and participation? What would you like to see as a component of ACS meetings? What web services could The Division support that would help you in your work and career choices? If you have any thoughts along these lines, please email them to me (enke@unm.edu) or ask to be interviewed by a strategic planner.

As I said in the recent email to you all, "Things are happening; we are listening." What are your needs? How can we help? Please let us know.

Yours, Chris Enke

Analytical Division Long Range Planning and Executive Committee Meetings

The meetings will be held on Saturday, September 9 at the Moscone Center. Room 123, 8:30-5:00 pm. Formally, the Long Range Planning Committee meeting will be in the morning and the Executive Committee in the afternoon. We are inviting as many of the strategic planning participants and Executive Committee members as can to attend the long range planning meeting. This will be the time to convert the recommendations of the strategic planning group into actionable items for the Executive Committee meeting to follow. Lunch is provided. Both meetings are open to all Analytical Division members. Members are encouraged to suggest topics for the

agenda by sending them to Steve Petrovic, the Division Secretary (PetroviS@sou.edu).

Analytical Division – Support of Symposia at Regional ACS Meetings

The Analytical Division has a speaker's fund to help support programming at the regional American Chemical Society meetings. Awards will generally be made to support a thematic symposium. Funds can be used to support travel expenses of an expert in the field who would not normally attend that particular regional meeting. It is expected that local speakers will then be included to fill out the symposium. Alternatively, funds can be requested to provide more modest levels of support to several speakers from The Division will help the region. regional planners identify possible speakers for symposia topics, if necessary. Applications for support are considered on a rolling basis until the yearly allocation of funds has been expended. There is no formal application process. Anyone interested in applying for an award should contact Nadja Cech (nadja cech@uncg.edu) by email to discuss the nature of the symposium and the funds that are needed to help support the program.

Results of the 2006 Division of Analytical Chemistry Elections

Chair-Elect: Dr. Isiah M. Warner, *Louisiana State University*

Treasurer: Dr. Al Ribes, *Dow Chemical Company*

Councilors: Dr. Alanah Fitch, Loyola University Chicago

Dr. Roland F. Hirsch, U.S. Department of Energy

Alternate Councilor: Dr. Bonner Denton, University of Arizona

On behalf of Division of Analytical Chemistry - ACS, Campus-Vote.com conducted an election for the positions of Chair-Elect, Treasurer, and Councilor from June 1, 2006 to July 10, 2006. Of the 1348 total voters participating, 1332 made a selection for one or more candidates while 16 abstained.



MASS SPECTROMETRY at FACSS 2006!

Disney's Contemporary Resort Sept. 24-28, Lake Buena Vista, FL

We welcome **ASMS** to the FACSS family as the newest member society!

The FACSS 2006 Technical Program features a wide range of symposia and workshops focused on Mass Spectrometry.

MS Instrumentation ♦ Forensics Atomic MS ♦ Environmental Applications

33rd Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies

See facss.org for more FACSS 2006 details!

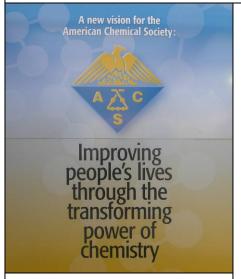
FACSS member organizations are ACS-Analytical Division, ASMS, ANACHEM, The Coblentz Society, ISA-Analysis Division, RSC, and Society for Applied Spectroscopy (SAS). FACSS is the National Meeting for SAS.

The Enabling Technologies for Proteomics (ETP) Symposium is seeking nominations for the 2007 Ken Standing Award.

The Ken Standing Award has been created to honor the life time achievement of Ken Standing, Emeritus Professor at the University of Manitoba. The award will be given to a young scientist who has made a significant contribution to the development of technology related to life sciences. The deadline for submissions is December 15, 2006. The award will be presented at the 2007 ETP Symposium on May 10, at the MaRS District Discovery Centre in Toronto. For more information and to complete a submissions form, please go to ETP Symposium website.

Scientific Advisory Committee
International Symposium on Enabling Technologies for
Proteomics (ETP Symposium)
PO Box 1166
Sharon, Ontario
LOG 1V0
CANADA

email: award@etpsymposium.com website: www.etpsymposium.com



Call for Contributions

Contributions are solicited for the next Division of Analytical Chemistry newsletter (Spring 2007, electronic edition).

Please, send your contributions (such as announcements, upcoming meeting programs, transcription of speeches of general interest to analytical chemists, pictures, etc.) or suggestions to Victor Ryzhov, the DAC newsletter editor at ryzhov@niu.edu.

