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Calling . . . Everyone

CREC is compiling contact information for *everyone at CREC* in the event of a hurricane or emergency. Please help us by providing contact information (phone, cell phone numbers) to your supervisors or to Word Processing. All personal phone numbers will be kept in strict confidence and will be used only in critical situations.

Citrus Leaves

is the monthly newsletter for employees and friends of CREC.

Citrus Leaves welcomes your contributions, suggestions and corrections. Editor, Monica Lewandowski; E-mail mmlew@crec.ifas.ufl.edu; Ext. 1233. Writing, Meredith Jean Morton. Photography/graphics, Gretchen Baut; Production/Distribution: Word Processing, Barbara Thompson, Supervisor; Kathy Snyder, Karla Flynn and Linda Murphy; Customer Service, Kathy Witherington and Nancy Burke.

Citrus Canker at Ft. Pierce IFAS Center



Hector Solis, a groundskeeper at the UF/IFAS Indian River REC, burns grapefruit trees infected with citrus canker in the Fort Pierce center's groves. Photo: UF/IFAS IRREC, Robin Koestoyo.

Citrus canker was confirmed in groves at the UF/IFAS Indian River Research and Education Center in Fort Pierce in late June, requiring the destruction of citrus trees at their center.

"This canker infection, though contained in the early stages, will temporarily halt all of our citrus research projects at the center," said the IRREC Center Director, Dr. Brian Scully, in a UF/IFAS news release. "It will take us a number of years to recover, but ultimately this setback will offer us a fresh start and improved groves in which to conduct

See Citrus Canker at Fort Pierce Center, p. 2

Welcome Marcia Alden, CREC's new librarian!

Marcia's life adventures haven't taken her through forests and The Swamp and now to citrus groves, where she combines a background in science with a career that enables her to interact with people and dig for information. Read about Marcia, who comes from UF Libraries on the Gainesville campus, on page 4. *Article by Meredith Jean Morton.*

Learn About Citrus Canker

Dr. Jim Graham, Dr. Pete Timmer, Holly Chamberlain (UF/IFAS), Tim Riley (USDA APHIS) and others are involved in providing sessions to train others to identify and inspect citrus trees for citrus canker. Over 1000 people from the citrus industry have attended these sessions in the past month.

Training will be scheduled at CREC in the near future. Training sessions will familiarize the attendees with the symptoms of citrus canker. Included will be information on how to survey in a grove, how to identify canker compared to other diseases and disorders present in the grove, and what to do if symptoms resembling canker are discovered. Details on how to record the survey information also will be presented.

Websites with photographs of citrus canker symptoms and other resources are listed on page 2.

Employees are reminded that clothing, skin, hats as well as equipment, tools and vehicles must be decontaminated before entering and leaving groves/greenhouses. Procedures and approved products are detailed in the Citrus Pest Management Handbook: edis.ifas.ufl.edu/CG040.

If you suspect citrus canker . . .

Tag the tree or location.

DO NOT COLLECT A SAMPLE.

DO NOT TRANSPORT A SUSPECT SAMPLE. Notify your supervisor or Dr. Timmer to arrange for an inspection.



Congratulations to CREC's Dr. Jude Grosser, who was honored with the American Society for Horticultural Science Outstanding Researcher Award. Story on page 3.

Citrus Canker At Fort Pierce Center . . . *from p. 1*

research. However, we will continue to conduct our collaborative research in commercial groves with the cooperation of private industry.”

Dr. Scully said he believes the disease did not reach IRREC via human activity. “Our facility has been strictly following the precautions recommended by the Division of Plant Industry and used by growers,” he said.

Citrus canker is a bacterial disease that causes leaf and fruit drop, and a general decline in tree health. Symptoms include brown, raised lesions surrounded by an oily, water-soaked margin and a yellow ring or halo. A pdf handout of citrus canker symptoms, including disease symptoms similar to citrus canker, is available on the Florida Citrus Mutual website:

www.flcitrusmutual.com/content/docs/issues/canker/symptoms.pdf.

At CREC, Dr. Harold Browning said that plans are underway to move critical plant materials and maintain selections off-site, with a greenhouse to be constructed in Citra. Sessions will also be held at the center to train employees to identify and survey citrus for citrus canker. Similar training has been underway throughout the citrus growing regions of the state.

