



ANIMAL  
SCIENCE  
NEWSLETTER

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VOLUME 1

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CALENDAR OF EVENTS

California Cattleman's Association Annual Convention. December 6 and 7, 1968.  
El Dorado Motel, Sacramento.

UCD Ag Teachers Day. 9:30 A.M. December 14, 1968. Tercero Hall.

Animal Science Department Christmas Party. 12:00 Noon, Thursday, December 19th.

Low-Fat Beef Conference. December 27 and 28. Mee Room (See Department Activities)

Farm Advisors Training Conference. March 26-27, 1969. 100 Hunt Hall.

Dairy Cattle Day. March 28, 1969. Freeborn Hall.

THE CHAIRMAN SAYS

The annual Livestock Advisory Committee meeting was held Tuesday, November 26, with dairyman Wes Sawyer serving as chairman. A copy of the minutes will be provided each staff member in the near future.

NIH Grant applications must be received by the Dean's office not later than January 15, 1969.

ADSA call for papers -- deadline, February 15, 1969.

FSEB call for papers -- deadline, December 19, 1969.

The Pacific Dairy and Poultry Association recently announced that they are making available scholarship funds for aid of deserving students in the fields of Poultry Science, Animal Science, Food Technology, Agricultural Engineering, Agricultural Economics, Home Economics and Veterinary Medicine, who express an interest in pursuing a major oriented to the dairy or poultry industry. It is anticipated that there will be fifteen \$500 scholarship awards made for the school year of 1969-70. For further information, see Dr. Bradford.

The contractors now estimate that the new Animal Biology Facility will be completed during the latter part of December.

PERSONAL

Dr. Glen Spurlock suffered a heart attack at his home Monday, December 2, and was returned to the Woodland Memorial Hospital. The seriousness of the attack has not yet been determined. Glen had bounced back nicely from major gall bladder surgery performed November 20 and had returned home before Thanksgiving Day. He was planning to visit the office when he was stricken.

Dr. Baldwin will be visiting on campus December 13-18 inclusive.

Mohamed Farid and Gary Korsrud passed their qualifying exams during November. Congratulations!

Two department members were awarded their 10 year service pins by Dr. Ronning at a department gathering November 15. Damon Yates, Superintendent of Cultivation on the farm crew and Berniece Barrett, Principal Typist-Clerk in the main office.

Bob Finlay judged the sheep at the Pacific International Livestock Exposition in Portland, Oregon, in October.

It's a boy--for the Graham Galls, Saturday, November 23, at the Davis Community Hospital. Mother and baby doing nicely, father acting like an "old pro" at this sort of thing.

Dr. Allen Wilson, who spent the last year in the Department as a Dry-Land Research Institute, Post-doctoral Fellow, has returned to Australia and is stationed at Deniliquin, New South Wales, with the Division of Plant Industry, C.S.I.R.O. He has completed most of his work on in-vitro and chemical methods of evaluating browse collected by esophageal-fistulated sheep and will finish it there for publication.

DEPARTMENT VISITORS

Dr. Dixon Hubbard, Animal Scientist, Federal Extension Service, was visiting with the Extension Livestock Specialists November 19 and 20.

DEPARTMENT ACTIVITIES

Paul Thompson joined the staff recently as a departmental technician. Paul received a B.S. in Chemistry from Colorado State University in June, 1968. He is currently working on research problems in the area of appetite regulation for Dr. Mendel, and metabolic adaptation to chronic acceleration for Dr. Evans.

Kenneth Taylor returned to the Animal Science Department in November as Beef Herdsman, filling the position vacated by Lyman Nash. Mr. Taylor returned to the University after approximately one year with the Mace Meat Co. in Dixon (a division of Armour). Ken received his B.S. in Animal Husbandry from Fresno State College in 1963. He was employed by the UCD Farm Division in September, 1964, and transferred to the Animal Science Department in June, 1965 to assume the position of Asst. Beef Herdsman.

Lyman Nash, Beef Herdsman for the past 12 years, resigned November 15. He has moved to Enterprise, Oregon, where he plans to venture into the real estate field. He recently passed his state board, and received his real estate brokers license for the state of Oregon.

Larry Gibbs was hired as a technician on November 11. Larry is a native of the Imperial Valley and wants to stay there. He is presently working at the station during the day and is attending Imperial Valley College at night.

