

HIGHLIGHTS

A PUBLICATION FOR OUR ALUMNI AND FRIENDS

Spring 1997

Message from the Chair



Twice a year, usually in May and November, the Department of Animal Science Development Board meets with the faculty at Davis to discuss items of importance to the department and issues of mutual interest.

The board was established in 1991 and consists of 21 members representing various facets of animal production as well as allied industries and organizations. Seven members rotate off each year and seven new members are appointed.

The mission of the board is three-fold:

1. To enhance partnerships and create a mutually beneficial network of contacts among the faculty of the department and representatives of the California animal industries (including companion and laboratory animals), statewide cooperative extension programs and other agencies, organizations and academic institutions involved with the animal industries.
2. To keep the faculty of the department informed on issues related to animal industries in California and the West.
3. To advise the department on issues that relate to its teaching, research and outreach programs.

The department is greatly appreciative of the time board members have taken from their busy schedules to support and assist the department on many important issues. We also value the many friendships that we have made.

Ed Price



Department of Animal Science, UC Davis

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Coveted UCD Prize Goes to Professor Gary Anderson



The students in Animal Science Professor Gary Anderson's class jumped to their feet with roaring applause. Anderson was wrapping up one last lecture for his Winter Quarter course on the Physiology of Reproduction when Chancellor Larry Vanderhoef appeared at the classroom door wheeling in a giant cake. "I hope you don't mind if I interrupt you for a minute or two," Vanderhoef said, as students gasped with amazement. The Chancellor had come to announce that Professor Anderson was the winner of the 1997 UC Davis Prize for Undergraduate Teaching and Scholarly

Achievement which includes a \$30,000 award. Chancellor Vanderhoef brought along an entourage that included Chancellor Emeritus James Meyer, Dean of the College of Agricultural and Environmental Sciences Barbara Schneeman, Vice-Chancellor for University Relations Rich Matheny and UC Davis Foundation Chair Julita Fong. The UC Davis Foundation offers the prize annually from the earnings of an endowment established to honor the best teachers and scholars on campus.

The UCD Prize was not the first award Professor Anderson has received for his teaching. In 1984 he received the "Magnar Ronning Award for Excellence in Teaching" an award given by students. He was recognized with a "Teaching Award of Merit" from the National Association of College Teachers in Agriculture in 1991. During the 1991-92 academic year, he was awarded the "Academic Senate Distinguished Teaching Award" and in 1995 he was presented with an "Award of Excellence in Teaching" by the National Association of State University and Land Grant Colleges.

A gala dinner was held in Freeborn Hall on May 22nd in Professor Anderson's honor. The black-tie event was attend by faculty, students, administrators, alumni and friends. Former students Dr. Joan Rowe and Ria de Grassi current Chair of the Department of Animal Science Development Board, addressed gala attendees with stories of his

dedication to his students and teaching.

Professor Anderson specializes in embryo physiology, specifically the reproduction of livestock species. He received a doctorate from Cornell University in 1973 after which he joined the faculty of the Department of Animal Science.



Animal Science Undergraduate Peer Advisors Cheryl Williams (left) and Clover Bench (right) accompany Animal Science Professor Emeritus Robert "Bob" Laben and his wife Dorothy at the gala

honoring Professor Anderson.

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Clement "Clem" Pelissier (1914-1997)



Clement "Clem" Pelissier passed away on May 9, 1997 after an extensive period of failing health. Clem was born in San Francisco the same year his parents immigrated from France and grew up in Santa Rosa. He graduated from UC Davis with a degree in Animal husbandry in 1936 and later received a masters degree in Animal Husbandry in 1936 and later received a masters degree in Animal

Science from Cornell University. In 1938, he was appointed Livestock and Dairy Assistant Farm Advisor in Tulare County. After serving the U.S. Navy during World War II, in 1946 he returned to Tulare County as Dairy Farm Advisor. In 1949, Clem was transferred to the UC Davis campus as an Extension Dairy Specialist where he remained until retiring in 1982.

