

Outreach Here and Abroad

**U.C. COOPERATIVE
 EXTENSION/
 COUNTY OF VENTURA
 FARM ADVISOR**

669 COUNTY SQUARE DR. #100
 VENTURA, CA 93003

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One of the most important works our UCCE advisors perform is educating the public on current research and best practices for agricultural production and conservation. Sometimes that goal takes them to other areas of the globe where they put their knowledge and experience to use in teaching the local population and in turn learning from them.

This issue is devoted to our advisors' experiences outside of the United States. Their international projects include sabbatical research, USAID assignments and emeritus projects. Advisor staff have studied agriculture and horticulture in Turkey and New Zealand and extended agriculture education in Africa, the Dominican Republic, Cuba and South America.

Invariably, our advisors return with a deeper appreciation and understanding of cultures and practices that can differ in many ways from what they are used to at home. USAID projects often take them to third world countries where the infrastructure and resources that we take for granted are lacking or underdeveloped. Providing relevant information and viable applications for water conservation and plant production can mean a lot to struggling village communities.

We hope you will enjoy learning about some of our international outreach and education efforts. These global experiences translate out to our county's agricultural community by further enriching our base of knowledge and extending it through improved practices and local application.

We're the University of California Cooperative Extension/Farm Advisor...

The Cooperative Extension system represents a national, publicly-funded, nonformal educational system that links educational and research activities and resources of the U.S. Department of Agriculture (USDA), land grant universities, and county administrative units.

This system includes professionals in each of America's original land-grant universities created in 1862, the land-grant universities added in 1890, and land-grant colleges added in 1994. In California, the land-grant institution is the University of California.

CE specialists are integrated into academic departments at UC Berkeley, UC Davis, and UC Riverside, where they conduct research and develop new technologies.

CE specialists work to connect local CE advisors to the campus-based Agriculture Experiment Stations and other resources that may provide appropriate research and new technologies to address myriad issues and needs throughout California.

University of California Cooperative Extension (UCCE), known in the county as the Farm Advisor, takes information developed on its campuses and research centers, and makes it available to local communities. In addition, CE experts conduct applied research of their own to address local county problems in the areas of sustainable agriculture and natural resources, water quality, exotic and invasive pests gardening, nutrition, youth development, and family and community development.

UC COOPERATIVE EXTENSION REPORT

Spring 2012

UCCE Advisor Dr. Oleg Daugovish's USAID Project in Kenya



In June of this year, UC scientists Steve Fennimore, Jeff Mitchell and UCCE advisor, Oleg Daugovish, went to the Kitui District of Kenya on a USAID assignment as part of a collaborative effort with the Sahelian Solution Foundation (SASOL). Since 1992 SASOL has been constructing dams and working with Kitui communities to address water scarcity and issues of community development and agricultural production.

The scientists' objective was to provide training and demonstrations to help people in the region make better use of sparse resources. The majority of farmers in the Kitui region are women. Water is limited and crop production is so poor in some areas that meals are restricted to once a day. Some villages have no road access and a usual practice is for locals to carry water by hand from wells or dams for household or agricultural uses.

The scientists assessed inefficient watering practices such as flooding small basins and performed nitrogen tests on the vegetable crops. The UC visitors then met with village leaders to provide training and

demonstrations on topics including:

- Gravity-flow drip irrigation systems from water tanks to individual beds with irrigation lines
- Use of mulches on soil to minimize evaporation and enhance soil conservation
- Solarization, nursery for transplants, diseases and insects, training tomato plants and culture
- Soil types, determination of soil moisture, quick nitrogen test, use of cover crops and mulches
- Water quality (pH, hardness, salts), organic fertilizers, collection and use of urine as a rapidly available nitrogen source.

The information was shared in other villages such as Maito, Kituvwi and Kathyon where kale, onions, some tomatoes and green grams (*Phaseolus aureus*) are commonly grown. SASOL will continue the training for villages not reached during this visit.

