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Meet over 20 high school and college students at CREC!
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Manuscripts Submitted to the Publications Committee in July will be published in the September issue.

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. Writer, Meredith Jean Morton. Photography and graphics, Gretchen Baut; Production and Distribution: Word Processing, Barbara Thompson, Supervisor; Kathy Snyder, Karla Flynn and Linda Murphy; Customer Service, Kathy Witherington, Supervisor, and Nancy Burke.

- You are invited -

1st Annual Meet the CREC Graduate Students Symposium

**Wed., Aug. 11
10 am - 12 noon**

CREC BHG Rooms 1-2

- ♦ All personnel invited; refreshments will be served
- ♦ Research poster symposium for CREC graduate students and students in affiliated programs - about a dozen participants and their faculty advisors will be on hand
- ♦ Excellent opportunity to meet our grad students in food science, plant pathology, horticultural sciences, agricultural and biological engineering. Hope to see you there!

Citrus Pathology at CREC

PLP 5115C - Section. no. 2172
Tuesdays 3-6 p.m., Aug. 24-Dec. 14
BHG Teaching Lab

Topics include viruses and viroids, fungal pathogens, prokaryotic pathogens, citrus canker, disease control, exotic diseases, root health, postharvest diseases and disease resistance in plants. The course is coordinated by Dr. Ron Brlansky and will be team taught by Drs. Brlansky, K.R. Chung, Bill Dawson, Ken Derrick, Jim Graham, Pete Timmer, Mark Ritenour, John Zhang, Jude Grosser, Dennis Lewandowski and Siddarame Gowda. For the course schedule, please visit:

www.crec.ifas.ufl.edu/Brlansky/PLP5115C.htm

Prerequisite: a basic introductory plant pathology course or permission of the instructor (contact Dr. Brlansky). Fees for 3.0 unit graduate course (Fla. resident) is \$685.44 based on \$228.48 per credit hour (subject to correction).

Registration is August 19-20; the first class is Aug. 24. For registration information, visit disted.ifas.ufl.edu.

Packinghouse Newsletter Celebrates 200

www.postharvest.ifas.ufl.edu

The Packinghouse Newsletter, currently edited by Dr. Mark Ritenour (Indian River Research and Education Center), provides information to the fresh citrus industry. July 2004 marked the 200th issue of the newsletter that was initiated by Dr. Bill Grierson, retired UF/CREC professor, in 1965. In this milestone issue, Dr. Grierson recalls one fateful day in 1965 at a citrus packers pre-season meeting. After answering "a slew of questions," someone suggested that Dr. Grierson send out his "good information" regularly. He got together with Dr. Andy McCornack at CREC and drew up the first Packinghouse Newsletter. Over 100 copies were produced on a mimeograph machine. As the mailing list grew, he requested that recipients send self-addressed, stamped envelopes, but later had to convert to a University mailing *see Packinghouse Newsletter, p. 7*

Sept. 2 - 43rd Annual Citrus Packinghouse Day

Seminars, workshops and vendor exhibits for the fresh citrus industry. **Topics:** how to pass 3rd party food safety audits, brief info on Eurepgap and British Retail Consortium (BRC) requirements (Keynote speaker Juan Muniz with Primus Labs); packinghouse biosecurity; prospects for good fruit quality this year; use of color separation before degreening; prospects and progress on robotic harvesting for fresh citrus; radio frequency identification (RFID) tagging; prevention of physiological disorders.

Supplemental training sessions on:

Food safety, worker health and hygiene
Forklift driving safety
Packinghouse postharvest treatments:
biocides, waxes, recordkeeping, hygiene and environmental safety.

Free, pre-registration requested:
postharvest.ifas.ufl.edu.

Meet . . . Dr. Chung's Lab by Meredith Jean Morton/Photos by Gretchen Baut

Dr. Kuang-Ren Chung and his laboratory team conduct research in the area of plant pathology - specifically, they are working to understand the molecular mechanisms involved in fungal pathogenicity, or the ability of a pathogen to cause disease. Their work primarily involves molecular methods to identify fungal genes that are involved in infection of citrus.

