



Page 4



Page 6

Volume 37

FALL 2000

Oklahoma State University Department of Biosystems and Agricultural Engineering

Dr. C.T. Haan Receives 2000 Eminent Faculty Award

Dr. C.T. Haan, biosystems and agricultural engineering professor, received the prestigious Eminent Faculty Award for his 22 years of service at Oklahoma State University. This award is the highest distinction given to a faculty member by the University.

Dr. Haan was presented the award August 24 at the Fall Convocation by President James Halligan. The award grants the recipient a \$10,000 cash prize along with a commemorative plaque.

The Eminent Faculty Award was established in 1997 to award one outstanding faculty member for excellence in scholarly-creative activities, teaching and service. The recipient of the award exemplifies a selfless commitment to teaching and a tireless enthusiasm for scholarly achievements, and Dr. Haan is a deserving recipient according to Dr. Bill Barfield, professor and head of the biosystems and agricultural engineering

department.

“Dr. Haan has been a colleague of mine for 32 years now. In all that time, I have never known anyone more capable as an engineer or a scientist, nor no one with better character than he,” said Barfield. “All the awards he has received have been well-deserved.”

The recipient of the Eminent Faculty Award is selected from a committee appointed by the executive vice president. The Eminent Faculty Award Committee includes two members of the Research Council, one member of the Graduate Faculty Council, one member of the Faculty Council’s Academic Standards and Policies Committee, one Regents Professor, one undergraduate student, one graduate student and the previous Eminent Faculty Award winner. The Eminent Faculty Award Committee selects three finalists and a three-member OSU Selection Committee then selects

the winner.

Charles Thomas Haan obtained his bachelor’s degree and his master’s degree in agricultural engineering from Purdue University in 1963 and 1965. He received his Ph.D. from Iowa State University in 1967 and immediately went to work as an assistant professor of agricultural engineering for the University of Kentucky.

In 1978 Dr. Haan moved from the University of Kentucky to OSU to serve as professor and head of the agricultural engineering department. While head of the department, Dr. Haan was instrumental in increasing student enrollment as well as departmental faculty numbers. His leadership also brought more funding to the department in the form of research grants. The number of faculty publications also increased during Dr. Haan’s term as department head.

continued on page 3



Professor C.T. Haan receives the Eminent Faculty Award from OSU president James Halligan at the 2000 Fall Convocation.

Inside:	
• Search for Dept. Head	2
• ASAE Awards	3
• Christine Altendorf	4
• SPREC	5
• Tractor Team	6
• Classroom Dedication	7
• Faculty Spotlights	9
• Alumni Update	10
• Upcoming Events	12



Search Continues for New Department Head

"The final test of a leader is that he leaves behind him in other men the conviction and the will to carry on."

-Walter Lippmann

It is tough to replace a good man! As many of you know, Dr. Billy Barfield has stepped down from his position as department head and left us with no one to take his place. We went right to work looking for a new department head but found that really good departments heads, like Dr. Barfield, are hard to come by.

So far, we have been unsuccessful in our attempts to find a replacement for Dr. Barfield, even after advertising the position for a new department head. However, we are in the process of identifying and selectively contacting the best in our profession to convince them to consider the biosystems and agricultural engineering department at OSU for a possible career choice.

So, the search continues. We attended the international ASAE meeting in Milwaukee, Wis., this July and contacted several well-qualified people

with the prospect of filling the position. One person later contacted us desiring further information about our department. However, at this time no formal application has been submitted.

At the end of September, Dr. Barfield left for his sabbatical in Clemson, S.C. At that time Sam Curl, dean of the department of agricultural sciences and natural resources, designated Dr. Ed Miller, associate dean of the college of agricultural sciences and natural resources, as interim department head. Dr. Miller will serve in that position as our search for a permanent department head continues.

Meanwhile, if you know of any well-qualified applicants please send them our way. We will make certain to keep you posted on our search and hopefully will have more to tell you in the spring newsletter. Thanks for your help and support.

BAE alumni and friends, we need your help in two ways:

- (1) To recruit potential students and
- (2) to donate to the BAE scholarship activity fund

- It takes dollars to recruit good students, and good students make your degree that valuable. Our commitment to you is if they come here, we will take care of them to the best of our ability.