Many questions were asked by the village representatives who were receptive to the training and welcoming to the visitors. The villages fed the scientists with a stew of corns and beans, supplemented by avocado slices or bread, with tea and milk to drink.

Dr. Daugovish summarized the experience, "Collaboration with SASOL was instrumental in transferring information to villages unable to take part in

the training. I have been informed recently by a SASOL representative that these villages were able to grow a good crop of tomatoes this year for food. I feel we have made a positive impact in improving crop production and food sources in the area"

The final day of the trip was spent at the South East University College. Here UC scientists gave a seminar on the role of UCCE in the community, a lecture on anaerobic soil-borne pest control and discussed the potential for agricultural experimentation and collaboration between the two universities.



Jeff Mitchell performs Nitrogen Quick test demonstrations to villagers for determining levels of nitrogen in the soil.



Steve Fennimore demonstrates and trains on drip irrigation systems for village representatives.

Farmer to Farmer Extension Visit in the Dominican Republic

In December 2011 Dr. Oleg Daugovich visited the Dominican Republic as part of a Farmer to Farmer program to evaluate areas of the country for suitability for the production of strawberry and vegetable crops.

The positive factors for crop production in the Dominican Republic are: favorable climate, abundance of water appropriate for irrigation and the availability of local labor. However, the quality of planting material and soil that contains no pathogens are also essential and often are not available in the country.



A mixed production farm in the Costanza Valley.

Dr. Daugovich visited several fields including Thomas Villaman's and those in the Jarabocoa area, Manabao, Dahao and San Jose de Ocoa. In Ocoa he gave a presentation to agriculture professionals and officials from areas near the Agriculture Center in Santo Domingo.



He emphasized the importance of conducting research trials and extension activities in growers fields to advance best practices and eliminating those practices that are not.

According to Dr. Daugovich the area has a lot of potential, but they need to improve the quality of planting material by either importing quality plants or developing systems to grow them locally.



The only commercial insectary in Turkey. It ships beneficial insects in the Middle East and Europe.



The Cukurova Plain with new plantings of mandarins. The Tarsus Mountains are in the background.

Dr. Ben Faber's Year in Turkey

Dr. Ben Faber, UCCE's citrus, avocado and stone fruit advisor, returned in August from a year long sabbatical in Adana, Turkey. There he resided at the largest agricultural university in the country, Cukurova University, and collaborated with faculty on several research projects in the Soils, Plant Protection and Horticulture Departments.

One of his projects involved evaluating treatments for iron chlorosis in peaches and apples. Trials were performed on various mixtures to test treatment effectiveness. Another trial evaluated timing and girdling of avocado branches to evaluate the effect on fruit size and yield on eight different varieties.

Dr. Faber was also invited to a variety of grower's orchards that he visited periodically and observed how they performed over the seasons. Citrus has only been planted as a major crop in Turkey since the 1970's and the growers there are eager to gather information on combating plant diseases and pest infestations.

Although most of the crops grown in Turkey are consumed domestically, most citrus is exported to Russia and the Ukraine. It was interesting for him to discover that fewer pesticides are used on citrus grown in Turkey because Russia has imposed strict export rules on pesticide residues.

Turkey is currently enjoying an economic boom resulting in new construction, improvements and agricultural growth. A former Peace Corps volunteer who served in Togo, Africa, Dr. Faber greatly enjoyed his time in Turkey and hopes to return again. According to Dr. Faber, "It was fun being in such a dynamic country where the people are so courteous and where the food is so good."



Nursery Production in Australia

In 2010 our floriculture and nursery production advisor, Julie Newman, visited a number of nurseries in Queensland and the Brisbane-Gold Coast area of Australia. Here she found many similarities to California in terms of industry issues and practices, but considerable differences in nursery industry organization and extension service.

The nursery industry in Australia is located primarily on the east coast and the vast majority of their production is sold to domestic markets. Although their production is smaller than California, the industry has a tightly organized association structure and broad membership that allows it to effectively address issues and raise funding and resources.