Academic Employment Initiative at the Fall ACS Meeting

Will your department be hiring new faculty this year? If so, plan to attend the Academic Employment Initiative (AEI) at the SciMix poster session at the ACS National Meeting, Monday evening, September 11, from 8-10 PM at the Moscone Convention Center -- Hall D in San Francisco, CA. This is the third year of the AEI, an ACS presidential program designed to support the academic hiring process by making it easier for departmental representatives to meet and interact informally with candidates.

Candidates seeking faculty positions will use the AEI Poster Session at SciMix to present posters about their current research, expanding on their research interests, teaching philosophy, and experience. Faculty recruiters are invited to take advantage of this opportunity to meet as many candidates as possible.

Brief biographical sketches of each of this year's candidates will be available at www.chemistry.org/aei.html. Further information can be found at that website or by writing to GradEd@acs.org.

Choosing a graduate school? Need to know who is doing research critical to yours?

Consult the DGRweb, which is the searchable, online version of the ACS Directory of Graduate Research (DGR), now available free of charge at http://chemistry.org/education/DGRweb. The ACS Directory of Graduate Research is the most comprehensive source of information on chemical research and researchers at universities in the U.S. and Canada. Using this online directory, one may search for both faculty and institutions. Search for faculty includes specific re-search area, academic rank, gender, and state, and the search results produce complete contact information for faculty including direct links to faculty email addresses and web pages. Institutional searches provide all departmental contact information along with statistical data on the number of faculty and students in the department and a complete list of faculty active in graduate research. DGRweb 2005 also includes access to the complete 1999, 2001, and 2003 databases.

"Celebrating the Diversity of Science"

at the 2006 Eastern Analytical Symposium and Exposition

by John L. Martin, Jr.



The analytical chemist of today is faced with a broad range of everchanging demands. These challenges require the analytical chemist to be well versed in a wide range of scientific areas. Many of these challenges require the use traditional analytical techniques such vibrational and molecular spectroscopy, chemical separations, and thermal analysis. However, today, we see unique applications of these techniques in such diverse fields as forensic science, quality assurance, art conservation, drug discovery, and occupational exposure nanotechnology monitoring and development.

Through its various programs, the Eastern Analytical Symposium and Exposition (EAS) brings together the diverse aspects of science to address the practical problems faced in today's laboratory, and to provide scientists with practical solutions to real-world problems. The theme for 2006 EAS is "Celebrating the Diversity of Science." Building upon this theme, the 2006 Symposium will focus upon coupling the latest developments in analytical chemistry with diverse application fields.

The 2006 EAS will be held on November 13–16, 2006, at the Garden State Exhibit Center and hotel complex in Somerset, NJ. EAS is the second largest conference and exposition for laboratory science in

the U.S. We offer high-quality, cutting-edge technical sessions; state-of-the-art short courses, and workshops and seminars; and showcase the latest innovations in scientific instrumentation and technology.

One of the critical components of this year's meeting will be its extensive technical program. The program will again focus on providing practical solutions to address the diverse challenges faced by today's scientists. Some of the key topical areas that will be presented as part of our technical program include Art Conservation Science, Chemometrics, Chromatography, Nanomaterial Characterization, Quality Assurance, Near Infrared Spectroscopy, Process Analysis, and Industrial Hygiene.

A highlight of this year's program will be our celebration of the 60th anniversary of nuclear magnetic resonance (NMR) spectroscopy. As part of this celebration, Dr. Angela Gronenborn will be recognized as the recipient of the 2006 EAS Award for Achievements in Magnetic Resonance. Other prominent scientists who will be recognized for their exceptional achievements include Dr. Andrew Ewing (2006 EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry), Prof. Gabor Patonay (2006 EAS Award for Achievements in Near Infrared Spectroscopy), Dr. Phyllis Brown (2006 EAS Award for Achievements in Separation Science), Dr. Age Smilde (2006 EAS Award for Achievements in Chemometrics), Dr. Ira Levin (2006 New York Section of the Society for Applied Spectroscopy Gold Medal Award), Prof. Steven Soper (2006 American Microchemical Society Benedetti-Pichler Award), and Dr. John C. Russ (2006 New York Microscopical Society Ernst Abbe Memorial Award).