Citrus canker can be spread by wind and rain for short to medium distances - within trees, or to neighboring trees. Severe tropical storms, hurricanes and tornadoes can spread the bacterium longer distances, over miles. The movement of infected material on clothing, vehicles and equipment can also spread the disease. The 2004 hurricanes are believed to have contributed to the spread of citrus canker in several residential and commercial areas this year.

Meanwhile, further outbreaks were reported in Charlotte and Desoto Counties, the southwest part of the state hit by Hurricane Charley. On July 19, the Florida Department of Agriculture also reported citrus canker in a residential area in Clay County, south of Jacksonville. The department believes this outbreak is due to the movement of infected plant material.

There is no “cure” or effective treatment for citrus canker and the current strategy is eradication. The disease only infects citrus and does not affect humans or animals.

CITRUS CANKER RESOURCES

Photos of citrus canker symptoms and similar diseases

www.flcitrusmutual.com/content/docs/issues/canker/symptoms.pdf

Citrus canker decontam/disinfection guidelines, UF/IFAS Citrus Pest Management Guide: edis.ifas.ufl.edu/CG040

FL Dept. of Agriculture & Consumer Services: doacs.state.fl.us/canker

Florida Citrus Canker Eradication Program Helpline:

Miami-Dade / Broward / Palm Beach / Monroe counties: Tel. (800) 850-3781

All other Florida counties: Tel. (800) 282-5153

UF/IFAS Citrus Canker Extension website: canker.ifas.ufl.edu

Citrus Canker: The Pathogen and Its Impact

www.apsnet.org/online/feature/citruscanker/

Tim R. Gottwald, USDA-ARS Ft. Pierce; James H. Graham, UF/IFAS CREC; and Tim S. Schubert, FDCAS/DPI Gainesville. 2002.

Advanced Citriculture I in Fall 2005

ADVANCED CITRICULTURE I - HOS 6545

Fall 2005 – Aug. 29 – Dec. 5; Mondays, 4:00 – 7:00 pm

Regular registration: Aug. 22-23

Taught on-site at the UF/IFAS Citrus Research and Education Center; available by videoconference at UF/IFAS locations in Immokalee, Gainesville and Fort Pierce

Dr. L. Gene Albrigo, Professor of Horticulture at CREC.

Contact: e-mail: albrigo@crec.ifas.ufl.edu; tel. (863) 956-1151, Ext. 1207

UF employees may be eligible for the Employee Education Program:

www.hr.ufl.edu/training/education/eep/policy.htm

A graduate level course on regulation of vegetative growth of citrus will be offered during the Fall 2005 semester from Aug. 29 – Dec. 5 at the UF/IFAS Citrus Research and Education Center in Lake Alfred. The course time is Mondays, 4:00-7:00 p.m. Students will meet either at CREC – Lake Alfred, or the nearest UF/IFAS location in Gainesville, Immokalee or Fort Pierce via interactive internet video-audio conferencing. Students will need to come to Lake Alfred once or twice during the semester, when they lead the discussion session.

Students will review literature on climatic, physiological, production practices and other factors as they influence vegetative development of citrus. Each week a student will lead the discussion of the assigned literature that has been selected by the student with guidance of the instructor.

This is a 3 unit course; tuition is \$685.44 for Florida residents. UF employees in certain classifications may be available for The course is available in Continuing Education or as a regular Graduate School offering. Interested students should have taken basic plant physiology or citrus production courses. The limit is 12 students; please contact Dr. L. Gene Albrigo or Monica Lewandowski at (863) 956-1151 or albrigo@crec.ifas.ufl.edu for further information and registration assistance.

Important dates

Non-degree application form deadline: Aug. 22

UF Employee Education Waiver Form deadline: Aug. 24

State agency tuition waver deadline: Aug. 24

Regular registration: Aug. 22-23

Non-degree registration: Aug. 22-23

First day of the Advanced Citriculture I class is Monday, Aug. 29

Bringing Home the Gold

Several CREC projects were honored with UF/IFAS Gold IMAGE Awards, which are sponsored by the UF/IFAS Marketing and Communications Advisory Committee. The program recognizes outstanding examples of Marketing & Communications projects and products enhancing the UF/IFAS image in 15 categories. Congratulations to CREC's Gold IMAGE award winners below.