Julie Newman's tour also included learning more about how the Australian nursery industry addresses water issues. Although drought is common, the area is subject to uncharacteristic rainfall and flooding that can severely damage nursery crops.

Budget issues have impacted the way extension services are delivered, a model that has both advantages and disadvantages. In Australia the emphasis is on demand programs as opposed to the research-based model practiced in California.

When she returned home, Julie Newman was able to extend her findings to local greenhouse and nursery producers.

Citrus Assessment in Bolivia

In 2009 CE emeritus entomology advisor, Dr. Phil A. Phillips, visited Palos Blancos and surrounding areas in Bolivia as part of a ACDI/VOCA mission to Bolivia. ACDI/VOCA is a private, nonprofit organization that promotes broad-based economic growth, higher living standards and vibrant communities in low-income countries and emerging democracies.

Here Dr. Phillips performed assessments in the Alto Beni district to understand why the area has suffered significant reductions in citrus production. He found a variety of pests that have been causing wide spread phytophthora root and trunk rot in the trees.

Based on his observations, he made recommendations on best practices to mitigate further damage. Dr. Phillips also performed farmer training in the production areas visited and at the University of San Andes in Sapecho. The farmers were enthusiastic and received information on pest management practices to help improve their fruit quality and yield.

Dr. Phillips enjoys extending his knowledge to underserved areas and participates regularly in train the farmer projects.



Environmental Work in Cuba

UCCE Emeritus youth advisor, Michael Marzolla, joined a study tour of Cuba in 2009 to observe green practices that can be implemented in the United States. The trip was sponsored by the North American Association for Environmental Education where he is co-chair of the international commission.

In Cuba, he was surprised at the extent to which the country has committed to energy saving and "green" practices. Energy-saving lighting is the standard. The government has also provided the populace with bio-energy refrigerators.

The country is also pushing solar- and wind-powered technologies and decentralizing power stations to smaller, more efficient units.

As a result of trade embargos and shortages, the people of Cuba began growing more of their own food and the government in turn has initiated a program of converting vacant lots into gardens. Most gardening is organic as access to pesticides is limited.

He also spent time at a sustainable living center that provides nutrition education and training in cooking and urban gardening.

Marzolla enjoyed his visit and was impressed with Cuba's efforts in moving toward greener methods. He is a former Peace Corps volunteer who served in Guatemala.



Dr. Rose Hayden-Smith Named Statewide Strategic Initiative Leader

UCCE youth, family and community development advisor Rose Hayden-Smith has accepted leadership of the Sustainable Food Systems (SFS) initiative. Members from throughout the state will participate in panel discussions on a variety of topics, including the role of California in the global food system, water, local and regional food systems, public policy, climate change, food safety, controversial issues and using social media for outreach.

Participants from around the state met in October at a conference to provide opportunities for UC academics working in all areas of sustainable food systems to learn about the work of other UC academics, deepen

connections and explore opportunities for collaboration.

Dr. Hayden-Smith has also been active in reviewing requests for proposals for the UC's ANR Competitive Grant Program which supported 21 projects last year and invested in research, education and outreach to support high-priority issues consistent with ANR's Strategic Vision.

In her advisor role, Rose develops programs for youth, families and communities that focus on agricultural literacy and gardening. She previously worked with the Master Gardener Program and the UC Hansen Agricultural Center as educational programs coordinator. Recently she served as



Dr. Rose Hayden-Smith

a Kellogg Food and Society Policy Fellow. As a Kellogg fellow, Hayden-Smith developed a national media and educational campaign to promote school, home and community garden efforts and public policies that would support those efforts.

3rd Annual Symposium Held

In November we held our 3rd Annual Symposium sponsored by the UC Hansen Agricultural Center and the Ventura County Farm Advisor/UC Cooperative Extension.

