

Dear Colleagues,

It is the end of another great year and I want to thank all of you for your hard work, inspiration, and commitment to the Division where we work, to the University of California to which we belong, and to the people of California whom we serve. It is because of your dedication and passion that ANR has tackled some tough issues this year.

Among these were issues like looking for solutions to nitrate pollution of groundwater through research, education and partnerships and utilizing 10-plus years of research and education on the ecology of the Asian citrus psyllid to respond to the huanglongbing virus when it finally invaded backyard citrus in Southern California. There are many, many more examples as our website highlights every day. Ninety million page views per year attests to the quality and reputation of the research and education materials provided by you, and maintained by some of the most skilled, innovative IT folks you'll find anywhere.

We started a new statewide program called IGIS (Informatics and Geographic Information Systems) to enable academics and the public greater access to long-term data collected on ANR's research and extension centers. We also continued our focused competitive grants program providing nearly \$5 million dollars to 16 targeted projects.

Researchers and program reps increased our reach in the Master Gardener program by training hundreds of volunteers to deliver science-based information to minimize pesticide and fertilizer use, use water more efficiently, and identify invasive and endemic pests. Youth participation increased in our 4-H program, and adult volunteers continued to provide incredible service. I'd like to thank all our volunteers who gave tens of thousands of hours to our programs and extended the science developed by the University of California to our neighbors and communities.

It was an unsettled year budget-wise, and this no doubt caused a lot of anxiety for many of us. With passage of Prop. 30, our budget is stable for now. Although base funding is stable, we still must seek new sources of revenue and new ways to continue to reduce costs as unfunded, mandated costs continue to rise. With leadership from Tu Tran, our new assistant vice president for Business Operations, I'm confident that we will be able to ensure the long-term financial viability of ANR.

I thank all the advisors, specialists, faculty, academic coordinators and leaders who retired this year. Your sustained commitment to Cooperative Extension and the Ag Experiment Station is the heart of our mission to serve the people of California through research and education programs. Your collective 400-plus years of experience is greatly missed, and hopefully some of you will continue to be available to mentor the 13 new academics who we hired in 2012.

Recognizing that world-class extension, research and education programs can't happen without exceptional staff, I would like to thank all of you for your continued, passionate support of the division's programs. Everyone is stretched very thin, often too thin, and yet somehow you ensure that salaries and bills get paid, supplies and travel claims are processed, state-of-our-knowledge websites, newsletters, research and education materials are produced and continually updated, and phones are picked up and questions answered in the most professional manner.

We are a strong and important arm of the University of California, entrusted with the mission and obligations of the land grant university as delegated 150 years ago by the Morrill Act. We include the Agricultural Experiment Station at Davis, Berkeley and Riverside as created by the Hatch Act of 1887 and further expanded by the McIntire-Stennis Act of 1962. And we have been entrusted with Cooperative Extension, the core of UC's community-based research and education programs, as created nearly a hundred years ago by the Smith-Lever Act. As a Division, we have enormous responsibilities and obligations given to us and I am very proud to be part of this great division and university.

I hope you all take some time to relax and enjoy the holidays with family and friends before returning refreshed and ready to take on new challenges. I look forward to seeing all of you at the ANR Statewide Conference in Ontario April 8-11, 2013. At the conference, we will be joined by internationally renowned speakers where we will discuss feeding the world's population with a healthy and ecologically sustainable food supply, and the University of California and ANR's roles and contributions to make this a reality.

Sincerely,
Barbara Allen-Diaz, Vice President



Barbara Allen-Diaz

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Academics urged to attend dialogue session on strengthening AES and CE connections

VP Barbara Allen-Diaz charged the ANR Academic Assembly Council to seek broad and diverse input on the roles, responsibilities and relationships within the statewide ANR network in order to build on its strengths and prepare for a future that retains its relevance internally (to UC) and externally (to California communities/stakeholders and beyond).