- If you know of any potential students who would be interested in biosystems and agricultural engineering, please send their names and addresses to us so we can contact them.

Where Are They Now?

Tracking BAE Alumni

Spring 2000 Graduates

Elizabeth Blakenhorn
Detroit, Mich.

Chad Ingram
Texas Department of Transportation

Jay Jantzen
Greenwood, Ark.

Diana Loudenslager
DHL Engineering
Owasso, Okla.

Lynn Lye
Dutch Quality House
Atlanta, Ga.

Rebecca Ostermann
Lecturer, OSU

Lakshminarayanan Ramanathan
Boston, Mass.

Giuliana Pareja
Arthur D. Little Consulting Co.
Boston, Mass.

Summer 2000 Graduates

Stewart Reed
Research Engineer, OSU

Yu Zou
Graduate Student, OSU

Duane Needham
Ph.D. Student, OSU

Bernadeth Surjadinata
Ph.D. Student, Texas A&M

Muluken Tilahun
Kraft Foods

Brian Haggard
U.S. Geological Survey
Tulsa, Okla.

OSU ASAE Chapter receives Awards

The American Association of Agricultural Engineers National Convention was held July 9-12, and the OSU ASAE chapter walked away with several winners.

The annual event was held in Milwaukee, Wis., and chapters from across the nation competed in various activities. This year 10 chapters competed, and the OSU ASAE chapter took home second place in the Equipment Manufacturers Institute (EMI) Report Trophies competition. The OSU chapter won the event last year. This event determines how active the club is based upon membership participation. The biosystems chapter lost to the Kansas State ASAE chapter, but is looking forward to next year's competition.

Other awards went to Jay Jantzen,

Dr. Haan, from page 1

After stepping down from his position as department head, Dr. Haan concentrated his research in the areas of hydrology and risk analysis. His achievements in these areas of study accelerated his professional career, as he was promoted to Regents Professor in 1987 and selected ASAE Fellow in 1988. He was awarded the Sarkey's Distinguished Professorship in 1989 and received the ASAE Hancor Soil and Water Award in 1990. In 1997 Iowa State University recognized him with their PACE Engineering Alumni Award. The following year, OSU honored him with the Alpha Epsilon Award for excellence in teaching.

In addition to his numerous awards, Dr. Haan has served his profession and his community well. He served as the president of the American Institute of Hydrology from 1995 to 1998. He is a current member of the National Academy of Engineering and was ordained as a Deacon of the Catholic Church in 1997.

Dr. Haan has also dedicated his career to helping students learn and assisting other engineers in their endeavors by conducting workshops and conferences. One such workshop Dr.

Diana Loudenslager and Jeff Adams, who placed second in the AGCO National Student Design Competition for their work on "A Device to Alleviate Pollution from Urban Storm Water."

They received a \$1000 cash award for their design. The competition was held to provide undergraduate students experience in designing an engineering project relevant to agriculture. The competition consisted of both a written report and an oral presentation.

Dr. Marvin Stone and Dr. Ron Elliott also received top honors for their papers, which were published in *Transactions of the ASAE*. They each received Honorable Mention. Of the 203 papers that were approved for publication, only eight received Honorable Mention.

Haan has led, "Urban Hydrology, Sedimentology and Stormwater Management," has defined stormwater management for the past quarter century. Additionally, more than 2,500 engineers have attended his short courses, which have set the standard in hydrology and sedimentology management for disturbed lands.

Receiving the Eminent Faculty Award was a privilege for Dr. Haan.

"I am of course honored to receive this prestigious award; however, when I think about other excellent faculty at OSU, a sense of unworthiness arises as well," said Dr. Haan. "Because of the people at OSU, the students, faculty, staff and administration, working here has been a pleasure and a privilege."

Dr. Haan, who is currently serving his last year as a professor in the biosystems and agricultural engineering department, will retire in January.

Dr. Barfield believes Haan's retirement will be a great loss for the department.

"As he retires, it will leave a hole that will be very hard to fill," said Barfield.