Another important aspect of EAS is its well-valued educational programs. These include short courses, workshops, and educational seminars. Our short courses are designed to allow attendees to gain insights into the latest technical developments and apply them to meet their specific needs. Our workshops, which are

presented by a variety of leading technical vendors, focus on providing attendees with efficient and effective tools and techniques for addressing practical analytical problems. Our educational seminars are designed to target the analytical chemists of the future by providing them with the practical information that will allow them to make educated career choices. This year's offerings include "Analytical Chemists in Industry: What Does an Analytical Chemist Do?," "Analytical Chemistry Forensic Science," "Developing and Marketing Pharmaceuticals," and "The Role of Science in Criminal Investigation: A Seminar for High School Teachers."

One of the greatest strengths of EAS continues to be the exceptional vendor exposition. The exposition provides vendors with the opportunity to showcase their current products, developments, and latest innovations in instrumentation and technology to a highly targeted audience. For attendees to the exposition, they have the opportunity for face-to-face interactions with the technical vendors. This can help to facilitate the rapid review of current technologies and expedite the decision-making process for the acquisition of new instrumentation.

Each EAS program is designed to provide our attendees with practical and timely solutions for their diverse analytical needs. Additionally, it provides attendees with an atmosphere in which scientists from a broad range of different backgrounds can get together to share and learn from each other.

On behalf of the 2006 EAS governing board and sponsoring organizations, I warmly invite you to join us in "Celebrating the Diversity of Science." Whatever your scientific field or area of expertise, I believe the 2006 Eastern Analytical Symposium and Exposition has something that will enhance and broaden your skills. For more information, please visit our Web site at: www.eas.org

John Martin, EAS President, 2006

tel: 301-682-3701; fax: 301-668-4312;

e-mail: askeas@aol.com

Analytical Division Dinner

at the San Francisco ACS Meeting at McCormick and Kuelto's Restaurant

Come join us for the Analytical Division Dinner on Monday night at *McCormick & Kuleto's Restaurant*, a San Francisco restaurant known for its excellent food with beautiful rooms that look out through large windows onto the water. *McCormick & Kuleto's Restaurant* is located at 900 North Point Street, not far from the Golden Gate National Recreation Area. The restaurant "prepares fresh seafood in a traditional manner with a contemporary twist, as well as many other original favorites such as sirloin steak & pastas" [http://www.mccormickandschmicks.com].

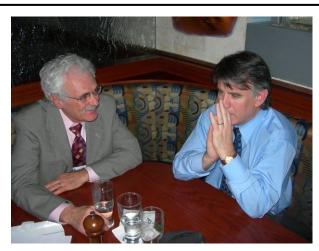


900 N. Point St. Monday, September 11th 6 pm

At this year's dinner in San Francisco, we will honor our analytical award winners including Andrew Ewing, Recipient of the Chemical Instrumentation Award; Neil Kelleher, Recipient of the Arthur F. Findeis Award; Joseph Wang, Recipient of the Electrochemical Analysis Award; Mary Wirth, Recipient of the Spectrochemical Analysis Award; and Alanah Fitch, Recipient of the J. Calvin Giddings Award for Excellence in Analytical Education. A reception with cash bar begins at 6 pm with dinner served at 7 pm in a private room. Besides the great food, this is a terrific opportunity to chat with your analytical friends in a congenial atmosphere, talk with Division officers, and personally congratulate our awardees.

If you haven't made it to the Analytical dinner in the past, now is the time to start! Tickets are available through online registration with a few additional tickets sold onsite. The ticket price is \$60 (at cost). The spring dinner was oversold so we enthusiastically encourage advanced registration online!

Don't miss out on excellent food and great company! We hope to see you there!



Division Chair Chris Enke (left) talking to Past Chair John Callahan

At the Division Dinner in Atlanta



Dinner at the Ray's in the City



Left to right: Treasurer Al Ribes, Carolyn Ribes, Chair-Elect Laurie Locascio, Chair Chris Enke, and Secretary Steve Petrovic

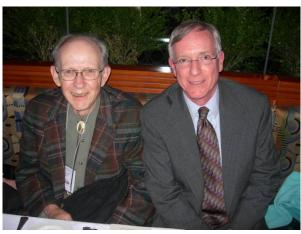


Dr. Cynthia Larive (right) presents the I.M. Kolthoff Enrichment Award for Undergraduate Students to Ms. Laura Peterson

Honoring the ACS 2006 National Award Winners at the Division Dinner in Atlanta



Prof. Milos V. Novotny (Indiana University) pictured with his wife, was a recipient of the **ACS Award in Analytical Chemistry** sponsored by Battelle Memorial Institute

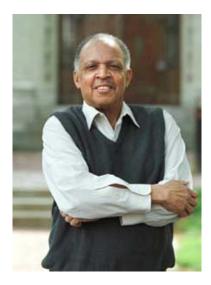


Prof. John G. Dorsey (Florida State University) pictured with his advisor T.W. Gilbert (left) won the **ACS Award** in **Chromatography** sponsored by SUPELCO, Inc.