Areas of current discussion include:

- Is campus research finding its way through county channels to address applied issues of our stakeholders?
- As advisors take on growing responsibilities within larger geographic areas, are we creating a hybrid position that may be more like regional specialists than a traditional advisor? What might be some of the benefits and risks associated with these types of assignments?
- What are the potential benefits and risks associated with locating some specialist positions in county offices or in the RECs?
- How might we develop academic coordinator and/or administrator positions to strategically support this statewide network of advisors and specialists?

These and many other key questions will be openly discussed by the larger UC ANR

academic community with the purpose of strengthening the network within the state and providing input to UC ANR leaders regarding potential strategies for the future.

The ANR Academic Assembly Council established a committee called Partnership to Advance Cooperative Extension (PACE). The PACE committee decided to use two main tools to gather input. A survey of CE was developed to inform the key questions to be facilitated at the dialogue sessions. These efforts will inform ongoing discussions at the ANR Statewide Conference April 9-11, 2013.

PACE co-chairs Frank Mitloehner, UCCE specialist in the Department of Animal Science at UC Davis, and Kevin Day, UCCE advisor in Tulare County, encourage Agricultural Experiment Station faculty, Cooperative Extension specialists and advisors, and academic coordinators and academic administrators to join them for one of the dialogue sessions to be held at the following five locations:

- Jan. 8, Redding
- Jan. 16, Kearney Agricultural Research and Extension Center
- Jan. 30, UC Berkeley

- Feb. 6, UC Riverside
- Feb. 20, UC Davis

The sessions will be held from 10 a.m. to 2 p.m. Morning and afternoon refreshments and lunch will be provided.

Register for a PACE dialogue session at http://ucanr.edu/sites/pace2013/Register_for_2013_Conference.

UCCE LA moves to new offices

UC Cooperative Extension in Los Angeles will move to a new building in Alhambra on Jan. 2.

Their new address will be

UC Cooperative Extension
Los Angeles County
700 W. Main Street
Alhambra, CA 91801

The office general phone line will be (626) 586-1971 and the fax number will be (626) 943-3840.

Individual phone numbers are as follows:

Cynthia Avila	(626) 586-1984
Gloria Barragan	(626) 586-1985
Valerie Borel	(626) 586-1986
Patricia Brown	(626) 586-1977
Coral Burciaga-Luquin	(626) 586-1987
Sabrina Drill	(626) 586-1975
Dawn Fuller	(626) 586-1980
Roy Hillstock	(626) 586-1972
Donald Hodel	(626) 586-1973
Dohee Kim	(626) 586-1974
Keith Nathaniel	(626) 586-1970
Cynthia Orozco	(626) 586-1976
Aba Ramirez	(626) 586-1978
Brenda Roche Wolford	(626) 586-1979
Rebecca Sanders	(626) 586-1971
Yvonne Savio	(626) 586-1981
Rachel Surls	(626) 586-1982
Bridget Vaults	(626) 586-1983

California Table Grape Commission donates \$840,000 to hire UCCE advisor

UC ANR will soon be hiring a UC Cooperative Extension term area advisor specializing in table grapes in Tulare, Kern and Kings counties. Thanks to an \$840,000 gift from the California Table Grape Commission, the advisor position will be funded for six years.

The California Table Grape Commission-funded position will be headquartered in Tulare. UC ANR will also be hiring a UC Cooperative Extension area viticulture advisor who will be based in Kern County.

"This generous gift by the California Table Grape Commission will enable UC ANR to begin recruitment immediately," said VP Barbara Allen-Diaz. "As state funding has dramatically decreased in recent years, private-sector support is becoming a critical component of funding important positions essential to the long-term health of agriculture throughout California."

Names in the News

Joseph named IPM advisor



Shimat Joseph

Shimat Joseph joined UC ANR on Dec. 1 as the UCCE advisor in Monterey, San Benito and Santa Cruz counties specializing in integrated pest management. He will focus on pest problems affecting crops including cool-season vegetables such as lettuce and spring mix, broccoli, spinach, celery and

cauliflower as well as berries, grapes, ornamental nursery and other specialty crops.