Some of the lab's current projects are aimed at the involvement of plant hormones in the citrus postbloom fruit drop (PFD) caused by the fungus, *Colletotrichum acutatum*, and the potential for using hormone inhibitors for disease control. Dr. Chung said a goal of his research is to "establish the involvement of hormones such as ethylene, abscisic acid or jasmonic acid in the occurrence of PFD."

Chung said the long-term goal of this project is to prevent fruit drop and ultimately reduce losses. Another aspect of research in Dr. Chung's lab is to identify novel compounds that can be used for disease control in citrus. With 30 percent extension work to accompany his research, Chung wants to provide feedback and results to growers, helping them to learn about PFD and other fungal diseases.

Dr. Chung's lab, located on the first floor of the administration building, is very international. Dr. Chung is from Taiwan, and he has a post doc from France, as well as a visitor scholar from China and lab technicians from China and Florida.



Dr. Chung

Vivek Gowda and Kate Lahey

Dr. Mathias Choquer

Dr. Lihua Cao and Huiqin Chen

Dr. Kuang-Ren Chung has been a faculty member at CREC since 2000. As a native of Taiwan, Chung came to the United States in 1991 to pursue his Ph.D. in plant pathology at the University of Kentucky.

Chung subsequently went to North Carolina State University for postdoctoral work on fungal molecular genetics on fungal toxins produced by *Cercosporin*.

Raised on his parents' rice farm in Taiwan, Chung said he realized he wanted to do something with agriculture; however, working in the rice fields as a child, he discovered he did not want to work outside. Chung said while majoring in plant pathology he learned how much he truly enjoyed the "indoor aspect of agriculture."

Chung is very devoted to his family and takes pride in them. Chung and his wife Lisa came to the United States after they had been married for six months. He said he was especially grateful for her at that time because she was the only person in the United States that he knew! Chung enjoys spending time with his children, 10-year-old Tony and 6-year-old Casey.

Dr. Mathias Choquer is a postdoctoral scientist who has been working in Dr. Chung's lab for 3 months. From Paris, France, Choquer hopes to stay in the U.S. and at CREC for the next 2-3 years to conduct research in fungal molecular biology.

Currently Choquer is working on the

cloning and characterization of fungal pathogenicity genes from *Colletotrichum acutatum* causing key lime anthracnose, a disease that is closely related to PFD. While PFD primarily affects citrus flowers, Key lime anthracnose affects both leaves and flowers on Key lime, raising some intriguing questions about the processes involved in pathogenicity.

Choquer earned his Ph.D. in plant pathology from the University of PARIS in March, 2004. His research involved chitin metabolism versus fungal virulence in the phytopathogenic fungus, *Botrytis cinerea*. When in France, Choquer enjoyed traveling in the countryside because he enjoys the landscapes and French architecture. Since he's been in the United States, he has toured Florida a little, but would like to see more of the country. Choquer also likes movies.

Dr. LiHua Cao is a visiting scholar from China who has been in Dr. Chung's lab for about a month. Cao is currently working on the mechanisms of pathogenicity in *Colletotrichum acutatum* causing postbloom fruit drop.

Cao earned her Ph.D. in plant pathology from the Northwest Sci-Tech University of Agricultural and Forestry, China in 2003.

This is Cao's first time in America. She has a scholarship from the Chinese government to study here for two years.

Cao enjoys listening to Chinese modern music, swimming and reading books.

Kate Lahey has been working in Dr. Chung's lab since graduating from Florida Southern College in 2003 with a bachelor's degree in landscape design.

Originally from Pittsfield, Mass., Lahey also lived in Naples, Fla. for a few years before attending Florida Southern.

In Dr. Chung's lab, Lahey has been working on projects with molecular biology, gene expression of citrus in response to fungal infection, and the involvement of hormones in postbloom fruit drop. She will soon begin a project to find signal transduction genes from *Mycosphaerella citri*, the cause of greasy spot, involved in fungal pathogenicity. Once a gene(s) is cloned, functional characterization of the gene will begin.

