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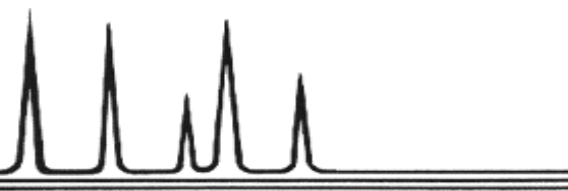


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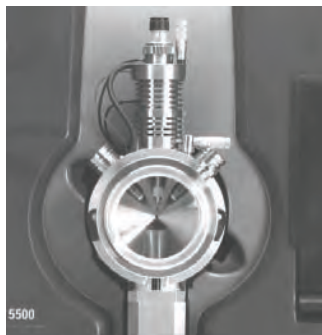
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FROM THE CHAIR'S DESK

ALDOS BAREFOOT

Not too many years ago, AGRO embarked on a plan to re-invigorate itself, driven by a need to better serve our members and adapt to changes in the agriculture practices and products, pest management, research funding, industry consolidation, and resources, both of time and money, available for programming and governance. We have made significant investments in programming for ACS National meetings, communications, educational grants, training for leaders, strategic planning events and international activities. We have also undertaken organizational changes to make good use of the leadership talent of AGRO committees. We have been successful in making changes through the efforts of a number of dedicated leaders and a committed membership.

The changes are obvious – programming at one ACS meeting a year, electronic voting, an electronic newsletter, a new AGRO brand visible on the website and PICOGRAM, increasing numbers of students participating in poster sessions and programming. While these changes are important, the most important characteristics of AGRO have not changed – the strong sense of community, the high quality of the programming, the interest in finding improvements in agricultural productivity, and protecting human health and the environment. I am looking forward to seeing AGRO move forward this year to continue the growth in our programs.

There are three themes for us as we work to implement our strategic plan:

Programming

The core service that AGRO offers its members and the scientific community is technical programming at the National ACS meetings. Recently our lead time for symposium planning has been one year. To insure that we meet our commitment to high-quality, topical programming, we're making a concerted effort to lengthen the lead time for program planning.

We have given the Vice Chair the responsibility for chairing the programming committee so that the Vice Chair is immediately involved in planning and has an incentive to solicit symposium ideas that can be used for future meetings. John Clark has already taken the lead on identifying topic champions and symposium ideas for future meetings. Now as the Chair-Elect/Program chair, his success is reflected in a full program for Philadelphia in 2012 as well as potential programming for Indianapolis in 2013. At the Denver meeting, we restored the Programming Committee Meeting to the Schedule of Events. We will continue to drive the generation of programming ideas for 2013 and 2014.

To further our co-programming with ENVR and AGFD, we have begun working with ACS Meetings and Exposition staff last fall to secure a common venue for the three divisions so that the technical sessions will be in close proximity. John worked with ENVR and AGFD to send a common request, and we are hopeful that our joint action will help us solve a perennial issue for all three divisions.

Our collaboration with other professional societies continues with our co-sponsorship of the 5th Pan Pacific Pesticide Conference in Beijing this year. And keep in mind that the 2014 IUPAC International Congress will begin drawing on significant AGRO resources this year. AGRO is hosting the Congress in conjunction with the ACS meeting in San Francisco. Preparations have begun, and we look forward to programming ideas that will draw scientists from around the world.

Committee Structure and Leadership

Through the work of an ad hoc committee on committees, ably led by Steve Duke, we eliminated several committees, revised the responsibilities of others, and added a new committee on international activities. Strong leadership from committee chairs will be needed to put the revised structure into place. We know from responses to last year's member survey that many of you are interested in participating in AGRO committees, and we'll be looking for people to fill key posts on the Communications and Publications committee, Social Committee, and Young Scientist Committee.

The Communications committee plays a critical role in maintaining the website, publishing the newsletter and PICOGRAM. Cathleen and Laura have made exceptional upgrades in our communications and deserve our thanks for their many contributions to AGRO. Both have asked us to find co-editors to share the communication responsibilities and allow us to plan for transitions to new leadership.

Governance

AGRO has been very fortunate to have a solid financial base from ACS allocations, generous patron contributions, book royalties, successful conferences and investment income. In recent years, all our income streams have been become more variable or have declined, while our expenses have changed in response to programming decisions. Understanding our financial position has become critical to planning our programs and communications activities. The finance committee has taken on the task of providing the Executive Committee with clear information on the funds available and the impact of our commitments to support international activities, complimentary registrations, speaker travel and education grants. The committee has already given John Clark guidance on expenditures for the Philadelphia meeting and will be working with the new Development committee to secure financial backing for 2012.

The recommendations of the Committee on Committees were incorporated into the Operations Manual, which will be the basis for implementing the revisions in the committee structure and responsibilities. Several of the changes require revision of the bylaws, and we'll be preparing those for approval by the Division at the business meeting.

There is much to do this year and, as always, "time's winged chariot [is] hurrying near". PACS is open for Philadelphia and planning for the meeting is in full swing.

Best wishes for 2012, Al



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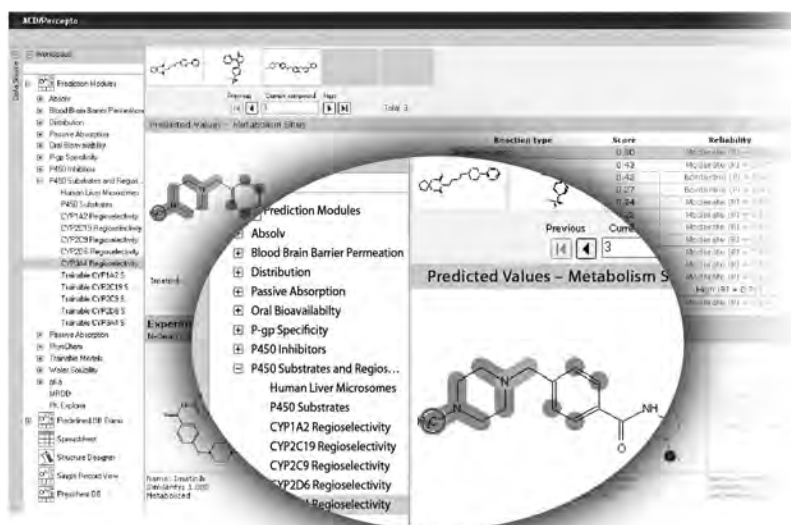
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HOSPITALITY COMMITTEE REPORT

Twelve companies graciously donated a total of \$2400 to support our Denver coffee lounge. Several firms provided literature to promote their services to meeting attendees. If you wish to join these companies in supporting our coffee lounge, please contact any of our committee members. Our

coffee lounge offers a brief respite from our technical sessions and provides an alternative forum for exchange of ideas and networking.

We thank our coffee lounge contributors.



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AGRO Social at Denver

The AGRO Division Awards & Social was held at the Colorado Convention Center on Tuesday, August 30, 2011. George P. Lahm was recognized as the recipient of the ACS International Award for Research in Agrochemicals and Deborah P. Delmer as the recipient of the Sterling B. Hendricks Memorial Lectureship Award. Also honored were Laura L. McConnell for

the AGRO Division Fellow Award and Cody J. Howard for the AGRO New Investigator Award. We also introduced the winners of the AGRO Education Awards to the revelers in attendance. Our inevitable prize drawing could not be stopped and drew smiles from surprised winners.

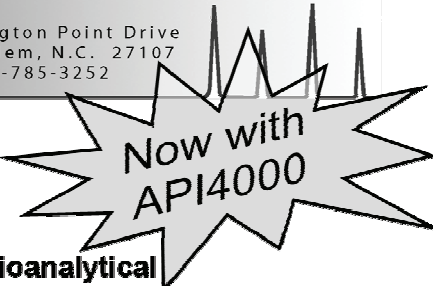
HOSPITALITY COMMITTEE MEMBERS - James Brady, Julie Eble, Joseph Massey & Patricia Rice
SOCIAL CO-CHAIRS - Al Barefoot & Jeff Jenkins

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1971	Dr. Louis Lykken Dr. Tom H. (Bucky) Harris Dr. Herman Beckman (Posthumous)	1977	Dr. Gustave K. (Bob) Kohn		Dr. Joel Coats
		1978	Dr. S. Kris Bandal Dr. Paul Hedin		Dr. Guy Paulson
1972	Mr. Wendell F. (Bud) Phillips Dr. Don G. Crosby Dr. Elvins Y. Spencer	1979	Dr. Rodney D. Moss	1993	Dr. Larry Ballantine
		1980	Dr. G. Wayne Ivie Dr. John B. Siddall (Posthumous)	1994	Dr. James Heitz Dr. Ralph Mumma Dr. Willis Wheeler
1973	Mr. Roger C. Blinn Dr. Philip C. Kearney Dr. Julius J. Menn	1981	Dr. Robert M. Hollingsworth Dr. Gino J. Marco	1996	Dr. John Bourke
		1983	Dr. John Harvey, Jr.	1998	Dr. Hank Cutler Mr. Paul Giesler
1974	Dr. Morton Beroza Dr. James P. Minyard, Jr. Dr. Joe C. Street	1985	Mr. Henry Dishburger Dr. Richard C. Honeycutt	2000	Dr. Barry Cross
		1986	Dr. Gunter (Jack) Zweig	2001	Dr. Robert Hoagland
1975	Dr. Hank F. Enos Dr. Maurice B. Green Dr. Charles H. Van Middlem	1987	Dr. Willa Garner	2003	Dr. Judd O. Nelson
		1988	Dr. Jan Chambers Dr. James Seiber	2005	Dr. Rodney Bennett
1976	Dr. Marguerite L. Leng Dr. Jack R. Plimmer Dr. Gerald G. Still	1990	Dr. Joseph Fenyes	2006	Dr. Terry D. Spittler
		1991	Dr. Nancy N. Ragsdale	2007	Dr. Ann T. Lemley Dr. R. Don Wauchope Dr. John M. Clark
		1992	Dr. Don Baker	2008	Dr. Allan S. Felsot
				2011	Dr. Laura L. McConnell

AWARDS COMMITTEE REPORT

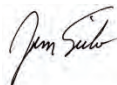
Dr. Thomas C. Sparks of Dow AgroSciences will receive the International Award at the Philadelphia meeting in 2012 to be sponsored by DuPont Crop Protection. Dr. Sparks receives this award for his research and exceptional accomplishments in applying new technology from a number of disciplines to the discovery of new pest control agents. A symposium in his honor is being organized by William Kleschick and B. Clifford Gerwick.

Dr. Steven J. Lehotay of the USDA-Agricultural Research Service is the winner of the new AGRO award for Innovation in Chemistry of Agriculture. This award, which is sponsored by BASF, is given annually to an active researcher working in North America, who has successfully demonstrated an innovation in the chemistry of agriculture, veterinary science, or public health. Dr. Lehotay will be recognized for his development of QuEChERS, an analytical method streamlining pesticide residue analysis.

Dr. Eric Block of State University of New York at Albany is the winner of the USDA-Agricultural Research Service Sterling Hendricks Lectureship Award for his fascinating and seminal discoveries on sulfur and selenium chemistry in the *Allium* species. Dr. Block will present his lecture at the ACS meeting in Philadelphia which will be hosted by AGFD and cosponsored by AGRO. Check out his interview on NPR's *Science Friday* <http://www.npr.org/templates/story/story.php?storyId=128268496>

Nominations for the 2013 International Award for Research in Agrochemicals are currently being evaluated by the Awards Committee. The nomination criteria for the 2014 award can be found on page 9. The Awards Committee is accepting new award nominations for the Division Fellow Award and the Innovations Award. Criteria for the award and what to submit are shown below and on page 11, respectively. The deadlines each year are May 31 for the Fellow Award, September 30 for the Innovation Award, and December 31 for the International Award. Nominations for the 2013 Sterling Hendricks Lectureship Award are being solicited by USDA-ARS. The nomination criteria can be found on page 13. Please consider nominating deserving colleagues for these awards.

Respectfully submitted,



James N. Seiber, Chair
Awards Committee



CALL FOR NOMINATIONS AGRO Division Fellow Award

The AGRO Division has established the **Fellow Award** to recognize its members whose dedicated and enthusiastic service has kept the Division moving forward.

Criteria shall be –

Continued and substantial contributions of time, talents, and service to the Division of Agrochemicals, ACS, and agrochemical science over a period of at least six years.

Electronic nominations (submitted as a single pdf file) must include a letter noting the contributions to the Division and a current *curriculum vitae*. Deadline for submitting nominations is **May 31** of each year. Contact the Awards Committee for further information.

Dr. James N. Seiber, Awards Committee Chair
Environmental Toxicology, University of California
One Shields Avenue, 4143 Meyer Hall
Davis, CA 95616-8598

530-752-1141 – phone
jseiber@ucdavis.edu

PAST AWARDEES OF THE BURDICK AND JACKSON INTERNATIONAL AWARD

1969	Dr. John E. Casida, University of California, Berkley	1981	Dr. Philip C. Kearney, USDA-ARS, Beltsville, Maryland
1970	Dr. Richard D. O'Brien, Cornell University	1982	Dr. Jack R. Plimmer, USDA-ARS, Beltsville, Maryland
1971	Dr. Robert L. Metcalf, University of Illinois	1983	Dr. Karl Heinz Buechel, Bayer AG, Germany
1972	Dr. Ralph L. Wain, Wye College, University of London, England	1984	Dr. Jacques Jean Martel, Roussel Uclaf, Paris
1973	Dr. Hubert Martin, British Crop Protection Council, England	1985	Dr. Junshi Miyamoto, Sumitomo Chemical Co., Japan
1974	Dr. T. Roy Fukuto, University of California, Riverside	1986	Dr. James Tumlinson, USDA-ARS, Gainesville, Florida
1975	Dr. Michael Elliot, Rothamsted Experiment Station, England	1987	Dr. Fumio Matsumura, Michigan State University
1976	Dr. Morton Beroza, USDA-ARS (retired)	1988	Dr. Ernest Hodgson, North Carolina State University
1977	Dr. Francis A. Gunther, University of California, Riverside	1989	Dr. Toshio Narahashi, Northwestern University
1978	Dr. Julius J. Menn, Stauffer Chemical	1990	Dr. David Schooley, University of Nevada, Reno
1979	Mr. Milton S. Schecter, USDA (retired)	1991	Dr. Stuart Frear, USDA-ARS, Fargo, North Dakota
1980	Dr. Minuro Nakajima, Kyoto University, Kyoto, Japan		

PAST WINNERS OF THE ACS INTERNATIONAL AWARD FOR RESEARCH IN AGROCHEMICALS

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1992	Dr. Bruce Hammock, University of California, Davis	2002	Dr. Keith Solomon, University of Guelph, Ontario, Canada
1993	Dr. Morifuso Eto, Kyushu University, Fukoka, Japan		Dr. Marinus Los, American Cyanamid
1994	Dr. Toshio Fujita, Kyoto University, Kyoto, Japan	2003	Dr. Bob Hollingworth, Michigan State University
1995	Dr. Mohyee Eldefrawi, University of Maryland, Baltimore		Dr. Hideo Ohkawa, Kobe University, Japan
	Dr. Koji Nakanishi, Columbia University, New York	2004	Dr. Stephen Duke, USDA-ARS, Oxford, Mississippi
1996	Dr. Günther Voss, Ciba, Basel, Switzerland		Dr. John Marshall Clark, University of Massachusetts
	Dr. Klaus Naumann, Bayer, Leverkusen, Germany	2005	Dr. Robert Krieger, University of California, Riverside
1997	Dr. Fritz Führ, Jülich, Germany		Dr. Janice E. Chambers, Mississippi State University
	Dr. Izuru Yamamoto, University of Tokyo, Japan	2006	Dr. Joel Coats, Iowa State University
1998	Dr. George Levitt, DuPont, Wilmington, Delaware		Dr. Isamu Yamaguchi, Agricultural Chemicals Inspection Station, Tokyo Japan
	Dr. Leslie Crombie, University of Nottingham, England	2007	Dr. Gerald T. Brooks, West Sussex, UK
1999	Dr. Don Baker, Zeneca, Richmond, CA		Dr. Fredrick J. Perlak, Monsanto
	Dr. James Seiber, University of Nevada, Reno	2008	Dr. David M. Soderlund, Cornell University
2000	Dr. George P. Georghiou, University of California, Riverside	2009	Dr. R. Donald Wauchope, USDA-ARS (retired), Tifton, Georgia
	Dr. Herbert B. Scher, Zeneca	2010	Dr. Shinzo Kagabu, Gifu University, Gifu, Japan
2001	Dr. Donald Crosby, University of California, Davis	2011	Dr. George P. Lahm, DuPont Crop Protection, Wilmington, Delaware
	Dr. Ralph Mumma, Pennsylvania State University		



CALL FOR NOMINATIONS
INTERNATIONAL AWARD FOR RESEARCH IN AGROCHEMICALS
Sponsored by DuPont Crop Protection

2014 Fall ACS National Meeting in San Francisco, California

The ACS International Award for Research in Agrochemicals is given to a scientist who has made outstanding contributions to the field of agrochemicals at the international level. Their vision and sustained contributions will have opened new horizons for other investigators in their field and beyond.

- The **nomination letter** will include the following statement: "I hereby nominate [insert first, middle, last name] as a candidate for the ACS International Award for Research in Agrochemicals." It will also include the **nominee's birthplace, date of birth, citizenship, business address** and a **description** (200 – 1000 words) of the reasons why the nominee should receive this award, stressing the individual's major accomplishments.
- Include a **curriculum vitae** of the candidate that includes: places and nature of employment, professional affiliations, honors and awards received, and a list of publications and patents.

- Nominations often include **one or two letters of support**, although this is optional.
- Electronic nominations (as a single pdf file) containing all listed items should be emailed to:

Dr. James N. Seiber, Awards Committee Chair
Environmental Toxicology, University of California
One Shields Avenue, 4143 Meyer Hall
Davis, CA 95616-8598

530-752-1141 – phone
jnseiber@ucdavis.edu

Deadline: Nominations must be received by the committee chair by **December 31** of each year. Balloting will be conducted in January/February and results will be announced in the spring of the following year.

