



Citrus Leaves

December 2005

UF/IFAS Citrus Research and Education Center - News and Information

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Citrus Leaves
is the monthly newsletter for
employees and friends of CREC.

Citrus Leaves welcomes your
contributions, suggestions and
corrections.
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Nancy Burke.

Holiday Greetings from The Director's Office

A nother year is approaching its end. If we still relied on wall calendars, rather than Outlook, or PDA's or other e-conveniences, we could at a glance see that a lot has occurred in 2005. First, the Florida citrus industry, our major constituent group and closest of friends, has experienced one of the most dramatic years in history, with recovery from the hurricanes of 2004 and the onset of new hurricane impacts from Wilma in late 2005. Add to that the concerns over canker and now, the discovery of greening, and it is clear that our industry is facing unprecedented challenges.

At CREC, 2004 saw the addition of two new faculty members, Dr. Jose Reyes and Dr. Reza Ehsani. Jose and Reza and their families joined the CREC family in April. We also have seen the addition of new staff, post-doctoral associates, students and visiting scientists at CREC. Welcome to you all! We are happy you have joined us. This is balanced with the loss, through retirement or career moves, of a number of faculty and staff. Count among these Pam Russ, Clay McCoy, Richard Buker, Mickey Parish, Carl Childers, Dennis and Monica Lewandowski, and Bill Miller. Many others can be added to this list.

People come and go, but I feel it is important to pause to recognize their individual contributions to CREC, IFAS, UF, and to the clients we serve. Commitment, hard work and enthusiasm lead to progress and accomplishment at all levels.

I offer a year-end salute to all of the outstanding contributions that you have made during this year. And, as we look to 2006, I ask for your commitment to continue the important work in research and education that is our charge at CREC. The shared commitment of all working together will allow us to help address the challenges of the Citrus industry and Floridians in general. With direction and support, we will continue to contribute in a positive way to apply the best science to important challenges.

Also important are the families that we are all part of. We hope that you will be able to enjoy time with family and friends around the holidays. A break from the routine is always good, and offers a chance to reflect and, at the same time, look forward to a new year.

Thanks to all for your contributions and best wishes for a joyous Christmas and a Happy New Year.

Dr. William M. Miller Retired November 30, 2005



Photo by Gretchen Baut

Dr. William M. Miller, Professor of Agricultural and Biological Engineering, retired on November 30, 2005 after 30 years of service with the University of Florida, IFAS, Citrus Research and Education Center, Lake Alfred, FL. Miller started his research program at CREC in the fall of 1975.

He and his wife, Kathy, are both natives of Pennsylvania where he received his undergraduate and graduate degrees from the Pennsylvania State University (1969-B.Sc., 1971-M.Sc., and 1973-Ph.D.). After receiving his doctorate, he was an Asst. Professor in the Bio-Resource Dept. at the Technical University of Nova Scotia from 1973 to 1975.

During his years here at CREC, his program has been directed toward engineering *see Miller page 5*

Dr. Mark McLellan Visits CREC Faculty and Center

Dr. Mark McLellan, new IFAS Dean of Research in Gainesville, arrived December 8, 2005, to visit and tour our facilities. A reception was held in the afternoon where he met with Faculty. Following the open forum, Drs. Larry Duncan and Jackie Burns took Dr. McLellan on a quick tour of our facilities.



CREC VOLUNTEERS AID FT. LAUDERDALE REC IN THE AFTERMATH OF HURRICANE WILMA



In the aftermath of Hurricane Wilma, the Ft. Lauderdale REC faced massive cleanup from the devastating damage. Dr. Van Waddill, Center Director, sent out a call for help to the IFAS Community to lend a helping hand with the cleanup efforts. Mike Daugherty, Wayne Tyler, Kevin Troelsen, and Mike Morris volunteered their services in Ft. Lauderdale.

The closer the team got to the area, the heavier the traffic congestion. County and State roads were clogged with vehicles. From traffic lights not working, to people hunting down water, gas, and food, travel was just one of the obstacles the CREC team encountered. The CREC Crew stay in one of the few hotels in the area that had power, 20 miles from the Ft. Lauderdale Center in Miami Springs. "The morning travel wasn't too bad," stated Mike Daugherty, "it was the afternoon traffic heading back to the hotel."