In the early 1950's, Clem was one of the first researchers to evaluate level of grain feeding to lactating dairy cows. He demonstrated that increased feeding of concentrates could be used as a management tool to increase energy intake of lactating cows during early lactation to meet energy demands of high milk yield. Clem was also active in promoting the use of artificial insemination in California and assisted in the development of that industry. In his later years, he demonstrated to the dairy industry the importance of maintaining accurate records to make wise management decisions and was active in the Dairy Herd Improvement Association. He also focused on management strategies to improve the reproductive efficiency of California dairy herds.

Clem received an Extension Award from the American Dairy Science Association in 1978 and on his retirement, received citations from the California State Legislature, the California Farm Bureau and a number of breed associations. He is survived by his wife Jeanne, of 52 years, two daughters and a son. A memorial service was held on the UC Davis campus on June 8th. Donations in his memory can be made to the Clement and Jeanne Pelissier Undergraduate Scholarship Fund (checks payable to U.C. Davis Foundation) or to the Animal Husbandry Memorial Fund in support of department programs and student activities (checks payable to U.C. Regents - Animal Science).

Send to the Department of Animal Science, c/o Edward Price, Chair,
University of California, One Shields Ave., Davis, CA 95616-8521.



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Animal Husbandry Memorial Fund

The Animal Husbandry Memorial Fund, established in 1954 by The Regents, was set up "as an endowment with the income to be used for the advancement of the Department of Animal Husbandry in teaching and research, and by the award of scholarships and grants-in-aid." Donations to the fund have been made to memorialize three groups of people: livestock producers who have made substantial contributions to the California livestock industry; persons who have served the industry; and faculty members, Cooperative Extension Specialists and Farm Advisors. More than 100 individuals have been recognized since the fund's founding, with an endowment now over \$90,000.

The Animal Science Department maintains a Memorial Book with photographs and biographies of most persons who have been honored by contributions to the Memorial Fund. In addition, photographs and biographies are on display on a rotational basis in the department on the second floor Meyer Hall on the Davis Campus. Visitors to the campus are invited to view this display. The Memorial Book is not on permanent display but anyone interested in seeing it may arrange to do so. The biographies are also on the Animal Science web site:

<http://animalscience.ucdavis.edu/memorial>

The department is planning an event in the near future which would include recognition of persons honored by inclusion in the Animal Husbandry Memorial Book, and a special invitation to families of persons so recognized.

Donations to the Memorial fund can be made by check payable to "UC Regents - Animal Science" and sent to the department. For more information on how to honor an individual through contributions to this fund, contact Edward O. Price, Chair, Department of Animal Science, University of California, One Shields Ave., Davis, CA 95616-8521, or call (530)752-1252 .

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James Oltjen is Recipient of The 1997 Extension Award



The Western Section of the American Society of Animal Science selected Dr. James Oltjen, Associate Livestock Systems Management Specialist, Department of Animal Science, as the recipient of the 1997 Extension Award. The award, presented annually to a member of the society actively engaged in extension and employed by a western region institution, recognizes outstanding achievements in animal science extension programs.

Oltjen is recognized as an international leader in applying mathematical models and computer techniques on farms and ranches. He stresses the need to integrate disciplinary knowledge, economic considerations and practical experience into research and extension programs. His efforts are primarily in animal enterprise management, natural resource monitoring and modeling, and livestock quality assurance programs with simultaneous computer decision aid development.

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Deanne Meyer Receives NACAA Award



The California Association of Farm Advisors and Specialists selected Dr. Deanne Meyer, Associate Livestock Waste Management Specialist, Department of Animal Science, as California's 1997 recipient of the National Association of County Agricultural Agents Achievement Award. She is responsible for development of a comprehensive research and extension program to address air and water concerns related to manure nutrient management by commercial livestock

enterprises in California. The award was presented at the July, 1997 NACAA Annual Conference in Vermont.