Hurricane Recovery Website

Dr. Richard Buker (near left), Pam Russ (far left) and Dr. Jim Syvertsen - Hurricane Recovery website, a collection of resources for



citrus growers that was established after Hurricane Charley in 2004, with materials added throughout the hurricane season. To view the site, visit CREC's website: www.crec.ifas.ufl.edu, and click on the Hurricane Resources link on the left column.

Citrus Presentations, School Programs

Dr. Monica Lewandowski and Gretchen Baut -

Citrus . . . A-Z! - An educational presentation covering citrus and ag topics, A-Z, for pre-school and young elementary age children presented at the 2004 Florida Citrus Festival's school program and Frostproof's Latt Maxcy Memorial Library children's program last year. (*A is for agriculture . . . Z is for zebraskin*)

CREC Brochure

Dr. Monica Lewandowski, Gretchen Baut, Dr. Mickey Parish and Dr. Harold Browning. CREC's Brochure was recognized for its design and effectiveness in communication.



CREC Citrus exhibit

George Brinkley, Gretchen Baut and Dr. Monica Lewandowski -

Exhibit displayed at the 2004 Osceola County Farm City Days last fall and this year at the Florida Citrus Festival. The exhibit was designed to offer tidbits of citrus information

with eye-appealing design and photographs. Gretchen Baut and George Brinkley (above), a student intern at CREC last year, designed the artwork and exhibit layout. George is currently a student at Southeastern University in Lakeland.



Citrus Canker Education Poster

Holly Chamberlain, Gretchen Baut,

Jude Grosser Honored With ASHS Outstanding Researcher Award

Dr. Grosser Honored For Achievements in Citrus Genetics and Plant Improvement



Dr. Jude W. Grosser, UF Professor of Cell Genetics at CREC, received the American Society for Horticultural Science Outstanding Researcher award at their annual meeting in Las Vegas, July 18-21.

The award recognizes the career of a horticultural crops scientist with an outstanding record in research.

Dr. Grosser leads a program in citrus breeding and plant improvement. He is noted for the use of novel cell culture, tissue culture and transformation techniques in the development of new and improved citrus varieties and rootstocks. He has been involved in the development of early-maturing oranges, improved seedless mandarins, grapefruit-like hybrids and other citrus varieties with traits such as disease-resistance, stress-resistance and improved fruit and juice quality. Dr. Grosser also serves as co-director of the Core Citrus Transformation Laboratory at CREC.



Dr. Grosser has been awarded over \$5.2 million in grants and is regarded as a worldwide authority in citrus genetics. He works closely with citrus growers such as Orrie Lee and Harold McTeer on cooperative research, and frequently participates in Extension and educational events for the Florida citrus industry. He is also active in the international citrus community, collaborating on projects around the U.S. and numerous foreign countries. He has directed five Ph.D. students and two M.S. students and serves on several graduate student committees. He also participates in educational activities in the community and with his family.

Dr. Grosser, who holds a Ph.D. from the University of Kentucky, has been at CREC since 1984. He and his wife, Donna, have three daughters, Melissa, Molly and Heidi, who were able to attend the ASHS awards ceremony. Melissa is a high school student working at CREC.

CREC congratulates Dr. Grosser on his career award honoring his outstanding achievements.

Meredith Morton (pictured left, with the poster), Monica Lewandowski, Pete Timmer and Mongi Zekri - poster illustrating citrus canker symptoms and other key information for citrus growers, packers and workers in the citrus industry. In addition, the poster was distributed free to garden centers, Extension offices, public libraries, and other outlets to reach those who work in the citrus industry as well as the general public, particularly in areas with citrus canker.

From Forests to Gators to Citrus

Marcia Alden Joins CREC As Librarian

By Meredith Jean Morton

The last thing Marcia Alden wants to do is fit into a stereotype.

CREC's new librarian listens to alternative rock music, does not consider herself to be an avid reader and emphasizes her enjoyment in interacting with people.

"I just really like to help people, and teach them how to use the resources of the library," says Alden, who came to CREC in early July after working at the UF main campus libraries in Gainesville.

She says one of her favorite aspects of her job at the UF main campus libraries was working with students and professors to help them find the information they needed to complete reports, papers or projects.