The nominating official(s) should be prepared to assist in organizing a symposium at the National ACS meeting in honor of the awardee.

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- Analytical Chemistry:** Method development and validation, ILV, clinical sample analysis, analysis of agrochemicals and metabolites in soil, water, air, crops and animal tissues.
- Field Studies:** Terrestrial and aquatic dissipation, rotational crops, nature and magnitude of residues in crops, lysimetry and small plot dissipation studies utilizing radiolabels. Volatility and flux determination.
- Exposure:** Cow and hen feeding studies, dislodgeable foliar and turf residues, mixer/loader and applicator dosimetry. Environmental monitoring (air and water). Tobacco pyrolysis.
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CALL FOR NOMINATIONS

AWARD FOR INNOVATION IN CHEMISTRY OF AGRICULTURE

Sponsored by BASF Corporation

2013 Fall ACS National Meeting in Indianapolis, Indiana

The ACS Award for Innovation in Chemistry of Agriculture is given to an active researcher working in North America for a chemical innovation that significantly enhances agricultural or veterinary pest management and productivity. The awardee will be asked to give an award address at the National ACS meeting.

The Nomination email will include the following:

1. A **formal letter of nomination** that includes
 - Name, business address, phone and email address of the nominator
 - Name, birth date, business address, phone and email address of the nominee
 - A nomination statement (200-1000 words) giving reasons why the nominee should receive this award, stressing the chemical innovation and how it has enhanced agricultural or veterinary pest management and productivity.
2. The nominee's **current curriculum vitae**
3. One or two **letters of support**
4. Reference or e-mail link to 1 or 2 published **manuscripts that report on the work** which supports the award nomination

Electronic nominations (as a single pdf file) containing all the listed items should be emailed to:

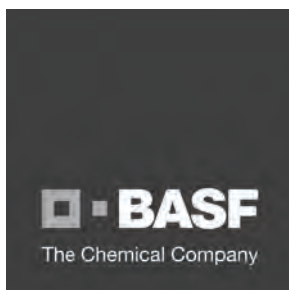
Dr. James N. Seiber, Awards Committee Chair
Environmental Toxicology, University of California
One Shields Avenue, 4143 Meyer Hall
Davis, CA 95616-8598

530-752-1141 – phone
jseiber@ucdavis.edu

Deadline: Nominations must be received by the committee chair by **September 30** of each year. Balloting will be conducted in November/December and results will be announced shortly thereafter.

The awardee will be given the opportunity to present their work in a special lecture at the next National ACS meeting.

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2013 STERLING B. HENDRICKS MEMORIAL LECTURESHIP

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The USDA-Agricultural Research Service (ARS) is seeking nominations for the 2012 Sterling B. Hendricks Memorial Lectureship Award. This Lectureship was established in 1981 by ARS to honor the memory of Sterling B. Hendricks and to recognize scientists who have made outstanding contributions to the chemical science of agriculture. Dr. Hendricks contributed to many diverse scientific disciplines, including soil science, mineralogy, agronomy, plant physiology, geology, and chemistry. He is most frequently remembered for discovering phytochrome, the light-activated molecule that regulates many plant processes. The lecture should address a scientific topic, trend, or policy issue related to agriculture. Deadline is **November 5, 2012**.

The AGRO Division and the Agricultural & Food Chemistry Division (AGFD) co-sponsor the Lecture which will be held in a joint session of these divisions. The lectureship is presented at an AGFD symposium in even-numbered years and in an AGRO symposium in odd-numbered years. The award includes an honorarium of \$2000, a bronze medallion, and expenses to attend the meeting.

Nominees will be outstanding senior scientists in industry, universities, consulting, or government positions. *Current ARS employees are not eligible*. The Award will be presented during an American Chemical Society National Meeting held in 2013 in Indianapolis prior to the Lecture. Giving the presentation is a requirement of the honor.

The **Nomination Package** includes:

- A letter explaining the nominee's contributions to chemistry and agriculture,
- A current *curriculum vitae*

Nomination letters may be sent electronically to, but *curriculum vitae* must be in pdf format:

Kim Kaplan, Lecture Coordinator
kim.kaplan@ars.usda.gov

Hard copy nominations should be sent via non-USPS carrier to:

Kim Kaplan, Lecture Coordinator
ARS Information Office
Room 1-2253, Mail Stop #5128
5601 Sunnyside Ave
Beltsville, MD 20705
301-504-1637 – phone

PAST STERLING B. HENDRICKS MEMORIAL LECTURESHIP AWARD WINNERS

1981	Norman E. Borlaug, Nobel Laureate, International Maize and Wheat Improvement Center, Mexico City	1996	Hugh D. Sisler, University of Maryland
1982	Warren L. Butler, University of California, San Diego	1997	Ernest Hodgson, North Carolina State University
1983	Melvin Calvin, Nobel Laureate, University of California, Berkeley	1998	Morton Beroza, USDA-ARS, Maryland (retired)
1984	Frederick Ausubel, Harvard Medical School and Massachusetts General Hospital, Boston, MA	1999	Bruce D. Hammock, University of California, Davis
1985	Alan Putnam, Michigan State University	2000	William S. Bowers, University of Arizona
1986	Ralph Hardy, Cornell University and BioTechnica International	2001	Malcolm Thompson, USDA-ARS, Maryland (retired)
1987	Mary-Dell Chilton, Ciba-Geigy Corporation, Research Triangle Park, NC	2002	Ervin E. Leiner, University of Minnesota
1988	Bruce N. Ames, University of California at Berkeley	2003	Kriton Kleanthis Hatzios, Virginia Polytechnic Institute and State University
1989	Sanford A. Miller, University of Texas Health Science Center at San Antonio	2004	Robert L. Buchanan, Food & Drug Administration
1990	Roy L. Whistle, Purdue University	2005	Donald L. Sparks, University of Delaware
1991	Peter S. Eagleson, Massachusetts Institute of Technology	2006	Stanley B. Prusiner, Nobel Laureate, University of California, San Francisco
1992	John E. Casida, University of California, Berkeley	2007	Bruce E. Dale, Michigan State University
1993	Philip H. Abelson, Deputy Editor, <i>Science</i> , and Scientific Advisor to AAAS	2008	Fergus M. Clydesdale, University of Massachusetts, Amherst
1994	Wendell L. Roelofs, Cornell University	2009	Charles J. Arntzen, Arizona State University, Tempe
1995	Winslow R. Briggs, Carnegie Institution of Washington	2010	Chris Somerville, Director of the Energy Biosciences Institute, Berkeley
		2011	Deborah P. Delmer, University of California, Davis
		2012	Eric Block, State University of New York at Albany



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CALL FOR NOMINATIONS

AGRO NEW INVESTIGATOR AWARD

Sponsored by Dow Agrosciences

2012 Fall ACS National Meeting in Philadelphia, Pennsylvania

The AGRO Division seeks nominations for the New Investigator Award to be awarded at the ACS meeting in Philadelphia in August 2012. The purpose of the New Investigator Award is to recognize scientists who have obtained a doctoral degree and are actively conducting academic, industrial, consulting, or regulatory studies.

The Division is interested in work on all aspects of agrochemicals which are broadly defined to mean pesticides of all kinds (e.g., chemical pesticides, biopesticides, pheromones, chemical attractants, fumigants, plant incorporated protectants, disinfectants) as well as biotechnology-derived crops (e.g., Bt crops, Roundup Ready crops, etc.). The categorical areas of study related to agrochemicals are very broad and encompass environmental chemistry, toxicology, exposure assessment, risk characterization, risk management, and science policy.

Studies of veterinary pharmaceuticals and antibiotics are included in the Division's mission. The Division especially encourages submissions related to public health protection as well as crop, livestock, aquaculture, and wildlife protection.

AGRO is also interested in the environmental chemistry and effects resulting from agricultural production (e.g., soil processes, water and air quality) and in chemical products made from agricultural commodities and byproducts. This includes biofuels and bioproducts and the issues surrounding their production and use.

- To be eligible for the award, the scientist must have obtained his or her doctorate no more than five years before the time of the Fall ACS National Meeting. Thus, for 2012, applications will be considered from scientists who have obtained their doctorates no earlier than the year 2007.
- The award winner(s) will be expected to deliver an oral presentation in their area of interest in one of the AGRO Program sessions.

The structure of this award is undergoing revision by the AGRO Executive Committee and was not available when the PICOGRAM went to press. The revision will be posted on the website (www.agrodiv.org) in early March 2012.

Applications for the New Investigator Award will consist of the following elements:

1. Submission of a maximum **five-page paper describing your research** or other work relevant to the broad mission of the AGRO Division. The paper may be structured as a research paper (i.e., contains the main elements of a typical journal article) or as a critical review of one's particular contributions to the scientific fields covered by the AGRO Division.
2. Submission of a **150-word abstract** for the submitted paper to the ACS PACS abstract submission website. <http://abstracts.acs.org/>
3. Submission of at least **one letter of recommendation** from a current supervisory scientist (e.g., a business manager, a departmental chair, post-doctoral mentor).
4. For consideration of an award at the Fall ACS National Meeting in Philadelphia, both the paper and letter of recommendation must be **submitted via email no later than March 19, 2012 to** Cathleen Hapeman, Organizer
tel: 301-504-6451
email: cathleen.hapeman@ars.usda.gov

Special thanks to our sponsor for their generous contribution!





2011 AGRO EDUCATION AWARDS AT DENVER, COLORADO

Sponsored by Bayer CropScience

Congratulations to last year's winners!

First Place



LORENA E. FERNANDEZ is a PhD candidate in the Agricultural and Environmental Chemistry group led by Dr. Jean Vander Gheynst in the Department of Biological and Agricultural Engineering, University of California, Davis. She received her Bachelor's Degree in Chemical-pharmaco-biology at the University of the Americas-

Puebla, Mexico with the thesis (advised by Dr. Eugenio Sanchez) based on isolating and identifying natural products from *Agave salmiana*, an economically important plant in the region. After working for two years in the biopesticide industry, she became particularly interested in formulation chemistry, specifically dealing with effective and environmentally-friendly delivery systems. This interest convinced her to pursue her PhD. Her dissertation research investigates the physical and biological stability of water-in-oil emulsions containing microalgae to obtain a predictable storage and delivery system for the biofuel industry. In her spare time she enjoys traveling, wine tasting, and spending time with her friends and family.

Second Place



EDINALVO CAMARGO is a Ph.D. candidate in Agronomy under supervision of Dr. Scott Senseman in the Soil and Crop Sciences Department at Texas A&M University. He received his Bachelor's (2005) and Master's degree (2007) in Agronomy both from Federal University of Santa Maria, in Brazil. Having a background focused in crop management

and production he decided to expand his field of expertise exploring new areas. He was awarded with a four-year scholarship from Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq, Brazil) to come to United States and conduct research on the environmental fate of pesticides. His research involves the potential of a new

herbicide for rice farmers and includes the agronomic and environment aspects such as herbicide-plant interactions as well as herbicide degradation, persistence, and adsorption in soils. He enjoys playing and watching soccer, barbecuing in the Brazilian style, and spending time with family and friends.

Third Place



ANNA-MARIA ALVES is a student in the Molecular and Cellular Biology Program at the University of Massachusetts Amherst with Dr. John M. Clark in the Department of Veterinary and Animal Sciences. She has nearly completed her Master's degree the focus of which has been determining how pyrethroids affect the kinetics of the voltage-gated

N-type calcium channel from rat brain which is involved in neurotransmitter release using electrophysiology techniques. When not in the lab, Anna-Maria enjoys hiking, gardening, and crocheting. She is also a self-taught ukulele player.

Third Place



DANIEL SWALE is a third year Ph.D. student in Insect Neurotoxicology with Dr. Jeffrey Bloomquist in the Department of Entomology at the University of Florida. He earned his Bachelor's degree from Christopher Newport University and his Masters of Science degree from Virginia Tech, in 2008 and 2009 respectively. His masters research was also performed

under the direction of Dr. Jeffrey Bloomquist and was based around characterizing allosteric solvent effects observed between acetylcholinesterase and mosquito selective carbamates. His dissertation research follows a similar topic and is based around the development of novel and selective insecticides for mosquito control, specifically the malaria vector, *Anopheles gambiae*. Aside from science, Daniel also enjoys a variety of extracurricular activities including triathlons, fishing, and hunting.



CALL FOR APPLICANTS

AGRO EDUCATION AWARDS

Sponsored by Bayer CropScience

UNDERGRADUATE & GRADUATE STUDENT RESEARCH

Support for Poster Presentations

At the 2012 Fall ACS National Meeting in Philadelphia, Pennsylvania

The AGRO Division has established an endowment fund in collaboration with Bayer CropScience that will be used to promote an understanding of the role of chemistry in agriculture. To address this goal, awards will be made through the Division's Education Committee.

Proposals are sought for the 2012 awards. Selected undergraduate and graduate students will be awarded up to \$600 each to help defray costs of attendance to give poster presentations at the ACS 2012 Fall Meeting, which will be held August 19 – 23, 2012 Philadelphia, Pennsylvania. Posters will be displayed in a special poster session of the ACS AGRO Division of Agrochemicals. First, Second, and Third place winners will receive an additional cash award.

The subject of the presentation should pertain to the chemistry of the AGRO Division. Topics should relate to pest management chemistry including synthesis, metabolism, regulatory, biotechnology, delivery, risk assessment, resistance, residues, mode of action, fate/behavior/transport, and agronomic practices. The AGRO Division is also interested in chemical products made from agricultural commodities and byproducts, including biofuels and the issues surrounding their production.

For more information, please contact the co-organizers:

Dr. Marja Koivunen
Eurofins Agroscience Services, Inc.
328 N. Bethel Ave
Sanger, CA 93657
tel: 559-399-4510
email: marjakoivunen@eurofins.com

Dr. Diana Aga
Chemistry Department, NSC 611
University of Buffalo
Buffalo, NY 14260
tel: 716-645-4220
email: dianaaga@buffalo.edu

To apply, a graduate student should submit the following to be received no later than March 19, 2012 (PACS deadline):

1. An abstract formatted according to the directions given on the ACS website. Be sure to include name (of applicant), address, and e-mail address.
2. A two page extended abstract giving more detail of the research/presentation.
3. A short letter of nomination from the faculty advisor.

Submit item 1 to the ACS OASYS abstract submission website.
<http://abstracts.acs.org/>

Submit item 2 and 3 as a Word or pdf file to
Dr. Diana Aga
at dianaaga@buffalo.edu

*Abstracts will be reviewed by the Education Committee.
Submitters will be notified of their selection status in May 2012.*

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Notes from the Program Chair

John M. Clark

AGRO will continue with its practice of programming at one meeting each year with a full slate of symposia planned for the 244th National Meeting in Philadelphia, August 19-23, 2012. Currently, we have 5 award symposia and 16 technical symposia planned and symposium organizers are busy at work soliciting speakers and, of course, new symposia are always welcome.

As you may have noticed, the Programming Committee has re-invigorated itself by formally appointing the Vice Chair as the Chair of the Programming Committee. In 2012, Steven Duke of USDA Agricultural Research Service (ARS) fills this role. He will also be the Program Chair for the Indianapolis National Meeting in August of 2013. The Programming Committee has increased its membership and has identified *Symposium Topic Champions* for each of the 15 technical topics that AGRO programs in each year. We made this change to bring the vast array of expertise of our membership into the programming planning process. This will allow us to establish programming ideas for several years into the future and to identify 'hot' topics for new symposia in an efficient and timely manner. I thank all *Champions* who have offered to serve the Division in this important capacity!

The fruit of this labor is that AGRO has a diverse but interactive list of symposia for the Philadelphia meeting. Of the 15 technical topics that we actively program in, we will have symposia that address 13 of these topics, with a good number that address the theme of this meeting *Materials for Health and Medicine*. These thematic offerings include symposia on *Human Health and Transgenic Crops; Integrated Vector and Resistance Management; Mechanisms of Insecticidal Action and Resistance: New Compounds and Recent Advances; and Natural Products for Pest Management*. Related to these thematic symposia, we have a number of linked symposia on human and ecological risk assessments and risk communication including: *Fate and Exposure of Urban Applied Pesticides in their Context of Human and Ecological Risk; Perfecting Risk Communications; and Pesticides: Bridging the Gaps*

between Chemistry, Exposure Science, Epidemiology and Health Risks.

In keeping with AGRO's Strategic Plan, we have a couple of new topics being covered, regulatory harmonization and maximum residue levels (*Maximum Residue Levels of Agrichemicals on Food*) and Bioenergy, Bioproducts, and Biochars: Advances in Production and Use (*Next Generation Biofuels and Bioproducts: Advances and Challenges*). As always, the strength of AGRO's programming has been agrochemical synthesis, analysis, and environmental fate. This year's program is no exception with applied symposia such as *Is your Analytical Method Good Enough?; Pesticide Environmental Fate Properties: Measurement, Prediction, Limitations, and Reliability; and Synthesis and Chemistry of Agrochemicals* to name only a few.

We will, of course, honor the achievements of our colleagues in agrochemical research through our five award symposia. This year, we honor Dr. Thomas C. Sparks, Dow AgroSciences, with the International Award for Research in Agrochemicals and Dr. Steven J. Lehotay, USDA-ARS, with the newly-established Innovation in Chemistry of Agriculture. AGRO will co-host the Sterling B. Hendricks Memorial Lecture sponsored by the USDA-ARS, which will be hosted by the AGFD Division. Cathleen Hapeman, who is looking for additional help in managing this award, is again in charge of the New Investigator Award. This award is being restructured somewhat, so check the website in early March for additional details. Diana Aga and Marja Koivunen will organize the AGRO Education Awards and students' poster session. New investigators and student poster presenters will be recognized with awards and grants for travel. Please make every effort to come to Philadelphia and celebrate our award winners' achievements.

We look forward to an exciting five days of science, meeting old friends, and making new colleagues. The ACS Program and Abstract Creation System (PACS) **opened January 23, 2012 and closes March 19, 2012** so get your abstracts in now. See you all in Philly!



LIST OF SYMPOSIA
244th ACS National Meeting & Exposition
ACS Theme: *Materials for Health and Medicine*
August 19-23, 2012

PACS for Author Abstract Submission January 23 - March 19, 2012

AGRO anticipates an exciting and diverse technical program in Philadelphia, Pennsylvania. Suggestions and proposals for additional symposia and organizers are most welcome.