Huiqin Chen joined Dr. Chung's lab in November 2003 to conduct a research on the functional determination of the gene related to *Colletotrichum* pathogenesis. Chen earned her master's degree in plant physiology and Biochemistry from the Central China Agricultural University.

Chen and her husband, Chunxian, who works in Dr. Gmitter's lab, are the proud parents of Manzhen, 7, Mandi, 4, and Manning, 2.

In her free time, Chen enjoys playing and reading with her children.

see Dr. Chung's Lab, p. 5

Student Life . . . by Meredith Jean Morton/Photos by Gretchen Baut

Among our CREC employees are many bright and talented high school and college students. They have a wide range of interests and aspirations, but are all highly motivated towards their educational and career goals. They work at CREC and perform a variety of jobs . . . for the experience, as well as the paycheck. They are the scientists, doctors, engineers, musicians, artists and business execs of our future. Read on to learn more about . . . students at CREC.

Candace Abou-Tabl has been working in Dr. Dawson's lab since May 2002. She said she "does a little of everything," including maxi preps, tissue collection, purification of proteins, western blots, running gels, and helping in the greenhouse. Candace just graduated from Polk Community College with her AA in biological sciences, and hopes to attend the University of Florida in fall 2005.



When she isn't busy working, Candace said she loves to spend time with her two nieces and nephew, go to the movies with her husband Emad, read, and learn to cross stitch and crochet. She also loves to cook and likes to try cooking different ethnic foods. Candace said she loves her job at CREC and would like to come back after graduating from UF to work in research.

Josh Adkins is a junior at Florida Southern College majoring in horticultural sciences. A 2002 graduate of Bartow High School, Josh has been working for Dr. Buker the past two summers in weed research, as well as mechanical harvesting studies. After earning his bachelor's degree from Florida Southern, Josh plans to attend the University of Florida for graduate school. Josh enjoys hunting and fishing.



Sylvia Arnold has been working in Dr. McCoy's lab since May during her summer break from Auburndale High School. The Auburndale senior has been doing field work with Diaprepes and ants, including trapping and analysis. Sylvia, who enjoys swimming and reading English literature, is interested in pursuing a bachelor's degree at the University of Florida in either political science or nuclear physics. After completing four years at UF, Sylvia said she would like to attend graduate school in France or another European country. Sylvia's parents are Dr. Arnold and Rhonda Schumann.



George Brinkley is a 2004 graduate of Haines City High School and began working in an OPS position in the Photolab in mid-June. In the Photolab, George has been scanning photographs and slides, as well as doing photo editing. George plans to attend Polk Community College in the fall and major in graphics. He has experience in computer photo-editing from classes at PCC and working on his high school yearbook.



A bass player in his band, Luxembourg, George enjoys music, as well as art, reading and writing.

Jeff Browning has been working at CREC for three years

during his breaks from the University of Florida, where he is studying biology. In Dr. Grosser's lab, Jeff said he has been working on a genetic analysis project, along with other general lab work, and a little bit of field work. Jeff is majoring in biology, but said his "application for it in future is yet to be decided." Jeff enjoys art and playing and listening to music; he is the son of Center Director Dr. Harold and Nancy Browning.



Baylis Carnes is a 2003 graduate of Winter Haven High School and has been working for Dr. Syvertsen for a year and a half. Since Baylis began working in the lab, he fertilizes plants, helps the postdoctoral scientists, collects data and organizes the lab. Baylis is attending Polk Community College, pursuing a degree in Business Administration. An avid outdoorsman, he enjoys fishing and hunting. Baylis said he likes working in Dr. Syvertsen's lab because he has been exposed to a variety of cultures from the lab's international diversity.



Patrick Dees has been working for Dr. Albrigo since February spraying fertilizer, collecting well samples, counting fruit harvest, and working in the greenhouse. He also does a fair amount of driving in the "massive F150" truck. The 2000 Winter Haven High School graduate is studying online to be a web designer through Education Direct. In his free time, Patrick builds historic models that he sells on e-Bay.



