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Animal Science Newsletter, Fall 1987

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ANIMAL SCIENCE NEWSLETTER

Animal Science Dept., Lincoln, NE 68583-0908. Phone: (402) 472-3571

Fall 1987

University of Nebraska-Lincoln

NEW ANIMAL SCIENCE COMPLEX CONSTRUCTION

Faculty, students and staff in the Department are enthusiastically looking to completion of the new animal science facilities. Construction begun in May, 1985, will be completed in October. About 65 percent of the project is finished and has been occupied by the Department.

The animal science complex, which will be called **Animal Sciences**, connects to and spreads to the east of Marvel Baker Hall and Loeffel Meat Laboratory. These older buildings are being renovated with new labs, carpet and paint and will retain their names as part of Animal Sciences. As fall semester began, faculty, staff and graduate students reoccupied the remodeled second floor of Marvel Baker, and those in Loeffel Meat Lab and Mussehl Hall moved from their old offices into the new facility. Renovation of Loeffel and the first floor of Baker Hall is still in progress.

When completed, Animal Sciences will combine teaching labs and classrooms for 300 to 400 undergraduate students, space for about 75 graduate students and offices for 40 faculty. Areas for research, chemistry labs and animal housing will be available for the ruminant nutrition, monogastric nutrition, physiology, animal breeding and genetics and meat science research groups. Enthusiasm is high among faculty, staff and students as we begin to use the new facilities.

An official dedication and open house is being planned for late spring, 1988, when the facility is finished and working smoothly. Watch for an announcement of the date for the dedication.

IANR OPEN HOUSE OCT. 8, 1987

This provides an excellent opportunity to tour the facilities and discuss current research projects.

"Focus on the Future" in agriculture and home economics is the theme for the open house scheduled from 10 a.m. to 8 p.m. It is designed to show facilities and changes occurring on East Campus and see how the various programs and activities relate to the needs of modern society and opportunities for the future. Exhibits and tours will emphasize developing our natural and human resources, using new technology in producing and processing food and improving the quality of life.

The headquarters for the Open House will be the East Campus Union. There will be departmental displays and tour information at this central location.

The Animal Science Department will be hosting tours of the new Animal Science Complex during the day. Construction will still be in progress, but we plan to tour through the new laboratory, animal housing areas, classrooms, meat laboratory, and student commons area. We extend a sincere invitation to all to come and see this investment in the future. We believe you will be impressed and pleased with the Department's new look.

FACULTY AND STAFF NEWS

Faculty Recognition

This past year, 11 faculty members were recognized for their contributions and accomplishments in their respective fields of expertise. Their recognition came from several sources including the University, national pro-



University of Nebraska, Institute of Agriculture and Natural Resources, Animal Science Department



fessional societies, honor societies and industry associations or firms. Recipients and their awards were as follows:

- Dennis Brink** - Received the Midwest American Society of Animal Science Young Teacher Award
- Don Clanton** - Was made an Honorary Fellow of American Society of Animal Science
- Jim Gosey** - Was recognized by the Beef Improvement Committee of the Nebraska Stock Growers for his contribution to Beef Cattle Improvement
- Paul Guyer** - Was recognized by the Cornhusker Beef Council for his contribution to the Council
- Rodger Johnson** - Received the Walnut Grove Livestock Service Award, the Nebraska Gamma Sigma Delta Research Award and was appointed Journal of Animal Science Breeding & Genetics Section Editor
- Steve Jones** - Was the recipient of the Poultry Science Association Research Award

- Terry Klopfenstein** - Was elected President-Elect of Midwest American Society of Animal Science
- Don Kubik** - Was the recipient of the University of Nebraska Distinguished Educational Service Award
- Ernie Peo** - Received the 1987 Burlington Northern Faculty Achievement Award
- Tom Sullivan** - Was elected to the Nebraska Poultry Industries Hall of Fame
- John Ward** - Received the American Forage & Grassland Council Merit Certificate

Staff Recognition

- Don McClure** - Manager of our Sheep Unit at Mead, received the IANR Outstanding Managerial Professional Employee Award

Graduate Student Recognition

Graduate students received several awards for their excellence in graduate studies or research as follows:

CALENDAR OF EVENTS

Oct. 6	Gudmundsen Sandhills Laboratory Field Day, Whitman, 12:30 p.m.
Nov. 11	Block and Bridle Little Ak-Sar-Ben, Animal Science Complex, Lincoln
Nov. 13-14	Sheep Symposium, Chadron, Elks Club
Nov. 29 - Dec. 1	Nebraska Livestock Feeders Association Annual Meeting, Kearney, NE., Holiday Inn
Dec. 8-10	4-State Range Beef Cow Symposium, Cheyenne, WY., Little America Motel
Dec. 8	4-State Cattle Conference, Marysville, KS
Dec. 9	4-State Cattle Conference, Shenandoah, IA
Dec. 9	Feedlot Health & Management Seminar, Cozad
Dec. 10	Feedlot Health & Management Seminar, Scribner
Jan. 8-9	Nebraska Pork Producers Association Annual Meeting, Grand Island
Jan, Feb, & Mar	Whole Hog Days as follows: Jan. 22 Wahoo, Eagles Hall Jan. 26 Mirage Flats, St. Peter's Lutheran Parish Hall Jan. 27 Grant, American Legion Hall Jan. 28 Sargent, Oscar's Palladium Feb. 23 Beatrice, 4-H Building Feb. 24 Kearney, Extension Building, Fairgrounds Feb. 25 York, Camelot Inn Mar. 2 West Point, City Auditorium Mar. 3 Creighton, City Hall
Feb. 10	Nebraska Pork Producers Association Awards Banquet, Columbus
Feb. 10-11	Nebraska Pork Industry Exposition, Columbus, Agricultural Park
Mar. 9-10	Nebraska Poultry Industries Convention, Columbus, New World Inn
Mar. 23-25	County Fair Livestock Judging Clinic, Lincoln, Animal Science Complex
Apr. 23	Block and Bridle Honors Banquet, Lincoln

National Feed Ingredients Association Scholarships - Blaine Hansen and Terry Radke
Widaman Trust Scholarships - Ronnie Green, Tom Long, Mark Roberson and Todd Stumpf
Arthaud Memorial Travel Fellowship - Mike Lewis, Steve Neal and Larry Roth
Mussehl Scholarship - Auday Maki

NEW FACULTY

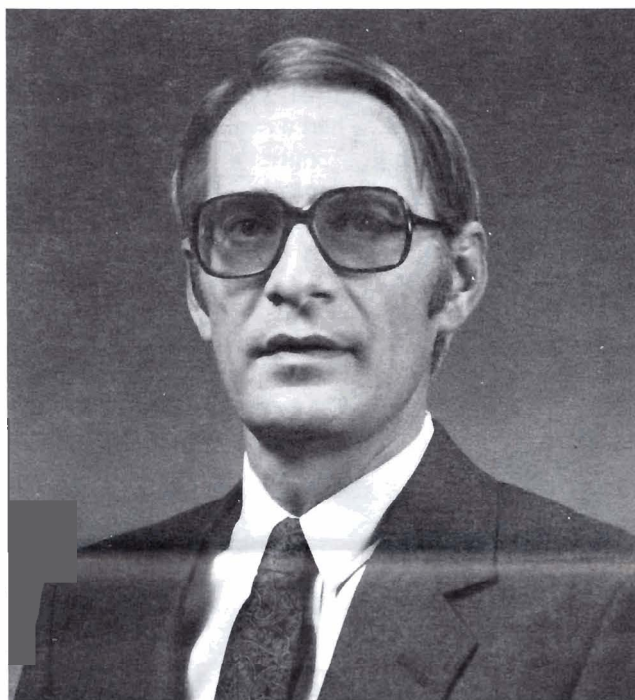
Edgar Clemens was transferred from the Department of Veterinary Science to our Department effective July 1. Edd is a native of Illinois who received his B.S. from Illinois in 1966, his M.S. from New Mexico in 1968 and his Ph.D. from the University of Nebraska Interdepartmental Nutrition Program in 1971. Edd will be responsible for digestive physiology research and for teaching the undergraduate systemic physiology course.

A second position was transferred from Veterinary Science to Animal Science on July 1. The Department is currently in the search process and hopes to fill this vacancy soon.

Rick Rasby joined the Department in December, 1986. Rick, a native of Sutherland, Nebraska, received his B.S. from UNL in 1980 and his M.S. and Ph.D. from Oklahoma State in 1983 and 1986, respectively. His responsibilities include leading extension programs in beef cattle management with emphasis on cow-calf and calf growing-backgrounding operations. He will also lead Nebraska's extension/demonstration project in Integrated Reproductive Management for cow-calf producers.



