FACTS ABOUT EMPLOYMENT

Reports from placement services and the press notwithstanding, agricultural engineering graduates at all degree levels are finding challenging and rewarding employment opportunities. Starting salary figures over the last three years have remained essentially constant. Also, contrary to many reports, the demand for agricultural engineers completing or holding a doctor of philosophy degree is particularly strong. Based on the best information available to the Department, we have only one graduate who might properly be classified as unemployed. We should not allow exaggerated and untrue employment reports for engineers to cool our enthusiasm for recruiting highly qualified young men and women for the agricultural engineering profession. Well trained, highly qualified individuals in the physical and engineering sciences are needed in the agricultural and biological areas. There is little evidence that this need will diminish. On the contrary, a strong case can be made for an increasing demand.

The Department does have a continuing problem of relating employment opportunities to alumni who might be interested in considering them. This involves communications, and your cooperation is needed in realizing a solution. Keep in touch!

ALUMNI NEWS

Gary D. Bubenzer '70 is an assistant professor in the Agricultural Engineering Department at the University of Wisconsin, 460 Henry Mall, Madison 53706. He reports that his research relates chiefly to wind erosion.

In May, 1970, Willem F. Brutsaert '67 completed the requirements for the Doctor of Philosophy Degree in Civil Engineering at Colorado State University, Fort Collins. The following month, Willem and his family renewed acquaintances and toured in Belgium. In July, 1970, he accepted his present position on the academic staff of the New Mexico Institute of Mining and Technology in Socorro, New Mexico 87801. He reports having seen Don D. Jones, '66 and '67, recently in Las Cruces.

James L. Smith '61 is an associate professor in the Department of Agricultural Engineering at Colorado State University, Fort Collins 80521. Jim completed his doctorate in May, 1971, at the University of Minnesota. One of his major research interests is in orchard environment.

Ronald L. Clayton '69 continues his assignment with the Ford Motor Company. He lives at 6617 Yale, Apartment 521, Westland, Michigan 48185. He is making good progress toward achieving a master of science degree from the University of Michigan, Ann Arbor.
Douglas L. Bosworth '64 reports on the status of several Agricultural Engineering Illini associated with the John Deere Plow and Planter Works. Doug is division engineer in the Disk Harrow Division. He lives at 4432-37th Avenue, Rock Island, Illinois 61201. Perry Bolhous '58 is an engineer in the Planter Division. Gordon Salley '68 is a senior engineer in the Planter Division. Roger Curry, '65 and '70, is an administrative engineer.

S.H. Woodward '38 visited the Department recently. He is chief methods engineer, John Deere Ottumwa Works, Ottumwa, Iowa 52501.

Richard J. Godwin '70 was also a recent visitor. In addition to the information reported in the July 28, 1971, Newsletter, Dick is involved in an extensive research project at the National College of Agricultural Engineering at Silsoe, Bedford, England, relating to the fundamental behavior of very narrow tines working in soil. He holds an industrial fellowship sponsored by Calon Farm Services, Ltd., a firm solely responsible for the application of anhydrous ammonia within the United Kingdom. Dick's recent visit was in connection with a three-week study tour of the United States, sponsored by the British Universities Student Travel Association and Calon. During the tour, Dick was particularly interested in tillage research, soil-bin projects and research procedures, problems related to ammonia-applicator knives, and new developments in the use of anhydrous ammonia for agricultural purposes.

John D. Hendrick '67 visited in the Department on September 10. John has completed two years of course work toward his doctorate at Colorado State, with a major in hydrology and water resources. He is presently associated with the Bureau of Reclamation in Denver, working on the hydrologic and water-resources modeling of the Colorado River Basin.

Lloyd W.J. Holmes '71 is an engineer in the Industrial Division of the Pollution Control Branch, Province of British Columbia. His mailing address is 1808-647 Michigan Street, Victoria, B.C., Canada.

Robert D. Carlson, '67 and '68, is employed by the Caterpillar Tractor Company in Aurora. He is also active in musical circles, serving as the leader of a singing group from the Calvary Baptist Church in Naperville. The group recently entertained at the Full Gospel Business Men's Fellowship Dinner held at the Westview School in Champaign.

