

**ACS Division of AGROCHEMICALS Officers & Executive Committee Election 2007
AGRO Candidates Statements**

Candidates for Vice Chair



Ellen Arthur (ellen.arthur@bayercropscience.com)

Dr. Arthur is currently a senior scientist at Bayer CropScience in Stilwell, Kansas, where she has been working in Research & Development of agrochemicals since 1998. She is a graduate of Iowa State University, and her background is in the area of environmental chemistry and toxicology. She was one of the first recipients of the US Environmental Protection Agency's Star Fellowship Program. While her career at Bayer CropScience began in the area of environmental fate of pesticides in soil and water, she currently holds a position of product responsible scientist covering technical support for plant, animal, soil and water issues for various Bayer active ingredients including imidacloprid, spirosmesifen, spirodiclofen and thiacloprid. Dr. Ar-

thur has been active in the Agrochemicals Division since 1990, participating in numerous ACS symposia. She has previously served on the Agrochemicals Executive Committee and is currently serving on the Agrochemicals Programming Committee. She has numerous publications and has co-organized several ACS symposia including *Phytoremediation of Soil & Water Contaminants*; *Terrestrial Field Dissipation Studies: Purpose, Design, & Interpretation*; *Advances in Environmental Fate & Exposure Assessment*; and *Sustainable Forest Pest Management*. From these symposia, she has co-edited two ACS symposia series books and has contributed to the publication of a series of papers in the *Journal of Agriculture and Food Chemistry*. Dr. Arthur has been recognized within Bayer CropScience with a Gold Laureate Award, which is given to those whose embodiment of core values is apparent in their far-reaching success and distinction of efforts. She is very interested in the continued success of the Agrochemicals Division and would like to see an expansion of involvement in ACS symposia from up-and-coming scientists who could be mentored by more experienced members. Dr. Arthur would very much like this opportunity to lead the Division and to contribute further to its continued success.



Scott Senseman (s-senseman@tamu.edu)

Scott Senseman graduated from Wilmington College of Ohio in 1986 with a B.S. in agricultural business. He attended the University of Arkansas where he completed his M.S. in agronomy-weed science in 1990 and his Ph.D. in agronomy-pesticide residue in 1994. He is currently a Professor at Texas A & M University in the Department of Soil & Crop Sciences where he has been employed since October, 1994. Dr. Senseman's research program has concentrated on several aspects of herbicide chemistry including the effectiveness of grass buffer strips on removal of herbicides from runoff water, herbicide dissipation and carryover, absorption and translocation of new herbicide combinations, effect of herbicides on soil microbial activity, and extraction method development for soil and water using solid-phases, supercritical fluid, and accelerated solvent extraction techniques. He has authored or coauthored 72 peer-reviewed journal articles, 153 abstracts of poster and oral presentations, five technical reports, and two magazine articles. In 2007, he finished his service as the editor for the Weed Science

Society of America's Ninth Edition of the Herbicide Handbook. Dr. Senseman helped develop and teach an undergraduate course related to the evolution, role, and fate of agricultural chemicals in row crop production, two graduate courses related to herbicide mode of action and environmental fate as well as an analytical course related to instrumentation used in environmental aspects of agronomy. Dr. Senseman has served as major advisor or co-advisor for 16 graduate students and has served on 47 other graduate student committees during his tenure at Texas A & M.

It is with great pleasure that I accept this nomination to serve the Agrochemical Division of the American Chemical Society. I have always enjoyed the collegiality of the AGRO members and have found these meetings to be extremely positive and fruitful. The students in my program that we have sent

have always commented positively about their experiences and connections made during their visit to the ACS meetings. One of the things that I feel as a responsibility in my current position is to try to create opportunities for students. It is the clear vision of this continuing quest that I find particularly appealing about serving in the AGRO division. It is apparent through the ongoing travel grant programs that the division is also interested in providing opportunities and I would like to be a part of helping that continue. Other meetings simply can not compete for the breadth and quality of science that is presented at an ACS meeting and particularly in the AGRO division. To have programs available for students to participate at a reduced price by receiving a travel grant is a treat to both the student and the professor sending them. The strategic planning that has been completed and the actions taken because of it by the division was certainly needed. I believe that this plan will serve the division well and would welcome the opportunity to fully engage and participate.