Please contact AGRO Program Chair for 2012:
John Clark, University of Massachusetts
413-545-1052, jclark@vasci.umass.edu

Symposium proposal template can be found at:
www.agrodiv.org

Award Symposia

AGRO International Award for Research in Agrochemicals

Sponsored by DuPont Crop Protection

Awardee: Tom Sparks, Dow AgroSciences

Organizers:

- William Kleschick, Dow Agrosciences, 317-337-3106, wakleschick@dow.com;
- B. Clifford Gerwick, Dow AgroSciences, 317-337-3119, bcgerwick@dow.com

Sterling B. Hendricks Memorial Award

Sponsored by USDA-ARS

Organized 2012 by AGFD

Innovation in Chemistry of Agriculture

Sponsored by BASF

- Scott Jackson, BASF, 919-547-2349, scott.jackson@basf.com

AGRO New Investigator Award

Sponsored by Dow AgroSciences

- Cathleen Hapeman, USDA-ARS, 301-504-6451, cathleen.hapeman@ars.usda.gov

AGRO Education Awards for Undergraduate and Graduate Student Travel: Research Poster Presentations

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- Diana Aga, University of Buffalo, 716-645-4220, dianaaga@buffalo.edu
- Marja Koivunen, Marrone Bio Innovations, 530-750-2880, mkoivunen@marroneorganics.com

Technical Symposia

Environmental Fate, Transport and Modeling/Monitoring of Agricultural Chemicals

- Scott H. Jackson, BASF, 919-547-2349, scott.jackson@basf.com
- Paul Hendley, Syngenta Crop Protection, 336-632-6112, paul.hendley@syngenta.com
- Natalia Peranginangin, Syngenta Crop Protection, 336-632-7389 natalia.peranginangin@syngenta.com

Fate and Exposure of Urban Applied Pesticides in the Context of Human and Ecological Risk Assessments

- Stuart Z. Cohen, Env'l. & Turf Services, Inc. 301-933-4700, ets@ets-md.com
- Pamela Rice, ARS, USDA, 612-624-9210, pamelarice@ars.usda.gov
- John M. Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

Human Health and Transgenic Crops

- Stephen O. Duke, USDA-ARS, 662-915-1036, stephen.duke@ars.usda.gov
- Agnes Rimando, USDA-ARS, 662-915-1037, agnes.rimando@ars.usda.gov

Integrated Vector and Resistance Management

- Jeffrey R. Bloomquist, UF - Gainesville, 352-273-9417, jrbloomquist@epi.ufl.edu
- Troy D. Anderson, Virginia Tech, Blacksburg, 540-231-1862, anderst@vt.edu

Is Your Analytical Method Good Enough?

- Julie Eble, Critical Path Services, 610-558-3001 ext. 100, Julie.Eble@criticalpathservices.com
- Steve Lehotay, USDA-ARS, 215-233-6433, steven.lehotay@ars.usda.gov

Technical Symposia (continued)

Maximum Residue Levels of Agricultural Chemicals on Food

- Heidi Irrig, Syngenta, 336-632-7243, heidi.irrig@syngenta.com
- Phil Brindle, BASF Agricultural Solutions, 919-547-2654, philip.brindle@basf.com
- Jamin Huang, Bayer CropScience, 919-549-2634, jamin.huang@bayer.com

Mechanisms of Insecticidal Action and Resistance:

New Compounds and Recent Advances

- David Soderlund, Cornell University, 315-787-2364, dms6@cornell.edu
- John Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

Natural Products for Pest Management

- Stephen O. Duke, USDA-ARS, 662-915-1036, sduke@olemiss.edu
- Marja Koivunen, Eurofins Agroscience Services, 559-341-2029, marjakoivunen@eurofins.com
- Joel R. Coats, Iowa State University, 515-294-4776, jcoats@iastate.edu
- John J. Beck, USDA-ARS, 510-559-6154, john.beck@ars.usda.gov

Next Generation Biofuels and Bioproducts: Advances and Challenges

- Ashli Brown, Mississippi State University, 662-325-7814, abrown@bch.msstate.edu
- Amrith Gunasekara, California Department of Food and Agriculture, 916-654-0433, amrith.gunasekara@cdfa.ca.gov
- Arland Hotchkiss, USDA-ARS, 215-233-6448, arland.hotchkiss@ars.usda.gov
- Darrell Sparks, Mississippi State University, 662-325-7814, dsparks@bch.msstate.edu
- Cathleen Hapeman, USDA-ARS, 301-504-6451, cathleen.hapeman@ars.usda.gov

Perfecting Communication of Chemical Risk

- Jim Seiber, UC-Davis 530-752-1141, jnseiber@ucdavis.edu
- Ivan Kennedy, Univ. of Sydney, 61407949622, ivan.kennedy@sydney.edu.au
- Kevin Armbrust, armbrust@mscl.msstate.edu
- John Johnston, FSIS/USDA, john.johnston@fsis.usda.gov
- Tom Potter, ARS/USDDA, tom.potter@ars.usda.gov
- Keith Solomon, Univ. of Guelph, ksolomon@uoguelph.ca

Pesticide and Fumigant Emissions from Agricultural Systems

- Scott R. Yates, USDA-ARS, 951-369-4803, scott.yates@ars.usda.gov
- Laura McConnell, USDA-ARS, 301-504-6298, laura.mcconnell@ars.usda.gov
- Jim Seiber, University of California-Davis, 530-752-2490, jnseiber@ucdavis.edu
- Cathleen Hapeman, USDA-ARS, 301-504-6451, cathleen.hapeman@ars.usda.gov

Pesticide Environmental Fate Properties: Measurement, Prediction, Limitations, and Reliability

- Thomas L. Potter, USDA-ARS, 229-386-7073, tom.potter@ars.usda.gov
- Scott A. Senseman, Texas AM University, 979-845-5375, s-senseman@tamu.edu
- Ronald Parker, USEPA-OPP, 703-305-5505, parker.ronald@epa.gov

Pesticides: Bridging the Gaps between Chemistry, Exposure Science, Epidemiology, and Health Risks

- Jim Gray, Gray Executive Direction, 800-345-5109, james.gray@24D.org
- Keith Solomon, University of Guelph, (519) 824-4120, ksolomon@uoguelph.ca

Protection of Agricultural Productivity, Public Health, and the Environment – General Session

- John M. Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

Reactive Nitrogen (N_r) from Agriculture: Emission, Consequence, and Management

- Steven Trabue, USDA-ARS, 515-294-0201, steven.trabue@ars.usda.gov
- Viney Aneja, North Carolina State University, 915-515-7808, vpaneja@ncsu.edu
- Laura McConnell, USDA-ARS, 301-504-6298, laura.mcconnell@ars.usda.gov
- Bret Schichtel, National Park Service, 970-491-8581, schichtel@cira.colostate.edu
- Phil Silva, USDA-ARS, 270-781-2260, phil.silva@ars.usda.gov

Synthesis and Chemistry of Agrochemicals

- Tom Stevenson, DuPont Crop Protection, 302-366-5744, thomas.m.stevenson@usa.dupont.com
- Vid Hegde, Dow AgroSciences, 317-337-3032, vbhegde@dow.com

Worker Exposure – Are Your Senses a Proper Evaluation of Hazardous Exposure?

- Rodney Bennett, JRF America, 484-804-6963, rodney.bennett@jrfamerica.com



Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

AGRO International Award for Research in Agrochemicals

*Symposium on New Technology and Approaches Applied to the
Discovery of Agrochemicals to honor*

Dr. Thomas C. Sparks

for his contributions to the Discovery of New Agrochemicals

Sponsored by DuPont Crop Protection

Purpose of Symposium

This symposium is being organized in recognition of the research and accomplishments of Dr. Thomas C. Sparks of Dow AgroSciences in the field of insecticide discovery, on the occasion of his being awarded the International Award for Research in Agrochemicals.

Suggested Topics

- Application of new technologies to the discovery of fungicides, herbicides and insecticides.
- Approaches used in the discovery of fungicides, herbicides and insecticides.

For further information, contact the organizers

William Kleschick , Dow AgroSciences, 317-337-3106, wakleschick@dow.com
B. Clifford Gerwick, Dow AgroSceinces, 317-337-3119, bcgerwick@dow.com

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<http://abstracts.acs.org>



Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

***Environmental Fate, Transport and
Modeling/Monitoring of Agricultural Chemicals***

Purpose of Symposium

We hope to bring developers and users of US and international agricultural chemical exposure models together with those who conduct environmental fate and transport studies to identify model inputs and those who develop monitoring data for validation and calibration. In addition to measuring and defining environmental fate model inputs, another focus will be spatial and mechanistic modeling for regulatory ecological or drinking water risk assessments. A third general theme will be the use of models for refining predictions of the impacts of various mitigation and agricultural best management practices.

Suggested Topics

- Laboratory or field environmental fate study design and conduct
- Environmental Monitoring study design/conduct
- Design and regulatory relevance of model scenarios for drinking water and ecological exposure assessment
- Integrating Modeling and Monitoring
- Modeling of the Environment
- Policy implications of modeling, monitoring or environmental fate programs
- Evaluation of monitoring data and making effective use of existing monitoring data sets
- International application of modeling approaches using globally available data
- Development of spatially driven modeling tools
- Advances in available spatial data relevant to modeling

For further information, contact the organizers

Scott H. Jackson, BASF, 919- 547-2349, scott.jackson@basf.com

Paul Hendley, Syngenta Crop Protection, 336-632-6112, paul.hendley@syngenta.com

Natalia Peranginangin, Syngenta Crop Protection, 336-632-7389 natalia.peranginangin@syngenta.com

PACS for Author Abstract Submission January 23 - March 19, 2012
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Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

Fate and Exposure of Urban Applied Pesticides in the Context of Human and Ecological Risk Assessments

Purpose of Symposium

Many of the same pesticides used in agriculture are applied in urban environments. In addition, the potential for direct human contact can be significant. Given the time we spend in and around our homes, at work, and in urban recreation, there has been an intense and growing interest on the environmental fate of such chemicals and their impact on the health of humans, domestic species (companion animals, etc.), and endangered species. This symposium hopes to bring together academic and industry scientists, consultants and government regulators to discuss these issues in terms of what is known and what is not known, focusing on those special considerations and unique aspects found in the urban environment.

Suggested Topics

- Environmental fate and exposure assessment of urban applied pesticides in the context of human and ecological risk assessment.
- Science and science policy issues relevant to endangered species assessment, with focus on unique stressors (e.g., warm stormwater runoff from paved surfaces, application patterns for turf, ornamental and crack & crevice pesticides, etc.).
- Special considerations for human and conventional ecological risk assessments in urban environments.
- Modeling of the environmental fate of pesticides applied in the urban environment.
- Assessment of pesticide exposure in urban environments, including transferrable residues.
- Broad science issues that are currently being examined by NAS, USF&WS, NMFS, etc.

For further information, contact the organizers

Stuart Z. Cohen, Env'l. & Turf Services, Inc. 301-933-4700, ets@ets-md.com
Pamela Rice, ARS, USDA, 612-624-9210, pamela.rice@ars.usda.gov
John M. Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

PACS for Author Abstract Submission January 23 - March 19, 2012
<http://abstracts.acs.org>



Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

Human Health and Transgenic Crops

Purpose of Symposium

The most important transgenic crops to date are those associated with pest management. The influence of these crops on human health, compared to non-transgenic crops, has not been the topic of any symposium of which we are aware. Furthermore, transgenics offer potential health benefits by enhancing the nutritional and nutraceutical value of crops. Finally, pharmaceuticals are now being produced transgenically in crops. In this symposium we plan to cover all of these health aspects of transgenic crops.

Members of several Divisions of ACS in addition to AGRO should have an interest in this topic. They include AGFD, BIOT, ENVR, and MEDI.

Suggested Topics

- Human health effects of Bt crops
- Human health effects of glyphosate-resistant crops
- Using transgenes to improve the nutritional value of food
- Using transgenes to impart or enhance production of nutraceuticals in crops (e.g., golden rice)
- Reduction of mycotoxins in food through transgenic methods
- Production of pharmaceuticals in plants through transgenic methods
- Influence of transgenic crops on pesticide use

For further information, contact the organizers

Stephen O. Duke, USDA-ARS, 662 915 1036, stephen.duke@ars.usda.gov
Agnes Rimando, USDA-ARS, 662 915 1037, agnes.rimando@ars.usda.gov

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Call for Papers
244th ACS National Meeting & Exposition
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Integrated Vector and Resistance Management

Purpose of Symposium

Insect vectors transmit many of the most dangerous infectious diseases in the World. The use of insecticides for the control of insect vectors is important in the prevention and control of infectious diseases. However, insecticide resistance limits the effectiveness of chemical strategies for vector control and, thus, presents a serious public health challenge.

This symposium will bring together academic, government, and industry scientists to discuss the motivation for novel insecticides, the development of insecticide resistance surveillance programs, and the use of insecticide resistance management strategies for insect vectors of infectious disease.

Suggested Topics

- Insecticide Design and Discovery
- Insecticide Mechanisms of Action
- Insecticide Resistance Mechanisms and Evolution
- Insecticide Resistance Surveillance
- Insecticide Resistance Management
- Vector Ecotoxicology

For further information, contact the organizers

Jeffrey R. Bloomquist, University of Florida, Gainesville, 352-273-9417, jbquist@epi.ufl.edu
Troy D. Anderson, Virginia Tech, Blacksburg, 540-231-1862, anderst@vt.edu

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Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

Is Your Analytical Method Good Enough?

Purpose of Symposium

What is good enough and who says so? Why do different organizations require different analytical method validation protocols and acceptability criteria even for similar applications and purposes? What criteria should be acceptable for non-standard applications? How does your method compare to the criteria.

In this full- day symposium, method acceptability criteria will be presented and discussed from perspectives both industry and government for emerging as well as existing applications. This topic is global with worldwide interest and ramifications. Interested parties should include agricultural and analytical chemists, regulators, quality assurance officers, and laboratory managers from government, academia, food and agrochemical industries, contract laboratories, and instrument companies.

Intended outcomes from the presentations and discussions are greater awareness of existing validation protocols and acceptability criteria, assessment of emerging needs, and possible unification of “good enough” standards by multiple parties. Other ACS divisions that may be interested include Agriculture & Food Chemistry and Analytical.

Suggested Topics

- EPA, USDA, FDA method validation and acceptability standards for different applications
- EU and other international method validation and acceptability standards for different applications
- Contract research laboratory perspectives
- Agrochemical and food industry perspectives
- New methods and validation for pesticides and veterinary drug residues analysis
- Emerging applications and techniques and their applicability to existing standards or not
- Biotechnology and dosimetry methods and applications
- Qualitative screening and/or chemical identification validation protocols and method acceptability standards
- Immunochemical methods
- Nontargeted methods of analysis

For further information, contact the organizers

Julie Eble, Critical Path Services, 610-558-3001 ext. 100, Julie.Eble@criticalpathservices.com
Steve Lehotay, USDA-ARS, 215-233-6433, Steven.Lehotay@ars.usda.gov

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Maximum Residue Levels of Agricultural Chemicals on Food

Purpose of Symposium

Governments around the world establish Maximum Residue Levels (MRLs) for food and animal feed commodities based on an exhaustive review of the scientific studies required for the registration of the agricultural chemicals used today. Trade can be severely impacted if the MRL in the farmer's country is different from the MRL in the export country. Many causes of un-harmonized MRLs have been identified and include: varying definitions of residue, analytical methodology, different labeled uses of agricultural products, regional diets and diverse means of calculating a MRL.

Regulators who establish MRLs, international organizations dedicated to ensuring food safety in developing nations, scientists from the chemical industry and those directly impacted by un-harmonized MRLs (growers, packers, shippers, etc.) will discuss where we are today. Has progress been achieved in harmonization efforts around the world? Is the mix of good science and more MRL legislation making it easier to trade food commodities around the world?

This symposium will be of particular interest to ACS members in the Agricultural & Food Chemistry, Analytical Chemistry, and Chemistry & the Law Divisions.

Suggested Topics

- OECD MRL calculator
- Conducting residue studies to meet global MRL registration challenges
- Role of Codex in establishing harmonized MRLs
- Foreign Agricultural Service capacity building efforts to obtain MRLs or Import Tolerances in developing nations
- Crop group harmonization efforts by IR-4/EPA and Codex
- Addressing non-science based secondary standards in the EU
- Role of Agricultural Attaché at US Embassies in agricultural trade
- MRL harmonization efforts between Canada and the USA
- Global Minor Use Summit achievements
- MRL setting process in burgeoning foreign markets

For further information, contact the organizers

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Phil Brindle, BASF Agricultural Solutions, 919-547-2654, philip.brindle@basf.com
Jamin Huang, Bayer CropScience, 919-549-2634, jamin.huang@bayer.com

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***Mechanisms of Insecticidal Action and Resistance:
New Compounds and Recent Advances***

Purpose of Symposium

Pesticide science has been given the important task of providing human society the food, fiber and health that it requires in an environmentally safe, sustainable and affordable manner. One of the main challenges that we face today in obtaining these goals is pesticide resistance and this particularly problematic when controlling insect pests by applying insecticides.

Many of the most important agricultural pest insects, insect vectors and insects associated with humans (e.g., lice, bed bugs and cockroaches) have become resistant and new insecticides with novel modes of action are critically needed. Additionally, mechanisms of resistance need to be determined proactively in order to implement effective and sustainable pest management.

Suggested Topics

- Action of the Spiroindolines, Spinosyns, Metaflumizone, etc.
- Sodium Channel Inhibitor Insecticides
- Novel Anticholinesterases for Vector Control
- Structure of the Pyrethroid Receptor
- Control of Human Lice, Bed Bugs and Cockroaches
- Use of the Transcriptome to Identify Detoxification Genes

For further information, contact the organizers

David Soderlund, Cornell University, 315-787-2364, dms6@cornell.edu
John Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

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Natural Products for Pest Management

Purpose of Symposium

Natural products are playing a large and increasing role in pest management for numerous reasons. Scientists from many disciplines are researching natural products as environmentally friendly, green solutions to pest management problems.