Claire Denlinger is a sophomore at Emory University in Atlanta, and has yet to choose a major since Emory encourages its students to take two years to explore their options. The 2003 Winter Haven High

see More students, p. 4

More students . . . from p. 3

School graduate has been working at CREC for Dr. Albrigo since June doing data collection and recording. Claire (left) just returned from a trip to Europe, where she toured France and had the opportunity to see many of its famed sites.

April Dozier has been working in Dr. Albrigo's lab since June doing data collection and recording. April is a 2003 graduate of Florida State University, with a bachelor's degree in biochemistry. The Lakeland native is now taking courses at Hillsborough Community College, hoping to earn a license in nuclear medical technology. April enjoys reading and visiting her sister and nieces and nephews.



Traliva McGinty (center photo, seated left) is a sophomore majoring in biology at Stetson University. The 2003 Haines City High School graduate worked in Dr. Nigg's lab this summer running experiments on Diaprepes root weevils and fruit flies. Traliva would like to be an ob/gyn or a pharmacist.

Savannah Foltz (photo above right, seated right) graduated from Harrison Arts Center in 2004. With plans to attend Florida Southern College in the fall, Savannah has been working in Dr. Nigg's lab since June. In Dr. Nigg's lab, Savannah records experiments on the Diaprepes root weevil and fruit flies. She also extracts flies and counts eggs. Savannah is a vocalist and will be majoring in music education at Florida Southern and wants to be an elementary music teacher.



James Holeton has been working in Dr. Parsons' lab since November 2003, generally assisting in the lab with soil analysis and data collection. The 2001 graduate of Winter Haven High School received his AA degree from Polk Community College in May 2003, and will soon begin classes at University of South Florida to complete his degree in mechanical engineering. After earning his degree, James said his goal is to 'get a job using the skills he's learned.' In what James said is practically nonexistent free time, he enjoys building mechanical models.



Lily Kender is a sophomore at the University of Florida, majoring in accounting, with hopes of owning her own accounting firm. Lily worked at CREC in Dr. Singh's lab during May and June. During her time at CREC, Lily helped to update and design Dr. Singh's website and PowerPoint presentations. When she isn't studying or busy with schoolwork, Lily said she loves tennis and dancing. Lily is the daughter of retired CREC center director, Dr. Walt Kender, and mother Carole.

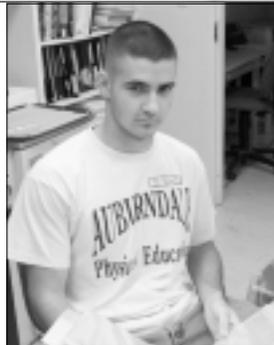


Meredith Jean Morton is a junior majoring in magazine journalism at the University of Florida. She is working with Dr. Monica Lewandowski as a public relations summer intern, and has



enjoyed writing magazine and newsletter articles on CREC research and other citrus-related topics. The 2002 Winter Haven High School graduate is at CREC for the second consecutive summer, after working in Dr. Rouseff's lab last year. Meredith participated in school science fairs in junior high and high school (with guidance from various CREC faculty, including Dr. Nigg), winning honors at the school, county and state level. She competed at the State Science and Engineering Fair of Florida for six straight years, and was selected to take her project to the international science fair for two years. Meredith aspires to be a science writer for a popular magazine or other mainstream publication.

Steve Nagy (lower left) is a senior at Auburndale High School, working in Dr. Nigg's lab. Steve has been working for about a year "extracting flies", counting dust mites in the grove, and doing a variety of other laboratory tasks. A forward on Auburndale's varsity soccer team, Steve said the team is "pretty good this year." Steve plans to attend the University of Central Florida after graduation to study either electrical or computer engineering. His father, Steve Nagy, was a chemist with the FDOC at CREC.



Jessica Noling is a 2004 graduate of Auburndale High School and will attend the University of Florida in the fall. This is the second consecutive summer Jessica has worked at CREC for Dr. Graham. Jessica said she helps with soil samples, runs PCRs, extracts RNA, runs electrophoresis gels, and 'lots of exciting stuff,' in addition to washing dishes and working in the greenhouse. At UF, Jessica plans to major in forensic sciences or microbiology; she wants to be a forensic scientist. Jessica said she is a professional tuber, and just "likes to have a good time." Jessica is the daughter of Dr. Joe and Roxanne Noling.