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Josette Arrayet and Monna Jordan Receive Outstanding Graduate Student Teaching Awards



Animal Science graduate students Josette Arrayet (left) and Monna Jordan (right) were presented with Outstanding Graduate Student Teaching Awards by Chancellor Vanderhoef at a reception at the University Club on May 27th. The awards are given annually by the UCD Academic Senate Committee on Teaching and the Teaching Resources Center. Josette is a student in the Master of Agriculture and Management Program, directed by Dr. Ian Garnett, Senior Lecturer in the Department of Animal Science, while Monna is working on her doctorate in the Physiology Graduate Group under the guidance of Professor Jan Roser. They were the only graduate students in the College of Agriculture and Environmental Sciences to receive the award this year.

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Don Bath Receives College Award Of Distinction



Dr. Donald L. Bath, Emeritus Extension Dairy Nutrition Specialist, was one of 11 people presented with a College of Agricultural and Environmental Sciences Award of Distinction at the College Celebration on October 18, 1996. The Award of Distinction is the highest recognition presented by our college to honor individuals whose contributions and achievements have enriched the college's image and reputation and enhanced its ability to serve the public. In his career at UC Davis, Don authored some 350 publications, most of which concerned dairy cattle nutrition, including a widely used textbook entitled "Dairy Cattle: Principles, Practices, Problems, Profits". Dr. Bath was the only extension specialist to have served as President of the American Dairy Science Association. Congratulations, Don!

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Undergraduate Scholarships Awarded at Annual Department BBQ



PICTURE CAPTION: Marie Ross (left) and Staci Murguia, 1997-98 recipient of the Greta Breedlove Ross Scholarship.

A number of prospective students, alumni and friends of the department have asked about the availability of scholarships for undergraduates in the Animal Science majors. The list below describes the scholarships and awards offered for the 1997-98 Academic Year and the students that received these scholarships at our Annual Department BBQ on June 5th. Awards ranged from \$500 to \$1,800.

Carl L. Garrison Scholarship - Stacy M. Pettigrew (Atwater, CA).

Carl Garrison was a prominent rancher and alumnus of UC Davis. He was a past president of the Cal Aggie Alumni Association as well as the California Beef Council. Carl's friends and family established an endowment fund in his memory in 1975, which supports this scholarship. It is given to a junior or senior who is planning a career in livestock production.

Elizabeth Graves Hosselkus Scholarship - T'Nay L. Kawcak

(Altaville, CA) and Cassandra B. Tucker (Oceanside, CA).

Elizabeth Graves Hosselkus graduated with a degree in Animal Husbandry in 1925. Later she was employed by the Department of Animal Husbandry. This scholarship, in her memory, was established by her husband. It is awarded annually to students majoring in Animal Science.

Harold and Elizabeth Kendall Scholarship - Sally Pyle (Susanville, CA). Harold was a student at UCD in the early 1920's. He majored in Animal Husbandry because, he says, he wanted to be a cowboy. When he graduated, however, he found a job in the avocado industry. After attending Harvard and acquiring a MBA, he moved to Florida and built a career in the citrus and subtropical fruit industries. Elizabeth Kendall graduated around the same time from UC Berkeley in Chemistry. This scholarship is presented to a new or continuing undergraduate student with an Animal Science major. In addition to academic excellence, preference is given to students demonstrating leadership skills as in extracurricular activities. It is being offered for the first time this year.

Robert C. Laben Scholarship - Shelly Wright (Salinas, CA).

Robert "Bob" Laben was Master Advisor for the Animal Science major for about 15 years. His "open door" policy and rapport with students earned him wide respect from students and colleagues through the college. Currently a professor emeritus, Bob remains active on several department committees. This scholarship is presented to a new or continuing undergraduate student with an Animal Science Major. In addition to academic excellence, preference is given to students demonstrating leadership skills in extracurricular activities. It is being offered for the first time this year.

