



September 29, 2017

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WELCOME
New
Members!

August
2017

Click to see who's
joined
your network of
colleagues

From the Executive Director



I have written in the past about the [World Food Prize](#) (WFP) as one of the most influential events for those striving to solve humanity's Grand Challenges, and this year's WFP in Des Moines, Iowa, promises to be another great one. It's a "who's who" gathering that will have a strong emphasis on the agricultural equipment industry, with both Sam Allen (John Deere's CEO) and Martin Richenhagen (AGCO's CEO) on the program. We had a



preview of the theme when WFP president and former U.S. ambassador Ken Quinn was our keynote speaker at the 2017 annual international meeting, in Spokane, and described “The Road out of Poverty.”

ASABE has become increasingly engaged with the WFP, and this year we are pleased to partner with the Council on Agricultural Science and Technology (CAST) to host a special session highlighting the Borlaug CAST Communication Award and ASABE’s Global Engagement efforts. This official WFP side event will begin with a breakfast sponsored by Syngenta, followed by a presentation of the Borlaug CAST Communication Award to Jayson Lusk, of Purdue University. ASABE President Steve Searcy will then lead a panel discussion on “Designing the Road out of Poverty: Ensuring Resource Access,” which will address the critical role of water and energy in producing adequate food, and the competing demands for those resources. This ASABE/CAST side event is free to attend, and you do not have to register for the entire WFP program; however, space is limited, so you need to sign up soon. I look forward to seeing you in Des Moines in a few weeks.

Darrin J. Drollinger
Executive Director

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ASABE and CAST to Co-Host Special Event at 2017 World Food Prize



ASABE is partnering with the Council on Agricultural Science and Technology (CAST) to host an event highlighting CAST’s Communication Award and ASABE’s Global Engagement efforts. This event will be held on Wednesday October 18, 2017, 7:00 to 9:45 a.m. CDT at the Des Moines Marriott Downtown. It is one of the official side events of the 2017 Borlaug Dialogue hosted by the World Food Prize Foundation.

The ASABE portion of the event will consist of a panel discussion entitled “Designing the Road out of Poverty: Ensuring Resource Access.” The panel will address the critical role of water and energy in producing adequate food, and the competing demands for those resources. The World Food Prize highlights the efforts of many to ensure that we can feed the global population, both now and in the decades to come. The competition for resources is more and more recognized as a primary determinant of our ability to meet those future food needs.

ASABE Presentation and Panel Discussion

Introduction to ASABE’s Global Engagement Activities: Stephen Searcy, ASABE president, professor and head, biological and agricultural engineering, Texas A&M
Introduction of panel members by moderator: Indrajeet Chaubey, associate dean and director of international programs in agriculture, Purdue

Panel discussion:

Margaret Catley-Carlson, member, Advisory Committee of World Food Prize; active on multiple organizational boards focused on improved water resource management

Timothy Williams, director for Africa, International Water Management Institute

David Baltensperger, department head, soil and crop sciences, Texas A&M

Geoff Graham, vice president, plant breeding, DuPont Pioneer

Jayson Lusk, department head, Agricultural Economics, Purdue; CAST Borlaug Communications award winner

To learn more about the side event and register click [here](#).

Upcoming
ASABE
CSBE/SCGAB
Section
Meetings
and
Other Events

North Carolina
September 29

Wisconsin
October 4

Texas
October 4-6

DC/Maryland
October 6

Arkansas
October 6

Chicago
October 12

Click
for details

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Detroit 2018: AIM Registration, Call for Papers Now Open!



Detroit—America's Great Comeback City—awaits you in summer 2018! Mark your calendar and make plans now to enjoy this modern renaissance city as ASABE welcomes you to the 2018 ASABE Annual International Meeting, July 29–August

1. The call for papers and meeting registration are now open.

Abstracts will be accepted until midnight EST, January 3, 2018, and can be submitted [online](#). A list of available sessions topics can be found [here](#).