Each evening a different caravan of trucks would pile into the hotel parking lot. One night it was 20-30 power trucks, another night Dish Network trucks. On the third night, Mike recalled 20 FEMA flatbed trucks loaded down with blue tarps had arrived. He also recalled that if they weren't back by 6 p.m., you weren't getting any place to park.

The CREC team worked with Bruce Musselwhite, IFAS-Gainesville, and Bridgemohan Deosaran, Facilities-Ft. Lauderdale REC. These gentlemen had assessed most of the damage and determined the need was greatest in clearing the surrounding fence line. Most, if not all, of the Australian pines along the perimeter had toppled onto the fence, crushing most of it, and leaving the Center vulnerable to the looting rampant in the area.

Unfortunately, the trip wasn't without incident. Kevin Troelsen was thrown about 10 feet in the air from a tree that snapped back



upright once relieved of the top weight. He sustained some injuries and has been on the road to recovery.

The Ft. Lauderdale Center and the CREC community say thank you to these men for a job well done.



Top left: UF Ft. Lauderdale REC sign. **Top center:** Building and greenhouse damage. **Top right:** Australian pines destroyed the fence line. **2nd row left:** Troelsen, Bridge, and Tyler discuss a plan of action. **2nd row right:** Morris clearing branches. **3rd row left:** Troelsen and Morris clearing branches from trees. **3rd row right:** Pine tree that threw Troelsen. **Bottom:** Tyler making repairs to equipment. (Photos by Mike Daugherty)

DECEMBER HOLIDAY CLOSING AND IDENTIFICATION OF ESSENTIAL PERSONNEL

It is time to begin planning for the upcoming Holiday season and CREC closure for the period around Christmas and New Years. It is our belief that this period will be handled this year as it was last year, as follows:

CREC, like all of IFAS and UF, will be closed for business during the interval between Monday, December 26 and including Monday, January 2. Since Christmas and New Years fall on Sunday, the two Mondays (Dec. 26 and January 2) will be official holidays. The four additional week days between (Dec. 27-30) are days when the CREC also will be closed. The Florida Department of Citrus Research Division at CREC will not be closed during Dec. 27-30.

Employee category of service dictates status of employees during this period.

All Faculty and TEAMS employees will receive two days for Christmas and New Years, as well as the four days between as paid Holidays, coinciding with the UF closure period.

USPS staff members also will receive two days of Holiday for Christmas and New Years (Dec. 26 and January 2), but will need to take leave time for the four days in between (Dec. 27-30), as this period is not covered as paid holidays under USPS rules. Annual leave or approved leave without pay are the appropriate categories of leave for these days.

OPS employees will not receive paid holidays during this period and only will be paid according to their pre-approved work schedule.

With the above situation in mind, please note that it is understood that all employees will be off work during the period December 27, 2005 -January 2, 2006, returning to work on Tuesday, January 3. Supervisors, you need to work with your employees to ensure that they understand this situation.

In addition, ANY EMPLOYEES WHO INTEND TO RECORD ANY WORK TIME DURING THIS PERIOD NEED TO BE IDENTIFIED IN ADVANCE BY THEIR SUPERVISOR AS ESSENTIAL PERSONNEL. There are a number of duties and responsibilities that will be essential to perform during the CREC closure period. Employees responsible for these duties may be assigned by their supervisors to report to work to complete the assigned work. However, this must be approved in advance by IFAS administration. This occurs through submission of a list of essential personnel to our HR representatives, Dale Price and Betti Kelley. Specific dates and hours should be communicated so that the list can be specific and complete. At the risk of repeating, EMPLOYEES WILL NOT BE PAID FOR TIME REPORTED DURING THIS PERIOD UNLESS THEY ARE ON THE ESSENTIAL EMPLOYEES LIST. This applies to all categories of service, from TEAMS to USPS to OPS. If you expect that some work time will be required, please include the personnel. If they don't end up working during the period, that is ok. But if they do put in some hours and report it, then they need to be listed.