2000-2001 ASAE Student Branch Officer Team

PRESIDENT

Jake Holloway

hjake@okstate.edu

VICE PRESIDENT

Dustin Simmons

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SECRETARY

Kyle Vandale

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ADVISER

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JR. ADVISER

Paul Weckler

pweckler@okstate.edu

BAE Alum, Christine Altendorf, Shines Bright



Christine Altendorf

In 1981 an excited and nervous freshman from Oklahoma City entered the college of engineering at Oklahoma State University not really knowing what to expect.

Like most other engineering students, Christine Altendorf proceeded through her first two years of general education requirements, but she was still undecided about what area of study she wanted to pursue. Some friends introduced her to the department of biosystems and agricultural engineering. Once she met the friendly staff, she was immediately drawn to the smaller, more personal department. She quickly switched her major from mechanical engineering to agricultural engineering.

While an undergraduate student at OSU, Altendorf worked at the OSU Vet Med Library, in addition to being an active member of the Pi Beta Phi sorority. Upon completion of her bachelor's degree, Altendorf stuck around to pursue her master's degree, which she completed in December 1987. After graduation, Altendorf worked as a research engineer for the department for five years and took courses toward her Ph.D. While working for the department, she conducted research in the areas of soil and water, focusing on soil moisture studies, erosion research and non-point source pollution.

In 1993, Altendorf received her Ph.D. from OSU and left to work as a hydraulic engineer for the U.S. Army Corps of Engineers in Tulsa.

As a hydraulic engineer, Altendorf developed rainfall/runoff models to forecast river and reservoir peak flows for drainage basins throughout Oklahoma and Kansas. After two years, Altendorf began a yearlong developmental assignment in the federal Women's Executive Leadership Program. This adventure took her to Dallas and Washington DC for six months. She worked with the U.S. Army Corps of Engineers Headquarters personnel, attending senior level staff meetings and meeting with the House of Representatives and Senate committees. Altendorf also served as Special Assistant

to the Chief of Engineering for Civil Works while in DC.

In 1997, Altendorf returned to Tulsa and began working as a civil engineer for the Military Design Section. She served as project engineer for the construction of buildings on military installations and worked closely with Army and Air Force personnel. She supervised the section for four months and was responsible for the design of several projects at Tinker Air Force Base in Oklahoma City. One year later, however, Altendorf received a promotion in Kansas City and left Tulsa once again. Altendorf became Chief of the Hydraulics and Hydrology section and worked primarily on flood control, dam safety and levee design for projects located in Kansas, Nebraska and Missouri. She supervised 12 engineers and served as the district project manager for the Upper Mississippi Flow Frequency Study.

Altendorf received another promotion in March 2000, which brought her back to Tulsa working as the Chief of the Civil Works Branch in Programs and Project Management. She is currently responsible for the execution of a \$100 million program, which primarily focuses on flood control, environmental restoration and operations and maintenance of

continued on page 8

BAE Welcomes New Faculty & Staff

Shelley Hollorah
Danielle Dunlap
Rebecca Ostermann
Stewart Reed

Word Processing Operator
Senior Secretary
Lecturer
Research Engineer

and Says Farewell to

Paul Armstrong
Travis Tsunemori
Richard Willoughby
David Gade
Erin Devlin

Assistant Researcher
Research Engineer
Research Engineer
Post Doctoral Fellow
Lecturer

Richard L. Bengston graduated in 1980 with his Ph.D. in agricultural engineering from Oklahoma State University.

Richard was awarded the 1999 Sedberry Award for outstanding undergraduate teaching at Louisiana State University, where he is currently a biological engineering professor.

He received his bachelor's degree at the University of Wyoming in 1966 and his master's degree at the University of Illinois in 1967 both in agricultural engineering. Richard has also served as a field artillery officer in the United States Army.

Floyd Dowell

A biosystems and agricultural engineering alum was recently featured in *Resource 2000 Discover* magazine.

Floyd Dowell graduated with his master's degree in agricultural engineering in 1985 and received his Ph.D. from the University of Illinois in 1988. He is currently working for the U.S. Department of Agriculture in Manhattan, Kansas where he is busy developing sensors to measure food quality.

In addition, Dowell was named the Federal Engineer of the Year by the National Society of Professional Engineers this past year for his work in developing near infrared spectroscopy instrumentation.

Cully Hession

A biosystems and agricultural engineer alumnus was recently featured in *Resource Discover 2000* magazine. W. Cully Hession received his Ph.D. from Oklahoma State University in 1995 and is currently working as an environmental and civil engineer at the University of Vermont.

