

## Honors and Awards

### Department Award

The Agricultural and Biosystems Engineering Department was the recipient of one of four "Ridge Till Developmental Research Award" at the Fifth National Ridge Till Conference in Sioux City, Iowa on February 11, 1991. The "Ridge Till Developmental Research Award" was given to Iowa State University, University of Missouri, Purdue University and the University of Nebraska in recognition of their role in the development of equipment and the system, education and demonstration of ridge till farming. Edgar V. Collins (deceased) of Iowa State University conceived the idea of ridge farming following a trip through southern United States in 1948. In 1951,

Wesley Buchele, a graduate student of Edgar V. Collins, started a doctors thesis on "Ridge Farming and Plant Root Environment". Dale O. Hull, Professor Emeritus, ISU Agricultural Engineering Extension was very active in promoting the ridge till system of farming in northwestern Iowa.

Accepting the award for Iowa State was Detro Green, Associate Dean, College of Agriculture, Tom Polito, Assistant to the Dean, College of Agriculture, James Gilley, ABE Department Head, Dale Hull, Professor Emeritus, ABE, and Adrian Hull, Research Coordinator, College of Agriculture.

### Undergraduate Scholarships

This year 33 scholarships have been awarded to undergraduate students for the 1991-92 academic year. Twenty-five of these scholarships were awarded at the department level, eight were from the College of Engineering. Approximately 20% of undergraduate students receive scholarships.

Below is a listing of undergraduate scholarship recipients for the 1991-92 academic year:

RECIPIENT	YEAR	HOMETOWN	SCHOLARSHIP
Douglas Allen	SO, AgE	Red Oak, IA	Wessman Memorial
Andy Appleton	SR, AgE	Edgewood, IA	Wessman Memorial
Brian Fischer	SR, AgE	Manchester, IA	J.B. Davidson
Kevin Gaul	FR, AgE	Earlville, IA	Marston Club
Alicia Gilley	FR, AgE	Ames, IA	Wessman Memorial
Lance Golinghorst	SO, AgE	Walcott, IA	Marston Club
Timothy Handorf	SO, AgE	Gladbrook, IA	Wessman Memorial
Margaret Herzog	SR, AgE	Ames, IA	Wessman Memorial
Eric Lang	FR, AgE	Donnellson, IA	Iowa Section ASAE
Kevin Maas	FR, AST	Casey, IA	Wessman Memorial
Amy Mangold	SO, AgE	Ames, IA	Hoerner Freshman
Allen Meek	FR, AgE	Marble Rock, IA	Wessman Memorial
Todd Mente	FR, AST	Tipton, IA	Wessman Memorial
Roger Meyer	SR, AgE	Bluegrass, IA	Hobart Beresford
Edward Mosher	SO, AgE	Prophetstown, IL	Wessman Memorial
Daryl Rober	JR, AgE	Dorchester, IA	3M
Steven Rodgers	SR, AgE	Winfield, IA	Wessman Memorial
Jim Ryken	SO, AgE	Sharon, IA	3M
Jason Schneider	FR, AgE	Akron, IA	Wessman Memorial
Troy Showers	FR, AgE	Palmer, IA	Wessman Memorial
Stephen Siegel	SR, AgE	Bethesda, MD	Cargill
Vincent Steenhoek	JR, AST	Mingo, IA	Wessman Memorial
Todd Steigerwaldt	SO, AgE	Delmar, IA	Iowa Section ASAE
Todd VanHal	FR, AgE	Pella, IA	Wessman Memorial
Brian Wuebker	SR, AgE	Rockwell City, IA	Marston Club
Arlyn Wilcox	SR, AgE	Cleghorn, IA	Wessman Memorial
Chad Zmolek	SO, AST	Urbandale, IA	George W. Catt
			Ag Mechanization

Each year, the Iowa Section of the ASAE has a steak fry for scholarships. This year, it was in the Davidson Hall courtyard on October 3 with 125 people attending. Approximately \$1,000 was raised for scholarships for next year. Many thanks to all who helped make this a successful event!