Please note that if employees are assigned to work during this period, appropriate supervision should be provided by supervisors or their designees.

Further information will be provided later regarding how each category of service will need to complete time keeping records for this period of time.

Please provide Dale or Betti with a list of your employees that will be designated as essential employees, a brief explanation of the type of work required for each, and the proposed work schedule during the period in question. Dale can answer questions that you may have.

The Security Office will be open over the holidays to assist FDOC employees and IFAS employees.

Valrie Davis--New Outreach Librarian for Off-Campus Researchers



Valrie Davis is the new Outreach Librarian in Marston Science Library. Valrie visited CREC on November 28 with Marcia Alden. As Outreach Librarian she provides service to off-campus IFAS researchers and students, and ensures that they get the same access as those on-campus. She has a master's degree in library science from Florida State University, and previously worked at Dickinson College in Pennsylvania handling reference and instruction and serving as liaison to academic departments. Valrie, who joined the faculty in August, says that it was the subject area that attracted her to the position, and that she is looking forward to visiting the research and education centers around the state. (excerpts taken from *Library News*)

Miller from page 2

applications to postharvest technology and precision agriculture. His areas of interest have included solar energy utilization, ethylene dibromide recovery in fumigation, energy conservation and refrigeration, machine vision for automated sorting, non-destructive sensing of fruit quality, advanced degreening room control, automated yield monitoring, and variable-rate granular applications to citrus.

Dr. Miller has spent sabbatical assignments with private industry (Decco Pennwalt in Monrovia, CA) and with the USDA at Kearneysville, WV. Miller has been active in planning and coordination of the ASME Citrus Engineering Conference and CREC's annual Packinghouse Day. He has been involved in ASABE at both the state and national levels and currently serves as the Food Processing Engineering Institute editor. To his credit, Dr. Miller has over the years published approximately 60 refereed publication, 60 non-refereed, and 25 various book chapters and extension publications to postharvest technology and precision agriculture.

LIBRARY CORNER WITH MARCIA ALDEN

In an effort to provide faculty and staff with the most up-to-date research tips and tricks, Marcia Alden continues to provide excellent service and information. This month, Marcia has provided us with information on RefWorks, a monthly newsbrief from Valrie Davis.



Tired of purchasing individual EndNote upgrades, or only being able to use the software from one computer? UF Libraries provides you with a free membership to a web based service called RefWorks that allows you to access your citations from any computer and to share your work with others.

Similar to EndNote, RefWorks allows you to create and manage your own personal citation database by importing those citations from databases such as Agricola, CAB, Web of Science, or the Library Catalog.

Increased Access and Collaboration

RefWorks is web based, with no software to download onto your computer(s), and so allows you to access your citations from any computer. The first time you use RefWorks you must create a username and password; since there is no cap on the number of accounts you can generate, you can create group accounts for multiple users for project collaboration.

Read-only Access

While group accounts allows users equal access to the citation lists, another alternative is to allow other users read-only access to your bibliography. Read-only access allows them to search and export, but not edit or delete citations.

Multiple Citation Styles

Once you import citations, you can save them in a writing style of your choice (MLA, APA, Chicago, etc.) and then sort and format those citations for your research or teaching.

How to Locate RefWorks

To use RefWorks, go to the UF Libraries Database List: (<http://www.uflib.ufl.edu/databases.html>) and search for **RefWorks**. You will find a handy quick start guide to get you started.

Christmas in the Holy Land

*Come and celebrate where it all began
December 20 after the Staff Meeting
Mixer at 5:00 followed by American
and Mediterranean Cuisine at 6:00*

See Bethlehem as it was! Meet the three wise guys!

Visit the Kasbah and take home an exotic gift!

*Kids can become shepherds or desert princesses,
and visit the petting zoo!*

Contests for Hors d'oeuvres, Desserts & Centerpieces!

RSVP by December 1.

(Regional food specialties and dress very welcome.)