RICK RASBY



BURT WEICHENTHAL

Burt Weichenthal's appointment has changed to include a partial faculty appointment in the Animal Science Department. He has served as Associate Director of the Panhandle Research & Extension Center, Scottsbluff since January, 1982. Burt, a native Nebraskan, received his B.S. from the University of Nebraska in 1959, his M.S. from South Dakota State in 1962 and his Ph.D. from Colorado State in 1967. He came to Nebraska from the University of Illinois where he had served as an extension specialist. Burt is developing ruminant nutrition management research and extension programs complementary to existing programs in the Panhandle District and within the Department of Animal Science.

FACULTY RETIREMENTS

Gordon Dickerson converted his employment status within USDA from permanent, full-time to Collaborator on April 1, 1987. As a USDA-ARS Collaborator, he will continue his work located in the Department. Gordon retired from his special appointment in the Animal Science Department which he held for approximately 20 years and he was appointed Professor Emeritus on July 1, 1987. Plans are to refill the vacancy his retirement created.

Franklin Eldridge retired from his faculty position in the Animal Science Department effective July 31, 1986. He came to the University in 1954 as associate director of resident instruction with the College of Agriculture and professor of Dairy Husbandry. In 1961, he was promoted to director of resident instruction and was named

Continued on next page

Harry Hart
52nd Block and Bridle Honoree

Harry Hart, a Cozad sheep producer, was selected as the 52nd Hall of Fame Honoree. Mr. Hart's portrait has been added to the **Hall of Fame Gallery** in the new Animal Science building.



HARRY HART

Hart has developed elite registered Hampshire and Suffolk flocks, and in addition, is a hybrid corn and beef cattle producer. Harry has been active in many sheep and livestock associations over the years including the Nebraska Registered Sheep Breeders, the Nebraska Beef Council, American Hampshire Sheep Association and the Dawson County Feeders Association. He has been a strong supporter of youth as a 4-H club leader, sponsor of state sheep winners to the National 4-H Congress, hosting judging training for county, state and college judging teams and developing a program for supplying quality rams to 4-H and FFA members. For these and other activities, he was made an Honorary Block and Bridle member several years ago, received the University of Nebraska Builders Award and was selected for the Ak-Sar-Ben Ag Leadership Award.

The Nebraska Block and Bridle Club continues to be one of the most active clubs on campus. It also is an outstanding chapter in the National Block and Bridle Club winning many awards in the 1986-87 academic year including:

National Outstanding Junior Scholarship Competition

- First place award was won by LaRee Witte

Midwest Academic Quadrathlon - First place team members were: LaRee Witte, Chris Finney, Rod May and Scott Kurz

National Scrapbook Competition - First place

National Chapter Activities Competition - First place

- Activities sponsored by the club include the following:

State Fair Awards for beef and dairy

Little Ak-Sar-Ben

Ham sales

Christmas Coffee for faculty

Kids' Day

Academic Quadrathlon

Beef Show

Quarter Horse Show

Meats and livestock judging contests



associate dean in 1968. He resigned as associate dean in 1972 at which time his academic appointment was resumed in the Animal Science Department because of the merger of dairy and animal science in 1967. As a result of his professional accomplishments during his tenure at the University of Nebraska, Franklin was appointed Professor of Emeritus effective August 1, 1986.

Paul Guyer was appointed Professor Emeritus upon his retirement from the University effective July 1, 1986. Paul served on the Animal Science faculty for 32 years establishing a distinguished career in beef cattle extension. Since retirement, Paul has continued service to the Department serving as Director for the Japanese Agricultural Training Program and also for the Feedlot Managers Training Program for feedlot managers from Egypt and Turkey.

DEATH

Phil Cole, Professor Emeritus, passed away at his home in Lincoln on February 17, 1987, at the age of 64. Phil retired from the Department on August 1, 1984 after 34 years of service to the University—the last 28 as an extension dairy specialist. During his time on the University of Nebraska faculty, he established an impressive record of service to the University and to the Nebraska dairy industry. His innovative programs and service to the industry won the respect and gratitude of dairymen throughout the state. In his honor, the Nebraska Dairy Association is establishing a memorial fund. Contributions should be sent to George Woolsey, Secretary, Inland, NE 68954.

NEW THRUST IN FORAGE ANALYSIS AND UTILIZATION

A new program has been initiated to emphasize more effective use of forage in ruminant production. A new Near Infrared (N.I.R.) scanning system to analyze forage and/or grain has been purchased to assist in this program effort. The N.I.R. is an excellent tool to illustrate the importance of forage quality and its important role in balancing rations to best use the roughages and other feeds available to maximize net income.