Hession is involved in a project that centers on the effects of urbanization on stream channels. He intends to measure ecological health by studying water samples at Lake Champlain.

Construction Begins on new Research Facility

Bugs can be a serious problem, especially after harvest where grain is being stored for marketing or planting. Insects damage the nutrient value of the cereal grains. Grain damage lowers prices by effecting the grade of the grain. OSU is working to combat these



Ronald Noyes

problems by constructing a new research and training facility, which will be devoted to maintaining stored grain quality.

OSU's Stored Product Research and Education Center (SPREC) is a research and training facility that will provide grain industry workers and students with hands-on experience and training. It will focus on maintaining stored grain quality, providing technology transfer and education, improving stored product pest management and developing new stored grain technologies.

Dr. Ron Noyes, extension agricultural engineer, has promoted SPREC for the past 10 years. He believes the project is especially important because USDA and University research on grain storage has dramatically declined during the past 15 years.

"This is a unique opportunity for OSU to develop new methods of managing stored grains, and to develop finished product warehousing and packaging materials technology for insect control. It will also allow us to develop, test and demonstrate alternative methods for pest control," said Noyes.

Currently, fumigation methods and sealing bins have proven effective in controlling insects, but with SPREC, researchers hope to get away from residual chemical use and find alternative methods to pest management such as controlled aeration and developing barriers to exclude insects from storage.

Research on sealed storage using vacuum and CO₂ for shipping high value products will be developed.

Construction of SPREC, being funded through a \$480,000 matching grant from the USDA, is expected to begin in October. A groundbreaking ceremony is scheduled for October 11 at the SPREC site to initiate building and facilities construction.

The Center, which includes 54 research bins, a 10 ft. x 70 ft. truck scale and a 60 by 80 foot research building, will be located three miles west of Stillwater on Highway 51, beside the animal science department feed mill.

All bins will be equipped with themistor sensors that will detect temperature changes and allow researchers to monitor insect heat activity. SPREC will be a demonstration and research site for EGPIK technology, electric instrument to detect insects, developed by USDA. EGPIK involves a one inch I.D. tube placed vertically in the storage bin. It counts insects that drop through an infrared beam inside the pipe.

The truck scale with a 1,000 bushel "dump-through" pit under the scale, is also a technological innovation. The scale will allow trucks to weigh with a full load, unload while remaining on the scales then weigh empty before driving off. This process will provide much faster truck dumping. A new mechanical dump pit dust control baffle system is a unique component of the scale that minimizes dust emissions which will make the facility cleaner while demonstrating the technology for visiting elevator managers.

SPREC will be completed by June 2001. The applied research will start immediately with grain storage results expected one or two years later.

For more information about SPREC, contact Dr. D. C. Coston, associate director of the division of agricultural sciences and natural resources at (405) 744-5398, Dr. Ron Noyes at (405) 744-8416 or Dr. Tom Phillips at (405) 744-9408.

Kizer and McCowan Address Well Water Problem

For residents of rural communities, water-well safety has always been a major concern but little has been done to educate the public or combat the problem until now. Water quality specialists LaDonna McCowan and Michael Kizer are working with the Oklahom*A*Syst program to help people identify the risks to their drinking water.

The Oklahom*A*Syst program works to educate private well owners about water wells and drinking water quality. Home*A*Syst concentrates on rural and suburban communities who have private wells but are not involved in

agriculture production. Farm and Ranch*A*Syst is geared more toward farmers and ranchers.

“Many residents of Oklahoma, particularly those in rural, minority communities, do not have the information to help them evaluate risks to their drinking water,” says McCowan.

McCowan and Kizer have been instrumental in clearing up issues dealing with drinking water by conducting seminars throughout Oklahoma. They answer questions and help explain the Oklahom*A*Syst programs.

“The programs also provide residents

with fact sheets and checklists that permit them to determine if their water wells are at risk for contamination due to poor well construction or maintenance, poorly functioning septic systems, improper handling and disposal of hazardous household products and other factors,” says Kizer.

For more information about the Oklahom*A*Syst program or to arrange a seminar, contact your local county extension educator. Oklahom*A*Syst material can also be viewed on-line at www.agen.okstate.edu/waterquality/publicat.htm.