Natural Products for Pest Management will bring together scientists from academic, government, and industrial laboratories to discuss their progress and possibilities. Members from AGFD, AGRO, ANYL, ENVR, ORGN, and TOXI will have the opportunity to learn, interact, and discuss the exciting topics planned.

Suggested Topics

- Acaricides
- Adjuvants
- Attractants (non-pheromonal)
- Repellents
- Biofumigants
- Fungicides
- Herbicides
- Insecticides
- Nematicides
- Molluscicides
- Pheromones
- Animal health pests
- Public health pests
- Post-harvest pest management

For further information, contact the organizers

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Next Generation Biofuels and Bioproducts: Advances and Challenges

Purpose of Symposium

Development of biofuels and other bioproducts is a national priority. Increases in energy demand and prices are mirrored with an increase in food consumption, rendering viable solutions extremely challenging while still meeting global demand. Numerous issues have been examined as a result of policy initiatives to utilize biofuel as a major energy source in the US and in other nations.

The symposium will explore advances in biofuel production including potential new biofuels and new sources for fuel and bioproduct production, such as non-food crops or food co-products. In addition, new findings in process chemistry development, enzyme chemistry, and analytical techniques used to evaluate the composition of fuels from biomass will be examined. Policy inputs, market development, environmental sustainability, and lifecycle analysis of bioproduct and biofuel and production will be discussed.

This symposium will add to the current knowledge base on biofuel production and identify both scientific and policy gaps. Sessions are expected to bring together scientists and others at the national and international level to discuss the most recent advances and approaches and to consider the challenges and possible solutions.

Suggested Topics

- **Next generation/alternative biofuels:** butanol; terpene chemistry; hydrogen generation; production and storage
- **New bioproducts:** chemistry of production; bioproduct usage; market issues
- **Cellulosic conversion:** enzyme chemistry advances; sources of cellulosic enzymes; genetic modification of production organisms
- **New feedstocks:** algae; waste streams; wood, food, and animal byproducts (fats, manure, feather, etc.)
- **Large-scale production:** chemical and microbial concerns; biocatalysis
- **Life cycle analysis and environmental sustainability:** land use modeling; water usage; greenhouse gas reduction potential of biofuels; nanoparticle and other emissions from biofuel combustion
- **Economic, policy, and regulatory concerns:** feasibility; market development; balancing food, feed, and fuels
- **Quality control:** analytical tools for biofuels; trace elements in biofuels

For further information, contact the organizers

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Call for Papers
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Perfecting Communication of Chemical Risk

Purpose of Symposium

Fear of chemicals is a common response, in part for good reason. We need to reassure the community that rational means of managing environmental risk are becoming available and that safety is one of the main reasons for regulation. Scientific outcomes of the symposium will be better techniques, lessons from past experiences together with proposals to improve these techniques and their communication to the public as effective information.

The symposium will attract those interested in chemical risk management including ecotoxicologists, environmental chemists, agrochemists, ecosystem managers and regulators needing better techniques. Policy issues related to regulation of chemical safety as well as the role of international conventions will be discussed. The content will be of interest to other ACS Divisions, including Analytical, ENVR, and Fuels.

Suggested Topics

- Assessing and communicating risk effectively
- Learning from case studies (Gulf spill and food safety, endosulfan and the Stockholm Convention, etc.)
- Fumigants and other recent pesticide issues
- Comparing organic vs conventional production
- Improving regulatory frameworks
- Better stewardship of chemicals reducing risk
- Communicating scientific information to the media

For further information, contact the organizers

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Call for Papers
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Pesticide and Fumigant Emissions from Agricultural Systems

Purpose of Symposium

Emissions of pesticides and soil fumigants can adversely impact regional air quality, and creates significant challenges to maintaining sustainable of food supplies and the quality of national resources.

To successfully mitigate harmful effects of pesticide emissions to the atmosphere, researchers are faced with many challenges. Novel measurement systems are needed to accurately determine short-term and cumulative emission rates. Improved understanding of the processes affecting pesticide behavior in soil and release to the atmosphere are needed to characterize emission behavior. Improved mathematical models are needed that can accurately predict atmospheric emissions under a wide range of conditions and that can be used for improved risk assessments. With a more complete understanding of the behavior of pesticides in agricultural systems, new control technologies can be developed to reduce adverse impacts.

The goals of this symposium are to provide and share new research information and insights, to identify gaps in current knowledge, and to foster interaction between researchers across many scientific disciplines. As an improved understanding of the relationships between pesticide use and the effect on environmental systems, technological advances should enable a reduction in adverse consequences on the environment.

Suggested Topics

- General topics concerning pesticides and air quality
- Experimentation related to pesticide emissions & emission factors
- New instrumentation and technologies
- Modeling pesticide emissions from soil
- Pesticide transport in the atmosphere
- Spray drift and deposition
- Soil fumigant emission and emission reduction
- Pesticide management practices and control strategies to mitigate emissions
- Alternative pest control technologies, including non-chemical or reduced chemical approaches
- Pesticide VOC emissions and the effect on production of near surface ozone
- Risk assessment

This symposium will bring together individuals from government, academia, and industry who are working to understand, quantify, and mitigate pesticide and fumigant emissions and their adverse effects on air quality.

For further information, contact the organizers

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***Pesticide Environmental Fate Properties: Measurement, Prediction,
Limitations, and Reliability***

Purpose of Symposium

Effective use of pesticide fate and transport models requires measurement and or prediction of numerous environmental fate parameters. Our goal is to improve knowledge and identify research needs on this critically important topic. Results are expected to improve the accuracy of pesticide exposure assessments and in the process facilitate harmonization of pesticide registration globally.

A major challenge in extending registrations especially in developing nations is the lack of reliable pesticide environmental fate data that reflect local agronomic and climatic conditions. Spatial and temporal variability, fate process coupling and interaction, conservation practice implementation, and changing climates may add also substantial variability to pesticide fate parameter values.

This symposium encourages presentations describing original research, cases studies, and literature review which address these and related topics. Scientists and regulators engaged in all aspects of pesticide exposure assessment will benefit by active participation.

Suggested Topics

- Pesticide sorption/desorption on soils, sediments, and other sorbents
- Degradation rate measurements including impacts of environmental variables, microbial community adaptation, and appropriate use of kinetic models
- Washoff from vegetation and other surfaces
- Spatial and temporal variation and interactions among pesticides, and pesticide fate properties
- Impacts of conservation practices
- QSAR and other tools for pesticide property prediction.
- Database availability, reliability, and management
- Climate change impacts

For further information, contact the organizers

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Ronald Parker, USEPA-OPP, 703-305-5505, parker.ronald@epa.gov

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***Pesticides: Bridging the Gaps between Chemistry, Exposure Science,
Epidemiology and Health Risks***

Purpose of Symposium

TO INFORM ON SCIENTIFIC ADVANCES IN THE UNDERSTANDING OF CHEMISTRY AND EXPOSURE SCIENCE AND ASSESSMENT.

TO RECOGNIZE CHALLENGES AND CONTROVERSIES IN THE ASSESSMENT OF EXPOSURE, EFFECTS AND HEALTH OUTCOMES.

- Develop relationships in the medical community to develop and guide placement of continuing medical education modules on understanding pesticide exposures.
- Speakers will showcase the thorough evaluation and assessment procedures undertaken by Regulatory Authorities, explain margins of safety for real-life exposures and discuss the usefulness of Biomonitoring Equivalents.
- Exposure scientists, epidemiologists and toxicologists will be interested in the session.
- State Ag and Health Officials can utilize this information.
- There is a critical need to communicate this information uniformly to the medical community. Activists have used partial truths to raise alarm within the public. The exposure and toxicity information is vast, but not easily understandable for use by busy clinicians.
- Presentations by Regulatory Authorities will be useful in communicating the strong regulatory paradigm to State Legislative leaders and the public.

Suggested Topics

- Risk assessment of bystander exposure
- Registration review and updating databases for existing products
- Development of biomonitoring equivalents
- Biomonitoring equivalents for public health consideration
- Assessing mixtures in the environment
- Explanation of the ag health study: what it does and doesn't tell us
- Applications and limitations of biomonitoring studies
- The growing divide between exposure science and health outcomes studies
- Precautionary approach: 50 years of "reasonable certainty of no harm"
- The physicians view
- Hazard vs. Risk
- Communicating risk
- Exposure vs. Effects

For further information, contact the organizers

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Call for Papers
244th ACS National Meeting & Exposition
August 19 – 23, 2012
Philadelphia, Pennsylvania

***Protection of Agricultural Productivity, Public Health
and the Environment – General Session***

Purpose of Symposium

The AGRO Division currently programs in 15 topic areas but not all topics are developed into a technical symposium every meeting.

The General Session therefore allows our members and other scientists to submit papers even though a specific symposium topic is not offered. Both oral and poster presentations are possible and every attempt is made to group papers into “mini symposia” within this session.

Suggested Topics

The 15 technical topics that AGRO programs in are listed on page 43 and are also available in the electronic newsletter and on the AGRO web site www.agrodiv.org

For further information, contact the organizers

John M. Clark, UMASS-Amherst, 413-545-1052, jclark@vasci.umass.edu

Synthesis and Chemistry of Agrochemicals

Purpose of Symposium

This symposium will highlight recent research in the synthesis and chemistry of agrochemicals. Talks which describe the design, isolation, synthesis, biology and/or structure-activity relationships of new chemistry targeting crop protection are welcomed.

Suggested Topics

- Insecticides: Agronomic, Urban or Animal Health
- Herbicides
- Fungicides
- Nematicides

For further information, contact the organizers

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Call for Papers
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***Reactive Nitrogen (N_r) from Agriculture:
Emission, Consequence, and Management***

Purpose of Symposium

Emissions of reactive nitrogen compounds from agricultural operations contribute to a number of adverse human health and environmental effects. The objective of this symposium is to highlight the role agriculture has in both the emission and management of reactive nitrogen compounds and the impact these compounds have on the environment.

The symposium is focused on bringing together scientists from agriculture, atmospheric and environmental sciences to discuss current knowledge related to the release and effects of reactive nitrogen compounds from agriculture. Other divisions within ACS who might be interested include ANYL, ENVR and COLL and other divisions involved with atmospheric chemistry.

Suggested Topics

- Innovative sample collection and analysis technologies for reactive nitrogen compounds.
- Novel techniques in flux measurements
- Model assessments and validations
- Mitigation and management practices reducing emissions.
- Fate, transport, and deposition of N_r in the environment.
- Reactivity and transformation of reactive nitrogen compounds in the atmosphere.
- Urban, rural and agricultural air quality challenges
- Impact of reactive nitrogen deposition in ecosystems.

For further information, contact the organizers

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***Worker Exposure – Are Your Senses A Proper
Evaluation of Hazardous Exposure?***

Purpose of Symposium

This symposium will cover current evaluation practices for worker exposure and compare hazardous exposure to perceived exposure based on the five human senses: taste, touch, hearing, seeing and smelling. Many of our perceptions are culturally based and these are examined from a global perspective. Proper public awareness linked with stewardship programs can ensure that both perception of hazardous exposure and actual hazardous exposure are properly balanced. These topics have broad interdisciplinary requirements from environmental, analytical and toxicological inputs to communication and legal assessments. We encourage other ACS Divisions that might be interested, such as, Biochem, Analytical, ENVR, AGFD, PUB, etc. to participate in this symposium.

Suggested Topics

- Public Awareness of Worker and Bystander Exposure
- Environmental Impact of Odors
- “Not In My Backyard”
- City Folks Moving to the Country – What do I see? What I smell? What do I hear?
- What do misinterpretations COST – fire, emergency and safety and health responders?
- How to communicate effectively to both the agrichemical community as well as the community at large? Odor Perception
- Cultural Differences in Perception of Hazardous Exposure

- New Toxicological Perspectives
- Modeling Techniques
- FLUX
- Stewardship Techniques for Reducing Exposure

For further information, contact the organizer

Rodney Bennett, JRF America, 484-804-6963, rodney.bennett@jrfamerica.com

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7 Easy Steps for Organizing a Symposium

*Thinking about organizing a symposium for a future National Meeting?
It's really not that difficult. Here's how.*

1. Propose, adopt, or borrow a symposium topic (e.g., *Chemistry for and from Agriculture*)
2. Inform the AGRO program chair, who will add to the list and arrange for Program Committee endorsement
3. Develop a paragraph summary of the symposium scope and potential lecture topics (template is on the website)
4. Locate one or more co-organizers if desired
5. Recruit speakers and invite abstracts (Half-day = 5-8 speakers; 1 day = 12-15 speakers)
6. Review and accept abstracts, and then order your speakers/sessions
7. Chair the symposium session

Future ACS National Meetings & Expositions

243rd ACS National Meeting & Exposition

March 25-29, 2012
San Diego, California
Program Theme: Chemistry of Life

244th ACS National Meeting & Exposition

August 19-23, 2012
Philadelphia, Pennsylvania
Program Theme: Materials for Health & Medicine

245th ACS National Meeting & Exposition

April 7-11, 2013
New Orleans, Louisiana
Program Theme: Chemistry of Energy & Food

246th ACS National Meeting & Exposition

September 8-12, 2013
Indianapolis, Indiana
Program Theme: Chemistry in Motion

247th ACS National Meeting & Exposition

March 16-20, 2014
Dallas, Texas

248th ACS National Meeting & Exposition

August 10-14, 2014
San Francisco, California

249th ACS National Meeting & Exposition

March 22-26, 2015
Denver, Colorado

250th ACS National Meeting & Exposition

August 16-20, 2015
Boston, Massachusetts

251st ACS National Meeting & Exposition

March 13-17, 2016
San Diego, California

252nd ACS National Meeting & Exposition

August 21-25, 2016
Philadelphia, Pennsylvania

253rd ACS National Meeting & Exposition

April 2-6, 2017
San Francisco, California

254th ACS National Meeting & Exposition

September 10-14, 2017
St. Louis, Missouri

255th ACS National Meeting & Exposition

March 18-22, 2018
New Orleans, Louisiana

256th ACS National Meeting & Exposition

August 19-23, 2018
Boston, Massachusetts

257th ACS National Meeting & Exposition

March 31-April 4, 2019
Orlando, Florida

258th ACS National Meeting & Exposition

August 25-29, 2019
San Diego, California

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Programming & Outreach Activities 2012 – 2014

Activity/Event	Leaders Champions	Status	Actions Required
49 th Florida Pesticide Residue Workshop July 2012 St Pete Beach, Florida	Kevin Armbrust Steve Lehotay	<ul style="list-style-type: none"> • Call for papers is now open 	<ul style="list-style-type: none"> • Submit your abstract for oral papers by May 1 and for posters by June 1 at http://www.flworkshop.com/
5 th Pan-Pacific Conference on Pesticide Science Beijing, China September 17-21, 2012	H. Matsumoto Steve Duke Jim Seiber John Clark	<ul style="list-style-type: none"> • Call for papers is now open 	<ul style="list-style-type: none"> • Submit your abstract by June 1, 2012 at www.2012iupac.com
244 th ACS National Meeting August 19-23, 2012 Philadelphia, Pennsylvania	John Clark	<ul style="list-style-type: none"> • Call for papers is now open 	<ul style="list-style-type: none"> • Submit your abstract by March 19, 2012 at http://abstracts.acs.org
Activities 2013 – 2014			
246 th ACS National Meeting Indianapolis, Indiana September 8-12, 2013	Steve Duke	<ul style="list-style-type: none"> • Symposia planning at Blues and Brews on Wednesday, August 22, 2012 	<ul style="list-style-type: none"> • Submit symposia proposals (in Call for Papers format) to Steve Duke by November 15, 2012 for inclusion in Spring 2013 PICOGRAM
248 th ACS National Meeting & 13 th IUPAC Pesticide Congress San Francisco, CA August 24-28, 2014	2013 Vice Chair Laura McConnell Ken Racke	<ul style="list-style-type: none"> • Follow progress on website www.iupac2014.org 	<ul style="list-style-type: none"> • Sign up for email updates at website www.iupac2014.org



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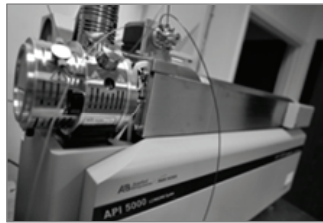
- Regulatory assistance with EPA compliance (FIFRA and TSCA)
 - Computer simulation modeling
- Focus on pesticides and fertilizers for turf and agriculture
 - Focus on lead and arsenic for shooting ranges
- Staff expertise in environmental chemistry and toxicology, agronomy, hydrogeology, GIS, and hydrology
 - FIFRA data compensation and toxic torts
 - Nutrient impacts and TMDLs

Contact: Stuart Z. Cohen, Ph.D., CGWP
www.environmentalandturf.com
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Programming Committee

Champions listed with Topic Area

Committee Chair (Current Vice-Chair)

Steve Duke, stephen.duke@ars.usda.gov

Protection of Agricultural Productivity, Public Health and the Environment – General Session

Current Vice-Chair:

Steve Duke, stephen.duke@ars.usda.gov

Advances in Agrochemical Residue, Analytical and Metabolism Chemistry & Metabolomics

Kevin Armbrust, armbrust@msd.msstate.edu

Steve Lehotay, steven.lehotay@ars.usda.gov

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Rod Bennet, rodney.bennett@jrfamerica.com

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Teresa Wehner, teresa.wehner@merial.com

Agricultural Air Quality: Emissions, Measurement, Modeling, Mitigation and Atmospheric Chemistry

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Bioenergy, Bioproducts, and Biochars: Advances in Production and Use

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Biorationale Pesticides, Natural Products, Pheromones, and Chemical Signaling in Agriculture

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Development of Value-added Products from Agricultural Crops and Byproducts

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Developments in Integrated Pest Management and Resistance Management

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Environmental Fate, Transport, and Modeling of Agriculturally-related Chemicals

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Synthesis of Bioactive Compounds

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Technological Advances and Applications in Agricultural Science (e.g., Nanotechnology, Genetically-modified Organisms and Biocontrol Agents)

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Urban Agriculture- Turf, Ornamentals, Household Products, and Water-Re-Use

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AGRO DIVISION at the ACS FALL 2011 NATIONAL MEETING

A synopsis compiled by Nancy Ragsdale

The American Chemical Society (ACS) held their 242nd national meeting August 28 - September 1, 2011 in Denver, Colorado; the meeting theme was "Chemistry of Air, Space & Water". Although Hurricane Irene hindered travel from the East Coast, more than 10,000 chemists and visitors attended the meeting, including approximately 2,400 students and 1,000 exposition exhibitors. The Agrochemicals Division (AGRO) organized a robust and diverse program. Abstracts from the AGRO program are available for downloading via the Fall 2011 issue (Vol. 80) of the *PICOGRAM* (<http://www.agrodiv.org/picograms/>). In addition, copies of slide presentations from a number of the symposia will be posted to the website at the following link: <http://www.agrodiv.org/242nd-acn-national-meeting-exposition/>

International Award

Dr. George P. Lahm, DuPont, received the International Award for Research in Agrochemicals for his contributions to the discovery of new insecticides. This award is presented by AGRO and co-sponsored by BASF Corporation and DuPont Crop Protection. Dr. Lahm's pioneering research in the area of sodium channel blockers set the stage for the discovery of the novel sodium channel blocker, indoxacarb, the first agricultural product to work by this mechanism. In 1999 he discovered the anthranilic diamides, a new insecticide class and led DuPont research teams in the discovery of two new insecticides in this class: Rynaxypyr™ and Cyaxypyr™, which have high insect specificity and a unique mode of action, ryanodine receptor activation, thus interrupting normal muscle contraction. Following the award presentation Dr. Lahm spoke on "Evolving strategies in insecticide discovery: A career perspective". A symposium followed with presentations on recent progress in the discovery of new insecticides, fungicides and herbicides.