Phillip O'Neill graduated from Poinciana High School and started working in Dr. McCoy's lab in August. In high school, he was on the track and cross-country teams and will enter the Air Force in October.

Amanda Parker has been working at CREC in Dr. Grosser's Lab since January of
see And more students, p.5



And more students . . . from p. 4

2003. Amanda has worked on ploidy analysis using FLOW cytometry, and also works in the greenhouse twice a week. Currently she is learning protoplast transformation techniques. Amanda graduated from Auburndale High School in May, and plans to attend the University of Charleston in West Virginia in August. She plans to major in biology and then attend graduate school in veterinary medicine. In her free time, Amanda reads books and enjoys concerts.



Monica Puentes is a senior at Auburndale High School and has been working at CREC for Dr. Gmitter since May. In the lab, Monica extracts DNA and RNA as a part of a project to determine the susceptibility of plants to citrus tristeza virus. Monica plans to attend either the University of Tampa or the University of Florida after graduation from high school, building on the credits she already has from her current dual enrollment at Polk Community College. She would like to be a pediatrician.



Nolan Rayburn graduated in May from Winter Haven High School, and has been

working in Dr. Nigg's lab for about two years doing miscellaneous lab and field work with Diaprepes, fruit flies and mites in the groves, what Rayburn refers to as 'all the fun stuff.' He has been taking classes at Polk Community College through the Dual Enrollment program during high school, and will complete his Associate's degree in animal science in December. Following graduation from PCC, Rayburn plans to attend the University of Florida to major in a biology-based animal science. Rayburn would like to be a veterinarian like his father, but acknowledges the difficulty vet school will bring, so he says he will "wait and see what happens." In his free time Rayburn enjoys hunting and fishing, and was the 2003 Teen Anglers National Freshwater Champion and 2004 runner-up. This past spring, he won the 2004 Florida Freshwater Regional Series points championship.



Carolina Sarmiento is a senior at the University of Florida majoring in agriculture and biological engineering and will graduate this summer. She has done data collection and recording in Dr. Albrigo's lab this summer. Carolina keeps very busy, working at CREC during the week and at Disney's Animal Kingdom on the weekends. After graduating, Carolina plans to travel for a semester, hoping to visit Peru and other places in South America. In January, Carolina will begin an internship with Disney where she hopes to work on their autoCAD program for the irrigation system at The Land at EPCOT. In the little free time she has, Carolina enjoys traveling



and photography.

Rick Timpe has been working in Dr. Albrigo's lab for about nine months spraying fertilizer, conducting fruit counts, collecting water samples, and "keeping track of harvest." A junior at the University of South Florida, Rick is studying business and social science. After graduation, Rick plans to have a government job for a while to gain experience with plans to open his own business later. The 2001 Lake Region High School graduate has been playing roller hockey since he was 10 years old, and modestly said his Tampa team "is pretty good."



Lee Tomlinson graduated from Winter Haven High School in 2003 and has been working for Dr. Miller since January 2003. In Dr. Miller's lab, Lee works with Variable Rate Technology for fertilizer spreaders and other miscellaneous jobs. Currently Lee is attending Polk



Community College, but plans to go to Santa Fe Community College in Gainesville in January for "a change of scenery." After earning his AA from Santa Fe, Lee will attend the University of Florida for a civil engineering degree. When he isn't working or taking classes, Lee enjoys golf and fishing, and won top honors in the second annual Polk County Teen Angler Classic last year.

Dr. Chung's Lab . . . from p. 2

Vivek Gowda has been working in Dr. Chung's lab for about a month, "helping out wherever I can." Currently he is helping Dr. Chung to develop a gene disruption construct that will be useful to determine the function of the gene.

Gowda is a senior in the International Baccalaureate program at Bartow High School who enjoys playing tennis and said what he does at CREC is "pretty fun."

Gowda would like to attend medical school in the future, but is not certain where he will pursue his bachelor's degree; he plans to 'see what comes up' during his senior year. Gowda is the son of Dr. Siddarama Gowda who works in Dr. Dawson's lab.