Tractor Team Wins Second at Nationals

The OSU biosystems and agricultural engineering tractor team traveled to Moline, Ill., this past May to compete in the third annual National ASAE Quarter-Scale Tractor Design Competition. Forty other teams from various universities across the nation also competed in the four-day event.

Unlike previous years, the junior team and senior team joined forces this year. The members of the team spent six months working on the tractor and making the necessary adjustments. Their hard work paid off when they won fourth place, pulling 6,600 pounds.

The win was a huge improvement for the senior team members, whose tractor didn't even place last year, yet some members felt like the team could have done better.

“I think we could have placed higher if we had had different tires,” said Jake Holloway, biosystems tractor team co-director. “The tires we used didn't provide enough traction, but we're working on that for next year's competition.”

Members of the tractor team consisted of Jake Holloway, Dustin Simmons, Chad Fisher, Russell Simmons, Adam Bohl, Jason Walker,

Shannon Ferrell, Chris Cross, Travis Tsunemori, Andy Holtz, Kyle Vandale and Stewart Reed. Wayne Kiner served as the adviser.

The competition consisted of several categories including serviceability, manufacturability, safety, design report, oral presentation, tractor pulling performance and most aesthetically pleasing design.

The tractor pull competition is part of the National ASAE Design Competition, which gives students practical experience in the designing and manufacturing of a product to meet determined

design specifications.

Following the national competition, the tractor team placed first at the Payne County Fair and finished first against Kansas State at the Kansas State Fair. A Southern Regional Conference is planned for November 3 at the Animal Science arena. Several teams are expected to run including Texas A&M and Kansas State.

Currently, the tractor team is gearing up for next year's competition. The junior team will modify the previous tractor, while the senior team will start from scratch, designing a completely new tractor. Plans are already underway.



Members of the tractor team include (back, left to right) Jason Walker, Chris Cross, Wayne Kiner, adviser, Travis Tsunemori and Adam Bohl; (front, left to right) Shannon Ferrell, Jake Holloway, Chad Fisher, Andy Holtz and Dustin Simmons.

<http://bioen.okstate.edu>

OSU Graduate, Jack Musick, dies

Oklahoma State University agricultural engineering graduate Jack T. Musick of Amarillo, died March 24, 2000. He was 72 years old.

Services were held at 10 a.m. the following Monday in Paramount Baptist Church with Dr. Gil Lain of the church officiating. Burial was in Memorial Park Cemetery by Schooler-Gordon Funeral Directors.



Jack Musick

Musick was born in Cleveland, Va.

After 42 years as an agricultural engineer with USDA Agricultural Research Service, he retired in 1995. He served with the Army during World War II and was a member of Paramount Baptist Church in Amarillo.

Mr. Musick received his bachelor's degree in agricultural engineering from

Virginia Polytechnic Institute in 1953, followed by his master's degree in agricultural engineering at OSU. After graduation, he began working for the Agricultural Research Service in 1955 at Prosser, Wash.

He then began directing irrigation research at Garden City, Kan., and Akron, Colo., and in 1961 transferred to Bushland as the assistant to the branch chief and as an agricultural engineer.

Mr. Music conducted irrigation and water management research for 34 years at Bushland. From 1966 until 1968, he served as director of the Southwester Great Plains Research Center and served as research leader of the Water Management Research Unit from 1979 until 1993.

Mr. Musick's research emphasized the use of limited irrigation for optimum crop production in the Southern High Plains, where groundwater supplies were in decline. Both his individual and collaborative studies laid the foundation for irrigation management. These studies were crucial in the development of

conserving techniques that have been used to reduce irrigation applications by 33 percent since the late 1960s. He also worked with scientists visiting from China, Turkey and India on irrigation and rooting of wheat.

Mr. Musick has written more than 125 publications, six book chapters and has presented numerous seminars and lectures. He is a member of the American Society of Agricultural Engineers, American Society of Agronomy, Soil Science Society of American, Soil and Water Conservation Society and the American Society of Photogrammetry.

Mr. Musick and his wife, Clara Akers, were married in 1955 at Glade Springs, Va.

His son, George Eric Musick, died in 1961.