Clement and Jeanne Pelissier Scholarship - Ryan Brenner

(Modesto, CA). "Clem" Pelissier was Extension Dairy Specialist at UCD for 32 years (1950-82). He was well known for his in-depth knowledge of dairy management and the California dairy industry, and for his strong support for UCD and its students and alumni. This scholarship is presented to a continuing undergraduate student majoring in Animal Science. Preference is given to students with an interest in dairy cattle who have demonstrated leadership skills (which may include athletics).

Greta Breedlove Ross Scholarship - Staci Murguia (Whittier, CA).

Greta Breedlove Ross and her husband, Robert Wiley Ross were killed in a tragic accident several months after their wedding in 1985. At the time of their death, Robert was completing work on his master's degree in Civil Engineering and Greta was completing her Bachelor's Degree in Animal Science. This scholarship was created by their parents, family and friends to commemorate their memory and their relationship with UC Davis. It is given to a senior undergraduate, who is studying Animal Science and interested in animal genetics or related fields.

California Cattlewomen's Scholarship - Julie Allwardt (Salinas, CA). The California Cattlewomen are the women's auxiliary of the California Cattleman's Association. They have offered this scholarship since 1972. The recipient must be a graduate of a California high school and studying in a beef-related field.

Tom Mead Dairy Award - Christing Aguiar (Livingston, CA) and Betsey Martin (Petaluma, CA). World-Wide Sires Inc. is the donor of this award to commemorate Tom Mead, a professor of Animal Science at UCD who retired in 1962. This award is given to a junior or senior who demonstrates a high and continuing interest in dairy cattle.

Oskar Lang Laboratory Animal Science Award - Dorothy Bermudez (Santa Cruz, CA). This award, in memory of Oskar Lang, is given to an Animal Science undergraduate or graduate student interested in laboratory animal management. Oskar was supervisor of the Department Small Animal Facility and a lecturer in Animal Science for 22 years.

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Cattlemen Get Briefed on Genetic Selection

Over 50 California cattlemen met at the Department of Animal Science Cole Facility on April 3, 1997 to learn how to produce and market superior beef animals through genetic selection. The program, and advanced training module of the Cow-Calf Quality Assurance Program developed jointly by UC Cooperative Extension and the California Cattlemen's Association and co-sponsored by the California Beef Cattle Improvement Association and G Bar Angus, included presentations by UC Cooperative Extension, California State University and industry personnel. Topics covered included "Supplying a Genetically Superior Beef Product", "Bull Selection and the Individual Cow-Calf Operation", "Finding Out What's Underneath the Hide Using Ultrasound", "Consumer Taste Panel for Beef" and "Value-based Marketing Alternatives for Seedstock Producers". Specialist Jim Oltjen organized the event and was assisted by Dan Sehnert, Dan Kominek and Ted Mori.

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Admitted Student Program Attracts Prospective Students

The Admitted Student Program was established by the department three years ago to encourage prospective students to select UC Davis. This year, 396 individuals admitted to one of our two animal Science Majors for Fall 1997 were sent personal invitations to visit the department during Spring Quarter. One-hundred four prospective students, along with parents, siblings, and friends accepted our invitation and were given a two-hour introduction to the department including faculty presentations, a question and answer period, and a walking tour of some of our animal facilities (see photo below). The department is expecting a record number of freshman to enroll in our programs in September.



Animal Science student, Dan Miconi, takes a group of prospective students and their parents on a tour of the Department Horse Barn.



Dr. Francine Bradley, Associate Avian Sciences Specialist, demonstrates the dissection of a Japanese quail to Animal Science 2 students Christine Hoover (left) and Alicia Aragon (right).



Dairy Goat Show Team members from left to right Daniel Drake, Allison Mattingly and Nicole Gibson are shown here with one of the ribbons won at the 1997 Memorial Day Goat Show in Gridley, California. In all, they took six first places, two second places and two reserve championships. Not bad for four does.