Welcome back to **Dr. Iqrar Khan** (right, with **J.L. Chandler**) from Sultan Qaboos University in Oman. Dr. Khan is a visiting scientist at CREC for 6 weeks, working with Dr. Jude Grosser.



CREC Hosts Congressional Staff - Congressional staff members from the offices of eight Florida legislators (far right photo) visited CREC on July 1 as part of a legislative tour of Florida's citrus industry. **Dr. Mickey Parish** (far left photo) presented an overview of CREC programs, including federally funded programs for the Diaprepes root weevil, citrus canker and citrus tristeza, as well as food safety and biosecurity. The meeting also included presentations by **Dr. Dan Gunter**, executive director of the Florida Department of Citrus, who discussed market trends and strategies for Florida citrus products. **Michael Yetter** (FDOC) addressed citrus export issues, **Robin Bryant** (FDOC) presented information on the citrus mechanical harvesting program, **Dr. Jackie Burns** (CREC, second photo from left) discussed abscission research for mechanical harvesting, and **Squire Smith** (Florida Citrus Mutual, second photo from right) discussed international trade and the importance of the tariff on imported citrus products for Florida citrus growers.

Traveling . . .

Dr. Russell Rouseff visited and lectured at Uludag University during a recent visit to Turkey. He also presented a talk at the Third Charalambous International Flavor Conference in Samos, Greece.

April Elston, UF Ph.D. candidate, presented a poster, "Determination of aroma activity of Valencene in orange oil peel," by Elston, Dr. Jianming Lin and Dr. Russell Rouseff the Institute of Food Technologists annual meeting, July 12-16, in Las Vegas.

Dr. Elisabeth Knapp presented a poster, "Role of elements located within the methyltransferase domain in *Tobacco mosaic virus* defective RNA accumulation," by **Dr. Knapp, Dr. Gregory Danyluk, and Dr. Dennis Lewandowski** at the American Society of Virology annual meeting in Montreal, July 9-15.

Dr. Dennis Lewandowski presented a poster, "The tubule forming NSm protein from *Tomato spotted wilt virus* supports long-distance movement of *Tobacco mosaic virus* in tobacco in the presence of the TMV coat protein," by Dr. Lewandowski and **Dr. Scott Adkins** (USDA ARS, Ft. Pierce), at the American Society of Virology annual meeting in Montreal, July 9-15.

Dr. Vladimir Orbovic presented a poster, "Genetic transformation of *Citrus paradisi* (cvs. Duncan, Flame, Marsh, and Ruby Red) with p23 sequence from the genome of *Citrus Tristeza Closterovirus*" by Orbovic, **Dr. Ananthakrishnan Govindarajulu, and Dr. Jude W. Grosser** at the American Society of Plant Biology annual meeting in Orlando, July 25-28.



Pedro Gonzales (above) presented a poster at the International Workshop on Plant Membrane Biology in Montpellier, France, July 6-10. Pedro presented research done at CREC with **Dr. Ed Exteberria** and with colleagues in Pamplona, Spain (Pedro is pictured with some of them at the meeting, above right). The meeting included a presentation by Prof. Roderick MacKinnon, winner of the 2003 Nobel Prize in Chemistry for his work on potassium channels. "The

conference was very productive and let us to meet many people working in the same area of plant membrane biology," wrote Pedro. After the conference, he visited friends in Spain, including Diego Pozueta, who was a visiting student at CREC a couple of years ago.

After the meeting, Pedro visited friends and colleagues in Pamplona and even partake in the city's San Fermin festival, a two-week celebration in the Spanish tradition, famous for the "Running of the Bulls." (Pedro says he stayed a safe distance away from the bulls.) He also visited Barcelona, San Sebastian, Victoria, and Bilbao, as well as Nimes, France, and overall had a wonderful trip.

Kanjana at USDA

by Meredith Jean Morton

Dr. Kanjana Mahattanatawee graduated from UF with her Ph.D. in food science in May and is now working at the USDA Agricultural Research Service (USDA-ARS) Citrus and Subtropical Products Laboratory in Winter Haven. She is conducting researching on phytochemical and flavor compounds in tropical fruits, such as guava, mango, papaya, and carambola, with Drs. Elizabeth Baldwin, Kevin Goodner, John Manthey and Gary Luzio.