Survivors include his wife; two sons, James R. Musick of Amarillo and Mark D. Musick of Corinth; a daughter, Virginia Musick Crockett of Round Rock; a sister, Eloise Musick Smith of Cleveland, Va.; and six grandchildren.

John Deere Distance Education Classroom Dedicated

The John Deere Distance Education Classroom located in Agricultural Hall at Oklahoma State University was formally dedicated June 22nd.

In attendance were over 60 students, staff, faculty and guests. Representing Deere and Company were Gary Barau, Dallas Branch Manager; Jim Lee, Finance Administration Manager, Lenexa, Kan.; Roger Jenkins, Manager Marketing Division, Moline, Ill.; Mike Sand, Manager of Training Programs, Dallas, TX; and Ken Buell, Manager of College Programs, Dallas., TX.

The facility was made possible by a generous gift from John Deere and the support of OSU and CASNR administration.

Dr. Bill Barfield, head of the biosystems and agricultural engineering department demonstrated the room's features including: computer displays, multiple cameras, electronic chalkboard,

Elmo overhead, automated class microphones and live two-way video conferencing.

Dr. Barfield gave special acknowledgment to Marvin Stone, Professor, Mike Veldman, Electronics Technician, and Craig Tribble, Computer Support Specialist, who facilitated the initial planning, design, and construction, and to Charles Gause, Division Marketing Manager, Lenexa, Kan., for developing the initial partnership between Deere and OSU.

Dr. Ed Miller, associate dean for instruction, CASNR, discussed the importance of the facility to introducing students to advanced technology and noted it will expand OSU's reach to enable lifelong learning to students off campus.

Jim Lee expressed Deere's belief in the importance of new technology and challenged the faculty to "wear this

equipment out" in the development of new educational products, while Roger Jenkins told the audience of the important roll OSU is playing in Deere, as evidenced by 36 recent new hires and 33 summer interns.

Fitting the function of the facility, Richard Potts and three coworkers joined the event by two-way video from the John Deere Dallas offices. Richard stressed the importance of live, two-way communication to recruitment and training.

Closing out the event was the keynote speech by Gary Barau.

Gary gave a short overview of John Deere's history and future. He showed how facilities such as this fit into Deere's vision of teaming up Deere and university engineers in research, design and education. It may also provide dealers with the type of support they want; close to home and when they need it.

2000 Scholarship Recipients

INCOMING STUDENTS

Laura Kennedy	BAE Development Fund Scholarship	\$1000
Candice Johnson	BAE Development Fund Scholarship	1000
G.T. Slaughter	BAE Development Fund Scholarship	1000
Jacob Hamburger	BAE Development Fund Scholarship	1000
Ryan Rooker	BAE Development Fund Scholarship	1000
Jeffrey Rother	BAE Development Fund Scholarship	1000
Levi Johnson	BAE Development Fund Scholarship	1000
Mickey Friedrich	BAE Development Fund Scholarship	1000
Jalaima Johnson	BAE Development Fund Scholarship	1000
Kyle Stein	BAE Development Fund Scholarship	1000
Total		\$10,000

CONTINUING STUDENTS

Elizabeth Willoughby	Leon Crain Memorial	\$1500
Shannon Parker	Okla. Municipal Power and Authority	1500
Kyle Vandale	Okla. Association of Electric Cooperatives	1500
Chris Cross	Jay Porterfield	1500
Darcy Landrith	Larry Roth	1000
Jake Holloway	W.B. Johnston	1500
Mary Crawford	OK Grain & Feed	1000
Aaron Bauer	E.W. Schroeder	1000
Chad Fisher	Morgan Beefmaster	1000
Christal Compston	McKay Brothers	1000
Total		\$12,500

The Stork's Nest

This past year was hectic and exciting for two of our employees in the biosystems and agricultural engineering department, who were busy preparing for the births of their babies.

Erin Devlin, a former lecturer, gave birth to a beautiful baby boy, Simon Bear Devlin, on May 3.

One month later, Dani Bellmer introduced her bundle of joy to the world. Collin James Bellmer was born on June 24. Bellmer works as a food engineer and assistant professor.

Christine, from page 4

existing projects. She also acts as the congressional liaison for the district and serves on many selection boards and committees.