Dr. Lahm received his B.S. in chemistry from the State University of New York, Oswego and his Ph.D. in organic chemistry from Indiana University. He has received numerous awards and honors. He was the co-recipient of the 2003 ACS Team Innovation Award for the discovery of indoxacarb and the recipient of the 2009 Spencer Award for outstanding achievement in the field of agricultural and food chemistry. In 2010 he was appointed DuPont Distinguished Scientist, the company's highest rank. Also in 2010 he was awarded the Lavoisier medal, DuPont's highest technical award for lifetime contributions. Dr. Lahm currently holds over 50 U.S. and world patents and has published extensively at scientific meetings and in peer reviewed journals.

Sterling B. Hendricks Memorial Lectureship

Dr. Deborah P. Delmer received this lectureship award for her outstanding contributions to the chemical science of agriculture. This award is sponsored by USDA-ARS and co-sponsored by the AGRO and Agricultural and Food Chemistry Divisions. She has held a number of positions in universities and research organizations including that of Professor at the Hebrew University of Jerusalem and Professor and Chair of the Section of Plant Biology at the University of California at Davis. Early in her career she began studies on biosynthesis of plant cell walls. While at Calgene, Inc. her group was the first to identify plant homologs of bacterial genes that encode the catalytic subunit of cellulose synthase. Much of her later research focused on the role of this gene family in plant cellulose synthesis. In 2002 Dr. Delmer joined the Rockefeller Foundation to serve as Associate Director for Food Security, charged with making grants and policy relating to the role biotechnology can play in advancing the improvement of crops. Since retiring in 2007, she serves on a number of advisory boards and works independently as a consultant to foundations, industry and governments on developing world agriculture and on issues related to biomass production. Dr. Delmer's lecture was "Applying advances in chemistry to benefit developing world agriculture".

Dr. Delmer received a B.A. in bacteriology from Indiana University and a Ph.D. in cell biology from the University of California at San Diego. In 2004 she received the Anseime Payen Award from ACS in recognition of excellence in the science and chemical technology of cellulose. She has served as President of the American Society of Plant Biologists and is a member of the U.S. National Academy of Sciences.

AGRO Division Fellow Award

Dr. Laura McConnell was honored by her election as an AGRO Fellow. She has made substantial contributions to the field of agricultural chemistry through her research of processes controlling the movement of pesticides, volatile organic compounds and other pollutants from agricultural operations into the atmosphere or surface waters with the ultimate goal of designing more sustainable farming systems that will minimize negative impacts. She has also generously contributed her time and talents to AGRO through leadership and innovative ideas. In addition to actively serving on numerous committees, she has held a number of key positions including that of Division Chair. Dr. McConnell is a Research Chemist in ARS, USDA.

New Investigator Award

Dr. Cody Howard received the New Investigator Award presented by AGRO and sponsored by Dow AgroSciences. This award recognizes scientists who have obtained a doctoral degree within the past five years and are actively conducting academic, industrial, consulting or regulatory studies related to aspects of agrochemicals. Dr. Howard received his Ph.D. from the University of California at Davis where he developed a field method for determining ozone

formation potential of livestock, silage and pesticide inert emissions using a transportable smog chamber. He is currently a post doctoral researcher with ARS, USDA working with Drs. Cathleen Hapeman and Laura McConnell. His research focuses on utilizing computer models and field data to predict the fate and transport of pesticides, particulate matter, ammonia and VOCs from agricultural operations and to discern their effects on air quality and ecosystem health in the Chesapeake Bay region. His presentation was entitled "Pesticide emission model: Evaluation of performance in predicting pesticide emissions from the Chesapeake Bay region". In addition a special symposium was held for new investigators.

Student Awards

A large group of graduate and undergraduate students applied for AGRO Education Awards to attend this meeting and present posters in AGRO. Awards help defray costs of attending the meeting. Posters were displayed in a special poster session and judged on scientific merit as well as visual and oral presentations. Winners received additional cash awards.

Symposia

AGRO held eleven symposia plus a general topics poster session in addition to sessions associated with the preceding awards. The following provides a brief summary of these symposia.

- **Analytical Challenges for Crop Protection Products:** Scientists addressed method development, improvements in detection limits and impacts of formulation adjuvants on non-target species in efforts to address reduction in application rates.
- **Bioavailability and Extractability of Pesticide Residues:** Speakers addressed pesticide bioavailability to organisms residing in various environmental compartments and the relationship to environmental risk assessment.
- **Evaluating Agrochemical Aquatic Exposure Modeling in Relation to Risk Evaluation Needs:** This symposium focused on research designed to improve the utility of models that provide predictions used in regulatory and business settings.
- **Agrochemical Use on Tribal Lands in the U.S. - Understanding Benefits, Issues and Cultural Influences:** Scientists explored various aspects of agrochemical use including human exposure, integrated pest management and water quality.
- **Managed Ecosystems, Pesticides and Biodiversity:** This session explored effects and options for pesticide use and habitat management with examples from forestry and agriculture.
- **Advances in Protection of Agricultural Productivity, Public Health and the Environment:** Oral and poster presentations addressed a variety of topics including public health, biopesticides, plant resistance to pests and exposure concerns.

- **Endangered Species Act and Pesticide Regulation - Scientific and Process Improvements:** This symposium brought together key stakeholders who presented information related to integration of issues, new approaches to assessment, species-specific impacts and case studies.
- **Modern Agriculture and Biotechnology - Tools for Sustainability:** Speakers addressed advancements in sustainable solutions to ensure adequate food, fiber and fuel.
- **Agriculture and Air quality - Emission Measurements and Models.** Presenters addressed pesticides and VOCs, animal feeding operation emissions, emission measurement and modeling, and reducing agricultural emissions.
- **Parameters for Pesticide QSAR and PBPK/PD Models:** This symposium presented new data associated with structure activity relationships and physiologically-based pharmacokinetic/pharmacodynamic modeling that enhance the process of determining responses to pesticides in human risk assessment.

AGRO also cosponsored three symposia with other ACS divisions. Two were held with the Environmental Chemistry Division:

- **Black Carbon and Biochar for Soil Fertility and Carbon Sequestration.**
- **Veterinary Pharmaceuticals in the Environment**

One was held with the Agricultural and Food Chemistry Division:

- **Future Agricultural Consumer Safety Demands for the Global Market**

Future AGRO Programming

The AGRO Division will next organize a program at the Fall 2012 ACS national meeting to be held in Philadelphia, PA during August 19-23. Abstract submissions will be due by March 2012 and a listing of currently planned symposia may be found at:

www.agrodiv.org/244th-acs-national-meeting-exposition/

The 5th Pan-Pacific Conference on Pesticide Chemistry will be held in Beijing, China during September 15-20, 2012. AGRO is joining with IUPAC, the Pesticide Science Society of Japan and Beijing Pesticide Society in co-organizing this conference. Program details may be found at:

www.agrodiv.org/events/5/5th-pan-pacific-conference-of-pesticide-chemistry/

Further ahead, AGRO will organize the 13th IUPAC International Congress of Pesticide Chemistry in San Francisco, California, during August 10-14, 2014. Visit the website for details at www.iupac2014.org.

49th ANNUAL FLORIDA PESTICIDE RESIDUE WORKSHOP

*July 15-18, 2012
TradeWinds Island Resort
St. Pete Beach, Florida*

Information and online registration at
www.FLworkshop.com



*New Name in 2013
North American
Chemical Residue
Workshop*

Abstract deadline: May 1 for talks and June 1 for posters

Oral sessions to include:

- Analytical methods and innovative technologies for pesticide and other chemical residues in foods and environmental matrices
- Analytical methods for veterinary drug residues
- Sample preparation methods
- Mass spec instrumental methods, techniques and problem solving
- Updates from state agricultural and health laboratories
- International programs in residue analysis – global trade issues
- Emerging contaminants and residues in the environment
- Non-targeted residue analysis
- Issues associated with residue screening methods
- Regulatory monitoring programs and priorities

Short Courses on Saturday to Sunday, July 14-15th

***FDA/State informal round table discussion to share ideas
on technical issues from 4 - 6 pm on Sunday afternoon***

Manuscripts related to the meeting will be considered for publication
in a special section of *Journal of Agricultural and Food Chemistry*

**Poster sessions to be held each morning in the Exhibits area
A prize will be given for the top poster as voted by the attendees**



5th Pan-Pacific Conference on Pesticide Chemistry

4th International Symposium on Pesticides and Environmental Safety

8th IUPAC Workshop on Crop Protection Chemistry and Regulatory Harmonization

Beijing, China
September 15-20, 2012



Background

The scientific study, evaluation, and regulation of crop protection chemistry are rapidly developing in countries around the Pacific Rim, particularly with respect to product quality, risk assessment, environmental impacts, and food residues. There is a growing desire on the part of scientists, regulators, and industry leaders throughout the region to consider the applicability of international approaches for management of crop protection chemistry in support of a safe and abundant food supply.

This crop protection chemistry conference will be the 8th in a series of workshops sponsored by IUPAC since 1988, and will be combined in planning with the 4th in a series of environmental symposia sponsored by BPS and CAU.

An exciting new development is that the conference will also now be combined in planning and organization with the 5th Pan-Pacific Conference on Pesticide Chemistry.

Scientific Main Topics

- New pesticide discovery and synthesis
- Pesticide quality, manufacturing & specifications
- Formulation and application techniques
- Pesticide residues in food and international trade standards
- Environmental fate & safety assessment of pesticides
- Global views and harmonized approaches to pesticide regulation

Organizers and Sponsors

- International Union of Pure and Applied Chemistry (IUPAC)
- Beijing Pesticide Society (BPS)
- Pesticide Science Society of Japan (PSSJ)
- China Agricultural University (CAU)
- AGRO Division of the American Chemical Society

For Additional Information

Workshop Secretariat: Zhang Jing (iupac2012@yahoo.cn)
Conference Website: www.2012iupac.com

IUPAC website: www.iupac.org/web/act/Beijing_2012-10-08

AGRO Coordinators:

Steve Duke (sduke@olemiss.edu)
Jim Seiber (jnseiber@ucdavis.edu)



13TH IUPAC CONGRESS OF PESTICIDE CHEMISTRY CROP, ENVIRONMENT, AND PUBLIC HEALTH PROTECTION: TECHNOLOGIES FOR A CHANGING WORLD

Co-sponsored by IUPAC and ACS-AGRO

The Congress will be held concurrently with the 248th American Chemical Society National Meeting & Exposition. Sign up for email updates at our website www.iupac2014.org

MAJOR TOPIC AREAS WILL INCLUDE:

- Discovery, Mode of Action, Resistance Management
- Biotechnology
- Non-Crop Uses
- Environmental Fate and Ecological Effects
- Food Residues and Human Exposure
- Regulation, Stewardship, and Delivery Systems

AUGUST 10-14, 2014

San Francisco, California USA

www.iupac2014.org



2012 AGRO Division Officers



Dr. Aldos C. Barefoot
Division Chair



Dr. John M. Clark
Program Chair



Dr. Stephen O. Duke
Vice Chair



Dr. John J. Johnston
Treasurer



Dr. Sharon K. Papiernik
Secretary

AGRO Division Past Chairs

1969	Donald G. Crosby	1984	Robert M. Hollingsworth	1999	Richard Honeycutt
1970	Elvins Y. Spencer	1985	John Harvey, Jr.	2000	Ann T. Lemley
1971	Wendell Phillips	1986	Henry J. Dishburger	2001	Jeffery Jenkins
1972	Philip C. Kearney	1987	James N. Seiber	2002	Terry D. Spittler
1973	Roger C. Blinn	1988	Paul A. Hedin	2003	Jeanette Van Emon
1974	Charles H. Van Middeltem	1989	Gustave K. Kohn	2004	Rodney Bennett
1975	Henry F. Enos	1990	Willa Garner	2005	Allan Felsot
1976	Julius J. Menn	1991	Guy Paulson	2006	R. Donald Wauchope
1977	James P. Minyard	1992	Joel Coats	2007	Laura L. McConnell
1978	Gerald G. Still	1993	Larry Ballantine	2008	John J. Johnston
1979	S.K. Bandal	1994	Nancy N. Ragsdale	2009	Kevin L. Armbrust
1980	Jack R. Plimmer	1995	Don Baker	2010	Ellen L. Arthur
1981	Marguerite L. Leng	1996	Barry Cross	2011	Kenneth D. Racke
1982	Gino J. Marco	1997	Willis Wheeler		
1983	G. Wayne Ivie	1998	Judd O. Nelson		

Officers and Committees of the AGRO Division

AGRO HAS PUBLISHED AN UPDATED VERSION OF THEIR OPERATIONS MANUAL TO REFLECT THE NEW COMMITTEE STRUCTURE ADOPTED IN 2011 AS PART OF THE NEW STRATEGIC PLAN. SEE AGRODIV.ORG UNDER ABOUT US FOR MORE DETAILS.

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See page ## for more information

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Ken Racke
Will Ridley
Jeanette Van Emon

AGRO Executive Committee

Phone Conference Meeting

August 11, 2011

1:00 – 3:40 pm EDT

Chair – Ken Racke

Participants

John Clark, Steve Duke, Cathleen Hapeman, Laura McConnell, Jim Seiber, Keith Solomon, Julie Eble, Ken Racke, Scott Johnson, John Johnston, Ann Lemley, Al Barefoot, Sharon Papiernik, Ellen Arthur, Pam Rice, Liliana Schwartz

1. Final Plans for Denver (Al Barefoot, Ken Racke)

- We have a full technical program, including 260 papers and posters.
- There is a “rainy day” fund allocated for travel. In case there is a specific request, we should be able to help students with travel grants. Al Barefoot is coordinating any last-minute requests for speaker financial support.
- Information on technical program sessions, awards sessions, business meeting, and social events in Denver has been posted in Volume 80 of the PICOGRAM.
- We are co-sponsoring two symposia with the Environmental Chemistry Division.
- Cathleen indicated that the Division is in need of new banners for the AGRO hospitality table and new flags for the lecterns (with the new AGRO logo).

MOTION: Authorize spending of up to \$800-900 on new banners and lectern flags in time for the Denver meeting. Motion passed.

- Cathleen noted that 400 PICOGRAMS would be delivered to the AGRO meeting site in Denver for distribution from the AGRO table.
- The AGRO annual business meeting is planned for Sunday evening, August 28, beginning at 5:00 p.m. in Korbel Ballroom 4D at the Colorado Convention Center. Ken will soon be sending out the agenda for the Business Meeting. The speakers are asked to return their reports before the meeting.
- Jim Seiber suggested that in Denver we should discuss the multidivisional programming discussions for the New Orleans meeting in 2013. Main topics: food and biofuels.
- John Clark asked for the same kind of input for the Philly meeting next year. A meeting of the AGRO Programming Committee is planned for Sunday, August 28, beginning at 9:00 a.m. in Room 201 at the Colorado Convention Center. The meeting is open to all members with ideas and inputs.
- Liliana will experience a good amount of unexpected travel in August and September, travel that precludes her from attending the meeting in Denver. Ken will be asking the new elected secretary to volunteer and serve as secretary for the meeting.

2. Recommendations from the AGRO Committee on Committees (Steve Duke et al.)

- One of the initiatives of the new AGRO Strategic Plan adopted by the EC at the March 23, 2011, phone conference meeting involved review of existing AGRO Committee structure and recommendations for revisions which align with Division priorities and Strategic Plan.
- Therefore, an AGRO “Committee on Committees” (ComCom) was formed on March 23 under Steve Duke’s leadership to provide recommendations to the EC.
- Steve Duke shared a series of recommendations for changes in AGRO Committee structure, including (see appended memo dated August 2, 2011 titled “Recommendations for Revised AGRO Committee Structure and Updated Operations Manual”).
- Proposed changes included revision of duties and membership of several existing committees, revised names for several existing committees, elimination of two existing committees (Special Conferences, Public Relations) and recognition of charters for two new committees approved during the March 23 meeting (Strategic Planning, International Activities).
- In addition to the memo listing proposed changes to AGRO Committees, Steve indicated that an update of the 2005 vintage AGRO “Operations Manual” had been prepared to include recommended committee changes as well as several revisions in description of officer duties and the recently revised AGRO mission statement. This updated manual (version 9) had been circulated in advance to members of the EC.
- EC members discussed several revisions to the recommendations advanced by the ComCom including:
 - Renaming the Publications Committee as the “Communications Committee”
 - Renaming the Education Committee as the “Early Career Scientist Committee”
 - Elimination of the description of specific award voting procedures by the Awards Committee (Jim Seiber to supply updated description of the process)
- Steve Duke agreed to revise the updated Operations Manual for these changes and several minor wording revisions suggested by the EC in advance of the Denver business meeting.