Prior to joining UC ANR, Joseph worked at the Winchester Agricultural Research and Extension Center at Virginia Tech studying management strategies for the exotic brown marmorated stink bug in fruit trees. As a post-doc, he was involved in research on tomato spotted wilt virus and its thrips vectors in tomato and pepper.

He earned a B.S. in agriculture at Kerala Agricultural University in India. He earned an M.S. and Ph.D., both in entomology, at the University of Georgia, where he received the "Outstanding Ph.D. Student for Outreach" award in 2010.

Based in Salinas, Joseph can be reached at (831) 759-7359 and svjoseph@ucanr.edu.

Brock to coordinate nutrition education statewide

Lyn Brock has been named UCCE's statewide nutrition education training coordinator. She will provide overall direction to the UC Nutrition Education Training Program to produce and evaluate the training and professional development programs for nutrition-related competencies, including Expanded Food and Nutrition Education Program (EFNEP) and UC CalFresh Nutrition Education Program.



Lyn Brock

From 2004 until joining UCCE, Brock was an adjunct professor of nutrition at American River College in Sacramento and at San Joaquin Delta College in Stockton since 2005. She worked as a dietary consultant, location manager and clinical dietitian at health care facilities from 1985 to 2002.

Brock earned a B.S. in dietetics from UC Davis and an M.A. in education, with an emphasis in multilingual/multicultural education, from CSU Stanislaus.

Brock is based in the UCCE office in San Joaquin County in Stockton and can be reached at (209) 953-6116 and rlbrock@anr.edu.

Allen, Bostock, Delany, Luan named AAAS fellows

Four ANR scientists have been named fellows of the American Association for the Advancement of Science.

Edith Bach Allen, UCCE specialist and professor in the Department of Botany and Plant Sciences at UC Riverside,



Edith Bach Allen



Richard Bostock



Mary Delany



Sheng Luan

was chosen for her distinguished contributions to research and outreach in restoration ecology, soil ecology, invasive species ecology, and impacts of anthropogenic nitrogen deposition on vegetation and soil.

Richard M. Bostock, professor in the Department of Plant Pathology at UC Davis, was recognized for his distinguished contributions to basic research in plant-microbe interactions and exemplary leadership in the National Plant Diagnostic Network, a surveillance and diagnostic program designed to protect plants against serious pests and diseases that could be introduced accidentally or through bioterrorism. His research focuses on fungal diseases of orchard crops and on root- and crown-rot diseases caused by the destructive *Phytophthora* species, using various research plants including tomato, *Arabidopsis*, peach, walnut and rhododendron.

Mary Erin Delany, professor in the Department of Animal Science and interim dean of the College of Agricultural and Environmental Sciences at UC Davis, was selected for her contributions to poultry genetics and genomics, administrative leadership in the agricultural sciences, and service in science policy and conservation of avian research resources. Using chickens as a research model, she studies the biology of telomeres, DNA regions that cap the end of chromosomes and have important implications for aging and disease in humans as well as birds and other animal species.

Sheng Luan, professor in the Department of Plant and Microbial Biology at UC Berkeley, was recognized for distinguished contributions to the field of plant cell signaling, and for distinguished service to the plant biology community as founding editor-in-chief of *Molecular Plant*.

The honor recognizes their distinguished efforts in the scientific and social applications of science, for which they were nominated and elected by their AAAS peers. This year a total of 702 AAAS members were awarded the distinction of Fellow.

New fellows will be presented with an official certificate and a gold and blue (representing science and engineering, respectively) rosette pin on Feb. 16 during the annual meeting of the AAAS in Boston, Mass.

(continued on page 4)

Names in the News *(continued from page 3)*

Johnson honored for biocontrol



Marshall Johnson

Marshall Johnson, UCCE specialist in the Department of Entomology at UC Riverside, has received the Distinguished Scientist of the Year Award from the International Organization for Biological Control — Nearctic Regional Section.