The symposium focused on Invasive Species and provided updates from expert UC research and academic staff on the Asian Citrus Psyllid, giant reed invasion in Ventura County and an aquatic invader threat to water supply and native aquatic life.

Invasive species pose significant threats to the county's agriculture industry. Several agencies have been collaborating to get the message out to the public in order to increase awareness and foster vigilance to prevent the spread of these threats.

Mastering the Garden Every Year

The Ventura County Master Gardeners have kicked off the year with a wide variety of gardening subjects to master. From January through May they meet on Thursdays to learn the following curriculum:

- Pruning
- Overview of gardening practices
- Basic botany
- Grafting & tree pruning
- Plant propagation
- Soils and fertilizer management
- Composting, mulching and the use of organic materials
- Basics of entomology
- Basics of plant pathology and common diseases



- Vegetables
- Diagnosing insect problems and plant problems
- Selection and care of perennials, lawns, trees and woody plants
- Horticulture
- Weed and weed identification
- Urban agriculture, public policy for school, home and community gardens
- Sustainable landscaping

The Master Gardeners conclude their year in May with a graduation ceremony and celebration in December that includes pot luck dishes with ingredients grown in their gardens.



WEB SURFING

Take a cruise on the information highway...

About Our Newsletters

UCCE offers a variety of newsletters designed to inform the public about our research, activities and staff.

Landscape Notes:

This newsletter offers informative articles, tips and updates for those in the commercial landscape industry. A recent issue focused on digital diagnosis and recommended guidelines for using electronic images in diagnosing plant pathogens. To read this article and access other issues and information on upcoming workshops and seminars please link into the following webpage:

http://ceventura.ucdavis.edu/news/Landscape_Notes/

Clover Lines:

This fun and popular newsletter is for 4-H members and leaders in Ventura County. The publication features events, activities, and opportunities for youth aged 5-19 and articles on local 4-H club projects. A new issue comes out every month and the latest includes a feature study on the positive effects of 4-H participation on young people. To check out what's going on with 4-H please link to the following newsletter:

http://ceventura.ucdavis.edu/news/Clover_Lines/

Topics in Subtropics:

This is the newsletter to go to for informative updates on citrus, avocados and minor subtropicals. Agriculture advisors throughout the state contribute to this publication with articles on invasive pests and plants, planting and maintenance recommendations, water, fertilizers and other topics relevant to these crops. Visit this website and view the variety of topics available in "Topics in Subtropics:"

http://ceventura.ucdavis.edu/news/Topics_in_Subtropics/

Farm Water Quality News:

This is a statewide UCCE publication focused on integrating environmental quality standards with crop production. It's been on hiatus, but we're expecting some new issues in the future. The following link will take you to these newsletters:

http://ceventura.ucdavis.edu/news/Farm_Water_Quality_News/

UCNFA News:

The UC Nursery and Floriculture Alliance (UCNFA) serves the educational needs of the various agricultural production industries in California that produce greenhouse ornamental crops and outdoor nursery products. UCNFA News focuses on issues and new research in subject areas of interest to the nursery and floriculture industry.

http://ceventura.ucdavis.edu/news/UCNFA_News_formerly_CORF_News/

Environmental Fotonovelas

Emeritus Youth Advisor Michael Marzolla and his Fighting for Our Environment Team have created several English and Spanish language fotonovellas with the goal of spreading environmental awareness.

The foto stories are designed to be fun and accessible to youth while raising consciousness on taking good care of the environment.

The group's "Fighting for Our Environment" video won a Green Shorts award. The fotonovellas can be accessed at the following website:

<http://gallery.me.com/ammarzolla#100366>



Published Research—A Busy Year



UCCE Ventura County academic, research and program staff publishes the results of the wide-range of research that UCCE conducts, so that it may benefit others and increase the body of knowledge available on topics vital to the sustainability of agriculture. This is an area in which Ventura County staff excels. Below are publications and abstracts produced in the last year by members of our staff.