"It's so much fun to be able to work in an atmosphere where you do different things each day," says Alden, who earned a bachelor's degree in forestry from Syracuse University and worked for the forest service in Washington state for several years before recognizing her call to be a librarian.

Although Alden, originally from the Miami area, has lived in Florida three separate times during her life, her new job at CREC has placed her in central Florida for the first time – something she is excited about.

A nature enthusiast, Alden speaks of the differences in flora and fauna she has encountered during her short time in Polk County.

"On the drive down from Ocala each morning I enjoy seeing sand hill cranes in the pastures," says Alden, who has been commuting from Ocala until she finds a place to live in Polk County. "And from my office, I can see the ospreys at CREC; I enjoy that."

Alden says one question people keep asking her is why she has moved from the Gainesville main campus to CREC, and she says that the position at CREC seemed to be a perfect fit for her.

"This is the ideal job for me," she says. "It is a specialized area where I can continue

to help people and have the challenge of finding information."

Finding information is one of Alden's passions. She says she loves to be given an article or a topic and being challenged to find it or learn about it.



Photo by Gretchen Baut

Although citrus is an area relatively new to her, Alden is looking forward to using her limited background of citrus from growing up in Miami, her knowledge of forestry, and information she learned while working in UF's

Marston Science Library, to use as a basis to learn more about citrus while at CREC.

"Working in a specialized library, I hope through working with the students and faculty at CREC that I will become a citrus research specialist," says Alden, who adds that one of her first projects will be setting up library orientations at CREC.

Alden is moving to Polk County with her two cats, Trudy and Max, and her dog Dewey, a German shepherd-Labrador mix. Despite admitting to not being an avid reader, Alden is involved in a book club, and enjoys home improvement projects. She is also working on a master's degree in library science.

"I'm looking forward to working with the students and faculty at CREC," Alden says. "I'm very glad to be here, and I can't wait to learn more."

Meet ... John Henderson CREC's New Pilot Plant Manager

by Meredith Jean Morton

CREC's new pilot plant manager John Henderson has always worked with processing technology, but working in food processing is new to him.

"Before, I've worked in different kinds of waste processing," Henderson says. "Specifically in environmental field decontamination, solvent processing, using equipment for decontamination, and most



Pilot Plant Manager, John Henderson

recently, working with particle and liquid systems at the UF main campus Particle Science Engineering department."

As pilot plant manager, Henderson is responsible for our citrus processing facility in the "Packinghouse" building. CREC has equipment, similar to that found in commercial citrus processing plants, on a smaller scale for research and testing.

A native of Jackson, Mississippi, Henderson graduated from high school in Gainesville, FL. In 1985, he received his Bachelor's in mechanical engineering from UF, and began working in environmental decontamination.

"I've done quite a bit of traveling with my job," Henderson says. "I've worked everywhere from San Diego, CA to Mule Shoe, Texas."

Henderson, who started working at CREC in March, is currently working on going through the major equipment, doing refurbish work and getting the tools in place, with hopes of having the pilot plant running full capacity in October of this year.

Henderson's family includes his wife of 28 years, Linda, and three sons. Linda is an elder care manager, located in Gainesville. Their oldest son, Jed, 24, is an apprentice with the International Brotherhood of Electrical Workers. Doug, 21, works as a radiology technician and attends Santa Fe Community College in Gainesville part time. The youngest son, Stan, 16, is a junior at Buchholz High School, in Gainesville.

In their spare time, Henderson and his wife enjoy motorcycling, and have been active in ABATE of Florida, a brotherhood focused on education to promote motorcycling in a safe and positive image. Linda and John average 8,000 to 10,000 miles of travel on their Harleys each year.

"I'm looking forward to being here," Henderson says of his new position at CREC. "This is going to be fun; new and fresh things are always interesting."

Dr. Ed Etxeberria - CREC's Dr. Etxeberria studies sugar metabolism in citrus to improve quality and flavor; can edit papers with one hand and wield a tennis racket in the other

By Meredith Jean Morton

In his nearly two decades as a faculty member at CREC, Dr. Ed Etxeberria has accomplished a great deal, for both the University of Florida and for the field of horticulture.