One individual is recognized annually for the award. Nominees must have spent most of their career in the nearctic region, which encompasses the United States and Canada, and have made significant contributions to the area of biological control.

Johnson has established an international reputation for outstanding contributions to the fields of biological control and entomology in research, teaching, extension and administration.

During the past three decades, he has advanced entomology by developing and implementing successful integrated pest management programs in several cropping systems. He has elucidated the relationships between economically important pests and their natural enemies and used this information to enhance biological control, thereby improving pest control and reducing reliance on insecticides. He has also been a leading contributor to understanding and mitigating negative effects of pesticides on pest control, including pesticide resistance, pest resurgence and secondary pest outbreaks. Much of Johnson's work has focused specifically on the integration of natural enemies into systems where heavy pesticide use is common such as vegetable crops.

Morse honored by citrus industry

Joseph G. Morse, professor in the Department of Entomology at UC Riverside, is this year's recipient of the California Citrus Quality Council's prestigious Albert G. Salter Memorial Award in recognition of "his steadfast dedication in the field of entomology which has contributed vitally to the California citrus industry."



Joseph Morse

For more than three decades, Morse has provided timely research results and valuable educational resources to California citrus growers and pest control advisors that have enabled the continued economic well-being of the citrus industry. His extensive efforts in studying the control of citrus thrips, a primary pest of concern to the industry, has led to the registration of new materials needed for its management as well as a continued search for nonchemical alternatives.

An accomplished researcher, educator and administrator, Morse has focused much of his effort on pests of quarantine concern in export markets, which are critical to the economic viability of the industry. His field studies and publications on Fuller rose beetle are vital as this pest continues to threaten the industry's access to essential markets.

Morse has specialized in the areas of integrated pest management, invasive species research, applied biological control, parasitoid behavior and ecology, insectary rearing of natural enemies, the acute and sub-lethal impact of pesticides on both target pests and non-target organisms, modeling and computer simulation, and pesticide resistance.

Karle honored by Young Farmers & Ranchers



Betsy Karle

The California Young Farmers & Ranchers presented Betsy Karle, UC Cooperative Extension dairy program representative in Glenn County and junior specialist in the Department of Plant Sciences at UC Davis, with its Excellence in Agriculture award.

A mother of two young children, Karle serves actively in agricultural education activities through the county fair and serves as an unofficial liaison between the Glenn County Farm Bureau and the local 4-H program.

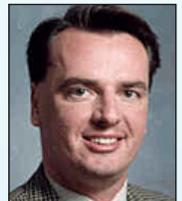
Karle, who has a master's degree in agro-ecology, is partner with her husband, Michael Karle, in his veterinary practice and raises registered Holstein dairy cattle and Angus beef cattle.

For her award, Karle earns a \$4,000 cash prize. Contest sponsors include Cathie and Dick Bradley, the California Association of Pest Control Advisers, Farm Credit West, CoBank, American AgCredit and State Compensation Insurance Fund.

Karle will represent California in national competitions to be held at the American Farm Bureau Federation Annual Meeting in Nashville in January.

Mitloehner contributes to PCAST report

Frank Mitloehner, professor and UCCE specialist in the Department of Animal Science at UC Davis, served as a member of the PCAST agricultural preparedness working group that helped prepare the "Report to the President on Agricultural Preparedness and the Agriculture Research Enterprise," published in December 2012. The President's Council of Advisors on Science and Technology (PCAST) is an advisory group of the nation's leading scientists and engineers, appointed by President Obama to augment the science and technology advice available to him.



Frank Mitloehner

The report addresses the scientific challenges facing the nation's agricultural research enterprise, including water issues, pests and pathogens, food safety, food security, and growing food in a changing climate. The report makes recommendations on how to refocus and rebalance the federal government's support of agricultural research to enable U.S. farmers to meet the challenges facing agriculture in the 21st century. A copy of the report is available at http://www.whitehouse.gov/sites/default/files/microsites/ostp/pcast_agriculture_20121207.pdf.