## ASAE Student Branch Activities

by Roger Meyer, President

Over the past year we have been involved in a wide variety of activities, and have received numerous awards for our achievements in the professional society. The student branch placed first runner-up in the EMI Report that is held between all the Student Branches with less than 30 active members. At the Mid-Central Conference held last March students from Iowa State won the Milers Award for the largest number of students attending the conference. Brian Fischer, a member of the student branch, received one of the highest degrees of recognition as an undergraduate, when he was named Outstanding Agricultural Engineering Student of the Year. More on these awards can be found in the awards section of this newsletter.

The student branch has also been busy during the last year with a variety of service projects. One project involves working with the Iowa 4-H Foundation making safety displays used in showing students in grades K-12 the possible dangers with over turning tractors. The club is currently working on a project that involves modifying toy gravity flow wagons to show the possible hazards with individuals working in grain wagons while they are unloading. In closing, the student branch would like to encourage anyone interested in attending the Annual Spring Banquet to be held on February 15, 1992, at the Starlight here in Ames, to contact either the student branch or the Agricultural and Biosystems Engineering Department.

## Drive Head Over Wheels

Most children killed or injured on farms are victims of machinery accidents. Eighty-two percent involved tractors or other farm machinery, such as augers and PTOs. Tractor operators under age 14 are involved in over nine times as many accidents, per hour of exposure, as those ages 25 to 44. Of all Iowa agriculture accidents, 32% were related to tractor roll overs in 1989.

The display "Drive Head Over Wheels" (DHOW) is a mini safety display that incorporates features that are successful in raising the level of safety awareness. The DHOW display is used to educate individuals on the hazards of driving up a steep slope, when the front wheel comes off the road, and the hazard of backward overturn from the engine torque. The DHOW display contains a remote controlled toy John Deere tractor, instructional packet, and a display board that illustrates the tractor overturn hazards, safety hint, and tractor fatalities in Iowa.

The objective of the DHOW display is the prevention and reduction of fatalities and injuries of both adults and young people. A second objective is the

*Continued on page 11.*

## Our Programs Need Your Support

Hopefully you enjoy keeping in touch with the Agricultural and Biosystems Engineering Department and value the education and memories you accrued while in the department. We too value your support, be it financial or motivational. Several activities in the department would benefit from alumni support:

**Scholarships** The department needs to increase the number and amount of scholarships to attract and retain students as well as meet student financial needs. Kent Stickler, AgM '90 initiated an Ag Mech scholarship in 1990. This is an open scholarship to which additional contributions are welcome. Contributions to AgE scholarship opportunities are also welcome.

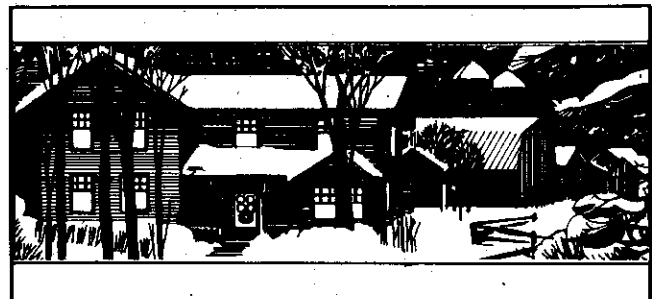
**Laboratory Equipment and Renovation** The department is always trying to improve the educational opportunities for students. Current plans are to create a biomaterials laboratory to be used by courses that work with biomaterials such as grain, oilseeds, soil, forage, wood, water and animal waste. Space for the laboratory will be a 28ft by 39ft area in the north-west corner of Davidson Hall previously used for storage.

**Internship and Coop Experiences** Vic Bekum has been working during his faculty-leave this fall to develop relationships with various industries to provide opportunities for undergraduate students to do internships or coop experiences. The department is always interested in knowing about opportunities for students in these areas.