His research on sugar and acid metabolism in citrus fruits, including the mechanism and regulation of sugar transport, is providing insight into processes critical to fruit and juice quality and flavor.

In June, Dr. Etxeberria was re-elected editor of the Proceedings of the Florida State Horticultural Society.

"Since I have been the editor there, we have changed covers and started a campaign to make the Proceedings more available to institutions around the world," says Dr. Etxeberria, who was born in Puerto Rico, but received his bachelor's degree in botany from the University of Massachusetts at Amherst, and his master's and Ph.D. from UF.

In accordance with the 117-year history of the Proceedings of the FSHS (CREC's library has the complete collection), Dr. Etxeberria acknowledges he cannot deviate largely from the original format, but he hopes to add some additional sections as the field of horticulture expands.

"I would also like to introduce a new section, like an editor's note, next year," he adds.

This is not Dr. Etxeberria's first editorial position. He is also an associate editor for the Journal of the American Society of Horticultural Science, associated with the largest horticulture society in the United States, and most likely the world.

"I have been an editor there for six or seven years," he says. "And I have always been in the area of post-harvest."

Additionally Dr. Etxeberria is an associate editor for a newer journal, The Journal of Plant Cell Signaling and Behavior, which focuses on the field of endocytosis – a field in which Dr. Etxeberria was a pioneer.

He says that his involvement in the field of endocytosis began a few years ago when he took a sabbatical in Pamplona, Spain.

"When I started there were few papers, but just after we started studying it, there



were a slew of papers coming out, so we had taken the lead in that field," he says. "That was one of the reasons I was offered the editorial job with that brand new journal, which is an international journal."

Dr. Etxeberria has also received recent acclaim for one of his articles published in the journal *Plant Cell and Physiology* [46(3): 474-481 (2005)]. The paper, which also had color images from the publication featured on the cover, was the journal's fifth highest article accessed online in May 2005.

Dr. Etxeberria also serves as CREC's research publications committee chair, overseeing the internal review and submission of research articles from CREC scientists for publication.

When discussing his achievements, Dr. Etxeberria is quick to acknowledge the assistance he has received from others over his years at CREC, specifically international visitors and his assistant Pedro Gonzalez.

"Pedro has worked with me for 10 years and is an integral part of this research," Dr. Etxeberria says of Gonzalez, who graduated from the University of Moscow with a degree in entomology and chemistry.

Although it is apparent that Dr. Etxeberria has an acute interest in, and passion for, his research, he enjoys playing tennis and participating in other outdoor activities in his free time. He also enjoys traveling both within Florida and abroad, listing places from Alaska and Africa to the glaciers in south Argentina that he has visited.

Of his passion for traveling, Dr. Etxeberria says jokingly that he would like to "see the world before everything turns into a shopping center."

Welcome . . . Renato Reis

by Meredith Jean Morton

Renato Reis is a Ph.D. student from São Paulo State University in Brazil, working in Dr. Pete Timmer's lab until February 2006.

Since arriving in April, Reis has been working with Dr. Timmer to study citrus diseases, focusing his research on the pathogenicity and control of *Alternaria*

brown spot on citrus.

Reis (pictured right) has a M.S. degree from São Paulo State University, where he studied the biology and control of black spot caused by *Guignardia citricarpa*.



Photo by Gretchen Baut

"I met Dr. Timmer two or three years ago in Brazil," Reis says. "Then it worked out for me to come here to study."

Reis says he enjoys hiking, playing sports like basketball, and barbecuing in his free time.

"This is a good place for a research opportunity, and a place to increase my knowledge in citrus and diseases," Reis says, adding that he is greatly looking forward to his time working at CREC.

Meet . . . Lisa Zhang

by Meredith Jean Morton

School may be out for the summer, but Lisa Zhang is earning valuable experience in a learning environment.

While many of her peers may be spending their summer vacation time sleeping in and relaxing by the pool, Lisa, 16, is spending some of her time this summer volunteering at CREC in Dr. Timmer's lab.

The Bartow International Baccalaureate student will enter her senior year in August, and will return to school with increased knowledge of citrus fungi from her hours spent at CREC this summer.

"I'm going to be helping out here for a couple of weeks," Zhang says. "I'm helping to grow fungus and performing other lab tasks like washing dishes."