Once again, we are pleased to offer \$50.00 off of the early bird rate for those who wish to bundle meeting registration with their ASABE membership renewal. Take advantage of this reduced rate by marking the corresponding box on your dues renewal invoice or when renewing online. This offer is available only until December 31 and only to existing ASABE members.

With a metro area comprising nearly 2,000 square miles, Detroit offers an incredible array of things to see and do, from diverse dining, nightlife, and cultural attractions to professional sports. And for those with an appreciation for automotive and manufacturing history, there is no better place to feed your appetite than the Motor City, metropolitan home of [The Henry Ford](#) complex of attractions and much more.

Stay up to date! ASABEMeetings.org is updated regularly with information about the 2018 annual meeting. Registration rates and link, Call for Papers instructions and link, travel information, and more are currently available. Explore the "Detroit" link to read some fun facts about America's Great Comeback City!

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ASABE Membership: A Great Value Made Even Better with Prompt Renewal



2018 invoices are now available online for payment. If you pay before midnight EDT, October 20, your name will be entered into a drawing to receive one of ten \$100 MasterCard gift cards to be used anywhere MasterCard is accepted. The drawings will take place Monday, October 24, and the

winners will be notified by e-mail.

Need more incentive to renew promptly? How about a discount on Annual International Meeting (AIM) registration? We're again offering a \$50 price break if

you bundle your membership renewal with 2018 AIM registration and pay before the end of 2017. And that savings is on top of the Early Bird meeting discount! The 2018 AIM will be held in Detroit, Mich., July 29–August 1.

Paying your dues is easy. Simply click the Login at the top of the ASABE [homepage](#), select "Renew Now," near the top of the page, and pay with a credit card via our secure server. You may also phone (800/371-2723 or 269/932-7005), fax (269/429-3852), or mail your renewal. If mailing, the postmark must be no later than October 20 to ensure your entry in the gift card drawing. Prefer to wait for a copy of your invoice by mail? It will be sent to you toward the end of October.

As always, thank you for your continued support.

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VisualChallenge7 - Last Call!



We want your photos!

To celebrate the profession, *Resource* magazine's annual Visual Challenge is an opportunity to creatively show those outside the ABE field: "This is what we do." Submit original photography or graphic illustration as an e-mail attachment in .jpg format (300 dpi or higher) to [Sue Mitrovich](#), *Resource* managing

editor. Enter *Visual Challenge 7* in the subject line.

Deadline: October 2, 2017. The winning entries will be selected by *Resource* staff and published in the January/February 2018 issue.

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Recognize and Nominate a Deserving Colleague or Student for an ASABE Major Award

Award nomination materials are due to ASABE headquarters by October 31, 2017, for consideration of the 2018 award year. To access nomination forms and more information on each award click [here](#).

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New District Reps Elected

We're pleased to announce the election of two new District Representatives to serve the sections within their districts and act as representatives to the Membership Development Council (MDC). Each holds a position on the MDC through the 2019 annual international meeting.

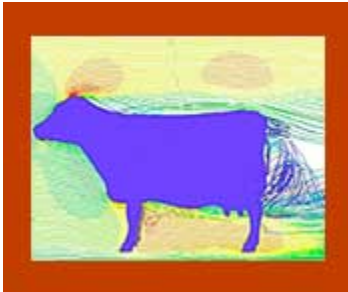
Elected by section members within their districts were:

- Richard Scholtz, University of Florida, for District 2
- Alireza Pourreza, University of California Agriculture and Natural Resources, for District 4

Congratulations, and thank you for your service to ASABE!

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ILES X: Call for Papers Closes October 20



The Call for Papers continues for the 10th International Livestock Environment Symposium, ILES X, being co-presented with the 1st U.S. Precision Livestock Farming Symposium. The symposia will take place September 25-27, 2018, at the DoubleTree by Hilton, in downtown Omaha.

Submit your abstract now through October 20, 2017. Visit www.asabe.org/ilesx2018 for more details about this event and the link for abstract submission. Topics for abstract submission are Air Quality-Measurement and Abatement of Aerial Pollutants, Animal Responses to Environment, and Precision Livestock Farming.