The Animal Science Swine Show Team made its debut at the Great Western Stock Show in Tulare, CA, March 5-6, 1997. They obtained two second place, one third place and a fifth place ribbons. Way to go! Pictured from left to right in front row: Katie Williams, Anna Walling, Denise Bridges, Mandy Hamilton, Kristy Rocha. Back row: Shelly Wright, Lorne Rose, Ryan Cooper and Debbie Cooper. Ryan and Debbie Cooper served as team leaders



GOT MILK!

1996 - 97

UC Davis Dairy Science Students

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Notable Notes

Animal Science graduate student **Lisa Crocker** was the recipient of the 1996-97 Antonio A. Jimenez Memorial Award. The purpose of the award is to recognize outstanding graduate students based on their research activities and the value of their research to the dairy, livestock and poultry industries. The award is offered annually by the California/Nevada Chapter of the American Registry of Professional Animal Scientists in honor of Dr. Jimenez, a highly regarded animal nutritionist.

Congratulations to **Dana Van Liew** who received the Alpha Gamma Rho 1997 Alumni Achievement Award for his dedication to teaching the Animal Science Judging Team and his service to the fraternity. Dana is a lecturer in the department, manager of the department Sheep Facility and Student Recruitment Officer for the College Division of Animal Biology.

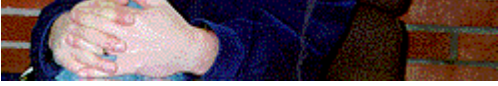
Animal Science Professor **Lee Baldwin** and Extension Dairy Specialist Emeritus **Don Bath** were honored with the 1997 Fellow Awards from the American Dairy Science Association at the June, 1997 Annual Meeting in Guelph, Ontario. This is the first year that ADSA has presented Fellow Awards.

Steve Culver, Animal Science Main Office Manager and Personnel Specialist for over 4 years, has taken on a new assignment as office manager with Polytron, a telecommunications company located in Sacramento. We wish Steve the best in his new position. **Ann Mori** is our new Main Office Manager.

Animal Science Advising Associate **Carrie Russikoff** has become engaged to Gregory Devine of Woodland. They will be married in early September.



Willie Cushwa (shown left in his office at Clark College), wife Susan and sons, Brooke and Matthew, are enjoying Vancouver, Washington. Willie recently earned a Ph.D. in Animal Genetics working under



Animal Science Professor
Juan Medrano.

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News Update

The Animal Science Development Board was established in the fall of 1991 to assist the Department in meeting its short- and long-term goals. The Board consists of 21 external members elected for 3-year terms and meets twice a year (May and November). Members for the 1997-98 term are:

1. **Ken Beer**, Aquaculture
The Fishery
Board Vice Chair
2. **Robert E. Bray**, Professor
Animal Science, CSU, Pomona
Board Chair
3. **Dave Daley**, Professor
Animal Science, CSU, Chico
4. **Max Herzog**, Dairy Producer
Sleepy Hollow Certified Milk
5. **Pam Hullinger**, DVM
Dept. of Food & Agric.
6. **Tim Indart**, Sheep Producer
Indart Land & Livestock, Inc.
7. **Dan Kemp**, Publisher
Equestrian Connection Magazine
8. **David Knudsen**, Consultant
Systemics, Inc.
9. **Dan Macon**, Executive Director
CA Farm Water Coalition
10. **Paul Marini**, VP & Director of Research
Nicholas Turkey Breeding Farms
11. **William Mattos**, Executive Director
CA Poultry Industry Federation
12. **Al Medvitz**, Sheep Producer
McCormick Ranch Lamb
13. **Glenn Nader**, Livestock Advisor
UC Cooperative Extension
14. **Les Oesterreich**, Executive Manager
Superior Packing Company
15. **Jeffery Poston**, Dairy Producer
Jem-Dar Holsteins
16. **Harold Radloff**, Director

Technical Services

A. L. Gilbert Company

17. **Barbara Reed**, Dairy Advisor
UC Cooperative Extension
 18. **Tom Sawyer**, President & CEO
Diamond S Ranch
 19. **Henry Stone**, Cattle Producer
Yolo Land & Cattle Company
 20. **Dick Wayman**, Project Manager
CA State Coastal Conservancy
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Tools for Extension and Tools for the Internet

The Department of Animal Science is rapidly developing computer systems to handle and deliver information to user groups and the general public by more effective and economic means. The goal is to link Extension Advisors and Specialists to facilitate more economic and rapid service to clientele that range from those that have only a mail address to clientele that have full access to the Internet.