If you have supported ISU with general gifts, consider specifying your gift to the Department. Check with your company's personnel office to see if your company has a matching gifts program which would extend your gift. Take a moment to consider the educational experiences you encountered here.

Questions or comments may be directed to:

*James R. Gilley  
Professor and Head  
Agricultural and Biosystems Engineering Dept.  
102 Davidson Hall  
Iowa State University  
Ames, IA 50011-3080  
515-294-1434*



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## Recruitment Efforts

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- New full-color Agricultural Systems Technology and Agricultural Engineering brochures are now available.
- Neal Schlautman, adjunct instructor, is devoting 1/2-time effort to managing mailings and contacts of prospective students.
- The four faculty advisors, Carl Anderson, Carl Bern, Mort Boyd, and Duane Mangold continue to contact and meet with prospective students.

If you know of potential students, or have the opportunity to speak about the fields of Agricultural Systems Technology (Agricultural Mechanization) or Agricultural Engineering, give the Department a call and we will be glad to provide recruitment materials for your use.

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## Visiting Professor Program

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The College of Agriculture has conducted a Visiting Professor Program for Iowa high schools during the past two years. The following Agricultural and Biosystems Engineering Faculty are participating in this program:

**Dwaine Bundy**, "Designing Livestock Buildings for Animal Welfare" The livestock industry has been criticized for its methods of confining livestock. Building engineers are working to allow animals to have more freedom while keeping them in confinement.

**Tom Greiner**, "Measuring Heat Flows" A brief description about radon; what it is, where it comes from, how it affects health, how it is measured, and what can be done to remove it from structures. This will be followed by measuring radon levels using a scintillation cell and phototube multiplier.

**Steve Hoff**, "Modifying a Pig's Environment: Issues Related to Comfort, Well-Being and Productivity." Environmental factors such as temperature and humidity can adversely affect the comfort and performance of livestock in confinement. This presentation will describe how engineers evaluate and determine the environment's effect on comfort and productivity.

**Carl Bern**, "Using Electric Motors in Agriculture." A discussion of why electric motors are widely used in agriculture and a hands-on instrumented test of an electric motor. Students will learn about the operating characteristics of electric motors.

**Steve Marley**, "Energy and Environmental Effects of Ethanol Fuels." Does the use of ethanol-gasoline fuel blends, in Iowa and many other states, make sense energetically or environmentally? The energy flows in ethanol production and use plus the effects

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## Drive Head Over Wheels

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*Continued from page 10.*

development of life skills of youth including communication, citizenship and leadership.

This new farm safety educational display is a resource that was produced by Iowa State University Extension from a grant given by the Iowa Department of Agriculture and Land Stewardship to the Iowa 4-H Foundation. Additional in-kind contributions of remote control tractors was provided by Ertl Corporation, Inc. This farm safety project was a joint effort by the youth 4-H development program and the Agricultural and Biosystems Engineering Department. If you would like more information on this display, contact Dr. Charles Schwab, 515-294-4131.

of ethanol on automobile fuel emissions will be illustrated.

**James Baker**, "How Does Agriculture Affect Your Water Quality?" Use of fertilizers and pesticides in agricultural production can result in contamination of surface and groundwater resources. Information on the extent of the problem and what can and is being done about it will be presented.

**James Gilley**, "Designing Environmental Modification for Enhanced Food Production." How to use the physical and biological sciences to design and operate food producing systems that are needed for an ever increasing world population. Concerns about environmental quality will be integrated into the presentation.

**Tom Greiner**, "Do You Fall Asleep During Fourth Period Math? It May Be Air Pollution." Carbon Dioxide (CO<sub>2</sub>), which is given off as people breathe, can cause students to become sleepy during the school day. Ventilation with outside air can keep the levels low. Unfortunately, many buildings have inadequate ventilation systems. A carbon dioxide monitor will be used to determine the CO<sub>2</sub> levels in the classroom and elsewhere followed by a discussion about indoor air quality.