Daugovish, O., M. Bolda, S. Kaur, M. Mochizuki, D. Marcum, and L. Epstein. 2012. Drip Irrigation in California Strawberry Nurseries to Reduce the Incidence of *Colletotrichum acutatum* in Fruit Production. *HotScience* 47(3):1-6

Koike, S. T. T., R. Gordon, **O. Daugovish**, H. Ajwa, M. Bolda, and K. Subbarao. 2012. Recent Developments on Strawberry Plant Collapse Problems in California Caused by *Fusarium* and *Macrophomina*. Accepted to the *Journal of International Fruit Science* (Acceptance letter available on file)

Koike, S. H. Liu, J. Sears, T. Tian, **O. Daugovish** and S. Dara. 2011. Distribution, cultivar susceptibility, and epidemiology of *Apium virus Y* on celery in coastal California. Accepted to *Plant Disease*, Oct 2.

Daugovish, O., **B. Faber**, **M. Mochizuki**. 2011. Drip irrigation for establishment of strawberry transplants in southern California. *Acta Hort.* (ISHS) 889:507-512. Available on line at: http://www.actahort.org/books/889/889_64.htm

Samtani J. B., H. A. Ajwa, S. A. Fennimore, R. E. Goodhue, **O. Daugovish** and Z. Kabir. 2010. Weed Control Efficacy and Economics of 1,3-Dichloropropene and Chloropicrin Applied at Reduced Rates under Impermeable Film in Strawberry Beds. Accepted to *HortScience* on September 28, 2010.

Tourte, L and **B. Faber**. 2011. *Small Farm Handbook* 2nd Ed. UC ANR Pub. 3526. pp.182.

Faber, B., M. Gaskell, A. Baameur, M. Bolda, S. Tjosvold and M. de la Fuente. 2011. Growing crops. *In: Small Farm Handbook*, Tourte and **Faber**, eds.: 101-124.

Kacar, Y. and **B. Faber**. 2012. Micropropagation of banana. *In: Plant cell culture protocols* 3rd Ed., V. Loyola-Vargas and N. Ochoa-Alejo eds., Springer. pp: 285-304.

Newman, J., **S. Mangiafico**, D. Merhaut, L. Wu, J. Lu, D. Haver, **B. Faber** and J. Gan. 2012. Mitigating pesticide runoff from nurseries. *In: Pesticide mitigation strategies for surface water quality*, K. Goh, B. Bret, T. Potter, and J. Gan. *A. Chemical Soc.* Vol. 1075. pp. 77-94.

Adesemoye, A., A. Eskalen, **B. Faber** and N. O'Connell. 2011. Multiple *Botryosphaeria* species causing 'Dothiorella' gummosis in citrus. *Citrograph* 2(2): 32-35.

Adesemoye, A., A. Eskalen, and **B. Faber**. 2011. Dry Root Rot of Citrus. *Citrograph* 2(1): 32-35.

Faber, B.A. 2011. Phytophthora management with avocado as a model. *In: Proceedings of Landscape Disease Symposium, 12/2/2011, Santa Paula, CA.* pp. 22-25.

Adesemoye, A. A. Eskalen, **B. Faber**, G. Bender, N. O'Connell, C. Kallsen and T. Shea. 2011. Current knowledge on *Fusarium* dry rot of citrus. *Citrograph* 2(7): 29-33.

Rosecrance, R., **B. Faber** and C. Loyatt. 2012. Patterns of nutrient accumulation in 'Hass' avocado fruit. *Better Crops* 96(1): 12-13.

Hayden-Smith, R and **J. Newman**. California Nursery Manual. Chapter One. Accepted for publication by UC ANR.

Hayden-Smith, R. California State 4-H Program Project Sheet: 4-H Gardening Project. California 4-H Office. 2011.

Hayden-Smith, R. California State 4-H Program Project Sheet: 4-H American Sign Language Project. California 4-H Office. 2011.

Hayden-Smith, R. *Sowing the Seeds of Victory: National Gardening Programs in World War I and Why They Matter Today* (working title). Book. Accepted for publication, McFarland.