The three-day symposium includes oral and poster sessions and a half-day technical tour.

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New Faces of ASABE: Where Are They Now?

New Faces of ASABE: 2018 Nominations Open October 3!



New Faces of ASABE recognizes the outstanding talents and passions of the rising generation of engineering leaders, whose work is already having significant impact on public welfare around the globe. The program has two categories: College Edition, for undergraduates, and Professionals, for engineering graduates 30 years of age and younger. ASABE offers its College Edition winner a \$1000 scholarship, while the winner in the Professionals category is invited to travel to Washington, DC, to represent ASABE at Engineers Week activities.

We all know that ASABE members are amazing people. They work to solve some of the biggest challenges that we face—how are we going to provide enough food, feed, fiber, clean water, and clean energy in a way that uses our resources responsibly and sustainably for generations to come?

We were curious to learn what some of our past honorees have been up to, and to see whether their involvement with New Faces made a lasting impact. We caught up with six of them and asked them to tell us what they are doing now, and what being named as a New Face of ASABE has meant to them. Read below and follow the links to see their responses.

Wondering what our College Edition winners are up to? They've moved on to successful careers and we're working on their updates—stay tuned! And watch for nominations for 2018 to open next week.

Brady Lewis, 2009 – Program Manager – SSL/CTL Product Line, CNH Industrial
Brady coordinates cross-functional product development teams working on new products, features, and enhancements. . . [read more](#)

Laura Christianson, 2011 – Assistant Professor of Water Quality, Department of Crop Sciences, The University of Illinois at Urbana-Champaign
Laura leads the Illinois Drainage Research and Outreach Program (I-DROP) where their aim is to develop, evaluate, and refine practices that keep nutrients out of waterways. . . [read more](#)

Mike Sama, 2012 – Assistant Professor, University of Kentucky, Department of Biosystems and Agricultural Engineering
Mike leads a research program in areas such as precision agriculture, remote sensing, unmanned aircraft systems, and variable-rate control. . . [read more](#)

John Andruch, III, 2013 – Combine Advanced Functional Engineer, John Deere
John is responsible for developing and testing concepts that improve the combine's capacity, grain quality and straw quality, as well as developing the test equipment that quantifies the combine's output for these features. . . [read more](#)

Grace Richardson, 2014 – Engineering Project Manager, Alexandria Renew Enterprises
In her work at a wastewater treatment facility, Grace manages various projects within the fence, such as upgrades, new construction, and equipment repairs, from design and planning stages through implementation and construction. . . [read more](#)

Anne Dare, 2016 – AAAS Science and Technology Policy Fellow; Regional Embassy Science Fellow for Israel, Jordan, and the Palestinian Territories, US Agency for International Development's Middle East Regional Cooperation Program
In her two roles with the US Agency for International Development, Anne seeks to advance the state of science and cooperation in the Middle East region specifically as it relates to research in water and food security and climate adaptation. . . [read more](#)

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2018 Fountain Wars Rules Posted



Fountain Wars is a hands-on, real-time design competition where students design and model their entry before the Annual International Meeting (AIM) in Detroit, Mich., and build and test their actual entry under time pressure during the competition at the AIM.

Fountain Wars requires a modest design document and limited expenditures. As such, it is

primarily targeted at student clubs or participants in sophomore/junior-level class design projects. Teams will arrive at the competition with a design for their fountain, along with the necessary PVC pipe, couplers, fittings, valves, nozzles, and pumps to assemble their design. They will construct their system during a 120-minute build period. After final construction and testing period, the contest will begin with an aesthetic display. The technical tasks for 2018 will be (1) Putting from the Drink and (2) The Balancing Act.

January 26, 2018 is the deadline to email your team's intent to enter the

competition to [Danny Rogers](#).

Click [here](#) for access to the rules, guidelines, and general information about the competition.