**Carl Anderson**, "Measuring the Energy From The Sun." This will be an exercise designed to illustrate that measurement of solar energy is easily done by measuring the difference in temperature between a white and black surface exposed to the sun's rays. Students will participate in taking measurements and determining the energy balance on a surface. They will learn the basic principal which make these calculations possible. Examples from everyday life will be included.

## Faculty Travels

### INTERNATIONAL TRAVELS

**Mort Boyd** attended the 37th Annual National Association of Colleges and Teachers of Agriculture (NACTA) Conference in Edmonton, Alberta, Canada, June 16-19, 1991.

**Tom Colvin**, attended the International Conference on Agricultural Engineering held in Berlin, Germany October 24-27, 1990. He presented a paper on energy use differences between tillage systems for crop production. Following the meeting, Colvin visited colleagues at the University of Padua, Italy, to discuss computer models and to predict times that farm machinery can operate on fields. Tom also visited Leningrad (St. Petersburg) USSR; July 12-26, 1991, to work on cooperative research with the Agrophysics Institute.

**Don Erbach** travelled to South Korea November 25-December 1, 1990, to consult about soil and tillage research and agricultural mechanization. Don also attended the International Agricultural Engineering Conference and Exhibition in Bangkok, Thailand December 1-8, 1990. He attended the International Agricultural Mechanization Conference in Beijing October 13-November 5, 1991. On this trip Don participated in the Office of International Cooperation and Development (OICD) sponsored scientist exchange to study low energy mechanization principles to enhance sustainable agriculture.

**James Gilley** traveled to Portugal as part of his role as technical adviser to a NATO sponsored irrigation research project; May 11-25, 1991, and November 5-20, 1991. He also continued work on joint research project with the Catholic University of Leuven Belgium with visits to Belgium as part of his trip to Portugal.

**Ramesh Kanwar** was invited to teach a graduate level course on drainage engineering at the Catholic University, Lueven, Belgium, January 1-23, 1991. Ramesh was also invited to give a seminar to the faculty of Ag Engineering, University of Portugal, Lisbon, April 15-22, 1991. He presented a paper at the International Environmental Conference in Lisbon, Portugal.

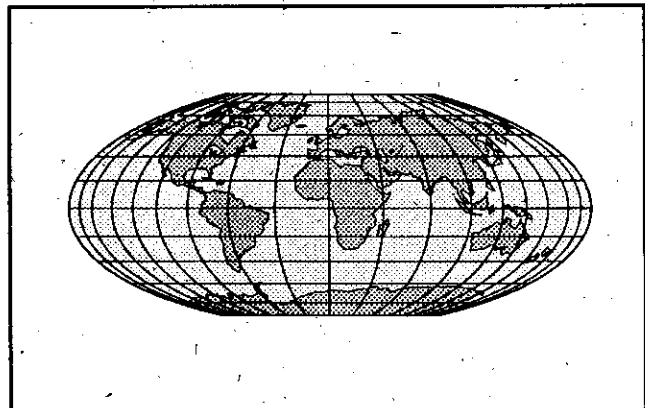
**Larry Van Fossen** represented the department and the ISU International Agriculture Professors at the inauguration of ISU-CICET (Iowa State University-Centro Interamericano De Ciencia, Education Y Tecnologia) in Costa Rica March 9-16, 1991. ISU-CICET has been established to encourage mutually beneficial projects such as student and faculty exchanges and technical assistance between Iowa State and Costa Rica and other Central American countries.

### FACULTY IMPROVEMENT LEAVES

**James Baker** spent from the end of October 1990 through April 1991 on a faculty improvement leave at the National Soil Erosion Laboratory on the Purdue University campus in West Lafayette, IN. While there, he had the opportunity to perform a rainfall simulation column study on the effect of localized compaction on reducing chemical leaching. By compacting the zone of anion injection relative to a surface application without compaction, he was able to show a reduction in leaching with four inches of rain from about 40% of that applied to less than 10% of that applied. Follow-up studies are in the works.