MOTION: Approve recommendations of the Committee on Committees for changes to AGRO Committee structure and revision of the AGRO Operations Manual. Motion passed.

- Some committee changes will require revision of the AGRO Bylaws (which require update for several other practices also, including electronic balloting).

MOTION: Request that the AGRO Bylaws Committee develop a draft revision of the AGRO Bylaws by the end of 2011 to reflect EC-approved changes in AGRO committee structure as well as other prudent updates. Motion passed.

3. Future Programming Plans (John Clark, Ken Racke)

- During August 5, 2010, the EC had agreed to co-sponsor and co-organize the 5th Pan-Pacific Conference on Pesticide Chemistry (PPCPC) with the Pesticide Science Society of Japan (PSSJ) during July of 2012 in Tsukuba, Japan. At that time, Steve Duke was appointed as co-program chair and Jim Seiber as co-conference chair with total of \$15,000 of travel support for speakers and \$25,000 total support including co-chairs.
- The 5th PPCPC organizers found difficulties in planning the meeting in Tsukuba, north of Tokyo and towards the area damaged by the Tsunami and affected by radiation contamination and were considering date/venue changes. During June, PSSJ agreed to combine planning of the 5th PPCPC with the IUPAC-BPS (Beijing Pesticide Society) conference already planned for Beijing, China, during September 15-20, 2012.

MOTION: Continue with AGRO co-sponsorship and co-organization for the 5th PPCPC for the new location and dates with AGRO focal points (Jim, Steve) and budget to remain as previously approved. Motion passed.

- Ken will communicate this decision to 5th PPCPC organizers including PSSJ, BPS, and IUPAC.
- Laura and Prof. Matsumoto of PSSJ are planning a visit to Beijing and meeting with the local organizers of the 5th PPCPC this fall. Jim and/or Steve may join if available. There is a need to insert AGRO proposals for the scientific program structure and design into the planning process.
- Laura will liaise with Prof. He of BPS to advance plans for the fall planning meeting and AGRO involvement.
- Steve will contact Prof. Matsumoto with some AGRO program suggestions.

4. AGRO Election Outcomes (Ellen Arthur)

- Ellen reported results of the recent AGRO election:
 - Voter Turn-out: 304 out of 1177 (~25.8% of AGRO membership)
 - Vice-Chair: Stephen Duke
 - Secretary: Sharon Papiernik
 - Treasurer: John Johnston
 - Councilors: Jeanette Van Emon and Rod Bennett
 - Alternate Councilors: Kevin Armbrust and Barrington Cross
 - Executive Committee: Patricia Rice, Cathleen Hapeman, Liliana Schwartz, Jay Gan, Mike Krolski
- The EC thanked Ellen for a job well done. Liliana will be sending out official notifications to both the successful and unsuccessful candidates.
- The voter turnout was discussed and ways to increase participation discussed. Paper balloting in the past only resulted in 15% election turnout, and electronic balloting has increased participation. Perhaps could consider also voting at national meetings or other ideas.

Post-meeting note: Past AGRO voting statistics were obtained by Ellen from our "vote-now" service. Ballots (and % membership voting) were as follows: In 2010 we received 283 ballots (22.0%), in 2009 we received 324 ballots (22.0%), and in 2008 we received 245 ballots (18.9%).

5. Other Business

- **Division Policy for Handling Award Funds Unable to be Accepted** - During 2011, there have been two instances when AGRO award recipients have indicated they cannot receive the cash honorarium and instead have proposed two different ways they would like AGRO to spend the funds they would have received. It appears the Division has no specific policy on this matter, and should decide whether to continue to handle on a case-by-case basis at the discretion of the Division Chair or to set some guidelines. Clearly, all possibilities can't be covered in a policy, but perhaps funds unable to be received by awardees could be retained by the Division and used to support Division activities in mutual agreement with the awardee (e.g., sponsor student or young scientist travel awards). Ken agreed to draft some policy guidelines and present to the business meeting in Denver.
- **Structure of New Investigator Award Program** – Cathleen Hapeman noted that there were many applicants for the 2011 New Investigator Award, but some complications in organizing a symposium around the award. Of the ten applicants, 3 withdrew abstracts when they were not selected as the winner and 3 speakers decided to give lectures in a technical symposium. This leaves only 4 remaining speakers in the "New Investigator Award Symposium". The EC agreed that there needs to be some further discussion about AGRO intentions in offering the award and design of the award/symposium approach. Cathleen agreed to develop an issues paper around the award and bring it forward to the Denver business meeting for discussion.
- **Funding of Website** – Funds for maintenance of the AGRO website are nearly exhausted. On behalf of the Communications Committee Laura requested permission to purchase another block of support time with our website provided, Skydev, to cover the next year.
MOTION: Authorize purchase of a \$1600 block of supporting time for maintenance of the AGRO website for the next ~ 1 year. Motion approved.
- **Innovation Award Deadline** - Jim Seiber noted that the deadline for applications for the new Innovation Award is actually September 30, 2011 (and not December as recently communicated). Cathleen agreed to develop a flyer for distribution from the AGRO Hospitality table in Denver. Laura will include a notice on the corrected award nomination deadline and listing of current awardees in the next issue of the AGRO e-newsletter.

AGRO Division

Annual Business Meeting

242nd ACS National Meeting
Denver, Colorado
Convention Center Room 201
August 28, 2011

Chair – Ken Racke

Participants

Officers: Ken Racke (Chair), Al Barefoot (Program Chair), John Clark (Vice-Chair), John Johnston (Treasurer), Sharon Papiernik (Acting Secretary), Jeanette Van Emon (Councilor), Don Wauchope (Councilor)

Executive Committee: Steven Duke, Cathleen Hapeman, Ann Lemley; Rodney Bennett, Laura McConnell; Scott Jackson, Pamela Rice, Jim Seiber

Others: Kevin Armbrust, Tim Ballard, Volker Bornemann, Brian Bret, Edinaldo Camargo, Joel Coats, Aaron Gross, Del Koch, Darin Lickfeldt, Kahumbu Malekani, Tom Mueller, Scott Senseman, Paul Reibach, Patricia Rice, Teresa Wehner, Jerome Wiedmann

The meeting was called to order by Chair Ken Racke at 6:17 pm. A sign-up sheet was circulated to take attendance and update contact information. A quorum of members (minimum 15 as required by bylaws) and Executive Committee members was present.

Racke reviewed the outcome of most recent Executive Committee teleconference meeting, including expenditures approved, co-sponsorship of meetings, and approval of the recommendations of the Committee on Committees.

Councilor's Report – Jeanette Van Emon, Don Wauchope

- 2 candidates for ACS president were chosen from pool of 4.
- Total revenue for ACS was \$463.7 million, up from 2009, and higher than the 2010 budget. Dues for 2012 were increased to \$148.
- ACS gained 25,000 new members in 2010.
- San Francisco meeting had >14,000 registrants
- ACS wants to increase cooperation with international societies. To that end, every division is requested to pursue and document international cooperation. Van Emon suggested establishing a point of contact for AGRO's international activities, and recommends one of the co-chairs or members of the new International Activities Committee.
- To enhance collaboration, ACS may consider allowing invited international speakers to pay the member registration rate. They can give their paper remotely but

- they still need to register. ACS is considering other incentives to increase cooperation with other societies.
- Treasurer's report is now downloadable. Timely filing of annual reports is a stipulation of the division getting their allotments from ACS.
- AGRO Division submitted 10 requests for funding, all were successful.
- ACS hopes to record 500 talks at the Denver meeting. Divisions can request to have something recorded.
- Dates of 2014 meeting moved to August 10-14, 2014 in San Francisco.
- ACS staff will be asking divisions: What do you do for members who do not come to the national meetings? What is being done to engage those members? Membership should have benefits – limited access to websites, etc. Jeanette may be requesting an Executive Committee conference call to gather information she can report back to ACS as Councilor. Currently, approximately two-thirds of AGRO members do not attend national meetings.
- AGRO Division will be getting a 5-year report card.
- International Year of Chemistry underway – check the ACS website.
- New ACS president will be celebrating sesquicentennial of Land Grant, instituting a blue ribbon panel on the purpose of graduate education, promoting a better understanding of climate change, and focusing on improving chemical education.
- ACS concerned about political climate and how it impacts scientific research. ACS President Jackson testified before congress on peer review; ACS has 4 policy statements that are available for member comment
 - In preparation: scientific integrity
 - Climate change
 - Sustainability of the chemical enterprise
 - Energy plan for the US
- See Councilor's reports for more information.

Nominating Committee Report – given by Ken Racke in Ellen Arthur's absence

- Outcome of 2011 election
 - Vice-Chair: Stephen Duke
 - Secretary: Sharon Papiernik
 - Treasurer: John Johnston
 - Councilors: Jeanette Van Emon and Rod Bennett
 - Alternate Councilors: Kevin Armbrust and Barrington Cross
 - Executive Committee: Patricia Rice, Cathleen Hapeman, Liliana Schwartz, Jay Gan, Mike Krolski
 - Timing of progression was noted: vice-chair/chair-elect/chair move at the end of this meeting; other officers assume roles Jan 1, 2012
 - Electronic voting produced 25.8% voter turn-out, better than with mail-in ballot.
 - 2012 nominating committee: Ken Racke will chair nominating committee as past chair (according to bylaws).
 - See nominating committee report for more information
- MOTION:** The AGRO Division will continue the past practice of having the two previous chairs be members of the

nominating committee and that the chair solicit additional members. Seconded. Motion passed by unanimous consent.

Treasurer’s Report – John Johnston

- Johnston noted his commitment to reimburse people rapidly if they use personal funds for AGRO business, so submit your receipts ASAP. Those who work for an entity that will bill AGRO for expenses should give John Johnston's contact information, not ACS.
- Conscientious cost-savings have paid off on bottom line.
- Johnston showed how AGRO Division’s allocation from ACS is calculated:
 - 9% of total ACS dues are distributed to divisions
 - 12.5% of allotment is a base allotment given to each division
 - 12.5% of allotment is distributed on a per-member basis
 - 10% of allotment is reserved for innovative projects
 - 65% of allotment is based on programming:
 - 50% based on number of attendees at oral sessions - don’t underestimate attendance at sessions!
 - 25% based on number of members at the meeting
 - 25% based on number of posters
- San Francisco meetings cost about \$90,000; offset by about \$37K in income associated with meeting
- Majority of AGRO’s costs are associated with national meetings. Majority of AGRO’s income is from ACS: allocations and royalties
- IRS tax form uses calendar year. Last year, AGRO lost about \$10,000.

AGRO Technical and Social Program for Denver Meeting - Al Barefoot

- At Denver meeting, AGRO is hosting 266 oral and poster presentations, with about 10 cancellations. This number is consistent with previous years.
- There was a concerted effort to provide a diversity of programming to broaden the target audience. This should be balanced with an effort to continue to provide strong programming in topics areas that we historically cover – we should not program only on hot topics.
- Received 26 applications for graduate student travel grants and could only fund 20. There were 10 candidates for New Investigator Award. AGRO is hosting the International Award Symposium and is also hosting Sterling Hendricks Award in 2011.
- AGRO is co-sponsoring symposia with AGFD and ENVR this year. These are being presented in scattered locations, but these divisions will argue more strongly for proximity next year.
- Social events in Denver: Tuesday social, grad student lunch, Blues and Brews on Wednesday
- AGRO co-sponsored IUPAC in Puerto Rico and is co-sponsoring the Florida pesticide residue workshop; Pan Pacific in China in 2012; and IUPAC Pesticide Congress in San Francisco in 2014.

Committee on Committees Report – Steve Duke

- Draft recommendations were developed with input from standing committee chairs. Duke noted key changes recommended and approved earlier by Executive Committee (summarized in table).

Committee Changes

<i>Old Committee</i>	<i>New Committee, Key Changes</i>
Executive Committee	Executive Committee – Some revised duties
Program Committee	Programming Committee – New name, new chair, some revised duties
Finance Committee	Finance Committee – Some revised duties
Nominating Committee	Nominating Committee – No changes
Membership Committee	Membership Committee – Some revised duties
Awards Committee	Awards Committee – Some revised duties
Education Committee	Early Career Scientist Committee – New name, revised membership, some revised duties
Publications Committee	Communications Committee – New name, some revised duties
Hospitality Committee	Social Committee – New name, some revised duties
Bylaws Committee	Bylaws Committee – Revised membership, some revised duties
Patron Relations Committee	Development Committee – New name, some revised duties
Public Relations Committee	Disbanded – Duties to Communications Committee
Special Conferences Committee	Disbanded – Duties to Programming Committee and International Activities Committee
--	Strategic Planning Committee – New committee
--	International Activities Committee – New committee

- Discussion of how to manage AGRO Archives: Suggestion that the Chemical Heritage Foundation may store archives for us, or ACS may have some method to archive Division records. Al Barefoot and Sharon Papiernik will check into this. Secretary will gather new items that need to be archived.
- Discussion of revised operations manual (now posted to the www.agrodiv.org website): How do we make sure that the revised operations manual stays current and is used as a reference by new officers? It has been recommended that the Bylaws Committee be responsible for maintenance and communication of the manual.

Awards Committee Report – Jim Seiber

- AGRO is hosting a new award: the Award for Innovation for Chemistry of Agriculture. The award is sponsored by BASF. Nomination deadline is September 30. Seiber is soliciting nominations.
- George Lahm (DuPont) is recipient of International Award for Research in Agrochemicals. Tom Sparks will receive award in 2012. Committee is soliciting nominations for 2013.
- Laura McConnell is receiving AGRO Division Fellow Award in 2011.
- Deborah Delmer is receiving 2011 Sterling Hendricks Lectureship Award.
- Cody Howard is receiving 2011 New Investigator Award.
- 20 graduate students were awarded AGRO Education Travel Grants.
- Awards Committee and Executive Committee approved expansion of Awards Committee, which now includes Jim Seiber (chair), John Casida, Janice Chambers, John Marshall Clark, Joel Coats, Steve Duke, Bruce Hammock, Ernest Hodgson, Robert Hollingworth, Robert Krieger, Ralph Mumma, Hideo Ohkawa, Sharon Papiernik, Nancy Ragsdale, Will Ridley, David Soderlund, Don Wauchope, Willis Wheeler, and Izuru Yamamoto.
- Discussion that there should be a standardized policy on how AGRO will manage award in cases where the recipient is not able to personally accept the award.

The following motion was withdrawn after discussion:

MOTION: For instances where AGRO awardees are unable to directly receive cash honoraria or awards due to the policy of their organization or their personal situation, AGRO will retain the funds and utilize them at a future AGRO-sponsored event to support registration and/or travel of graduate students or scientists requiring support. When such financial support is provided, it will be given by AGRO in the name of the awardee and of the original donor (i.e., award sponsor). Seconded. Withdrawn after discussion.

- This matter was referred to Development Committee + some ad hoc members (Racke, Barefoot) to draft a policy acceptable to sponsors. The Development Committee will bring a plan to the Executive Committee for future action.
- Hapeman led a discussion of the design and purpose of the New Investigator Award, tasking the new Early Career Member Committee (former Education Committee) to recommend to the Executive Committee changes regarding the new investigator award. ACS has programs that we may serve as a model for the AGRO new investigator program.

Communications Committee Report – Cathleen Hapeman

- The Publications Committee is now part of the Communications Committee, as is the Public Relations Committee. The Committee will consider venues to publicize award winners.
- Advertisements in the PICOGRAM cover the cost of mailing the PICOGRAM (\$3000-\$3500/year). Printing costs are \$5000 to \$12,000 per issue.

- Hapeman asks for liaisons from other committees, new associate editor for PICOGRAM, new editor for enewsletter, people to provide content for enewsletter.
- Seiber (editor of the Journal of Agricultural and Food Chemistry) thanked members for authoring and reviewing papers. JAFAC impact factor increased in the most recent year for which stats are available. Rejection rate went up. Send comments on JAFAC to editorial/advisory board members.

Strategic Planning Committee Report – Laura McConnell

- Strategic Plan was approved by the Executive Committee, posted on AGRO website, and published in the PICOGRAM. Feedback on goals was solicited. Goal champions have begun to implement activities. Discussion at this business meeting focused on new goals.
- Goal 1: *AGRO will enhance the membership experience by providing an interactive and supportive environment for professional growth*
 - In member survey, networking ranked as #1 benefit of AGRO membership.
 - Getting and keeping members involved in divisional activities will retain members and attendance of national meetings.
 - Recommendation to populate committees with combination of senior, mid-career, and early career members. Have committee chairs establish goals aligned with strategic plan.
 - Ongoing activities: grad student luncheon; funding for grad student travel; New Investigator Award; social hour; coffee breaks; updated web page; e-mail newsletter.
 - McConnell gave an update on status of Goal 1 initiatives. Requested volunteers to follow up with survey respondents. Wauchope volunteered.
- Goal 2: *AGRO will develop the infrastructure for innovative, long range program planning to meet the needs of members and the scientific community*
 - Desire to provide continuity of programming, with longer-range planning; reach out to members not attending meetings.
 - Recommendation to continue program planning; prepare to launch some sort of on-line programming
- Goal 3: *AGRO will be a global platform for collaboration and information exchange to advance innovative solutions for a sustainable food supply, the protection of the environment and public health*
 - Desire to increase international collaboration and membership.
 - Recommendation to continue development of International Relations Committee and lay groundwork for IUPAC Congress in 2014.

Development Committee Report – Scott Jackson

- Regarding sponsorship of Divisional activities, the Committee is developing a database of potential sponsors, including the date they were last contacted and the response received. Johnston asked that a sentence be added to the letter stating that he is the contact for invoicing. Johnston asked if Executive Committee has the authority to approve expenditures for wire transfers and credit cards since sponsors rarely pay with cash. Answer: yes.