Frank H. Field & Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry sponsored by The American Chemical Society was awarded to Prof. Richard M. Caprioli (Vanderbilt University) pictured here with his wife

Analytical Division Sponsors Symposium "Remembering Ted" at the Fall ACS Meeting



"95% of the work is done by 5% of the people." -Tedism.

Theodore "Ted" R. Williams (1930-2005) was one of the most recognizable people in analytical chemistry and the world of chemical education. As one of first black analytical chemists, one would assume this would be enough for him to stand out in a crowd. Rather, it was his passion, charisma, tireless generosity, and resonant laugh that truly set him apart. Ted led the Analytical Division as Chair in 1999-2000. During his 42-year tenure teaching chemistry at the College of Wooster, he received Chemical Manufacturer's Catalyst Award and the American Chemical Society Teaching Award. He also received the Association of Independent Colleges and Universities of Ohio Award, and the Percy L. Julian Award from the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers. Throughout his days as a teacher, he was a mentor and guide for countless students remembered for his famous "walks around the block" and hundreds of books he gave to friends and even people he just met. In recognition for his commitment to inspiring others, Ted received the prestigious Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring in 2001.

Those that were fortunate to have worked with Ted will know that he demanded excellence in himself and those he encountered. He was never satisfied with "just enough." For all the awards and accolades given to Ted, the only item that hung on his office wall was a poster from the chamber music series he ran each year bringing world-renowned musicians to the small town of Wooster. In order to recognize, celebrate, and in many ways continue what Ted began, the Analytical Division has sponsored a symposium at the Fall ACS Meeting in San Francisco entitled "Remembering Ted." The pair of sessions held Monday, September 11 will focus on mentoring, education, and giving of oneself. The event will not only provide us, the chemistry community, a chance to share stories about one of our friends, but will hopefully inspire us to be better in our profession and lives.

Recipients of the Division of Analytical Chemistry Awards 2006

Award for Distinguished Service in the Advancement of Analytical Chemistry Sponsored by the Waters Corporation:

Edwin D. Becker, National Institutes of Health Becker is known particularly for his research, teaching and writing on NMR spectroscopy, including several textbooks, an ACS audio course, and historical articles. He has served as an Associate Director of NIH, Secretary General of IUPAC, and in various ACS positions.





Award for Young Investigators in Separation Science Sponsored by Agilent Technologies:

Christopher T. Culbertson, Kansas State University Culbertson's current research interests include the development of micro-fluidic devices for cell culturing and single cell analysis, the use of sol-gel chemistry to create novel structures in microfluidic devices for sample handling and separations, and application of nanoscale separation techniques to the identification of insect hormones and proteins.

Award in Electrochemistry Sponsored by Cole-Palmer Instrument Co.:

Joseph Wang, Arizona State University (ASU) and Center for Bioelectronics and Biosensors at the ASU Biodesign Institute Wang's research interests include nanobiotechnology, bioelectronics, nanomaterials-based sensors, microfluidic biochip devices, enzyme electrodes, DNA and protein recognition and diagnostics, and electrochemical sensing devices for environmental, security, and clinical monitoring.





Award in Spectrochemical Analysis Sponsored by the Division of Analytical Chemistry:

Mary J. Wirth, BIO5 Institute for Collaborative Bioresearch, University of Arizona Wirth's current research interests are in singlemolecule studies of biosensing and drug binding, and new materials for bioanalytical separations

Recipients of the Division of Analytical Chemistry Awards 2006

Award in Chemical Instrumentation Sponsored by the Dow Chemical Foundation:

Andrew G. Ewing, Penn State University



Andrew G. Ewing is a professor of chemistry, professor of neural and behavioral science, and J. Lloyd Huck Chair at Penn State University. Ewing's research interests include electrochemical, separations, and mass spectrometry imaging based methods for the analysis in volume-limited samples including single nerve cells and the brains of fruit flies.