Although Zhang acknowledges an interest in science, she says she is not sure what field she would like to pursue in college.

"I'm undecided about college," Zhang

see Lisa Zhang, p. 6



Photo by Gretchen Baut

Meet the CREC Postdocs and Visiting Scientists

Posters & Pastries

A Research Symposium

Friday, Sept. 16

10 am - 12 noon

CREC - BHG

CREC is hosting an informal poster symposium on Sept. 16 for postdocs, visiting and other scientists. Similar to the graduate student symposium held last year, this will be a great opportunity to interact with others and learn about current research. Participants can bring posters from your summer meetings, put together a new poster, or if you have an oral presentation, put your key slides together on a poster. If you are working with postdocs and visiting scientists at other centers, on campus or at other research facilities that would be interested in participating, let us know and we'll extend them invitations. Our goals are to stimulate some great discussions and interactions.

Refreshments will be provided during the symposium. Lunch will be provided for participants.

Hosted by CREC's Marketing and Public Relations committee. For more information contact Monica Lewandowski (mmlew@crec.ifas.ufl.edu) or Ron Brlansky (rhby@crec.ifas.ufl.edu).

There was a great turnout for last year's graduate student symposium at CREC. Postdocs, visiting and other scientists are encouraged to participate in this year's event on Sept. 16 at CREC BHG.



Lisa Zhang . . . from p. 6

says. "I've taken biology at school and that's interesting to me, but the English fields may be more of an interest."

In addition to volunteering at CREC, Zhang, who is the daughter of Dr. John Zhang who works for the FDOC, is hoping to volunteer at the public library during the summer. She also enjoys reading books, playing the piano and writing.

"It's been great working here so far," says Zhang who started her volunteer working on June 24. "Everyone has been very nice and has helped me out. I'm looking forward to it."

State Vehicle Drivers

CREC has revised authorization forms for driving state vehicles. If you drive a state vehicle, please submit a new form, available in the mailroom, and return to Perry Love in Shipping and Receiving.

Students At CREC

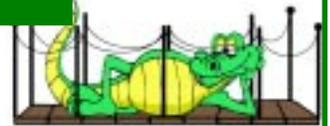
High School, College, Grad Students, Etc. Students are invited to a complimentary lunch for the student community at CREC

Friday, July 29, 2005

UF/IFAS CREC Ben Hill Griffin Jr. Citrus Hall
Rooms 3-4

Join us for an informal get-together
Meet and greet other students
Have a delicious (free) lunch!

Please RSVP by Monday, July 25 to the CREC Switchboard ("0") or e-mail Monica Lewandowski, CREC Public Relations, mmlew@crec.ifas.ufl.edu



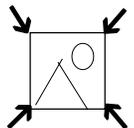
Powerpoint Tip of the Month

Make Your File Size Smaller With The "Compress Pictures" Tool

Are your Powerpoint file sizes huge because you've inserted a lot of images? With seven and eight megapixel digital cameras now more affordable than ever, the high-resolution images produced by these cameras offer great print quality. However, the file sizes are huge, making it hard to load files onto slower computers, send files by e-mail, and post these files for access on the web.

Powerpoint offers an easy tool to reduce and compress images and reduce file sizes dramatically. Called the "compress pictures" tool, it can be accessed on the Picture toolbar. The icon looks sometime like the icon pictured below, only it'll be a quarter inch tall on your toolbar.

Warning: Only compress pictures for computer presentations and web files. This step will *reduce* the quality of images for print or posters. And make a copy of the file before proceeding, in case you don't like the results. Visit the Photolab for help.



If you don't see the "Picture" toolbar, sometimes this toolbar will only appear if a picture or image is selected. You can also select this toolbar under your Tools menu. Go to the Tools menu/Customize/Toolbars tab and check the "Picture" box.

Then, click on the "compress pictures" tool, where you can choose to compress either individual images or all images in your file. For on-screen presentations or to post on the web, select the "Web/Screen" resolution. I would also check the box next to "Compress Pictures" and "Delete Cropped Areas of Pictures." As always, you should maintain copies of your original, high-resolution images, because this *will* reduce the print quality of your photos. However, it's very useful for computer presentations and for files that need to be posted online - it will be much easier to handle the smaller file sizes. Special thanks to Dr. Timmer for showing the Photolab this tool!