He also had the opportunity to do some "catch-up" writing, take a course in crop physiology, do a little traveling (e.g., visiting alums and Departments at Florida and Penn State), and see a Big-Ten university in action. And of course by being housed in the Erosion Lab he was able to interact with the ARS personnel there including John Laflen, former Ames resident and USDA collaborator at Iowa State.

**Victor Bekkum**, has been on faculty leave fall semester conducting a national study of agricultural businesses and industries. The project involved a two-month travel tour to Penn State University, Clemson University, Sam Houston State University, University of Arizona, Utah State University and the University of Minnesota. In addition to visiting with the faculty at each of the universities and presenting a seminar, Dr. Bekkum conducted personal interviews with human resource managers from over 65 businesses, industries and governmental agencies gathering information about the types of experiences employers value in college graduates as well as educational requirements for the future. During the month of August, Bekkum also completed a mailed questionnaire survey designed to collect additional data concerning the experience and educational needs of agricultural businesses and industries. The information will be used to provide direction for the Agricultural Systems Technology curriculum as well as other curricula in the College of Agriculture.



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## International Visitors

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Professor Manfred Estler from the Institute für Landtechnik in München, Germany, visited the Department March 27 and the Soil Tilth Lab on March 28, 1991.

Professor Jose De Baerdemaeker, Catholic University, Leuven Belgium, visited the Department June 12-19, 1991. He was here to explore possibilities for a sabbatical leave.

Professor Richard Godwin, Silsoe College, United Kingdom, visited the department June 11-14, 1991, to find out about research activities prior to the International Summer ASAE meeting. Professor Godwin is an ASAE Interim International Director-Elect. Stu Melvin met Professor Godwin during his faculty improvement leave to the United Kingdom.

Dr. Andrei P. Shcherbakov, Dr. Victor M. Volodin, Dr. Alexander G. Tarariko, Ms. Elena Polushkina, were part of an ISU/VASKhNIL Exchange visit June 18-28, 1991. Several faculty in the department had the opportunity to discuss mutual interests in environmentally-sound agriculture on June 19 with these four visitors.

Professor Henrik Have, Jordbrugsteknisk Institut in Denmark visited the Department and the National Soil Tilth Laboratory August 1, 1991.

Valentin Kryaznikov, Director All Union Institute for Mechanization of Agriculture in Russia visited Iowa State October 17-21, 1991. Jim Gilley escorted him on his 3 day visit. He visited with Manjit Misra, Steve Marley and Stu Melvin in the Department.

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## Alumni News .....

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### 1930's

**Bryon A. Giles, BS '39**, has retired from Union Pacific Railroad and lives in Omaha, Nebraska. He has a daughter in Minnesota, a son in Cedar Rapids and two grandchildren in college.

### 1940's

**James P. Stafford, Jr., MS '40**, retired in May, 1986, as Chief, Construction Division, U.S. Army Engineer District. James resides in Vicksburg, MS, and is active in community and professional organizations. He has one son and two daughters. We were saddened to hear his wife, Edna Earle, died November 21, 1990.

**Harry E. Tullis, BS '48**, retired in 1975 after 30 years of service to the U.S. Forest Service. Harry was assistant director of engineering for the Intermountain Region. Harry lives in Ogden, Utah, and is active in retired forest service oldtimers and in church offices. He married Elizabeth Wood and has two daughters.

**Amarendra C. Pandya, MS '49**, is chairman of the advisory committee for ASPEE Research Institute in Bombay, India. He serves on numerous committees and councils.

### 1950's

**Jimmy D. Myers, BSAE '50**, is retired after 40 years of service as staff engineer in component development at the Caterpillar Technical Center at Peoria, Illinois. Jimmy now lives in Morton, Illinois.