Candidates for Executive Committee



Peter Ampim (payampim@hotmail.com)

Peter Ampim is currently working on a PhD under Dr. Joseph H. Massey at Mississippi State University and has been a member of the Division since 2005. He earned a BS in Natural Resources Management from Kwame Nkrumah University of Science and Technology in Ghana and MS in Agronomy from Alcorn State University in Mississippi. Peter feels that serving on the executive committee is an opportunity to play a more active role in the Division.



John Clark (jclark@vasci.umass.edu)

Dr. John Marshall Clark, Ph.D., is a professor of environmental toxicology and chemistry in the Department of Veterinary & Animal Science at the University of Massachusetts in Amherst. He is the director of the Massachusetts Pesticide Analysis Laboratory and an adjunct professor in the Molecular and Cell Biology, Environmental Toxicology & Risk Assessment, and Plant Biology Programs. He has made numerous contributions to the study of agrochemicals and has been an active member of the Agrochemical Division of ACS for 28 years. He also is a member of the Environmental Chemistry and Chemical Toxicology Divisions of ACS. Dr. Clark's research has contributed substantially to the basic understanding of pesticide mode of action, resistance mechanisms and management, and environmental fate and exposure assessment. He has published over 150 research and review articles and edited six symposium books. In honor of his contributions to the advancement of pesticide toxicology, Dr. Clark received from the Agrochemical Division the International Award for Research in Agrochemicals



Stephen O. Duke (sduke@olemiss.edu)

Steve Duke is currently research leader for the USDA-ARS Natural Products Utilization Research Unit in Oxford, MS. His research has focused on herbicide mode of action, herbicide resistance, and natural compounds for pest management. He has published more than 300 papers and book chapters, as well as six edited books (3 are in the ACS symposium series) and a co-authored text book. He is on the advisory board of the *Journal of Agricultural & Food Chemistry*, and is the Americas Editor of *Pest Management Science*. He is former President of the Weed Science Society of America and the International Weed Science Society and has many awards, including the ACS Div. of Agrochemicals International Award for Research in Agrochemicals. He has spoken in many ACS symposia and has organized or co-organized five of these symposia and is co-organizing a symposium for next year.

Regarding the future of the Division of Agrochemicals, Steve has provided a couple of statements regarding our Division. "Agrochemicals will continue to play a vital role in international food production and protection. To remain viable and to grow, our Division should reflect the most outstanding research that is being conducted to solve current and emerging problems in agricultural production that can be solved with chemistry, including biochemistry and molecular biology."



Derek W. Gammon (dgammon@cdpr.ca.gov)

Dr Gammon obtained his BS degree in 1972 from Liverpool University (UK) in biochemistry and went on to complete his PhD at Emmanuel College, Cambridge University, in Natural Sciences in 1977. He continued his research on insecticide mechanism of action over the next six years in postdoctoral fellowships at Cambridge and UC Berkeley, in the latter case, in John Casida's laboratory. Since then, he spent 10 years doing research in industry in the US before taking up his present position in 1993. He conducts risk assessments on pesticides for California EPA, Department of Pesticide Regulation, and has completed them for six active ingredients. Much of this work has been published

and he has almost 60 papers on pesticides in refereed journals or books. Derek serves on the editorial boards of three journals, including Pest Management Science, since 1987, and has also served as Associate Editor of three textbooks, including the Handbook of Pesticide Toxicology, 2nd Ed., in 2001 and the Encyclopedia of Agrochemicals, 1st Ed., in 2003. He is a board certified toxicologist (DABT) and recently served on a Scientific Advisory Panel for USEPA. Dr Gammon has been the senior author on chapters in three ACS Symposium volumes and has helped to organize many national and international meetings, including the recent ACS Agrochemicals International Award for Research on Agrochemicals Symposium (Spring, 2007). He hopes to bring his ideas, insights and energy to the Agro Division as a member of the Executive Committee.