Welcome

Dr. Graeme Lindbeck - visiting scientist (Dr. Brlansky)
 Marcia Alden - Librarian
 Dr. Iqrar Khan - visiting scientist, Sultan Qaboos University, Oman (Dr. Grosser)
 Maxwell Miller - OPS (Dr. Grosser)

Did we miss you? Send names to Monica Lewandowski at mmlew@crec.ifas.ufl.edu or the CREC Switchboard.

Below is a list of our students currently at CREC. We're compiling a list for our student lunch on July 29 (see p. 6 for details). If we missed you, or if you know of a student, college or high school, that we missed, let us know by calling the Switchboard "0" or e-mail mmlew@crec.ifas.ufl.edu.

Grad students

Sharath Cugati (Dr. Miller)
 Shamel Alam Eldein (Dr. Albrigo)
 David Czamecki (Dr. Deng in Balm, Dr. Gmitter at CREC)
 Azza Ibrahim (Dr. Grosser) Karthik Karuppiah (Dr. Burns)
 Ann George (Dr. Singh)
 Sunny Liao (Dr. Chung)
 Ashish Mishra (Dr. Ehsani)
 Ahmad Omar (Dr. Grosser)
 Naresh Pai (Dr. Salyani)
 Meg Richards (Dr. Parish)

College and High School

Mary Brawley (Dr. Brlansky)
 Stephen Burrage (Dr. Gmitter/E. Whaley)
 Ben Carter (Dr. Albrigo)
 Ian Debarry (Dr. Noling)

Monica Dickinson (Dr. Grosser)
 You Dou (Dr. Burns)
 Julie Gmitter (Dr. Grosser)
 Melinda Grosser (Dr. Graham)
 Lily Kender (Dr. Singh)
 Tony McIntosh (Dr. Albrigo)
 Maxwell Miller (Dr. Grosser)
 Meredith Morton (G. Baut and Dr. M. Lewandowski)
 Bao Tram Nguyen (Dr. Graham)
 David Nikdel (Dr. Salyani)
 Jessica Noling (Dr. Graham)
 Nolan Rayburn (Dr. Parish)
 Anoop Sheth (Dr. Gmitter)
 Rick Timpe (Dr. Albrigo)
 Yalu Wu (Dr. Rouseff)

Congratulations to **Lily Kender**, daughter of UF Professor Emeritus and former CREC Director Walt Kender, who completed her sophomore year at UF. Lily, an economics major, was named to the Dean's List in 2004 and 2005.

Congratulations to **Aneth Shoop**, who placed first in the Dental Terminology category at the 28th Annual Health Occupation Students of America National Leadership Conference in Nashville.

Farewell

Farewell to **Dr. Shila Singh** (far right), who worked with Dr. Jackie Burns (second from



right), and **Dr. Samunder Singh** (second from left), with Dr. Steve Futch, who returned to India. Dr. Samunder Singh is an assoc. professor in the Agronomy Dept. at the CCS Haryana Agricultural University; Dr. Shila Singh works in state government. Their daughter, Divya, will enter Tusculum College in Greenville, Tennessee, where she has a full scholarship and will pursue pre-med studies.

Farewell to **Judy Harber** from Dr. Dawson's lab (above right) and to **Zhencai Wu** (lower right) from Dr. Burns lab.

Farewell to **Lyuda Tretyak** from Dr. Nigg's lab.



Right: Kathy and Larry

Witherington's son Jason and his new wife, Mandy, were married on March 5 in a beautiful setting at Lakeland's Hollis Gardens. Kathy works in CREC's mailroom.