Hayden-Smith, R. UC ANR Food Blog. "Urban Agriculture: An Old Model Made New." UC ANR Food Blog. 9/13/2011. Also appeared on Civil Eats and UC Victory Grower sites under the same title; picked up by other sites. ucanr.org/blogs/food

Hayden-Smith, R. UC ANR Food Blog. "School Gardens Important in the Past...and the Future." UC ANR Food Blog. 6/7/2011. Also appeared on Civil Eats and UC Victory Grower sites under the same title; picked up by other sites, including Cal Farmer. ucanr.org/blogs/food

Hayden-Smith, R. "School Gardens Are Here to Stay." *Kitchen Gardeners International.* /31/2011. Also appeared on Civil Eats and Victory Grower websites. www.kitchengardeners.org

Hayden-Smith, R. "Radical Homemakers: Reclaiming Domesticity." *Civil Eats.* 12/1/2010. www.civileats.com

Published Research, continued



Hayden-Smith, R. "Grant High School Grows Food and Leadership." UC ANR Food Blog. 11/20/2010. (Also appeared on the Victory Grower website). ucanr.org/blogs/food

Hayden-Smith, R. "Sowing the Seeds of Victory: The work of the United States School Garden Army and the Woman's Land Army in World War I." 8/2011. Submitted to the Agriculture History Society; accepted for presentation at the society's national conference in 2012.

Hayden-Smith, R. American Planning Association (California Chapter). "Urban Agriculture." 3/2011. Submitted to the American Planning Association and accepted for presentation at its statewide conference in Santa Barbara fall 2011.

Schuch U. K. Schuch, H. Lieth, and **J. Newman**. Controlling plant growth. In Newman, J. (Technical Editor). Container Nursery Production and Business Management Manual. Univ. of Calif. Agric. and Nat. Resour. Publication. Oakland, CA. (In press.)

Newman, J. 2011. Water Quality Resources for Strawberry Growers in Ventura County. Ventura County Publication.
http://ceventura.ucdavis.edu/Com_Ag/Ag_Water/Resources_for_Strawberry_in_Ventura/

Newman, J. 2011. Water Quality Resources for Strawberry Growers in Ventura County and the Central Coast. Ventura County Publication.
http://ceventura.ucdavis.edu/Com_Ag/Ag_Water/Resources_for_Strawberry_Central/

Newman, J. 2011. Mitigating pesticide runoff while managing invasive pests. UCNFA News 15 (3):22.

Newman, J. 2011. Irrigation Technology: Award-winning Irrigation. Greenhouse Management 31 (6):12-13. Feature story.

Newman, J. 2011. Managing Pesticide Resistance. Greenhouse Management 31(6):54.

Newman, J. 2011. How Aussie nursery growers are addressing water issues: Part II. UCNFA News 15(2): 13-14. Feature story.

Newman, J. 2011. Field Observations — New serious pest found in Ventura County: Asian citrus psyllid. UCNFA News 15(2):14.

Newman, J. 2011. Battling botrytis blight. Greenhouse Management 31(2):62.

Newman, J. 2011. The Australian ornamental production industry: How things work down under. UCNFA News 15(1):11-12.

Newman, J. 2011. How Aussie nursery growers are addressing water issues: Part I. UCNFA News 15(1):18-19. Feature story.

Newman, J. 2011. "New" ag waivers from two regional water quality control boards UCNFA News 15(1):1-4.

Newman, J. 2010. Water conservation. Greenhouse Management 30(11): 42-43.

Merhaut, D., L. Corkidi, T. Khuong, **J. Newman, M. Mochizuki**, M. Melvin, J. Krist. 2011. Implementation of Best Management Practices to Reduce Agricultural TMDL Loads in the Calleguas Creek and Santa Clara River Watersheds - 9th Quarterly Report. Los Angeles Regional Water Quality Control Board. Los Angeles Regional Water Quality Control Board. 206p.