Though her career has taken her around the country, Altendorf credits the educational experience she received at OSU with getting her where she is today. Additionally, the friends she made in the department have also played a very important role in her life.

“The courses that I took in school were important and gave me the scientific background necessary for the job, but the people in the department truly helped shape my life. They taught me that I could be in a leadership position and still have fun.”

BAE Wired!

Check us out!

<http://bioen.okstate.edu>

Alumni registration and information about the department, faculty, scholarships, graduate programs and student

Meet the BAE faculty

Environment & Natural Resources



Dan Storm

Associate Professor



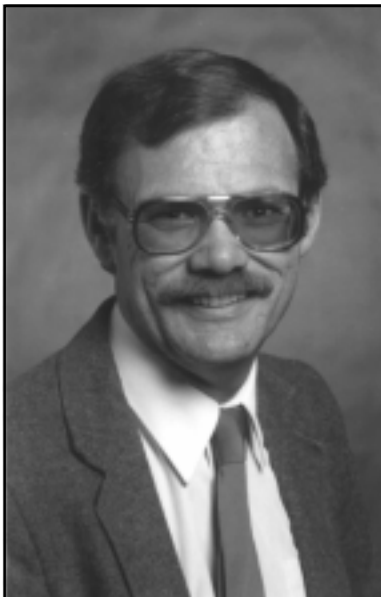
Ron Elliott

Professor



Daniel Itenfisu

Post Doctoral Fellow



Glen Brown

Associate Professor



Tom Haan

Sarkey's Distinguished
Professor

Students in the environment and natural resources option engage in a challenging program of study and in original and innovative research in four main areas: hydrology and hydrologic modeling, irrigation and evapotranspiration, subsurface flow and transport and surface water quality and erosion.

Alumni Success Stories

Donnell W. Brown **1959**

Donnell W. Brown graduated with his B.S. degree in biosystems and agricultural engineering in 1959. Donnell is currently the president and owner of Char Don Builders, Inc. in Chickasha. He has been the owner for 19 years. Donnell is in charge of general management and sales.

Donnell has worked at Midland Ford Tractor of St. Louis in distribution and sales, Preco, Inc. in personnel relations and sales and Hart Building System of Chickasha, Okla. as sales manager.

Donnell has traveled to Germany and Japan and is a member of the American Society of Agricultural Engineering and the Army Reserve. He and his deceased wife, Charlotte have seven children, Don Jr., 43; Catherine, 41; Ann Marie, 39; Thomas, 38; Mike, 36; Jim, 32 and Molly, 30.

Mark Lindley **1994**

Mark Lindley graduated from Oklahoma State University with a master's degree in biosystems and agricultural engineering in 1994. Since then, Mark has worked for Classic Environmental Engineering and most recently joined Philip Williams and Associates working as a hydrographer.

Mark lives in the San Francisco Bay area.

Donald Flasch **1973**

Donald Flasch graduated from Oklahoma State University with a B.S. degree in agricultural engineering in 1959. He received his doctorate in civil engineering from OSU in 1973.

Previously, Donald worked as a hydraulic engineer for the U.S. Army Corps of Engineers and in the U.S. Airforce. He has been self-employed as

an attorney at law for the past 20 years, and his work encompasses environmental law, Chapter 12 farmer bankruptcy and business law.

In his spare time, Donald enjoys playing racquetball and reading. Donald and his wife, Michaelene, have two sons, who are both in college. Donald and Michaelene presently reside in Tulsa.

Robert T. Fairless **1959**

Robert Fairless graduated from Oklahoma State University in 1959 with his bachelor's degree in Agricultural Engineering.

He has worked as the assistant chief of the engineering department for the U.S. Army Corps of Engineers in New Orleans, La., for the past twenty-six years. His job consists of data collection, engineering design, construction and inspection.

Previously, Robert worked as an engineer for the U.S. Forest Service and for other agricultural engineering firms.

In his spare time, Robert enjoys fishing. He and his wife, Jo, live in Louisiana. They have three children – John, Carolyn and Judy.

Vincent Sweat **1965**

Vincent Sweat is a 1965 graduate of Oklahoma State University where he received his master's degree in agricultural engineering. He received his B.S. degree from Kansas State in 1964 and his doctorate in agricultural engineering from Purdue in 1972.