**Frank Barickman, BS '51**, is retired. He was an Illinois farmer for 39 years and presently lives in Bonita Springs, FL.

**Glenn O. Schwab, PhD '51**, is a Professor Emeritus at Ohio State University. He is preparing 4th ed of text "Soil and Water Conservation Engineering" which will be published in 1992. Bill Elliot and Del Fangmeier have been added as new authors.

**Roger J. Jacobson, BSAE '52**, is Chairman of the Board, Caterpillar MHI Marketing Ltd in Tokyo, Japan. Roger and his wife, Lois E. Wilson Jacobson, have lived in the U.S., India, Canada, Switzerland and Japan during a 39 year career with Caterpillar. They have three children--two ISU grads and one U of I grad.

**Wendell VerPloeg, BSAE '55**, is Manager-Engineer Research and Development with Ford New Holland. Wendell has been a recruiter at Iowa State for Ford New Holland. He has two sons, and lives in West Bloomfield, Michigan.

**Jerry Henderson, BS '56, MS '58**, is a Professor of Mechanical Engineering at the University of California, Davis. Jerry has been teaching and researching at UC Davis for 29 years. He has two married sons and one grandchild.

**Alvin Klouda, BSAE '58**, is a Staff Engineer with Rock Island Arsenal, Army Material and Chemical Command in Rock Island, IL. Alvin retired from Deere and Co. in 1984 after 26 years and started his 2nd career at the Rock Island Arsenal. Alvin lives in Moline, IL.

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## Alumni News .....

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### 1960's

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**Alfred Utesch**, BSAE '60, is president of CSM Corp. in Argyle, Texas. He has received the ASHRAE Fellow and Distinguished Service Award. He serves on the Board of Directors of Upper Trinity Regional Water District, Argyle Water Supply Corp. and North Texas Association of Energy Engineers.

**Gerald E. Rehkugler**, PhD '66, is Associate Dean for Undergraduate Programs in the College of Engineering and Professor of Agricultural and Biological Engineering at Cornell University in Ithaca, NY. Gerald is responsible for leadership of undergraduate education of the College of Engineering.

**John N. Lawyer**, BS '68, is president and owner of Lawyer Nursery, Inc. in Plains, MT. Lawyer nursery is a major wholesale nursery with accounts in 49 states and 35 foreign countries.

### 1970's

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**Stuart O. Nelson**, PhD '72, is a research agricultural engineer with the U.S. Department of Agriculture, Agricultural Research Service at the Russell Research Center in Athens, GA.

**George E. Ayres**, PhD '73, operates Fresh-Ayr Farm, a dairy and field crops farm, in Shortsville, NY. Recently moved from Orange County, NY, where they sold the Ayres family homestead farm. George has been elected to the Ontario County Extension Association Board of Directors and is chairman of the ag programs advisory committee.

**Terry Boote**, BSAE '74, is a farm manager at Donsons Farms (a family owned dairy/swine/coop farm). He and his wife, Bette, live in Hull, Iowa and have 3 daughters, Megan, Courtney and Abbie.

**Brian E. Carlson**, BSAGM '76, is a Construction Engineer with Fort Dodge Laboratories. He and his wife, Patty, and daughter, Maria live in Fort Dodge, IA. Brian previously owned and operated a general contracting company specializing in home repair and remodeling.

**Wayne Tiffany**, BSAGM '77, is a Planning and Performance Engineer with Deutz-Allis (AGCO) in Independence, MO. Wayne states he was promoted because of his ability to do anything that's needed from design to production to field work and construction service. Son Joshua William was born 6/9/91.

**Jill C. (Randall) Hoffer**, BSAE '78, is a marketing representative, Archer Daniels Midland Company Biochem Division. Jill lives in Decatur, IL, has three daughters and is active in community associations.

**Jerry L. Wille**, BSAE '73, ME '78, is President and Agricultural Engineer for Curry-Wille and Associates, Consulting Engineers in Ames, IA.