Programming Committee Report – John Clark

- Clark provided an update on planned programming for upcoming meetings (2012 Philadelphia, 2013 Indianapolis) and efforts for revamping AGRO Programming Committee activities.
- It was noted that the AGRO Vice-Chair will now serve as Chair of the Programming Committee to ensure a longer-term planning focus.
- The Programming Committee has recruited a set of “topic champions” to help facilitate flow of future symposium ideas in 15 topical areas in which AGRO routinely programs. The Committee plans to meet periodically via phone conference and John reported that it had met on Sunday morning in Denver.

International Activities Committee Report – Ken Racke

- This committee on international activities (IAC) is new to AGRO. Racke reported on goals and objectives of IAC. Co-chaired by Racke and Gan, the IAC includes core members from inside and outside the US.
- Steve Duke presented information regarding the 5th Pan-Pacific Pesticide Conference to be held in Beijing on September 15-20, 2012. The Pan Pacific meeting was moved from Japan to be part of IUPAC meeting in Beijing, China. Jim Seiber and Steve will be primary planning liaisons for AGRO, and Laura McConnell will be visiting Beijing in October to help advance planning efforts. AGRO has committed \$25,000 in financial support for the Conference, including support of member travel.
- Ken Racke and Laura McConnell will be co-chairing organization of the 13th IUPAC International Congress of Pesticide Chemistry, to be held in San Francisco as the AGRO contribution to the ACS National Meeting on August 10-14, 2014. A brief progress report was provided, and included discussion of program themes, some ideas for innovative programming aspects, status of planning, and the need to provide travel support for international participants. Suggestion was to investigate funding opportunities, such as sponsorships, NIFA conference grants, etc.

Finance Committee Report – Joel Coats

- Financial health of AGRO is good as shown in the Treasurer’s report. The Finance Committee will work on a budget for approval by the Executive Committee during the fall to facilitate planning for the Philadelphia meeting.

Membership Committee Report – Dan Stout

- Stout not in attendance. No report available from Membership Committee. Discussion regarding expanding the Membership Committee and focusing on activities aligned with the strategic plan.

Early Career Scientist Committee Report – Diana Aga, Marja Koivunen

- The committee now includes the graduate student education awards program and the New Investigator Award. The committee must be organized to reflect its revised charter. Johnston implored attendees to visit the student poster session. No report available from Education Committee.

Social Committee Report – Pat Rice

- Rice provided information about donors supporting coffee lounge at the Denver meeting. 12 companies donated to the fund, raising >\$2,150. This is down from the Spring 2010 meeting, when 15 companies donated a total of \$3,000. In future, coffee lounge sponsorships will be coordinated by the Development Committee.
- The Social Committee also thanks supporters for donating prizes for the drawing at the AGRO social.

Bylaws Committee Report – Rod Bennett

- The Bylaws Committee will be meeting via conference call to formulate changes to bylaws in response to approved changes proposed by Committee on Committees. Bylaws also need to be updated for electronic balloting and the AGRO move to program at one national ACS meeting per year. Changes in bylaws require a 60 day notice and vote open to all AGRO members, and goal will be to hold a vote of the membership at the 2012 meeting in Philadelphia.
- Racke asked for a marked-up copy of the bylaws by the end of this calendar year, 2011, so that a revised version could be submitted to members at least 60 days in advance of the Philly meeting.

Other Business

- Racke reported on programming cooperation with CropLife America. CropLife America has already met with ACS leaders, but AGRO was out of the loop. Racke contacted CropLife America on behalf of AGRO, and a phone conference of AGRO (Racke, Barefoot, Clark, McConnell) and CLA leaders was held recently during which mutual interests and future areas of collaboration were discussed. Recommendation to generate a list of other organizations with whom AGRO should cooperate

to forward strategic planning for AGRO. Two initial proposals included EPA's Office of Pesticide Programs and the USDA (e.g., Office of Pest Management Policy).

The next business meeting will be held at 5:00 p.m. on August 19, 2012 in Philadelphia.

The gavel was ceremoniously passed from Racke to the incoming AGRO Chair, Al Barefoot.

Meeting adjourned at 9:40 pm

AGRO Executive Committee Phone Conference Meeting

December 8, 2011

1:00 – 3:00 pm EST

Chair – Al Barefoot

Participants: Jeanette VanEmon, Jay Gan, Pam Rice, Sharon Papiernick, Ann Lemley, Al Barefoot, Steve Duke, Ken Racke, Scott Jackson, John Clark, Laura McConnell, Alan Felsot, Mike Krolski, Don Wauchope, Julie Eble, Rod Bennett, Cathleen Hapeman, Joel Coats, Jim Seiber, Lilliana Schwartz

1. Programming - John Clark

- Thanks to everyone who served (or will serve) as champions.
- AGRO will be having a wide variety of programming at the ACS in Philadelphia. 17 technical sessions for Philly meeting and 5 standing award symposia. A good thematic tie-in. It has been submitted our program to C&E News and to Communication Committee. Abstract submissions will open Jan 23rd.
- AGRO will be having co-sponsored programming with AGFD and ENVR: 10-14 co-programmed sessions per division. Request has been submitted to co-locate these divisions in one location at Philly meetings. There is a verbal commitment from divisions at this point. Paperwork still needs to be done (esp. ENVR).
- Award symposia – international award symposium is being planned. Innovation awardee will present in one of the sessions (of their choosing) and talk will be noted in program. The awards committee proposes that Steve Lehotay be the winner of the first Innovation Award. There was no objection from the Executive Committee. Lehotay is co-organizing (with Julie Eble) a session at the ACS Philadelphia meeting. He will probably present his work there.

2. Early Career Scientist Committee - Diana Aga, Marya Koivunen, Cathleen Hapeman

- Last year, Cathleen solicited nominations heavily. AGRO received 10 nominations. 7 did not present at the meeting because they did not have funding to attend. That left a session with just a few speakers and a handful of audience members. Rather than offer \$1000 award and travel expenses (>\$2700?) to the winner, maybe we should offer a smaller monetary award and spread it out a bit. Presentations should not be in a separate session. Discussion ensued.
- Ad hoc committee: Allan Felsot, Ken Racke, Ann Lemley, Cathleen Hapeman will propose by Jan. 3rd a manner of handling the New Investigator Award stipend(s) and presentations.
- Graduate student support: discussion of whether all graduate students should receive some travel support. The recommendation is that the funding should be situational so that we avoid the circumstance of funding most, but not all students. Maybe offer less to each student; maybe ask Executive Committee for more money so that all students can be supported at the same level. Al Barefoot will inform the Early Career Scientist Committee that they work with a \$ limit for graduate student travel assistance (3% of funds available in the Education fund + \$5,000 funding from Bayer, about \$16,000 for last year), but they can propose alternatives to the Executive Committee in case of awkward situations. Plan is to announce the award at \$600/student - if applications exceed monetary limit, the Education Committee will propose a plan to the Executive Committee.

3. Finance - Joel Coats

- Denver meeting costs exceeded income, as in 2010. There are concerns regarding the Cash Flow.
- \$457K in investments, lower than 2008, but higher than the end of 2008
- Discussion regarding whether we should continue to provide coffee at meetings. Offer coffee at poster session? At AGRO desk? Recommendation is to minimize coffee expenditures and place coffee at posters if they are in the vicinity of technical sessions.

	7/31/2008	12/31/2008	7/31/2009	12/31/2009	6/30/2010	12/31/2010	6/30/2011	10/31/2011
Savings Acct.						1,602	2,405	2704
Checking Acct.	8,893	16,826	65,226	20,948	5,482	48,072	87,102	20,737
Investments								
Spectrum Income (TR Price)	173,566	122,309	137,856	147,130	135,653.79	140,386.87	136,563	134,564
Prime Reserve (TR Price)	1,310	1,322	1,328	1,324	1,324	1,324	1,324	1,324
Educational Trusts (JP Morgan)	380,902	270,581	317,627	350,440	306,066	337,426.19	343,670	321,793
ACS Investment Pool	25,936	21,096	21,681	24,007	0	0	0	0
Total Investments	581,714	415,308	478,492	522,901	443,044	479,137	481,557	457,681
Total Assets	590,607	432,134	543,718	543,849	448,526	527,209	568,659	478,418

note: ACS investment pool balance (\$25440.15) deposited into AGRO checking on 4-27-2010

Costs associated with Denver National Meeting:

symposia budgets	-55,338
coffee, symposium rooms, AV	-36,410
officer, councilor travel	-3,845
award plaques	-314
post meeting shipment	-336
Picogram spring 2010	17,866
	-78,377

Meeting Income Received :

Sponsors:	26,000
Coffee Fund	1,900
Picogram Ads	4,100
ACS Meeting Allocation	8,464
Total Meeting Income :	40,464

Non-meeting Income Rec'd in 2010:

ACS dues/meeting allocation	11,354
ACS Royalties	3,349
Innovative Grant	7,500
	22,203

4. International Activities - Ken Racke, Jay Gan

- 5th Pan Pacific Conference on Pesticide Science: Scientific program planning is progressing in cooperation with PSSJ, IUPAC and BPS/CAU. Laura McConnell visited Beijing during October to advance planning discussions. Steve Duke has assumed lead AGRO role for scientific program planning as technical program co-chair and he is working closely with scientific co-chairs Miyagawa of PSSJ and Yang of BPS/CAU.
- AGRO still needs to decide how best to allocate the \$25,000 in Division funding earmarked for support of the conference (e.g., travel support for AGRO-related participants, meeting infrastructure costs, etc.). This \$25K is basically a grant to Pan Pacific conference; we do not share in the proceeds/losses of the conference. IUPAC has now set up an international project account for the workshop which can receive donations, and John Unsworth will be leading efforts for obtaining international financial support from industry and other organizations.
- IUPAC offers the IUPAC International Award for Advances in Harmonized Approaches to Crop Protection Chemistry. They will next be presenting this every-other-year award during 2012. Several nominations were received by the Dec. 1 deadline and the IUPAC

Advisory Committee on Crop Protection Chemistry (John Unsworth, Laura McConnell, Ken Racke, et al.) will be reviewing nominations and deciding on a 2012 award recipient during Jan/Feb of 2012. Depending on origin of the awardee, the award may be proposed as a special event (e.g., luncheon session?) during the AGRO program in Philadelphia. IUPAC should know this by end of Feb. 2012 at latest. John Clark assures us that if the award is presented at the ACS meeting in Philadelphia, AGRO will find a way to present/highlight this award.

5. Awards committee - Jim Seiber

- Steve Lehotay was selected as the recipient of the first AGRO Innovation Award. He will be informed today. Since Steve's talk will be during a regular session, should the award be presented during that session? Julie Eble will follow up on how/when/where Steve would like to receive his award.
- AGRO awards (International Award for Research in Agrochemicals, New Investigator Award, Education Grants, Innovation Award) include grants given to reimburse awardees for travel expenses and cash honoraria given to awardees without restrictions on the use. The grants and honoraria are an important part of demonstrating the significance of the awardee's achievement and make the award presentation a

noteworthy event in the life of the awardee and the AGRO Division.

- When the awardee is unable to accept cash honoraria or travel grants, the awardee will be offered the opportunity to contribute the cash grant to an ACS educational program, AGRO Education Fund, AGRO travel grants for symposium speakers, or a non-profit organization of his or her choosing. If the latter option is selected, the non-profit must be approved by the AGRO officers with the consent of the Awards Committee and qualified by the IRS as a 501c3 charitable organization with a well-established record of financial stability and service.

Motion: above proposal be approved; seconded. Discussion. Approved by unanimous consent.

- Jim Seiber reminds us to submit nominations for International Award (due Dec. 30th) and Innovation Award. Past nominations for the international award are kept in the queue; nominators are able to refresh the nomination.

6. Development - Scott Jackson, Del Koch

- Neither Scott nor Del was available to provide an update.

7. Communications - Cathleen Hapeman

- PICOGRAM will go to printer first week of January. Will include call for papers, programming notes, awards information, meeting minutes, etc. Advertising updates are being requested. Cathleen is seeking a co-editor for the Picogram, and someone to help with editing abstracts.
- Laura is looking for someone to take over the eNewsletter. The job requires hours per month. Laura will train... Anyone from survey who might be interested in doing this? Ken will forward names from survey who indicated an interest in communications to Laura and Cathleen.

8. Bylaws - Rod Bennett

- Rod will talk to bylaws committee and try to get us a marked-up copy of the bylaws by the end of the year.

9. Strategic Planning - Laura McConnell

- Pdf versions of PowerPoint presentations from some symposia at the Denver meetings have been successfully loaded on our website. Should be easier to accomplish this in the future.
- One of the goals of the strategic plan is to have online events where people (especially those not attending the national meeting) could log on for interactive programming. Richard Love (ACS) indicated that we can piggy-back with ACS to hire a contractor to provide real-time webcasts of certain talks. Estimated cost is \$450/hour. It might also be able to use this (or another) vendor to provide webcasts separate from the national meeting for training, discussion of hot topics, etc. The suggestion is to try the risk communication symposium at Philadelphia as a trial run for real-time streaming – this would also be recorded for access afterward.

Motion: We allocate \$2000 for a pilot program to put part or all of the risk communication symposium on the web in real-time. Approved by unanimous consent. Julie Eble will work with Laura to accomplish this; Don Wauchope will help, too.

10. Proposed AGRO Policy on Cash Awards

- AGRO awards (International Award for Research in Agrochemicals, New Investigator Award, Education Grants, Innovation Award) include grants given to reimburse awardees for travel expenses and cash honoraria given to awardees without restrictions on the use.
- The grants and honoraria are an important part of demonstrating the significance of the awardee's achievement and make the award presentation a noteworthy event in the life of the awardee and the AGRO Division.
- When the awardee is unable to accept cash honoraria or travel grants, the awardee will be offered the opportunity to contribute the cash grant to an ACS educational program, AGRO Education Fund, AGRO travel grants for symposium speakers, or a non-profit organization of his or her choosing.
- If the latter option is selected, the non-profit must be approved by the AGRO officers with the consent of the Awards Committee and qualified by the IRS as a 501c3 charitable organization with a well-established record of financial stability and service.



American Chemical Society

AGRO Division Strategic Plan

Progress Report

Mission Statement

AGRO, a Division of the American Chemical Society, brings together a worldwide community of scientists and stakeholders to advance knowledge and promote innovative solutions for the protection of agricultural productivity, public health and the environment.

Vision

AGRO will provide its members an interactive and supportive environment for professional growth, based on innovative programming and services that meet member needs. It will also serve as a community where collaboration and exchange of information will advance innovative solutions for a sustainable supply of food and fiber and protection of the environment and public health.

Goal 1

AGRO will enhance the membership experience by providing an interactive and supportive environment for professional growth.

Leader: Laura McConnell, laura.mcconnell@ars.usda.gov

Accomplishments in 2011

- A member survey was conducted on the new strategic plan and information is being utilized to recruit new members for committee assignments
- The committee structure of the division was re-organized to support the priorities of the division
- The operations manual for the division was updated to reflect the new committee structure and was posted on the AGRO website
- Email newsletter was initiated

Proposed Activities for 2012

- Fill all vacant positions within new committee structure with an emphasis on including early career scientists
- Facilitate formation of AGRO retired members group

Indications of success:

- Largest ever number of applications for the AGRO Education Travel award and Early Investigator Award were received for the 2011 Fall National Meeting.
- AGRO website traffic was increased in response to hits prompted by email newsletter publication

Goal 2

AGRO will develop the infrastructure for innovative, long range program planning to meet the needs of members and the scientific community.

Leaders: Aldos Barefoot, aldos.c.barefoot@usa.dupont.com
John Clark, jclark@vasci.umass.edu

Accomplishments in 2011

- *ad hoc* steering committee for the standing Programming Committee was formed to direct the revitalization of long-term programming of technical symposia
- Champions were identified for major programming topics to guide the development of symposia and to recruit symposia organizers
- Presentations and recordings from a number of AGRO symposia at the Fall National Meeting are now posted on the website.

Proposed Activities for 2012

- At least one symposium at the Fall National Meeting will be presented live via interactive webcast for AGRO members.
- A series of lunch and learn webcasts will be initiated.

Indications of success:

Large number of ENVR and AGFD co-sponsored symposia planned for 2012 National meeting

Goal 3

AGRO will be a global platform for collaboration and information exchange to advance innovative solutions for a sustainable food supply, the protection of the environment and public health.

Leaders: Ken Racke, kracke@dow.com
Jay Gan, jgan@ucr.edu

Accomplishments in 2011

- International Activities Committee established
- Website established for 13th IUPAC Congress of Crop Protection Chemistry to be held in San Francisco in 2014

Proposed Activities for 2012

- Co-sponsoring 5th Pan Pacific Conference of Pesticide Chemistry to be held in Beijing, September, 2012
- Begin establishment of committee structure for 13th IUPAC Congress of Crop Protection Chemistry, including representatives from key international partners.

Indications of success:

Strengthened ties established with IUPAC, Pesticide Science Society of Japan, and Beijing Pesticide Society

COUNCILOR REPORT

Jeanette M. Van Emon

First of all, I would like to thank you for re-electing me as one of your AGRO Councilors. I hope this is a vote of confidence! Rod Bennett was elected as the other AGRO Councilor and Kevin Armbrust is our Alternate Councilor. I look forward to working with them as a team to promote AGRO and to keep our membership informed about ACS happenings. Thanks to Don Wachope for his previous service.

ACS is Working for Us

- ACS is focusing a lot of attention on creating jobs. At the ACS National Meeting in Denver, the ACS released the report from the ACS Task Force on Innovation (appointed by Immediate Past President Joseph Francisco) to develop recommendations on how ACS can help create jobs based in the U.S. for chemists by increasing opportunities for entrepreneurs. The report titled "Innovation, Chemistry, and Jobs" is available at www.acs.org/CreatingJobs.
- The Denver meeting also offered the first fully integrated onsite and virtual career fair. This program offered job seekers and virtual participants via webcam the opportunity to interact with each other and to connect with prospective employers. Programs to sharpen ones career skills were also available.
- A new benefit for members is the Universal Member Access, which allows free access to 25 articles or book chapters of your choice from ACS Journals, ACS Symposium Series, and C&EN Archives. Members will be able to search and browse all of these resources. Taken together this represents more than 1 million articles and book chapters! For members who want additional article downloads there will be discounted purchase options available. Another benefit is the free access for members to C&EN Online (cen-online.org). All members also have free access to complete issues of C&EN on the C&EN Mobile app for smartphones (check cenmobile.org for more information).