JONES BECOMES NEW U. S. CITIZEN

Congratulations are sent to Lorraine Jones (Business Office) as our CREC community's newest U. S. Citizen. On November 16, 2005, Lorraine was sworn in as a new U. S. citizen. Her co-workers in the Business Office threw her a small celebration party upon her return to the office.

Born in Hamilton, Ontario, Canada, Lorraine moved to the United States in 1984. "Since I love the warm weather, people, and Florida, I decided to stay and I've never regretted my decision," said Jones. Continuing Jones stated, "Yes, sometimes I'm homesick, however, I can't imagine living in the frozen north again...9 months of cool, cold, and colder weather."

I asked Lorraine what made her decide to become a citizen and she replied, "Since my plans are to remain here, and out of respect for this country, and because it is available to me, I decided to become a citizen. And now, I'm proud to say that I am an 'American'."



Photo by Gretchen Baut

WELCOME
John C. Gaddis, TEAMS (Dr. Graham)

MEMORIALS:

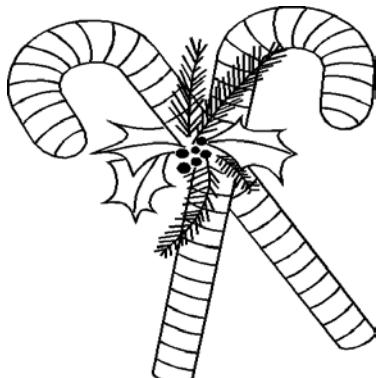
Curtis Ray Howell passed on November 29, 2005. Memorial donations may be sent to Lake Wales Lutheran Church School.

Have you received an Award? Something special going on in your lab? How about that recent vacation or sabbatical you may want to share with our CREC community? Just drop us a line in Word Processing and we'll be happy to include your news and events in Citrus Leaves.

**REMEMBER LAST MONTH'S
'PUMPKIN'?**



Sierra Gallant made her debut as the Lil pumpkin. Sierra is the daughter of Brian and Mandy (daughter of Linda Murphy, Word Processing) Gallant. Sierra was born August 6, 2005.



Manuscripts Submitted to the Publications Committee in November:

Nigg, H. N., S. E. Simpson, and S. Fraser. Pesticide Toxicity to *Anastrepha suspensa* (Diptera: Tephritidae). *Journal of Entomological Sciences*.

Reis, R. F., A. de Goes, S. N. Mondal, T. Shilts, F. C. Brentu, and L. W. Timmer. Effect of Lesion Age, Humidity, and Fungicide Application on Sporulation of *Alternaria alternata*, the cause of Brown Spot of Tangerine. *Plant Disease*.

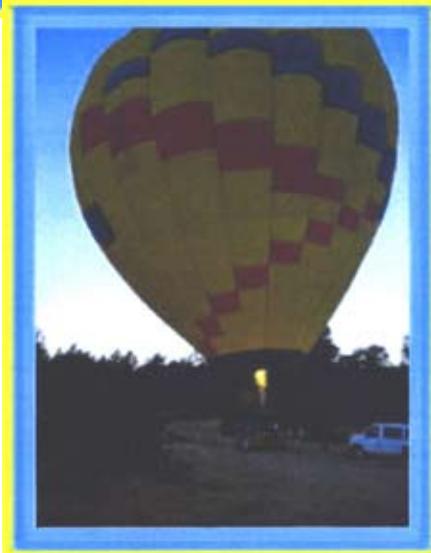
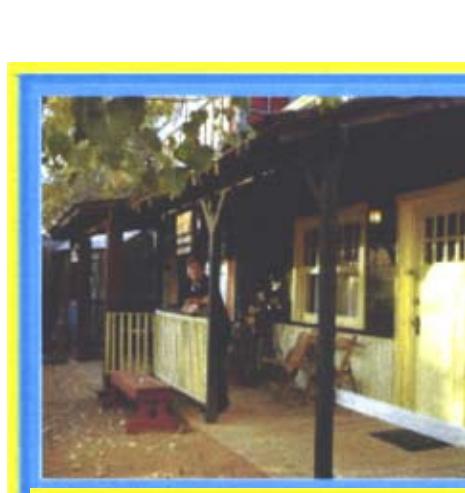
Sharma, S. D. and M. Singh. Influence of Physiochemical Properties of Tallow Amine Ethoxylate and Nonionic Alkoxylate Surfactant Series on the Distribution of 14C Glyphosate. *Weed Research*.