**Martin Cleveland**, BSAE '78, is a Construction Engineer/Flood Control Projects with Papio-Missouri River Natural Resources District in Omaha, NE. Martin obtained his MS in Civil Engr from the University of Nebraska, Lincoln. He received the 1989 Young Engineer of the Year Award from the Eastern Chapter of the NENSP (National Society of Professional Engrs.) Martin serves as an officer in the Nebraska Chapter of the American Public Works Association.

**Steve Kimes**, BSAE '77, MSAE '79, is an engineering manager for Louis Dreyfus Corp. in Overland Park, KS. Steve received an MBA in 1988. He lives in Olathe, KS, where he is on the board of directors of the Olathe Optimist Club and the First United Methodist Church. Steve is a member of the education committee of the Grain Elevator and Processing Society.

**Robert Ruehling**, BSAE '79, is a structural engineer with Structural Engineering Services in Visalia, CA. Robert received his MBA degree from UCLA in 1986 and his California Structural License in 1990.

### 1980's

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**John K. Skerritt**, BSAGM '80, is a soil conservationist with the USDA Soil Conservation Service in Ames, IA. John has been assigned to the 1992 National Resources Inventory (NRI) Data Collection Team for the State of Iowa.

**Mike McClannahan**, BSAGM '80, is a senior programmer/analyst with House of Lloyd in Grandview, MO. He and his wife, Marilyn, had their first child, Michael Alan, Jr., 10/15/90; they live in Kansas City, MO.

**Scott Otto Stamy**, BSAGM '80, is a territory sales rep with Bush Hog Mfg and Kewanee Farm Equipment. Scott serves on the University of Missouri Audrain County Extension Council. He, his wife, Terri, and daughter Celinda live in Mexico, MO.

**Thomas Deardorff**, BSAE '80, is a Lt Col in the US Air Force/Air National Guard working for the National Guard Bureau, Fighter Programs Branch in the Pentagon. He recently moved to Tucson, AZ, where he will head a new detachment to the Arizona Air National Guard and will be training foreign pilots in the F-16 aircraft.

**Nigel Wit. Quinn**, MS '81, is a staff scientist at Lawrence Berkeley Laboratory in Berkeley, CA. Nigel is working as a consultant to the US Bureau of

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## Alumni News .....

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Reclamation on surface water and groundwater modelling projects. Position based at UC Berkeley. Niegel lives in Sacramento.

**Dave Borkowski**, BSAGM '81 is a sales engineer for Interstate Industrial Instrumentation in Davenport, IA. Dave lives in Camanche, Iowa.

**James Maier**, BSAGM '81, is working as a manufacturing manager for Avery-Dennison in Cincinnati, OH.

**Jerry Reith**, BSAE '82, works for Archer Daniels Midland as a Power Plant Superintendent in Des Moines, IA. Jerry lives in Sheldahl.

**Richard L. Fredrickson, Jr.**, BSAGM '83, graduated in May 1990 with DVM degree and in December 1990 with Masters in Toxicology. Currently in private practice in Canton, IL.

**Clyde W. Tiffany**, BSAGM/Agron '83, is an area agronomist working with technical service for Pioneer Hi-Bred International Inc., North American Seeds Division, North Central Sales. Clyde has worked 8 years in south-central MN dealing with sales reps and farmers to solve problems in agronomic practices. Clyde and his wife, Nancy have two daughters and live in North Mankato, MN.

**Mike Witmer**, BSAGM '84, works for Living History Farms as the 1900 Farm Site Supervisor. Mike is responsible for the operation and maintenance of the turn-of-the-century farming exhibit. This includes 25 acres of corn, oats, and hay using draft horses and early 20th century technology. Mike lives in West Des Moines.

**Bradley Rastall**, BSAGM '84, is a water resource technician for the Denver Water Department in Denver, CO. He is presently working toward a second

B.S. in Civil Engineering at Metropolitan State College of Denver.