Vincent has taught at Texas A&M for the last 23 years. Previously, he served in the Army and taught at Purdue.

Vincent has spent several years abroad, which included two years in Germany, one year in South Vietnam and three trips to Ireland.

In his spare time, Vincent enjoys playing banjo in a bluegrass band with his wife, Judi, and other colleagues. He also likes to spend time gardening. Vincent and Judi have two sons and one grandson. They live in College Station, Texas.

William C. Olson **1957**

William C. Olsen received his bachelor's degree in biosystems and agricultural engineering in 1975.

He is the owner of the 42-year-old O-Bar Ranch in Cheyenne, Okla. William operates a 2,000-acre farm and ranch. His grandfather homesteaded one hundred sixty acres of the ranch in 1901. He has reduced his farming acreage by planting grass and increasing his cowherd.

William is the husband of Lois Elaine and the father of William Nels, 38. William enjoys traveling and making stained glass windows, lamps and pictures.

John M. Williams **1971**

John M. Williams graduated with his bachelor's degree in biosystems engineering from Oklahoma State University in 1971.

John is currently retired, but he still farms a few acres and cares for a few cows. John said he made his fortune working, but lost it farming.

Roberto Testezlaf **1985**

Robert Testezlaf graduated with his doctorate from Oklahoma State University in 1985. He is currently a full time professor for the soil and water department at an agricultural engineering school in Brazil.

We Want To Know About You. . .

Return this form to *BAE Update*, 111
Ag Hall, Oklahoma State University,
Stillwater, OK 74078-6016

Name _____

Home Address _____

City _____ State _____ Zip _____

Home Phone _____ Fax _____

Business Address _____

City _____ State _____ Zip _____

Business Title _____

Business Phone _____ Fax _____

E-Mail address _____

What year did you get your Biosystems, Agricultural Engineering or MECAG degree(s)?

BS 19 _____ MS 19 _____ Ph.D. 19 _____

Your News Is Good News!

We would like to include you in our "Alumni Success Stories." If you want to participate, please send a letter (or e-mail) to us describing your career (where you work and what you do on a daily basis).

Correction

The spring edition of the *BAE Update* reported only six biosystems and agricultural engineering graduates working for the Tulsa District Corps of Engineers.

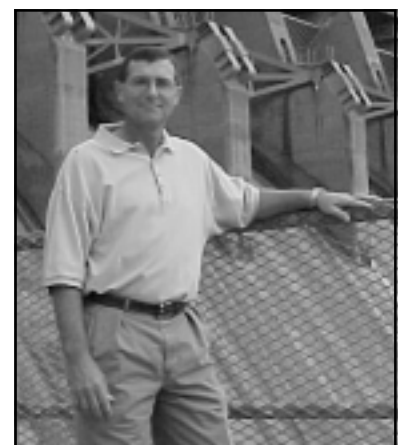
Actually, two graduates were left off that list. Their names are Dan McPherson and Michael Calavan.

Dan McPherson is a 1978 graduate of the department. He is the chief of the Civil Maintenance Support Section of the Operation Division located out of Sallisaw, Okla. He supervises nine field engineers and engineer technicians who

are responsible for maintenance engineering activities for all 38 operating projects in the Tulsa District.

Michael Calavan graduated in 1971 and has worked for the Tulsa District Corps of Engineers for 27 years now. He is currently the Eufaula Area Manager. He is responsible for operations and maintenance of a 102,000 acre lake, 50,000 acres of land area, a hydropower plant, the dam and flood control structure and parks and recreation areas in Eufala.

We apologize for this error.



Michael Calavan

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Mark Your Calendar

Oct. 2-3	Fall Break	Nov. 23-24	Thanksgiving Break
Oct. 13	Homecoming Walkaround	Dec. 11-15	Finals Week
Oct. 14	Homecoming OSU vs. Iowa State Lewis Field	Dec. 15	Fall Semester Ends
Oct. 18	Ag Career Fair	Jan. 16	Spring Semester Begins
Oct. 31	Halloween	March 19-23	Spring Break
Nov. 8	Internship Fair		

BAE Update is published each semester. It informs alumni and prospective students of the activities in the Department of Biosystems and Agricultural Engineering.

We invite you to submit questions, comments, articles, ideas, etc. to:

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