Departmental personnel have combined funds from regional grants and University resources to build computer applications to add efficiency and economy in the dissemination of Extension information. This past April, Extension personnel gave two presentations at the National Aquaculture Extension Conference in Annapolis, Maryland describing the computer software programs and associated applications for the Internet.

Outreach for Windows is a document management program for desktop computers (PCs) that also has Internet application. It is designed to manage and disseminate digitized publications or any other digitized material. It was developed with six primary objectives: reduction in storage of hard-copy, faster turn-around for publication modification, reduction in the cost for publication modification, reduction in time and cost to distribute publications, to facilitate a publication development philosophy for the adoption of processes that lead to multiple application such as hard copy and digital transmission, and to adopt processes for multiple applications capable of information dissemination ranging from traditional mail to the transmission by Internet.

The program stores, searches for, sorts, and retrieves all types of document files in a protected and unprotected format, and can link protected documents with accompanying cover letters that can be modified by the user. The program stores, sorts and searches an unlimited number of documents or Internet links to documents. Its storage capacity is limited only by the size of the hard drive, CD-ROM, or network server that is being accessed. The program can also be used to store and deliver information using digital spreadsheets, graphics, photographs, videos, and voice. It is designed to view and print any document created under the Windows' operating system. The files are font-independent, word processor-independent,

and printer-independent.

Also described at the Maryland meeting was the Department's aquaculture "information hub" designed to link county Extension Advisors with clients and state-wide Specialists. Central to the design is the Internet server and regional aquaculture web-site (California Aquaculture: <http://aqua.ucdavis.edu>) that is operated by the Department's specialist and software engineer. The system functions as a primary tool for the Specialists, Extension Advisors and aquaculture clients, as well as the traditional Internet function for the delivery of information. It is being designed as a "hub," in that county Advisors will be able to "tool" from the server to deliver information to clients without direct involvement with the Specialist. The full design incorporates the central Internet server and associated software and computer programs, regional aquaculture web-site and a stand-alone document management PC software (Outreach for Windows) that interfaces with the Internet and the server.

County Extension personnel employing software (Outreach for Windows) can sort and search pre-selected documents (.pdf, .txt, .html) located on the campus-based, hub-server, or any other Internet web-site. From the county-based office computer, these documents can be accessed by web browser without a lengthy down-loading process and rapidly faxed, e-mailed or mailed to a third location. Locations without Outreach software may access the FTP site for downloading publications, citations and abstracts. A database of selected references on the web site may be searched and sorted over the Internet using another Internet program (BiblionWeb) and sent to a third location.

The hub server can be accessed with any Internet web browser and, within the California Aquaculture web-site, selected publication files contained within a software program (Outreach Web) may be searched, sorted and accessed. The server is also equipped with an Automatic E-mail Responder that allows e-mail retrieval of an index of files and instructions on how to retrieve files by e-mail, including the capability to send Adobe (.pdf) files in .txt format and reconstruct the .pdf file on the receiver end. The Internet server is maintained by the authors using Outreach for Windows and a computer program that loads documents in all formats, abstracts, references, keywords, and other essential data on all components of the hub server.

These systems are part of the Department's Extension efforts to provide better linkage with county-based Extension effort and to provide better service to commodity groups and the general public. The system and software programs with 127 aquaculture publications and materials from the National Livestock and Dairy Databases will be presented in a Dairy and Livestock Workgroup workshop in Fresno this June.