**Paul T. Farrell**, BSAGM '85, is a District Sales Representative for Tennent's Minneapolis Regional Office. Paul lives in Des Moines, IA.

**Jolene (Becker) Geary**, BSAE '85, Works for Boyle Engineering Corporation in San Diego, CA as a Assistant Engineer II. Married Steven Geary in July 1985, daughter Brittany Joy born November 1989. Jolene is a member of SWE (Society of Women Engineers).

**Scott Hafemeyer**, BSAE '85, is a plant engineer with Cargill, Inc., Flour Milling Division in Mankato, MN. Scott lives in Faribault, MN.

**Matt Decker**, BSAE '86, works as a project engineer for Koehring Cranes & Excavators in Waverly, IA. As a project engineer Matt is responsible for the design and development of crane chassis and drive trains. He and his wife Kirsten live in Cedar Falls, IA.

**Jeff Odem**, BSAGM '86, is Senior Coordinator Shift #3 Processing Department for Weaver Popcorn Co., Inc. in Van Buren, IN. Jeff married Jill Rensberry in 1988; they reside in Marion, IN.

**Carl D. Orr**, BSAE '88, is employed by Procter and Gamble as a Process Department Manager in Greenville, SC. Carl was recently promoted to Department Manager, Chemical Processing Department. The plant where Carl works manufactures OTC pharmaceutical drug products.

**Jeff Lubben**, BSAE '88, is a design engineer for Clark Material Handling Corporation in Lexington, KY. Jeff was appointed to a quality improvement team after serving as new product design engineer.

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## Bulletin Board

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The Iowa State Daily is available in a special alumni subscription. The Friday issue plus the added feature of a "Week in Review" section which will list the headlines and a small description of the big stories of the week is now available to alumni. The subscription option is available for \$15.00 for 30 issues starting at the end of August through the middle of May. To order your subscription or to check on costs of a partial year subscription call 515-294-4123.

The annual spring awards banquet will be held at the Starlight here in Ames on February 15, 1992. The event will start at 11 AM with the banquet beginning

at noon. If you are interested in attending please contact the student branch or the Agricultural and Biosystems Engineering Department at 515-294-1434.

This *Davidson Dispatch* is a publication of the Agricultural and Biosystems Engineering Department, 102 Davidson Hall, Iowa State University, Ames, IA, 50011-3080; (515) 294-1434.

Coordinator: Connie Petrich  
Graphics and Layout: Nita Upchurch

## Keep Us Current

Please clip out and return, so we can keep updated on alumni happenings.

### Where you live:

Name: \_\_\_\_\_ Year graduated \_\_\_\_\_

Home address: \_\_\_\_\_ Degree received \_\_\_\_\_

City \_\_\_\_\_ State or Country \_\_\_\_\_ Zip \_\_\_\_\_

### What you do:

Business title / profession \_\_\_\_\_ Phone \_\_\_\_\_

Company / institution \_\_\_\_\_

Division / address \_\_\_\_\_

City \_\_\_\_\_ State or Country \_\_\_\_\_ Zip \_\_\_\_\_

### News about you:

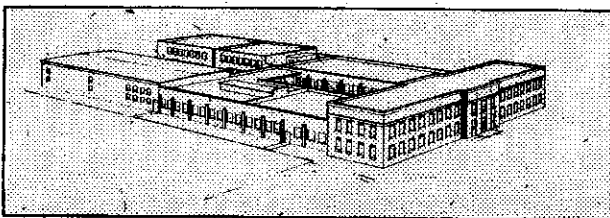
(community service, board memberships, professional honors, career activities, family information)

### Comments/Suggestions on Alumni Newsletter:

### Return to:

James R. Gilley  
Agricultural Engineering Department  
Iowa State University  
Ames, Iowa 50011-3080

*Thank You!*



Agricultural Engineering Department of  
Iowa State University