Steven J. Lehotay (steven.lehotay@ars.usda.gov)

Research Service (ARS) at the Eastern Regional Research Center (ERRC) near Philadelphia, PA. He worked at the USDA-ARS Beltsville Agricultural Research Center in Beltsville, MD for 7 years before transferring to the ERRC in 1999. He obtained both his B.S. and Ph.D. degrees in Chemistry from the University of Florida in 1987 and 1992, respectively. Throughout his career in ARS, he has worked to develop effective and efficient methods for the analysis of chemical residues (pesticides, veterinary drugs, and environmental contaminants) in food and environmental samples. He has authored/co-authored >75 scientific publications and >100 meeting abstracts, and given dozens of invited presentations on his research at meetings around the world. In 2006, he co-organized an AGRO symposium on the Future of Pesticides in Agriculture, and he was invited to participate in the AGRO Division's strategic planning meeting. The camaraderie and enthusiasm of the group were infectious. He learned much about the

history, finances, people, and operations of the Division, and he hopes to continue his involvement in the Division as a member of the Executive Committee. He would like to contribute his perspective, ideas, vision, and energies to help the Division adapt to changes in the scientific field and better position itself within ACS and among other organizations.



Martin Locke (mlocke@msa-oxford.ars.usda.gov)

Dr. Martin Locke is the Research Leader of the Water Quality and Ecology Research Unit in the USDA-ARS National Sedimentation Laboratory located in Oxford, MS. He received a Ph.D. in Agronomy (emphasis in soil science) from Texas A&M University (1987). Dr. Locke has applied his environmental research experience in assessing the value and impact of conservation management systems and edge-of-field practices, emphasizing impacts of these management practices on fate of agrichemicals and protection and enhancement of soil and water resources. Research issues have related to topics of regional and national importance, including Total Maximum Daily Loads (TMDLs) and evaluations of conservation management practices related to the national USDA Conservation Effects Assessment Program. Dr. Locke is co-author of the ACS Symposium Series book, "Water Quality Assessments in the Mississippi Delta Regional Solutions, National Scope".



Joseph H. Massey (JMASSEY@PSS.MSSTATE.EDU)

Joe is an associate professor (20% teaching, 80% research) at Mississippi State University. He teaches graduate-level courses in Herbicide Physiology & Biochemistry (PSS 8724) and the Environmental Fate of Herbicides (PSS 8634). As coordinator of MSU's Environmental Science certificate program, he also teaches Introduction to Environmental Science (ENS 2102). His research emphasizes water quality/quantity issues in agriculture. He serves on AGRO's long-range programming committee and recently co-chaired a symposium on biofuels and biobased products in Chicago.

Thomas Potter (Tom.Potter@ars.usda.gov)

I am pleased to have the opportunity to volunteer my service for the Division Executive Committee and would appreciate your vote of support. This is an exciting and interesting time for our Division. We seek to expand programs while maintaining our mission to apply chemistry to solve problems of food and fiber production and to protect public health and the environment. I believe that we can do this by more fully engaging the exceptional diversity and talent of our members. I am committed to achieving this by promoting communication and dialog within the Division. For those of you who don't know me, I am a research chemist at the USDA-ARS Southeast Watershed Laboratory. For the past 10 years, I have led a multi-disciplinary group of scientists in investigations of the fate and transport of pesticides at field, farm and watershed scales. Prior to joining ARS, I worked as a consulting environmental chemist and at the University of Massachusetts where I completed my PhD. I was awarded my B.S. degree in chemistry by the University of Maine and my M.S. in soil chemistry by Cornell University. In more than 25 years of work as a practicing chemist I have had the opportunity to serve as a technical advisor to numerous state and federal agencies and governments in Middle East and Latin America. I was also a U.S. Peace Corps volunteer serving in Philippines. I mention my Peace Corps service because it was time of personal and professional growth for which I am especially grateful. It opened my eyes to the incredible opportunities that chemists have for helping people.