Word has been received from Robert W. Harper, '66 and '67. Bob is bouncing around the world so much that the only meaningful address he can give is that of his parents: R.R. 1, Mansfield, Illinois 61854. He is a Captain in the U.S. Air Force, and is a helicopter pilot. He plans a stateside leave soon, and expects to visit the Department then.

A NEW AND INTERESTING TECHNIQUE

The first Extension farm tour using the new Cooperative Extension TeleNet system was held on September 2. Almost a thousand people gathered at the 21 TeleNet sites throughout the state to participate. The Gehlbach Pork Farms near Lincoln, Illinois, and the K.N. Comer and Son Farm near Casey were visited, using color slides and live narration. Both are top pork farms in the Farm Business Farm Management Association. The effectiveness of the TeleNet system was demonstrated by showing overall aerial views, closeup details, and prepared diagrams, which are not normally possible for the people to see when actually touring a farm. A very active question period followed, covering many details. The TeleNet system clearly demonstrated its capability
to connect the 21 locations for a question-and-answer discussion of benefit to all. Many commented that they saw far more attending the TeleNet tour than if they had actually visited the farms.

The Gelbach Farm consists of 280 acres and produces 800 litters annually. The Comer Farm is a 600-acre one that involves 120 litters per year, plus 400 to 600 feeder pigs.

STAFF NOTES

Professor A.J. Muehling '50 attended the First National Symposium on Animal Waste Management held at Warrenton, Virginia, September 28-30. The symposium was cosponsored by the U.S. Department of Agriculture, the Environmental Protection Agency, the Council of State Governments, and the National Association of State Universities and Land Grant Colleges. Muehling presented alternate swine waste-management systems for pollution control to the two-hundred researchers, Extension leaders, federal and state officials, regulatory officers, and farm leaders present. The symposium participants were divided into workshop groups to develop animal waste-management proposals concerning research needs, legislation, regulation enforcement, technical and financial assistance, and ways to accomplish environmental objectives without placing undue hardships on producers. The recommendations of the group will be made available to the Congress, state and federal agencies, farm organizations, and the public.

Your correspondent attended the Thirty-Ninth Annual Meeting of the Engineers' Council for Professional Development, held at the Jack Tar Hotel in San Francisco, October 3-5. I was completing my second and last three-year term on the Board of Directors. It was a very interesting assignment. ECPD has many functions and programs, but the study of engineering curricula in terms of accreditation is the best known responsibility and is generally considered to be the most important one. The American Society of Agricultural Engineers is one of thirteen participating bodies within ECPD.

Largely through the good work of Professor Ralph C. Hay, the Department is sponsoring a Miller Lecturer this semester. He is Albert A. Thornbrough, president, Massey-Ferguson, Ltd. Mr. Thornbrough delivered two lectures on campus on October 15. He has achieved eminence in both educational and business circles. He graduated from Kansas State University with high honors and served as a Henry Lee Memorial Fellow in economics at Harvard University. Mr. Thornbrough has served as President of the Farm and Industrial Equipment Institute and Chairman of the FIEI Board. Among his many positions and honors, he presently serves as Vice-Chairman of the Board of Governors, University of Guelph; Director of the Canadian Imperial Bank of Commerce; Director for the Argus Corporation, Ltd.; and a member of the Toronto Advisory Board, Crown Trust Company.

Dr. Roger R. Yoerger presented testimony at the United States Environmental Protection Agency hearings held in Denver, Colorado, September 30 and October 1, regarding the noise associated with the operation of agricultural and recreational equipment. The public hearing was one of eight to be held on specific noise problems by the EPA, Office of Noise Abatement and Control, as required by the Noise Pollution and Abatement Act of 1970.

COMING EVENTS

1. Farm Structures Day, November 18 in Peoria.
3. Winter Meeting, ASAE, December 7-10, Sherman House, Chicago.
ENROLLMENT PICTURE

Once again, the corridors of the Agricultural Engineering Building are crowded with students. This movement combined with the operation of tractors, machines, and laboratory equipment makes for a rather unfavorable acoustical index. But the condition is really a welcome one. A total of 95 undergraduate students make up the Agricultural Engineering group for the fall semester—17 freshmen, 22 sophomores, 29 juniors, and 27 seniors. This is a decrease of 14 compared to this time last year. Class enrollments for engineering students total 117; those for nonengineering students, 164.

Frank B. Lanham