Wheaton, T. A., K. T. Morgan, and L. R. Parsons. Simulating Annual Irrigation Requirement for Citrus on the Central Florida Ridge. *HortScience*.

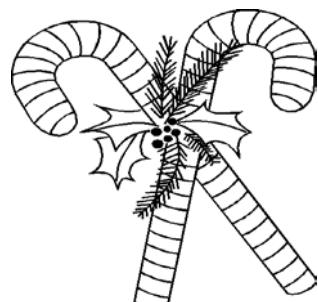
Chen, C., Q. Zheng, J. Soneji, X. Xiang, Y. A. Choi, S. Huang, M. Nageswara Rao, and F. G. Gmitter, Jr. Development of GFP Vectors for Citrus Transformation. *Acta Horticulturae*.

Nageswara Rao, M., J. R. Soneji, C. Chen, Y. A. Choi, S. Huang, and F. G. Gmitter, Jr. Identification of Zygotic and Nucellar Seedlings from Citrus Rootstock Candidates using RAPD. *Acta Horticulturae*.

Soneji, J. R., C. Chen, M. Nageswara Rao, S. Hung, Y. A. Choi, and F. G. Gmitter, Jr. Agrobacterium Mediated Transformation of Citrus Using Two Binary Vectors. *Acta Horticulturae*.



Lorraine Jones and her close friend, Frances Heath, recently enjoyed a "Ladies Only" getaway in Sedona, AZ. Lorraine and Frances enjoyed seeing Sedona from a hot air balloon (pictured here), train, and also from a bi-plane. In addition, the ladies enjoyed spa treatments and shop-til-you-drop outings.



Sun	Mon	Tues	Wed	Thurs	Fri	Sat
calendar.ifas.ufl.edu UF/IFAS Extension events statewide					FloridaAgCalendar.com Ag industry events statewide	
					1	2
				End of UF pay period		3
4	5	6	7		8	9
			Flavor Chem and Technol			10
11	12	13	14	FI HiTech Corridor Workforce mtg	15	16
				End of UF pay period		17
18	19	20	21		22	23
		Staff Mtg Holiday Party				24
25	26	27	28	CREC closed for regular business, Dec. 27-30	29	30
Christmas	Christmas Holiday observed			End of UF pay period		31



- Dec. 15 - Ehsani Seminar
 Dec. 20 - Centerwide Staff Meeting/Holiday Party
 Jan. 1 - New Year's Day
 Jan. 2 - New Year's Day Holiday observed
 CREC reopens Jan. 3
 Jan. 4 - 6 U.F. Agric. and Biol. Eng. Conference
 Jan. 16 - Martin Luther King's Birthday Holiday

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
calendar.ifas.ufl.edu UF/IFAS Extension events statewide					FloridaAgCalendar.com Ag industry events statewide	
1	2	3	4	5	6	7
New Year's Day Observed	CREC reopens		UF Agricultural and Biological Engineering Conference			
8	9	10	11	12	13	14
			End of UF pay period			
15	16	17	18	19	20	21
HOLIDAY Martin Luther King's Birthday						
22	23	24	25	26	27	28
			End of UF pay period			
29	30	31				



Courses at CREC Spring 2006

ADVANCED CITRICULTURE II - HOS 6546 - Dr. L. Gene Albrigo, Professor of Horticulture, CREC
 Mondays, 3 – 6 p.m.
 BHG Conference room

CITRUS PROCESSING - FOS 5561C
 - Dr. Jose Reyes, Asst. Professor of Food Processing Engineering, CREC
 Tuesdays, 4 – 7 p.m.
 BHG Conference room

CITRUS FRESH FRUIT TECHNOLOGY - HOS 5325C - Dr. L. Gene Albrigo, Professor of Horticulture, CREC
 Mondays, 3 – 7 p.m.
 BHG Conference room