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Beasley Honored by ABET

ASABE Fellow David B. Beasley has been honored with his selection as a Fellow of ABET in recognition of exceptional dedication and leadership of the Engineering Accreditation Commission and for significant contributions to accreditation criteria, including general engineering, biological engineering, and master's-level programs.

ABET is the body that oversees accreditation of college and university programs in the disciplines of applied science, computing, engineering, and engineering technology at the associate-, bachelor-, and master-degree levels.

Beasley has been a tireless proponent of engineering accreditation for many years. He is a 44-year member of ASABE.

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21st Annual 1/4-Scale Competition Announced



ASABE is pleased to announce the 21st Annual International 1/4-Scale Tractor Student Design Competition, to be held May 31–June 3, 2018, at the Expo Gardens in Peoria, Ill. Teams planning to enter the 2018 competition, should email the following information to [Tina Schultz](#) as soon as possible:

- Team Name
- Advisor's Name
- Advisor's Phone Number
- Advisor's E-mail Address
- Team Captain's Name
- Team Captain's Cell Number
- Team Captain's E-Mail Address
- Shipping Address for Tires and Engine

Each team will be given a 31-hp Briggs and Stratton engine, and a set of Titan tires. With the goal of rewarding the best overall tractor design, the competition includes a written design report, team presentation, design judging, and a performance competition. The performance competition is comprised of three events: a maneuverability course; a multi-stage tractor pull using a progressive sled; and a durability course.

The 1/4-Scale Tractor Student Design Competition is sponsored by AGCO Corp., Briggs & Stratton, Campbell Scientific, Inc., Case IH, Caterpillar, Deere & Company, New Holland, RCI Engineering, SolidWorks, and Titan International. Additional support is provided by Central City Scale, Claas, Danfoss, igus, Inc., GSI Grain Systems, Katie McDonald Photography, MacDon, Miller Electric Manufacturing, and

Thomson.

Good luck with your designs. We look forward to seeing you in 2018!

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ASABE Forums Upgrade Underway

An upgrade to the ASABE Forums technology is underway. Forums allow committees to communicate and share documents among members; the upgraded technology will facilitate that work.

The new platform is now in limited use, after a soft launch took place among several committees. A full launch is slated for October 1 and will be preceded by an email to users. Please watch for that email and related correspondence, and read carefully for details and instructions for using the new system.

The old platform (eForums) will remain in place for standards ballots currently in progress.

To peek at the new system, [log in](#) to find *ASABE-Forums (New)* on your My ASABE page, above the old e-Forums link. Contact [Jean Walsh](#) with any questions about the new ASABE Forums.

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In Memoriam - Wesley Buchele



ASABE Fellow Wesley F. Buchele, ISU professor emeritus in agricultural engineering, died Sept. 13 peacefully at Israel Family Hospice House in Ames, Iowa. He was 97.

Buchele and his twin brother, Luther, were born in a Kansas farmhouse on March 18, 1920, to Charles and Bessie (Fisher) Buchele. Wesley and Luther were the youngest of the seven Buchele brothers. Their dad died when Wes was 11 years old, leaving the Buchele boys to run their family's farm in south-central Kansas while the boys were still in school. At age 15, Wes was running a four-man threshing crew, when "it was 105° F in the shade—and there was no shade!" The experiences of the sweaty, dirty, grueling work of threshing grain and baling hay led him to a lifelong interest in making the lives of farmers easier and safer.

At Kansas State University, Buchele met Mary Jagger while earning a BS in agricultural engineering. They married, on June 12, 1945. In the Army, Buchele was part of the demilitarizing force on the island of Hokkaido and the northern part of the island of Honshu, Japan. After WWII, he served in the Army Reserve for 20 years.

Buchele's career began with John Deere in Waterloo where their first child, Rod, was born. Next they moved Fayetteville, Ark., to earn his master's degree in agricultural and mechanical engineering, and their daughter Marybeth was born. Then they moved to Ames, where he earned a PhD in agricultural engineering, and their daughter Sheron was born; then to East Lansing, Mich., to teach at Michigan State University, where their fourth and last child, Steve, was born. In 1963, the Buchele family returned to Ames, where Wes joined the faculty of Iowa State University.