Merhaut, D., Corkidi, L., Khuong, T., **Newman, J., Mochizuki, M.**, Melvin, M., Krist, J. 2011. Implementation of Best Management Practices to Reduce Agricultural TMDL Loads in the Calleguas Creek and Santa Clara River Watersheds - 8th Quarterly Report. Los Angeles Regional Water Quality Control Board. Los Angeles Regional Water Quality Control Board. 313p.

Merhaut, D., Corkidi, L., Khuong, T., **Newman, J., Melvin, M., Krist, J., Mochizuki, M.** 2010. Implementation of Best Management Practices to Reduce Agricultural TMDL Loads in the Calleguas Creek and Santa Clara River Watersheds - 7th Quarterly Report. Los Angeles Regional Water Quality Control Board. Los Angeles Regional Water Quality Control Board. 685p.

M. Bianchi, S. Dara, **B. Faber**, M. Gaskel, **J. Newman**. Plant Sciences/Horticulture. In Santa Barbara County UC Cooperative Extension Program Progress Report, April - June 2011.

M. Bianchi, S. Dara, **B. Faber**, M. Gaskel, **J. Newman**. Plant Sciences/Horticulture. In Santa Barbara County UC Cooperative Extension Program Progress Report, January 1 - March 31 2011.

Newman, J. Critical Issues in Ventura County Agriculture Addressed by the Environmental Horticulture Floriculture & Nursery Crops Program. Report prepared for orientation of new County Chief, 1/20/11. 3 pp.

M. Bianchi, S. Dara, B. Faber, M. Gaskel, **J. Newman**. Plant Sciences/Horticulture. In Santa Barbara County UC Cooperative Extension Program Progress Report, July 1, 2010- December 2010.

Save the Date....

4/3 - Fumigant Alternatives and Soil-Borne Pathogens field day. Guest speakers present regulatory and research updates. 8:30-11:30 am. Terry Farms. Contact for questions. Oleg Daugovish, 805-645-1454.

Master Gardeners speaker series open to the public:

At the ARC Ojai Enlightenment Center:

A series of lectures on soil, tomatoes and container gardening. All 9:00-11:00 am.

At the Camarillo Library:

A series on growing vegetables, sustainable yards and gardens, tomatoes and seeds. Hansen Agriculture Center in Santa Paula.

At the Simi Valley Senior Center:

A series on introduction to gardening, soils, tomatoes, container gardening, roses and citrus. All 1:30-3:30 pm.

At the Goebel Center in Thousand Oaks:

Speaker series on tomatoes, seed collection, roses, orchids, sustainable landscaping, and wildlife, birds & butterfly garden. All 9:45-11:00 am.

At the Hansen Agricultural Center in Santa Paula:

5/19—"Mastering Your Home/Garden Workshop." Focus is on growing orchids and succulents. Hansen Agricultural Center in Santa Paula from 8:00-noon. Call 805-525-9293 ext. 204 for information & costs.

For registration, dates, times and more information about the Master Gardener speaker series visit:

<http://ucanr.org/sites/VCMG/?calendar=yes&g=28738>



What's Going On Here? Help Us Figure This Out!

While Dr. Oleg Daugovish was in Kenya he snapped a picture of this interesting situation. We've speculated on several theories about what might have been going on. Was it a relay race with cow as baton? A third world seatbelt? A fraternity prank? We don't know.

We'd like to hear your theory. Send it to ceventura@ucdavis.edu and we'll post the most original submittals in our next newsletter.

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**U.C. COOPERATIVE
EXTENSION/
COUNTY OF VENTURA
FARM ADVISOR**

**669 COUNTY SQUARE DR. #100
VENTURA, CA 93003**

Our mission is to serve the people of California through the creation, development and application of knowledge in agricultural, natural and human resources.



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****UC Hansen Agricultural Center***

***The whole purpose of
education is to turn
mirrors into windows."
Sydney J. Harris***