Kenneth Racke (kracke@dow.com)

Dr. Kenneth Racke is a member of the Regulatory Sciences and Government Affairs Group for Dow AgroSciences, and is based in Indianapolis, USA. He currently manages registration activities for insecticide products in the U.S., and also leads international efforts related to pesticide residues in food and establishment of international trade standards. Dr. Racke joined Dow in 1988, and his early research efforts were focused on the environmental chemistry and ecological impacts of pesticides. Since 1996, Dr. Racke has provided leadership for a number of teams involved with new product evaluation, design and implementation of registration development projects, and completion of national and international reevaluation programs. Dr. Racke has been an active member of the American Chemical Society for the past 24 years, and for the Agrochemicals Division he has previously served on the Executive Committee, organized symposia, and chaired the young chemist recognition program. He has also been active for the past 15 years in promoting international crop protection chemistry activities through the International Union of Pure and Applied Chemistry (IUPAC), where he presently serves as Chairman of the IUPAC Advisory Committee on Crop Protection Chemistry. Through IUPAC, Dr. Racke leads the organization of international pesticide chemistry congresses, regional crop protection chemistry workshops, and projects promoting internationally harmonized approaches to evaluation and regulation of agrochemicals. Racke received a B.A. in Biology from Trinity Christian College in 1981, a M.S. in Entomology from The University of Wisconsin in 1984, and a Ph.D. in Entomology from Iowa State University in 1987.



Pam Rice (pamrice@umn.edu)

Dr. Rice is a research chemist in the USDA-ARS unit affiliated with the Department of Soils, Water, and Climate at the University of Minnesota. Her current research studies the environmental fate of pesticides applied to turf and best management practices for controlling pesticide movement. She has been very active in the Division, completing past service on the AGRO Executive Committee and currently serving on the organizing committee for the 2008 Pan Pacific Pesticide Conference in Hawaii. She has co-organized several symposia, including “**Evaluation of Agriculturally-Related Chemicals: Impacts on Environmental, Animal, & Human Health**” and **Turfgrass: Pesticide Exposure Assessment and Predictive Modelling Tools**”.



Daniel M. Stout II (stout.dan@epamail.epa.gov)

Dr. Stout is a graduate of Mississippi State University (B.S.) And North Carolina State University (M.S. and Ph.D). He is a staff scientist at the USEPA, Human Exposure Analysis Branch in RTP, NC. As an Entomologist, he specializes in urban pests and their control, the examination of the fate and transport of residential use insecticides, and the collection of environmental measures to evaluate potential human exposures. Dan has been a member of the ACS Agrochemical Division for 11 years. Currently, he coordinates membership for the Division and remains an active and interested participant in all Division activities. He wishes to see the Division grow and continue to provide a vital nexus for academia, industry and the governmental organizations in regard to agricultural chemistry and related issues.



Scott Yates (syates@ussl.ars.usda.gov)

Dr. Yates is currently Research Leader for the USDA-ARS, U. S. Salinity Laboratory in Riverside, CA, where he has been a research scientist since 1987; and has been appointed as Professor (adjunct) at the University of California-Riverside. His research interests include pesticide fate and transport, volatilization, soil-gas diffusion, transport of organic chemicals, and modeling. He has published over 155 journal articles, 37 in the ACS journals and 1 patent. He has been invited to present research at numerous ACS symposia, contributed chapters to four ACS Symposium Series books, served as an organizer of a joint symposium with Agricultural and Food Chemistry “*Sustainable Food and Agriculture for African Drought Areas*”, and participated in the planning process. He has mentored students who have participated in the Division of Agrochemicals Young Scientist Research Recognition Award and Symposium, including 1 first-place winner and a runner-up. Other professional society involvements include the Soil Science Society of America/American Society of Agronomy (Fellow status in both). Dr. Yates has spent 12 years as associate editor of the Journal of Environmental Quality and the Soil Science Society of America Journal and has recently been selected as Technical Editor of Journal of Environmental Quality. He has been recognized for his research achievements and professional contributions with awards from the EPA, USDA, and American Society of Civil Engineers. A main focus his efforts would be to increase membership and participation in ACS and AGRO meetings and symposia, strategic planning of future activities and scientific focus, and targeted development of coordination and partnerships with other societies that would be beneficial to the Division.