At ISU, Buchele's creativity blossomed as he worked with students and faculty. He published hundreds of technical articles and was awarded 23 patents, the two most notable being for the large round baler and the axial-flow or helical-flow threshing cylinder for combines.

Late in his career and after retirement, in 1989, Buchele traveled the world with Mary, teaching in China, Australia, Tanzania, Nigeria, and the Philippines before settling in Cabo San Lucas, Mexico, and driving their RV around the country to stay with their four children's families. In 2000, his beloved Mary died unexpectedly. Buchele stopped traveling by RV, but still continued to visit his children. Upon arrival, he would ask for "the list," a list of things that needed fixing around the house, promising to stay only as long as there were things to do on that list. Then he would move on to the next child's family and a new list.

In 2011, Marybeth returned to Ames to help care for her father, and together they built a house in west Ames. They were active in the Ames and Iowa State community. During this time, Buchele also authored two more books, *Just Call Me Lucky*, a collection of stories co-written with his brother Luther, and *Who Really Invented the Cotton Gin?* They joined his previous book, *The Grain Harvesters*.

On Labor Day 2017, as Buchele was getting ready to mow the lawn—at age 97—he had a major stroke and fell. At Mary Greeley and Israel House he was visited by a multitude of friends and family and died peacefully nine days later.

Online condolences may be left at adamssoderstrum.com.

He was a 72-year member of ASABE.

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In Memoriam - Bruce McKenzie



ASABE Fellow Bruce A. McKenzie was born January 28, 1927, in LaGrange County, Ind. Born seventh of thirteen children, he referred to himself as "the middle child."

McKenzie graduated from high school in 1945 a semester early to join the Navy during WWII. He was discharged from the Navy in July of 1946 and started at Purdue that fall. He graduated with a degree in agricultural and biological engineering (ABE) in 1950 and joined the faculty the day after graduation. He completed a master's degree in ABE at Michigan State University in 1958.

McKenzie met Irene Allen at a Lafayette dance held at Columbia Park in 1947. They were married two years later. They raised their family in Lafayette and traveled to many universities for summer meetings as well as attended many Purdue sporting events. One would be hard pressed to find someone who loved Purdue University more than he! McKenzie was the consummate educator. Every family vacation involved educational stops along the way. They didn't travel on the interstate: McKenzie mapped out the back routes with lots of jaunts to see a historical site or an interesting town that he had read about.

He is survived by son Terry McKenzie of Fishers, Ind.; daughter Michele Maginot (Paul) of Fishers, Ind; grandchildren Brycelyn Ziliak (Paul), Jason McKenzie (Beth), Alli Maginot, and Greg Maginot; and great-grandchildren Alec, Connor, Arie and Camryn. He also leaves behind many nephews and nieces in his large McKenzie family.

He is predeceased by his beloved wife Irene, son Greg, infant daughter Cindy Lou, granddaughter Maggie McKenzie, and granddaughter Jennifer Maginot.

McKenzie was a 66-year member of ASABE.

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Recent Standards Activities

Proposed Projects

- ANSI/ASABE S613-4 AUG2017, Tractors and self-propelled machinery for agriculture - Air quality systems for cabs - Part 4: Performance test of a cab

New Revisions

- ANSI/ASABE AD5673-1:2005 SEP2017, Agricultural tractors and machinery - Power take-off drive shafts and power-input connection - Part 1: General manufacturing and safety requirements
- ANSI/ASABE S639.1 SEP2017, Safety Standard for Large Row-Crop Flail Mower

Press Releases

- September 1, 2017, New Agricultural Cab Enclosure Standards Improve Air Quality for Operators
- September 12, 2017, ASABE Revises Standard on PTO Safety

Click [here](#) for a complete listing of ASABE Standards project activity, including recent Press Releases.

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[Dolores Landeck](#) - Editor
2950 Niles Rd. St. Joseph MI 49085
phone: 269-932-7039
www.asabe.org

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