Retirements

Kent Brittan

After nearly 34 years of advising Central Valley growers, Kent Brittan, UC Cooperative Extension advisor for Yolo, Solano and Sacramento counties and director of UC Cooperative Extension in Yolo County retired on Nov. 1.



Kent Brittan

"Kent has been a great resource in Yolo County," said Richard Rominger, a long-time grower in Winters and deputy secretary of the U.S. Department of Agriculture during the Clinton Administration.

Over a number of years, Rominger and his sons have provided Brittan with plots of land for studying different varieties of wheat, barley, oats and triticale, a cross between wheat and rye.

In addition to small grains, Brittan also had variety trials for corn, safflower, canola and sunflower seed production in other parts of Yolo County and in Solano and Sacramento counties. He was instrumental in starting triticale grain production in Northern California.

Brittan earned a bachelor's degree in biology at San Jose State University in 1977. After graduation, the Bakersfield native began his career with UC Cooperative Extension as a staff research associate studying cotton at the USDA Cotton Research Station in Shafter.

In 1995, after earning a master's degree in vegetable crops at UC Davis, Brittan was appointed director for UCCE in Yolo County and UCCE advisor for Yolo, Solano and Sacramento counties.

Brittan has been granted emeritus status so he may continue small grains research, or he may pursue his interests in photography and mass transit trains.

Rachael Long has succeeded him as county director.

Read the full story at <http://ucanr.org/?blogpost=8875&blogasset=52101>.

Lynn Deetz

After a UC career spanning 29 years, Lynn Deetz, director of Contracts and Grants, will retire on Dec. 31.

Deetz started her career with the University in 1981 as an administrative assistant with the Astronomy Department/Radio Astronomy Lab at UC Berkeley. After a two-year absence, she returned to UC Berkeley to work in the Sponsored Projects Office, where



Lynn Deetz

she served as a Contract and Grant officer for 10 years. In 2001, Deetz became a Contract and Grant officer for UCOP's Research Administration Office. She joined ANR's Office of Contracts & Grants in April 2004.

Deetz received her B.A. in anthropology, with a minor in linguistics, from Sonoma State University. While attending Sonoma State and for three years after graduation, she worked on archaeological projects throughout Northern California as a staff archaeologist for the SSU Anthropological Studies Center.

In retirement, Deetz plans to move to Santa Barbara to be closer to her children, grandchildren and the beach.

Lorrie Mandorlao

Lorrie Mandorlao, executive secretary for the vice president, will retire Dec. 31 after 37 years of ANR service.



Lorrie Mandorlao

Her UC career began in 1975 as a graphic compositor typing manuscripts in ANR's word processing center in Berkeley. In 1979, Mandorlao became a principal clerk in ANR Publications' warehouse before leaving in 1985 to join the *California Agriculture* staff as publications assistant at UCOP. For the journal, she shepherded manuscripts through the peer-review process and managed the subscriber list.

In 2001, Mandorlao joined News and Information Outreach as public information assistant, managing distribution of news releases, producing the employee newsletter ANR Report, providing staff support for the UC president's agricultural community visits and organizing advocacy training for academics.

For the past three years, Mandorlao has served as executive secretary for Barbara Allen-Diaz.

Prior to joining UC, Mandorlao was a typist for the USDA Agricultural Research Service in the Western Regional Research Center in Albany for two years.

Mandorlao plans to work at Salesian High School in Richmond and spend more time with her baby granddaughters.

In memoriam

Adel Kader

Adel Kader, UC Cooperative Extension specialist emeritus and professor emeritus in the Department of Plant Sciences at UC Davis died of a heart attack while returning to Davis from a postharvest conference in South Africa on Dec. 10. He was 71.