Manuscripts Submitted to the Publications Committee in June

- Q. U. Zaman, A. W. Schumann, and K. Hostler.** Quantifying Sources of Error in Ultrasonic Measurements of Citrus Orchards. *American Society of Agricultural Engineers.*
- E. Etzeberria and P. Gonzalez.** Accumulation of Sucrose and Other Soluble Solids in Citrus Juice Cells. *Proceedings of the Florida State Horticultural Society.*
- E. Etzeberria, P. Gonzalez, E. Baroja-Fernandez, and J. Pozueta-Romero.** Fluid Phase Uptake of Artificial Nano-Spheres and Fluorescent Quantum Dots by Sycamore Cultured Cells. *Journal of Experimental Botany.*
- E. Etzeberria, and P. Gonzalez.** An Endocytic Route Is Involved in the Transport of Sucrose into the Vacuole of 'Sweet Lime' Juice Cells. *Scientia Horticulturae.*
- K.-T. Li, J. P. Syvertsen, and J. K. Burns.** Mechanical Harvesting of Florida Citrus Trees has Little Effect on Leaf Water Relations or Return Bloom. *Proceedings of the Florida State Horticultural Society.*
- J. P. Syvertsen, L. G. Albrigo, M. A. Ritenour, J. M. Dunlop, and R. C. Vachon.** Growth Conditions, Crop Load, and Fruit Size Affect Sheepnosing in Grapefruit. *Proceedings of the Florida State Horticultural Society.*
- W. S. Castle and J. C. Baldwin.** Rootstock Observations Among 'Hamlin' and 'Valencia' Trees Growing at Central Ridge and Flatwoods Locations. *Proceedings of the Florida State Horticultural Society.*
- W. M. Miller and M. Salyani.** Stewardship Monitoring and Control of Aldicarb Application to Florida Citrus. *Applied Engineering in Agriculture.*
- W. S. Castle and M. G. Bauer.** The 10-Year Performance and Survival of 'Marsh' Grapefruit Trees on Sun Chu Sha Mandarin and Various Citrumelo Rootstocks on Riviera Sand, Depressional, an Alfisol. *Proceedings of the Florida State Horticultural Society.*

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
calendar.ifas.ufl.edu UF/IFAS Extension events statewide		<i>July 2005</i>			FloridaAgCalendar.com Ag industry events statewide	
					1	2
3	Holiday 4	5	6	7	8	9
10	11	12	13	14	15	16
				end of UF pay period		
17	18	19	20	21	22	23
24	25	26	27	Blood Drive at CREC	28	29
31				end of UF pay period	CREC Student Lunch	31

Reminders

- ▶ Everyone: provide your supervisor or Word Processing with emergency contact information in case of a hurricane or other disaster.
- ▶ State vehicle drivers: submit new driver's authorization forms (available in the Mailroom) to Perry Love in Shipping/Receiving.

All events subject to change

July

Faculty meeting on July 21 cancelled.

28 - Bloodmobile at CREC, east side of Experiment Station Rd. Other dates at CREC: Oct. 6 and Dec. 8

29 - Lunch for the students at CREC. All grad students, college and high school students welcome to a complimentary lunch. Contact Monica Lewandowski (mmlew@crec.ifas.ufl.edu) or the CREC Switchboard to RSVP.

August

2 - Citrus Canker Task Force meeting, BHG 1-2.

15 - Citrus Research and Education Foundation meeting, BHG 3-4.

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
calendar.ifas.ufl.edu UF/IFAS Extension events statewide		<i>August 2005</i>			FloridaAgCalendar.com Ag industry events statewide	
	1	2	3	4	5	6
		Citrus canker task force mtg				
7	8	9	10	11	12	13
				end of UF pay period		
14	15	16	17	18	19	20
	CRE Foundation mtg					
21	22	23	24	25	26	27
			First day of UF classes	end of UF pay period		
28	29	30	31	Sept 1		
	Adv Citric I Course			Citrus Packinghouse Day		

September

1 - 43rd Annual Citrus Packinghouse Day
CREC

Registration, 8:30 a.m.; program, 9:30 a.m.; open to the public.

Morning: Presentations on timely topics for the fresh citrus industry, including citrus canker and food safety - BHG
Afternoon: vendor exhibits in the Packinghouse

UF/IFAS Postharvest website:
postharvest.ifas.ufl.edu

Courses at CREC, Fall 2005

ADVANCED CITRICULTURE I - HOS 6545 - Dr. L. Gene Albrigo, Professor of Horticulture at CREC.

Aug. 29 - Dec. 5; Mondays, 4 - 7 pm

Regular registration: Aug. 22-23

Taught on-site at CREC; available by videoconference at UF/IFAS locations in Immokalee, Gainesville and Fort Pierce

UF employees may be eligible for the Employee Education Program:
www.hr.ufl.edu/training/education/eep/policy.htm