J. Calvin Giddings Award for Excellence in Education Sponsored by the Dekker Foundation:

Alanah Fitch, Loyola University Professor Fitch has received international recognition and numerous awards for the development of community-centered, project-based curricula for the analytical chemistry laboratory. She was a recent NSF Discovery Corps Fellow in which she engaged three universities in East Africa in real-time control of instrumentation via the web. She is a member of the newly constituted Committee on Ethics of the American Chemical Society and an Associate Editor for the Analytical Sciences Digital Library.



ACS Division of Analytical Chemistry Arthur F. Findeis Award for Achievements by a Young Analytical Scientist Sponsored by Philip Morris USA:

Neil Kelleher, University of Illinois



Professor Neil Kelleher has received several awards including the Presidential Early Career Award in Science and Engineering, a Camille Dreyfus Teacher-Scholar, a Sloan Fellow, a Packard Fellowship, the NSF CAREER Award, the Lilly Analytical Chemistry Award, and support from the Burroughs Wellcome, the Searle, and the Dreyfus Foundations. Kelleher has interest in Mass Spectrometry-based enzymology and "Top down" proteomics using intact proteins for efficient detection of their post-translational modifications (such as those found in chromatin).

Congratulations to the Division Awardees!

Subdivision of Chromatography and Separations Chemistry News

The ACS meeting in San Francisco (September 10-14, 2006) is to be an exciting venue for the separation scientists. In addition to the other organized sessions, there are 4 sessions specifically focused on separations which will be informative to all who attend. Those sessions were organized under the auspices of the Subdivision and will be held in the Moscone Convention Center.

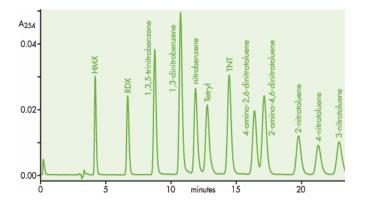
<u>Sunday AM:</u> "Extreme Chromatography and Separations," organized by Jerry King and Richard Adlof, Chemistry Dept, University of Arkansas and Rich Adlof at NCAUR-ARS/USDA)

<u>Sunday PM:</u> "The essential role of on-line separations for mass spectrometry based proteomics," organized by Michael MacCoss, Dept of Genomic Science, University of British Columbia.

<u>Tuesday, PM:</u> "New directions and new techniques in separation science for biomarker discovery," organized by David Chen, Dept. of Chemistry, University of British Columbia.

Wednesday AM: "Interfacing Biology with Lab-On-A-Chip Separations," organized by Susan Lunte, Dept. of Pharmaceutical Chemistry, University of Kansas.

These sessions cover a wide range of separation interests and should be a "must attend" for separation scientists in our Subdivison.



Nominations are invited for the 2007 ACS Division of Analytical Chemistry Award for Young Investigators in Separation Science. This award is sponsored by Agilent Technologies, a distinguished leader in the field of separation science. The purpose of this award is to recognize and encourage outstanding contributions to the field of separation science by a young chemist or chemical engineer. The award will consist of a \$4000 honorarium, a plaque, and a special award symposium to be held at the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy.

Nomination is open to young chemists or chemical engineers of any nationality from academia, industry, or national laboratories. The nominee must have earned his or her highest degree within ten years of January 1 of the year of the award (2007). Evidence shall be presented for one or more of the following outstanding accomplishments:

- 1. Conceptualization and development of unique instrumentation for separations
- 2. Development of novel and important separation methods or methodologies
- 3. Elucidation of theory or fundamental processes involved in separations
- 4. Other significant contributions to the furtherance of separation science

We invite you to consider your most worthy young colleagues in academia, industry, or national laboratories and nominate them for the 2007 ACS Division of Analytical Chemistry Award for Young Investigators in Separation Science. A description of the nomination process can be found on the website for the ACS Division of Analytical Chemistry (www.acs-analytical.duq.edu/dac_awards.htm). The deadline for nominations is November 1, 2006.

<u>Other meetings</u>, in addition to the ACS meeting in San Francisco, happening this year and of potential interest to our Subdivision members as they focus on separations are listed in the table on the next page.