Adel Kader

A native of Egypt, Kader earned his bachelor's degree in horticulture from Ain Shams University in Cairo, then came to UC Davis in 1961 to pursue graduate studies. After earning his master's in vegetable crops and Ph.D. in plant physiology, he returned to Cairo to teach and conduct research at Ain Shams University for six years. In 1972 he joined the UC Davis faculty and he became a U.S. citizen in 1976.

The postharvest physiologist published more than 230 technical publications, and edited and co-authored a book titled "Postharvest Technology of Horticultural Crops." The third edition of the book has sold more than 5,700 copies in English and has been translated into Spanish. When he died, Kader was coordinating the writing of the fourth edition.

His signature achievement is arguably the development of the UC Davis Postharvest Technology Center as the world's best source for postharvest information and education. His vision established the annual Postharvest Technology Short Course, now in its 35th year. To ensure the center's continued vitality, he also developed the UC Davis Postharvest Program Endowment Fund.

After his retirement in 2007, Kader served as a key player in the Global Horticulture Assessment, which laid the foundation for the development of the Horticultural Collaborative Research Support Program (Horticulture CRSP). As an advisor during the writing of the proposal to the U.S. Agency for International Development, and as a member of its International Advisory Board, he made significant contributions to the success and direction of the program.

Kader is survived by his wife of 49 years, Aileen, daughter Soad (Susu), son Sami and his wife Shantel, and two grandchildren.

The Kader family has created a Facebook memorial page for him at www.facebook.com/AdelKaderMemorial. In lieu of flowers, his family has requested that any gifts may be made to the Postharvest Program Endowment Fund. A memorial service will be held on Jan. 26 at the Buehler Alumni and Visitors Center at UC Davis.

Read more about Kader's career at http://postharvest.ucdavis.edu/Postharvest_Blog/?blogpost=8901&blogas_set=37576.

Fumio Matsumura

Fumio Matsumura, 78, professor in the departments of Environmental Toxicology and Entomology at UC Davis, died Dec. 6 in Sacramento following a brief illness.



Fumio Matsumura

Matsumura, a member of the UC Davis faculty since 1987, was a former director of the Center for Environmental Health Sciences, editor-in-chief of the journal, *Pesticide Biochemistry and Physiology*, and wrote the classic textbook, *Toxicology of Insecticides*, first published in 1975 and used by generations of college students throughout the world, including in UC Davis classes.

Born Feb. 5, 1934 in Japan, Matsumura received his bachelor's degree in agricultural biology in 1957 from the University of Tokyo, his master's degree in entomology in 1959 from the University of Alberta, and his doctorate in entomology from the University of Western Ontario in 1961.

His research involved the environmental toxicology of pesticides and dioxin-type chemicals, toxicology of pollutants, microbial degradation of toxicants, insect toxicology, and extensive studies of biologically active substances, oncogenes, and protein kinases.

He did postdoctoral work at the University of Wageningen, Netherlands, and Cornell University. In 1964 he joined the Department of Entomology at the University of Wisconsin, Madison. In 1977 he was appointed director of the Pesticide Research Center at Michigan State University. He joined the UC Davis faculty in 1987 as associate director of the Toxic Substances Program and later served as director of the Center for Environmental Sciences.

His many activities included serving as director of the IR-4 Leader Laboratory and member of the IR-4 national Technical Committee.

Matsumura, who never retired, received the International Award for Research in Agrochemicals from the American Chemical Society, among many other awards and honors.

Matsumura is survived by his wife, Teruko, of Davis, sons Ichiro of Atlanta, Ga., and Miko and his wife Lis of San Jose, and grandson Jackson. The family plans to establish a memorial fund in his honor through the UC Davis Foundation. – Kathy Keatley Garvey

Read more about Matsumura's career at http://entomology.ucdavis.edu/News/Fumio_Matsumura__1934-2012.

UNIVERSITY OF CALIFORNIA Division of Agriculture and Natural Resources (ANR)

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