

ANIMAL SCIENCE NEWSLETTER

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CALENDAR OF EVENTS

June 10 Feedlot Training Conference for Livestock Farm Advisors, Bakersfield
June 11-13 Reciprocal Meat Conference, Cal Poly, Pomona
June 16-18 Livestock Test Conference, Sacramento
June 18 California Red Meat Industry Council, Fresno
June 19-20 Livestock Symposium, Fresno
June 22-25 Annual Meeting American Dairy Science Association, University of Minnesota
July 13-15 Western Section Meeting, American Society of Animal Science, University of Wyoming
August 3-7 Annual Meeting American Society of Animal Science, Purdue University
September 11 Dedication of Harold H. Cole Facility, UCD

VISITORS

Dr. Verle Bohman, Chairman of the Department of Animal Science, University of Nevada, will be here June 9 to talk about their grass tetany studies and to view our new facilities.

Robert Gallo, Postdoctoral, School of Medicine, UCLA, will be here May 28-29 for interview.

NEWS OF PERSONNEL

Promotions: Eric Bradford - Professor
Bill Garrett - Professor
Verne Mendel - Associate Physiologist
Dave Robinson - Associate Professor

Dr. James Morris and family will arrive from Australia on July 11. He has received an appointment as Associate Professor in the department.

Clem Pelissier was the recipient of an award in appreciation for his "outstanding service to the dairy industry" given at the San Diego Milk Producers Council at their recent meeting. The citation was accompanied by a desk set embellished by a golden cow.

Dr. Linda Doerr will arrive about August 15 to spend a year with Bob Ashmore as a Postdoctoral Fellow. She will be supported by the HSAA award to the UCD Medical School. Dr. Doerr is presently at the University of Connecticut and received her

training in the areas of cellular biology and biochemistry. Her research has been concerned with hereditary and nutritional muscular dystrophies.

Jim Robb received the Outstanding Performance Award on May 29.

Mr. and Mrs. M. Kudoda are the proud parents of a new baby girl.

DEPARTMENT ACTIVITIES

Reuben Albaugh recently spent a week in Spain counseling with the Ganadera Internacional, S.A. Cattle Company (largest cattle ranch in Spain) on improved practices in beef production.

Bob Ashmore has been invited to present a review paper entitled "Biosynthesis of Muscle" at the Reciprocal Meat Conference, June 12, Cal Poly, Pomona.

Eric Bradford attended a meeting of livestock industry representatives at the Sacramento Airport May 9 at which the California Red Meat Industry Council was organized.

Wade Rollins reports that he will be leaving London June 7 to return to Davis on June 17.

Don Bath presented a summary of the dairy profit maximizing program, developed by UCD personnel, at a seminar on Ration Formulation and EDP Decision Making Programs sponsored by Oklahoma State University at Stillwater, May 20-22.

Graham Gall is cooperating with the AES (R. Albaugh and Farm Advisors Monte Bell, Bill Helphinstine and Marion Stanley) by participating in three regional meetings where crossbreeding of beef cattle will be discussed.

Mag Ronning spoke at the American National Cattleman's Association, Region VI meeting in San Francisco, May 20.

Don Bath and Mag Ronning participated on the program at the California Feed and Grain Association meeting in Monterey, May 15.

Floyd Carroll, cooperating with R. Albaugh and Nelson Adams (AES), is conducting a study on the right cannon bones from the study on bulls vs. Russian-conventional castrates. The data will be correlated with carcass cutout.

OTHER NEWS

Bob Finlay had the high selling Suffolk ram at the California Ram Sale, Stockton.

About 150 department and Sierra Range staff and members of their families had an enjoyable picnic May 23 beside the Yuba River on the Sierra Foothill Range Field Station. Department members Floyd Carroll, Norman Hinman and Roy Hull and Sierra Station Superintendent, Joe Guild, are to be commended for the job of preparing the beef barbecue.

Grants: Dave Robinson, \$22,500, from Nutrition Foundation for "The Study of Hyperphagia and Ophagia in Swine with Induced Hypothalamic Lesions".

Bob Ashmore and Eric Bradford, Health Sciences Advancement Award in support

of Postdoctoral, Animal Caretaker and Predoctoral Trainee, respectively, plus operational expense money.

Jim Clawson represented and reported for the Animal Science Department at the Research Committee meeting of the California Cattle Feeder's Association. Both at that committee meeting and subsequently at their Board of Directors meeting, the major research interest of the group centered around environmental and health problems rather than nutrition or other management factors. They are very interested in ways to utilize feedlot manure, hopefully, as an asset rather than a liability. Also of considerable interest is the position that they might be in with regard to water pollution and odors. As a followup to this meeting, Jim spent one day with the new secretary-manager, Francis M. Simpson, in trying to acquaint him with departmental and AES personnel relating to the feedlot industry.

ANIMAL SCIENCE LIBRARY

The department is now receiving the American Journal of Physiology and Biochemistry. Until this fall the individual issues will be kept in boxes on the same shelf with the unbound issues of Nature.

RECENT PUBLICATIONS

- Wilson, A. D. 1969. A review of browse in the nutrition of grazing animals. Jour. Range Mgmt. 22(1):23-28.
- Hintz, H. F., R. C. Hansen and W. N. Garrett. 1969. Energy value of barley fractions. J. Animal Sci. 28(3):397-400.
- Baldwin, R. L. and W. Cheng. 1969. Metabolite changes associated with initiation and maintenance of lactation in rats and cows. J. Dairy Sci. 52(4):523-528.
- Garrett, W. N. 1969. Experiences in the use of body density as an estimator of body composition of animals. Proc. Symposium on Body Composition in Animals and Man, Publication Number 1598, pp. 170-185.
- Mendel, V. E., G. L. Crenshaw, N. F. Baker and Raul Muniz. 1969. Staggers in pastured cattle. J. Am. Vet. Med. Assn. 154(7):769-772.
- Rollins, W. C., R. G. Loy, F. D. Carroll and K. A. Wagnon. 1969. Heterotic effects in reproduction and growth to weaning in crosses of the Angus, Hereford and Shorthorn Breeds. J. Animal Sci. 28(4):431-436.
- Rollins, W. C., L. M. Julian and F. D. Carroll. 1969. A note on the body composition of a double-muscled female and a normal female from a linebred Aberdeen Angus herd. Animal Prod. 11:111-114.
- Sasser, R. Garth and P. T. Cupps. 1969. Conversion of pregnenolone-4¹⁴C to progesterone-4¹⁴C by bovine luteal tissue at selected stages of the estrous cycle. J. Dairy Sci. 52(2):217-223.
- Baldwin, R. L., H. J. Lin, W. Cheng, R. Cabrera and M. Ronning. 1969. Enzyme and metabolite levels in mammary and abdominal adipose tissue of lactating dairy

cows. J. Dairy Sci. 52(2):183-187.

Garrett, W. N. and N. Hinman. 1969. Re-evaluation of the relationship between carcass density and body composition of beef steers. J. Animal Sci. 28(1):1-5.

Lofgreen, G. P. 1969. Effects of nutrition on carcass characteristics. Feedstuffs 41(7):44.