Sept. 24-28, Buena Vista, FL http://facss.org/facss/index.php	Title	Dates	Location	URL
Sight International Symposium on Capillary Electrosperation Techniques 2006	International Symposium on Chromatography (ISC -	Aug. 21-25,	Copenhagen,	http://www.isc06.dk/
Electroseparation Techniques 2006 Mass Spectrometry in the Biotechnology and Pharmaceutical Industries 232nd National Meeting & Exposition American Chemical Society Analytica Chemistry and Spectroscopy Societies (FACSS) 33rd Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) 10th Annual International Industries Sept. 24-27, Pittsburgh, PA 2006 Galveston TX Nov. 8-10 2006 MSB 2007: 20th International Symposium on Hesperation and Characterization of Natural and Symposium on Hesperation and Characterization of Natural and Symposium on Hesperations The Pitsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PittCon' 07) 10th International Symposium on Hesperations The Pitsburgh Conference on Analytical Chemistry and Applied Spectroscopy (PittCon' 07) 10th International Symposium on Hesperations 123rd Annual Meeting & Exposition 2006 Sept. 10-14, USA San Francisco, CA 10th Mittp://www.casss.org/meetings/re specifical Standard Fechical Standard		2006	Denmark	_
Third Symposium on the Practical Applications of Mass Spectrometry in the Biotechnology and Pharmaceutical Industries 232nd National Meeting & Exposition American Chemical Society 2006		Aug. 28-30,	Paris, France	www.itp2006.espci.fr
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31st International Symposium on Capillary Chromatography and Electrophoresis Nov. 28-30, 2007 Albuquerque, NM www.casss.org			Albuquerque, NM	www.casss.org

Pfizer Travel Grant Awards

The deadline for receipt of applications is September 1, 2006, for participation in the Pittsburgh Conference on Analytical Chemistry in Chicago, February 25 to March 1, 2007. Important: Abstracts for the poster presentation must be submitted to the PittCon by August 1, 2006. A Pfizer Graduate Travel Award application is only possible if an abstract was submitted by the August 1 deadline.

See DAC website for details http://www.acs-analytical.duq.edu/Pfizer Award Description.html or contact Paul Edmiston at pedmiston@wooster.edu.

The following graduate students received the Pfizer Travel Grant Awards for travel to the Spring 2006 ACS Meeting in Atlanta:

- Matt Alexander, Idaho State University
- Daisy-Malloy Hamburg, University of Cincinnati
- Jacqueline Stair, University of Texas at Austin
- Becky Treu, Saint Louis University
- Yuping Williamson, Southern Illinois University

The following graduate students were selected to receive the Pfizer Travel Grant Awards for travel to the Fall 2006 ACS Meeting in San Francisco:

- Kelley Algernon, Louisiana State University
- J. Ryan Bailey, Bucknell University
- Stacie Eldridge, University of California, Riverside
- Kimberly Denise Smith, Emory University

The Division thanks Pfizer for continuing support of the award!



Two of the 2006 Pfizer Travel Grant Award winners, **Matt Alexander** (Idaho State University) and **Yuping Vivian Williamson** (Southern Illinois University-Carbondale) pictured at the Analytical Division Dinner at the Spring 2006 ACS meeting in Atlanta.

Analytical Division Graduate Fellowships

Richard F. Dallinger, Wabash College

The DAC Graduate Fellowship Committee is pleased to announce that the following graduate students have been awarded Division of Analytical Chemistry graduate fellowships (nine-month and summer) for 2006-2007. We are extremely grateful to the sponsors listed below for their financial support of the Graduate Fellowship Program and for supporting the attendance of their committee representatives at PittCon 2006 in Orlando.

Fellow	Institution	Advisor	Sponsor			
Nine-month Fellowship Recipients:						
Nick Cellar	Michigan	Robert Kennedy	Procter &			
			Gamble			
Dwight Stoll	Minnesota	Peter Carr	Eli Lilly & Co.			
Lin Wang	Florida	Weihong Tan	GlaxoSmithKline			
Oh Kyu Yoon	Stanford	Richard Zare	SACP			
Summer Fellowship Recipients:						
Paul Boswell	Minnesota	Philippe Buhlmann	Eastman			
			Chemical			
Qiang Fu	Wisconsin	Lingjun Li	DuPont			
Suminda	Arizona	Craig Aspinwall	J&J-PRD			
Hapuarachchi	1111101111	Crang . ropin wan				
Richard Paproski	Alberta	Charles Lucy	SACP			

(SACP = Society for Analytical Chemists of Pittsburgh, J&J-PRD = Johnson & Johnson Pharmaceutical Research and Development)

Honorable Mention:

<u>Applicant</u>	<u>Institution</u>	Thesis Advisor
Jamie Iannacone	llinois	Jonathan Sweedler
Philip Remes	North Carolina	Gary Glish
Hamed Shadpour	Louisiana State	Steven Soper

An article announcing and congratulating these graduate fellowship recipients and honorable mention students was to appear in a recent edition of *Analytical Chemistry*.