Don Torell and family are leaving for the University of Chile, Santiago, Chile, for an 18-month assignment on the UC project. Don will be working with the range nutrition program and will initiate sheep management activities.

Dr. Ronning leaves for the University of Chile, December 28, for six weeks of project development and review.

Dr. Cole has received a grant of \$21,000 from the Population Council to study the use of antigonadotrophins in the control of reproductive activity.

Low-fat Beef Conference. The California Beef Council and the Animal Science Department are sponsoring this conference of medical and animal scientists, December 27 and 28. The primary objectives of this conference are to determine the medical view regarding the need for low-calorie beef and the role this product could play in dietary recommendations, and possibly determine some guidelines for the production of such beef. Participation is by invitation. Scientists from Wisconsin, Cornell, Missouri, Texas A & M, Tennessee, and medical doctors from the California Heart Assn., California Medical Assn., American Medical Association and the National Academy of Sciences have indicated they will attend. Expenses of the conference will be met by the Beef Council.

Dr. Ashmore has received a grant of \$6000 from the Muscular Dystrophy Foundation to study mitochondrial enzyme activity in dystrophic chick muscle.

Dr. Bradford has been appointed Chairman of the Dean's Committee to study problems of the red meat industry in California. Bradford attended the 12th International Genetics Congress in Tokyo, Japan, August 19-28, 1968, and presented a paper "Selection for Ovulation Rate and Embryo Survival in Mice."

Dr. Weir and Dr. Spurlock both presented papers at the Symposium on Sheep Nutrition sponsored by the Sheep Industry Development Program October 8 and 9 in Ames, Iowa. Weir's paper was "The Nutrient Requirements of the Dry Ewe" and Spurlock's was "Systems of Finishing Lambs on Pasture". Weir also met with the NRC Sheep Committee to begin the revision of the sheep requirements.

Dr. Lofgreen spoke at the annual Arizona Feeds Seminar in Phoenix, November 14. He has been invited to participate in the Oklahoma Beef Cattle Conference on February 6 and 7, 1969, and the Maryland Nutrition Conference March 19-21, 1969.

Three projects have been initiated at the Imperial Valley Field Station in cooperation with the Agricultural Extension Service and local industry.

1. Levels of wheat in finishing rations--in cooperation with the AES and Dan Cameron of Orita Feed Yards who will furnish cattle and feed.
2. Use of dehydrated alfalfa in finishing rations--in cooperation with AES and John Benson, Brawley Alfalfa Mills.
3. Net energy of sun-cured alfalfa, baled, cubed and dehydrated---Batley-Janss Enterprises, Brawley, and Dixon Drier Company, Dixon, cooperating.

The installation of the steam rolling equipment in the feed mill has been completed.

Dr. Bath presented an invitational paper "Attracting and Keeping Well-Qualified Dairy Farm Labor" at the Texas A & M Dairy Short Course, College Station, Texas, November 7 and 8.

Murrill, Bath and Pelissier attended the Western Regional Extension Dairymen Workshop in Boise, Idaho, October 31 and November 1. Pelissier and Murrill also attended the Provo DHIA Record Center Workshop in Boise, October 29 and 30.

Four Stockmen's Institutes were held during November by farm advisors in the San Joaquin Valley (Bakersfield, Visalia, Oakdale, Chowchilla) with the Extension Livestock Specialists Elings and Albaugh participating. Ten additional institutes are scheduled for February in Northern California--Colusa, Redding, Red Bluff, Montague, McArthur, Alturas, Susanville, Durham and Orland.

#### PUBLICATIONS

Bath, D. L.; Bishop, S. E.; Hutton, G. A. Jr.; Oliver, J. C.; Dean, G. W.  
Computer-formulated least-cost concentrate mixes for dairy cows. J. Dairy Sci. 51:1616, October, 1968.

Bath, D. L.; Dean, G. W. Maximizing income above feed cost for the dairy enterprise. Proc. Pac. S. W. Animal Industry Conf. 21:57. October, 1968.

#### HAMBURGER

WANTED --- A permanent name for this newsletter!! Please submit your suggestions to Gerri or Pelissier.

Our bowling team is the foundation of the UCD Men's League. Their 3 for 4 on November 25 brought them up to 12-24 for the season. HELP!!