In addition to demonstrating the N.I.R., 26 demonstration dairy herds have been established. These herds will be worked much like the UNL mastitis control demonstration herds of a few years ago. Extension agents are now in the process of selecting beef cattle operations to cooperate in an in-depth forage quality, ration balancing program in their counties. This in-depth program will be developed by agents and assisted by the beef specialist in the district. These two-year programs will emphasize feed analysis and ration balancing. Twelve meetings have been set up beginning in November and ending in late February, 1988. The N.I.R. scanner will be demonstrated at the meetings followed by an educational program. The meetings will be open to producers.

NEBRASKA'S INTEGRATED REPRODUCTIVE MANAGEMENT (IRM) PROGRAM

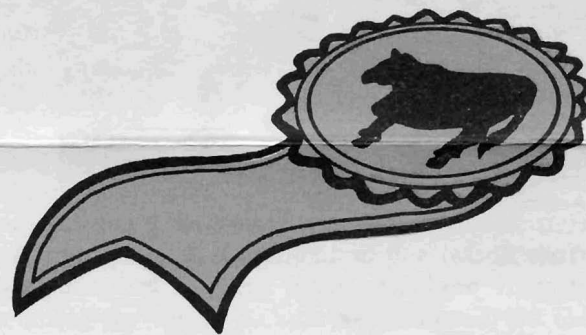
In 1983, the Extension Service initiated a program aimed to gather reproductive information in selected beef herds across the state. From 80 herds nominated by extension agents, nine herds were selected to be co-operator herds in the IRM program. Cooperator herds are located in Marsland, Valentine, Arnold, Maywood, Lawrence, Atkinson, Stromsburg, Hoskins and Odell.

The program was first designed to monitor the nutrition and reproductive programs in the nine herds, but has since expanded into a total resource management program. An IRM team, (consisting of the Extension agent, district beef specialist, veterinarian used by the cooperator, an area beef producer and other University specialists deemed necessary), evaluated beef cattle management practices used by the cooperator. The IRM team then made recommendations of management changes or modifications to increase efficiency of live-stock production consistent with the land, feed, labor and financial resources available to the manager.

A three-year summary of production data of the nine herds indicates an eight percent increase in calves weaned of cows exposed. In addition, adjusted weaning weights over the three years increased 32 pounds.

The IRM project is scheduled to end in the fall of 1988. Financial support for the IRM program has come through funding from Federal sources, Norden Laboratories, the Nebraska Agricultural Extension Service and the Nebraska Agricultural Research Division.

Information from the IRM program is being shared with producers through field days held at the site of the cooperator herd, news media and popular press.



COUNTY FAIR LIVESTOCK JUDGING CLINIC - MARCH 23-25, 1988

This will be the 14th Judging Clinic designed to give interested livestock judges more experience in evaluating market livestock alive and in the carcass and breeding livestock with and without performance records. In addition to beef, swine, and sheep, sessions are to be held on judging dairy cattle, dairy goats, poultry and horses. Keith Gilster and R.B. Warren are the staff members in charge.

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JUDGING TEAMS HAVE A SUCCESSFUL YEAR

Junior and Senior Livestock Teams and Junior and Senior Meats Teams each had a commendable record in the 1986-87 academic year contests.

The Senior Livestock Team entered in the Mid-South, Northern International, American Royal and International Contests placing 7 and 14, 1, 14 and 18, respectively.



Sr. Livestock Judging Team Front Row (left to right) — Gary Kliwer, Mark Bruns, Bruce Nisley, Rod May, Brent Ruttman, Todd Marotz. Back Row (left to right) — Dr. Elton Aberle - Department Head, Keith Gilster - Coach, Jo Bondegard, Trudy Anderson, Scott Kurz, Sheryl Herling, Steve Bath, Galen Loseke - Manager of Teaching Livestock.

The Junior Livestock Team competed in the National Western Livestock, National Western Carlot, Sioux Empire and Meat Animal Evaluation (Omaha) Contests, placing 10, 9, 11 and 13 and 7, respectively.

The Senior Meats Team competed in the Iowa State, American Royal and International Contests, placing 4, 11 and 10, respectively.



Sr. Meats Judging Team Front Row (left to right) — Charlotte Lentger, Robert Jones, Denise Raiter. Second Row (left to right) — Dr. Elton Aberle - Department Head, Dr. Dennis Burson, Lane Christenson, Bob Wiseman, Dan Hilgenkamp, Duane Starke - Coach.

The Junior Meats Team entered the National Western, Houston Livestock and Southwestern Meats Judging Contests, placing 4, 7 and 3, respectively.

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