Graduate Fellowship Alumni Notes: Three of the thesis advisors to 2006-2007 Graduate Fellows were previous recipients of a DAC Graduate Fellowship. **Peter Carr**, advisor to Dwight Stoll, was a 1967 Summer Fellow. **Robert Kennedy**, advisor to Nick Cellar, was a 1987 Summer Fellow. **Craig Aspinwall**, advisor to Suminda Hapuarachchi, was a nine-month DAC Graduate Fellow in 1997-98.

Graduate Fellowship Milestones: The DAC Graduate Fellowship Program awarded its 400^{th} fellowship in 2006, the 57^{th} year of the Program.

The members of the Graduate Fellowship Committee who generously giving many hours of effort in evaluating applications and selecting the 2006-2007 recipients were:

David Burinsky – GlaxoSmithKline (sponsor); Curt Cleven – Eastman Chemical (sponsor); Paul Edmiston – College of Wooster; Rong Feng – Johnson & Johnson Pharmaceutical Research and Development (sponsor); Gregg Gould – Society for Analytical Chemists of Pittsburgh (sponsor); Mary Kaiser – DuPont (sponsor); Carolyn Koester - Lawrence Livermore National Laboratory; Heather Weimer – Lilly (sponsor); Emily Niemeyer –Southwestern University; Jennifer Thomas – Procter & Gamble (sponsor).

Emily Niemeyer and Jennifer Thomas are new members of the Graduate Fellowship Committee this year. Emily replaced Jeanette Rice (Georgia Southern University) as one of our academic institution members, while Jennifer replaced Susan Forest as the Committee representative for sponsor Procter & Gamble. Both Emily (1997 nine-month Fellowship) and Jennifer (2003 Summer Fellowship) received DAC Graduate Fellowships while they were graduate students.

Further information about the DAC Graduate Fellowship Program can be found on the Program web site

(http://www.wabash.edu/acsgraduatefellowship/home.htm).

I. M. Kolthoff Enrichment Awards for Undergraduate Students

The Division of Analytical Chemistry of the American Chemical Society established the I. M. Kolthoff Enrichment Award to encourage talented chemistry undergraduate students to pursue further studies in Analytical Chemistry. The Award honors the late Professor of Analytical Chemistry at the University of Minnesota who was one of the leaders of the profession in the 20th century, author of numerous influential textbooks and a major researcher in electroanalytical chemistry. The award provides funding for undergraduate students to travel to a national meeting to present the results of their research in the form of a poster. Funds from the Kolthoff Award may be applied toward registration, travel, and accommodations. Only U.S. citizens and permanent residents are eligible. Preference will be given to those applicants who have not made a previous presentation at a National scientific meeting. Students who have received a prior award under this

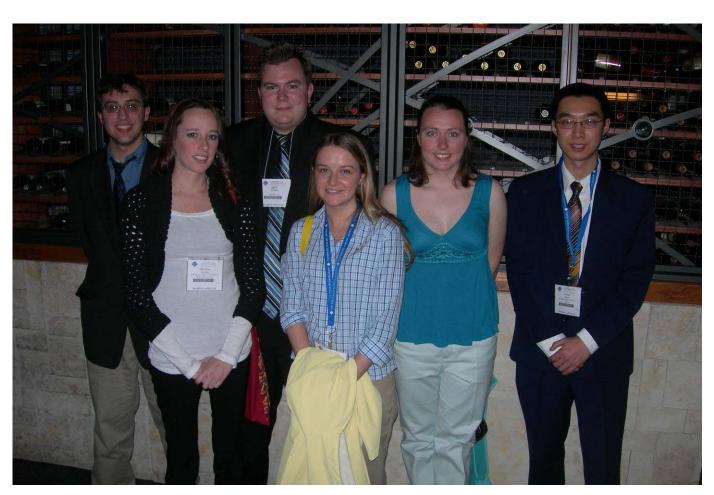
program are not eligible. Awards up to \$750 will be made on the basis of both scientific merit and financial need.

In 2007, the Kolthoff Awards will be given for travel to the Pittsburgh Conference (PittCon) at which the Division is presenting its technical program for Spring 2007. The PittCon will be held in Chicago from February 25 to March 1.

The deadline for applications for presentations at PittCon 2006 is September 1, 2006. However, applicants must submit a PittCon abstract for their poster presentation prior to the August 1, 2006 deadline for submission of Pittcon abstracts.