National Election Results

The certified election results of the ACS 2011 Fall National Election are in and reported as follows:

- For President-Elect 2012, Marinda Wu received 13,617 votes and Dennis Chamot received 9,936 votes. Marinda will begin her term as President on January 1, 2013.
- For the two Director-at-Large 2012-2014 positions, the two top vote getters were William Carroll, Jr with 302 and Barbara Sawrey with 177.
- The District III membership re-elected Pat Confalone to continue with a 2012-2014 term.
- The membership of District VI re-elected Bonnie Charpentier. Bonnie will also fill a 2012-2014 term on the Board of Directors.

Get Out the Vote

- The total number of valid votes cast for President-Elect was 23,553. The total voter turnout was 15% of all eligible voters, the same as it was in the previous year. Of the votes cast for President-elect, almost 77% were cast via the Internet a number slightly higher than last year. As a Society we need to become more engaged in the voting process. I encourage you to vote when the opportunity arises.

Fall National Meeting Attendance Report

- The total attendance for the ACS Fall 2011 National Meeting in Denver was 10,034 with a breakout of: Regular attendees 6,269; Students 2,373; Exhibitors 998; and Exposition only 399. This number was down from the 2011 Spring total attendance of 14,047.

IYC

- I hope everyone enjoyed the International Year of Chemistry and took advantage of the many programs to celebrate our science. Courtesy of the Southern Nevada Local Section, visitors to Las Vegas as well as residents saw taxi cabs advertising the IYC highlighting that chemistry is all around us. As ACS President Nancy Jackson says – "Let the spirit of the International Year of Chemistry live on and on!"

Bylaws of the AGRO Division of the American Chemical Society *

* Effective October 27, 2000. Approved, as amended, by the Committee on Constitution and Bylaws, acting for the Council of the American Chemical Society.

Bylaw I. Name and Objects

Section 1. The name of this organization shall be the Division of Agrochemicals (hereinafter referred to as "the Division") of the AMERICAN CHEMICAL SOCIETY (hereinafter referred to as "the SOCIETY").

Section 2. The objects of the Division shall be to bring together persons particularly interested in agrochemicals, to consider all scientific aspects of chemistry relevant to the control of pests of agricultural or public health significance and to other methods for enhancing or modifying agricultural productivity, to develop and improve the professional stature of chemists with these interests, and to render whatever service it may to the scientific and lay communities on the topic of agrochemicals.

Bylaw II. Members and Affiliates

Section 1. Membership in the Division shall be open to all members of the SOCIETY. Application for membership shall be made in writing to the Secretary of the Division and shall be accompanied by one year's dues.

Section 2. A National Affiliate of the SOCIETY may apply to the Secretary to become a National Affiliate of the Division. Provided that Division dues established for National Affiliates are paid, a National Affiliate shall have all the privileges of membership in the Division except those of voting for or holding an elective position of the Division, voting on articles of incorporation or bylaws of the Division, or serving as a voting member of its Executive Committee.

Section 3. The Division may accept Division Affiliates who are not members or National Affiliates of the SOCIETY but who wish to participate in the activities of the Division. Such affiliates shall be entitled to all the privileges of membership in the Division save those withheld by the Bylaws of the SOCIETY.

Section 4. Members may resign their membership in the Division by submitting their resignation, in writing, to the Secretary during the year for which their dues are paid.

Section 5. The name of any member of the Division who is in arrears in payment of dues by as much as two years shall be stricken from the rolls. A member dropped for nonpayment of dues may be reinstated upon payment of arrearages.

Section 6. Affiliates shall retain affiliate status only so long as payment is made of Division dues. An affiliate's name is to be stricken from the rolls as soon as the affiliate is in arrears in the payment of dues.

Section 7. The anniversary dates of Division members and National Affiliates of the Division shall coincide with their anniversary dates in the SOCIETY.

Bylaw III. Officers and Councilors

Section 1. The officers of the Division shall be a Chair, a Chair-Elect, a Vice-Chair, a Secretary, and a Treasurer. The Chair-Elect shall automatically succeed to the office of Chair upon expiration of the latter's term of office or if this office becomes vacant. The Vice-Chair shall automatically succeed to the office of Chair-Elect upon expiration of the latter's term of office or if this office becomes vacant. The offices of Secretary and of Treasurer may be held by one individual. Only MEMBERS are eligible to hold elective positions.

Section 2. The duties of the Chair shall be to preside at meetings of the Executive Committee, to carry into effect the decisions and recommendations of the Committee, to preside at stated meetings of the Division, and to appoint all committees except as otherwise provided.

Section 3. The duties of the Chair-Elect shall be to serve in the absence of the Chair of the Division and to act as Chair of the Program Committee.

Section 4. The duties of the Vice-Chair shall be to serve in the absence of the Chair-Elect and to act as Assistant Chair of the Program Committee, with particular emphasis on planning and developing technical programs.

Section 5. The duties of the Secretary shall be to keep minutes of all meetings of the Division and of the Executive Committee; to keep a roll of Division members and affiliates and to submit the same annually to the Executive Director of the SOCIETY for verification as provided in the Bylaws of the SOCIETY; to conduct the business correspondence of the Division as assigned to the Secretary by the Chair or by the Executive Committee; to prepare and submit an annual report of Division activities to the SOCIETY as required in the SOCIETY's Bylaws; to perform such other duties as may, from time to time, be assigned by the Chair or Executive Committee or required by the SOCIETY's Bylaws. The Secretary shall send to each member, at least two weeks before the regular meetings of the Division, abstracts of papers to be presented at said meetings.

Section 6. The Treasurer shall act as custodian of the funds of the Division, collect dues and other revenues, and pay the bills of the Division after the same have been authorized by the

Executive Committee. The Treasurer shall maintain accurate records of receipts and disbursements and shall submit a report of the financial condition of the Division at the annual meeting of the Division. The Treasurer shall furnish a surety bond, the premium for which shall be paid from Division funds.

Section 7. Councilors and Alternate Councilors shall represent the Division on the Council of the SOCIETY as provided in the Constitution and Bylaws of the SOCIETY.

Section 8. The Division shall have an Executive Committee, which shall consist of the officers of the Division; the Immediate Past Chair of the Division; the Councilors and Alternate Councilors; the Chairs, Chairs-Elect, Vice-Chairs, and Immediate Past Chairs of Subdivisions, if any; and fifteen (15) Members-at-Large. The Chair of the Division shall serve as Chair of the Executive Committee.

Section 9. The officers of the Division other than the Chair and the Chair-Elect shall be elected by mail ballot as described elsewhere in these bylaws.

Section 10. At the annual meeting of the Division, the Executive Committee shall appoint a Nominating Committee consisting of at least three members, one of whom shall be the Immediate Past Chair of the Division, who shall serve as Chair of this Committee. This Committee shall nominate two candidates for the office of Vice-Chair and at least ten (10) candidates for the positions as Members-at-Large to be filled on the Executive Committee. This Committee shall nominate candidates for each of the following offices to be filled: Councilor, Alternate Councilor, Secretary, and Treasurer. This Committee shall submit a report in writing to the Chair of the Division for preparation of the ballot to be mailed to the membership. Additional nominations may be made in writing by any group of at least five members and presented to the Chair of the Division not less than three months prior to the fall meeting.

Section 11. Officers and Members-at-Large shall be elected by the members and Division Affiliates of the Division. Only members of the Division may vote for Councilors and Alternate Councilors. The Secretary or other designated officer of the Division shall prepare an election ballot, on which shall appear the names in order chosen by lot of all candidates nominated and found willing to serve. In all Division balloting conducted by mail, the ballot voted shall be sealed, without voter identification, in a special ballot envelope. The special ballot envelope, bearing no voter identification, shall be enclosed in a larger envelope upon which—or within which, on a separate slip—shall be hand-inscribed the name of the member voting; the larger envelope shall then be sealed and forwarded to the Chair of the Tellers Committee. The Tellers shall count the ballots thus received, using the list of members provided by the Secretary to verify the eligibility of all those voting. Any ballot envelope not validated by the voter's accompanying hand-inscribed name shall be rejected. The Secretary shall set and announce in advance of the neither balloting the interval during which ballots must be received to be counted; this interval shall not be less than four nor more than seven weeks following the ballot mailing. The Tellers Committee, appointed by the Chair of the Division, shall be responsible for counting all valid ballots received within the interval and shall certify the results to the Secretary, who shall in turn certify the results to the SOCIETY, the elected officials, and the Division. Elections are to be by plurality, should there be more than two candidates for an office. Resolution of a tie vote shall be made by the Executive Committee.

Section 12. The Chair, the Chair-Elect, the Vice-Chair, the Secretary, and the Treasurer of the Division shall serve for one year or until their successors are elected.

Section 13. The terms of office of the Members-at-Large of the Executive Committee shall be three years. Five Members-at-Large shall be elected each year.

Section 14. The terms of Councilors, Alternate Councilors, and all officers excluding the Chair, Chair-Elect, and Vice-Chair shall begin on January 1 following their election. The terms for Chair, Chair-Elect, and Vice-Chair shall begin at the conclusion of the fall meeting of the SOCIETY.

Section 15. Vacancies in offices other than Chair and Chair-Elect shall be filled by the Executive Committee. Incumbents so selected shall serve until the next regular election.

Bylaw IV. Councilors

The Division shall have Councilors and Alternate Councilors whose terms of office shall be three years. Alternate Councilors shall serve only for specific meetings of the Council when a Councilor is not able to attend.

Bylaw V. Committees

Section 1. There shall be a Program Committee, consisting of three or more members, one of whom shall be the Chair-Elect of the Division, who shall serve as Chair of the Committee. A second member of the Committee shall be the Vice-Chair. The Program Committee shall have the entire responsibility for organizing the program of papers for all Division meetings. It shall work cooperatively with other Divisions of the SOCIETY and other bodies in planning joint sessions and symposia of mutual and timely interest.

Section 2. There shall be a Membership Committee of three or more members. This Committee shall aggressively promote membership in the Division by members of the SOCIETY.

Section 3. There shall be a Finance Committee of two or more members. This Committee shall audit the accounts of the Treasurer prior to the business meeting of the Division and report its findings at the annual meeting. This Committee shall advise the Executive Committee on financial resources.

Section 4. There shall be an Awards Committee of at least six members. This Committee shall maintain and develop the Division and International Awards Programs.

Section 5. There shall be a Hospitality Committee of at least two members. This Committee shall direct social events in coordination with other committees and maintain a hospitality table at Division meetings.

Section 6. There shall be a Publication Committee of at least three members. This Committee shall be responsible for publication of the Division newsletter, PICOGRAM, and other Division publications.

Section 7. Special committees may be appointed to consider, conduct, and report upon such special matters as may be delegated to them.

Section 8. Except where otherwise provided, committee appointments shall be made by the Chair, with the advice and approval of the Executive Committee.

Bylaw VI. Dues

Section 1. Members of the Division shall pay annual dues, the exact amount to be decided by the Executive Committee. Dues are payable in advance. Members who have been granted emeritus status by the SOCIETY and who are interested in the work of the Division shall be granted all

privileges of Division membership without the payment of annual dues.

Section 2. Affiliates shall pay annual dues of \$2.00 more than members; except that Division Affiliates who are regularly matriculated students specializing in a chemical science shall pay annual dues of an amount to be decided by the Executive Committee.

Bylaw VII. Subdivisions

Section 1. Composition. The Division may sponsor Subdivisions devoted to specialized fields within the area of Division interest. Membership in the Division shall be a requirement for membership in a Subdivision.

Section 2. Formation. Formation or discontinuance of a Subdivision shall be at the discretion of the Executive Committee of the Division. Steps to initiate a Subdivision may be made by petition of a group of Division members to the Executive Committee or by the action of the Executive Committee. The scope of the activities of any Subdivision shall be defined by the Executive Committee.

Section 3. Officers. Upon approval of the formation of a Subdivision, the Executive Committee of the Division shall appoint a Chair, Chair-Elect, Vice-Chair, and Secretary for the Subdivision. The Chair-Elect shall assume the office of Chair after one year. In succeeding years the Subdivision shall elect at the annual meeting a Chair-Elect and a Secretary. The Chair, a Chair-Elect, and Secretary shall constitute a Steering Committee for the Subdivision. This Steering Committee shall report through the Chair of the Subdivision and be responsible to the Executive Committee of the Division, of which Subdivision Chairs shall be members ex officio.

Section 4. Funds. The necessary expenses for each Subdivision shall be authorized by the Executive Committee of the Division from Division funds and shall be paid by the Treasurer of the Division upon the usual authentication.

Bylaw VIII. Meetings

Section 1. There shall be a meeting of the Division at each national meeting of the SOCIETY unless the Executive Committee votes otherwise, provided the requirements for a minimum number of meetings as specified in the SOCIETY Bylaws shall be met.

Section 2. The annual meeting of the Division shall be held at the fall meeting of the SOCIETY. Division business requiring vote of the membership shall be conducted only at this meeting, except as provided elsewhere in these bylaws. However, voting by the membership may be conducted by mail or as directed by the Executive Committee.

Section 3. Special meetings of the Division may be called by the Executive Committee, provided notice is given to the membership in writing or by publication in Chemical & Engineering News at least two months in advance. Special meetings may not be held within one month before or after a national meeting.

Section 4. Fifteen (15) members of the Division shall constitute a quorum for the conduct of business.

Section 5. The fee for registration at any special meeting shall be decided by the Executive Committee in accordance with the Bylaws of the SOCIETY.

Section 6. The rules of order in the conduct of Division meetings not specifically provided in these bylaws or in the SOCIETY's documents shall be the most recent edition of Robert's Rules of Order, Newly Revised.

Bylaw IX. Papers

Section 1. The Program Committee may approve or reject papers submitted for presentation before any meeting of the Division.

Section 2. The rules for papers presented before meetings of the SOCIETY as outlined in the Bylaws and Regulations of the SOCIETY shall govern the Division.

Bylaw X. Amendments

Section 1. These bylaws may be amended at any annual meeting of the Division by a two-thirds (2/3) vote of the members present. All amendments shall be submitted in writing to the Secretary at least sixty (60) days prior to the meeting. Upon approval of the Executive Committee, the Secretary shall send the text of the proposed amendment to the members of the Division at least thirty (30) days prior to the annual meeting.

Section 2. Amendments shall become effective upon approval by the Committee on Constitution and Bylaws, acting for the Council, unless a later date is specified.

Bylaw XI. Dissolution

Upon dissolution of the Division, any assets of the Division remaining thereafter shall be conveyed to such organization then existent as is dedicated to objects similar to those of the Division and the AMERICAN CHEMICAL SOCIETY, or to the AMERICAN CHEMICAL SOCIETY, so long as whichever organization is selected by the governing body of the Division at the time of dissolution shall be exempt under Section 501(c)(3) of the Internal Revenue Code of 1954 as amended or under such successor provision of the Code as may be in effect at the time of the Division's dissolution.



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For further information contact:

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Welcome to AGRO

CHEMISTRY for and from AGRICULTURE

Mission

To promote knowledge benefiting society through advancements in agricultural, public health, and environmental sciences and technologies.

AGRO DIVISION MEMBERSHIP APPLICATION

ACS Member # (if applicable) _____ Date: _____

Name: _____

Employer/Affiliation: _____

Address: _____

City, State, Zip: _____

Country, Postal Code: _____

Telephone: _____

E-mail: _____

Membership Categories (check one):

- ACS member** \$12 (add AGRO membership to existing ACS membership)
- National Affiliate ACS member** \$14 (add AGRO membership to existing National Affiliate ACS membership)
- Student ACS member** \$5 (Add AGRO membership to existing ACS student membership)
- Non-ACS member** \$14 (AGRO membership only, no ACS membership)

AGRO Division **Total Cost** \$ _____

Please check one:

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Columbus, Ohio 43218-2426

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Division Membership Questions?

Contact: Dan Stout, US EPA, 919-541-5767, stout.dan@epa.gov

NOTES



MEMBERSHIP SERVICES

New! Email Newsletter

The AGRO has initiated a monthly email newsletter designed to keep members informed about what is happening in our Division. Content will include calls for papers announcements, awards opportunities, information on elections, career opportunities, new AGRO publications and other timely announcements.

If you are an AGRO member, you are already enrolled in our email newsletter service. If you are not currently receiving the newsletter, you can sign up on our webpage, www.agrodiv.org, by clicking on the button that says "Subscribe to our Newsletter". The newsletter will come out on the first Tuesday of each month.

Members can submit items to be included by the last Tuesday of the month to:

updates@agrodiv.org

You may unsubscribe at any time.

Each issue has an opt-out link where members can remove their email address from the list.

The AGRO email newsletter is open to all professionals who have an interest in agrochemicals and the AGRO Division. You do not have to be a division member to join.

Companies who are interested in advertising in our email newsletter should send an email to Laura McConnell at laura.mcconnell@ars.usda.gov

The cost is \$50 per ad which includes a 120x120 pixel image with a weblink and subtitle if desired.

Support Your Division! ADVERTISE IN THE *PICOGRAM*

The *PICOGRAM* is published twice a year and is an important communications instrument of AGRO. One issue each year will also contain the national meeting abstracts for the AGRO Division. The *PICOGRAM* is mailed to over 1200 division members. Another 300 – 400 copies are distributed at each national ACS meeting. Ad costs for the *PICOGRAM* are:

Full Page	16.5 cm x 22.9 cm 6.5" x 9"	\$500 1st Time \$400 Subsequent Issues
Half Page	16.5 cm x 11.4 cm 6.5" x 4.5"	\$250 1st Time \$200 Subsequent Issues

Electronic ad copy in Adobe Acrobat (.pdf) or Word format sized to fit the page must be submitted prior to the following deadlines: December 15th for the Spring Issue and May 15th for the Fall Issue. Billings for ads come from Laura McConnell, Ad Manager on behalf of the Treasurer of the AGRO Division after the issue of the *PICOGRAM* appears.

Submit ad copy via email to:

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