Application forms can be found at the Division website: http://www.acs-analytical.dug.edu/kolthoffaward.html

Please direct any questions to Dr. Cynthia Larive by E-mail at clarive@ucr.edu



The winners of the I.M. Kolthoff Enrichment Award for Undergraduate Students pictured at the Atlanta ACS meeting. Left to right: Jonas Lock, Melissa Weston, Drew Sword, Heather Gully, Haley Finley Jones, Delin Wang.



Strategic Planning for the Analytical Division

Treasurer's report *By Al Ribes*

First of all I want to thank our members and our sponsors who together make possible our continued positive impact on the profession. We continue administering student and professional recognition awards, organizing symposia and encouraging students through graduate fellowships. Thanks to all who make this possible.

I'd like to focus this column on the bigger picture: the future of the Division. As our Chair Chris Enke shares in the "From the Chair" column in this newsletter (pp. 1 and 3), we are very excited about developing a strategic plan for the Division. For as long as I have been involved, I don't ever recall having a large, diverse, and experienced group of people together in one room thinking about our profession and the role of our Division in it. Who is participating? The officers of the Executive Committee of the Division and the Subdivision of Chromatography (Laurie Locascio, Isiah Warner [Chair Elect], Chris Enke, John Callahan, Steven Petrovic, Susan V. Olesik, Brian Bidlingmeyer, Michelle Buchanan, Roland Hirsch, Heny Blount, and Al Ribes) along with the following leaders of the profession representing industrial donors (Dorothy Phillips); the Analytical Sciences Digital Library (Ted Kuwana & Fred Hawkridge); the ANYL Pfizer graduate travel award program (Paul Edmiston); the governance of the American Chemical Society (John Katz, Director of the Membership Division); Joshua Coon, a young next-generation faculty member; and Dale Gaddy, from the ACS Membership Services, as the lead facilitator.

While there will be a few centuries worth of combined experience in the room during the strategic planning, we understood that to make the planning really effective, we had to expand the pool of chemists involved in the process to better understand the needs of the profession, and to develop a richer pool of ideas and possibilities. To this purpose, each of us pledged to collect additional input from other colleagues by means of interviews or mailed questionnaires.

We'll be sharing the outcome with you. I can't wait to see what we learn. At the strategic planning session, we'll be discussing the answers to the following questions: 1.How would you describe the ANYL Division today? (Provide three to four major characteristics, including strengths and weaknesses). 2. It is 2011, how would you describe a successful ANYL Division at that time? 3. Why are you a member and for what reasons would you encourage others to join ANYL? 4. Beyond Division's roles of meeting programming, student awards, and special recognition awards, what other ways could the Division support your professional life? 5. What role would you envision for the Analytical Division with respect to other analytical meetings (Pittcon, Eastern Analytical, FACCS, etc.?) 6. What role would you envision for the Analytical Division with respect to other related Societies (e.g. ASMS, SAS, and EAS)? 7. What role do you think technology should play in the future of the division (web presence, networking, etc.)? 8. What do you hope could result from the upcoming strategic planning session? 9. What are the barriers to achieving our strategy?

When you read these questions, does anything come to mind that our collective could benefit from? If so, please e-mail you ideas and thoughts to Steven Petrovic Petrovis@sou.edu).

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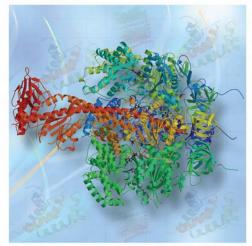
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- Article: Proteomic Analysis of Rice Leaf Sheath during Drought Stress (2006, 5, 396–403; 10.1021/ pr050291g)
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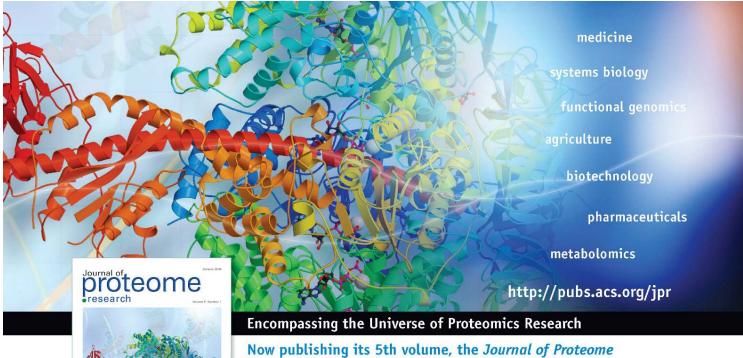
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