After coming to the U.S. from her native Thailand in 1999, Mahattanatawee spent two years at UF's Gainesville campus, followed by three years at CREC under Dr. Rouseff's instruction. Her research involved the



carotenoid breakdown products in citrus and effects on juice flavor. Carotenoids are the yellow-orange pigments found in citrus and many plants. While carotenoids generally are not considered to impact flavor, Mahattanatawee and Rouseff's research focused on breakdown compounds from carotenoids (norisoprenoids) that do impact orange juice aroma and flavor.

Before coming to Florida, Mahattanatawee was a faculty member in the food technology department at Siam

see *Kanjana*, p. 7

CREC Welcome

Esther Dunn - UF Doctor of Plant Medicine grad student (Dr. Timmer)
 Dr. Ozan Gorbus - visiting scientist (Dr. Rouseff)
 Marcela Frata - visiting student (Dr. Rouseff)
 Shinya Kanzaki - visiting scientist (Dr. Gmitter)
 Dr. Iqar Khan - visiting scientist (Dr. Grosser)

CREC Farewell

Juan Gabriel Perez (Dr. Syvertsen)
 Sylvia Arnold (Dr. McCoy)
 Dr. Jinhe Bai (FDOC, Dr. Dou)
 Gary Coates (FDOC, Dr. Dou)
 Merritt Daughtery (FDOC, T. Long)
 Virgil Stewart (FDOC, T. Long)
 Cynthia Holbrook (FDOC, Dr. Ismail)
 Robert Gallagher (FDOC, Dr. Stinson)
 Rosemary Hammond (FDOC, Dr. Cancalon)
 Bill Lints (FDOC, Dr. Cancalon)

The FDOC laid off a reported 17 people in Lakeland and Lake Alfred to meet a nearly \$10 million budget reduction for 2004-05. The research division had nine layoffs, three vacant positions eliminated and two upcoming retirements (Dr. Ismail and Dr. Nikdel).

Dear CREC,

Thank you for the thoughtful condolences I received following the death of my father. One is never quite ready to lose a parent. Your kindness and concern have been appreciated.

Larry Parsons

Kanjana . . . from p. 6

University in Bangkok, where she taught classes in industrial microbiology and fermentation technology.

It was during her five years teaching at Siam University that Mahattanatawee realized she wanted to pursue her Ph.D. in food science. She said she taught a food science student and discovered that to be a more effective teacher she would need to further her education on the subject.

The desire to learn and accept new challenges has been a motivating factor throughout Mahattanatawee's educational career. In high school she said she wanted to study science because of its realistic applications and the challenges of discovery.

Mahattanatawee accepts challenges in other areas of her life as well, such as trying new cooking recipes in her free time and sightseeing while in the US.

With her new job at the USDA-ARS, Mahattanatawee will be challenged as well. Although she has extensive experience



We miss you, Rudi! Fond memories, gifts, refreshments and lots of friends and family were on hand to wish farewell to Rudene Scott (above) on June 30, who retired after 25 years at CREC. Rudene's husband, children and grandchildren were in attendance, lending a special touch to the occasion. For more on Rudene, see her profile in the June issue of Citrus Leaves.

with citrus, this is her first work with tropical fruits.

Mahattanatawee's interest in this project is two-fold: first, her research involves studies on the phytochemical compounds considered beneficial to the human diet; and second, tropical fruits are important crops in both Florida and Thailand. After completing a one-year at the USDA laboratory, Mahattanatawee will resume her position at Siam University in Thailand, taking with her a wealth of knowledge and experience.

After six years away, Mahattanatawee said she will be ready to go home. "My family is there, and everyone is waiting for me to come home," she said with a smile. "I'll be ready."

Packinghouse Newsletter . . . p. 1

system. Dr. Grierson went on to produce the first 23 Packinghouse Newsletters. He retired from CREC in 1982, but is still attends CREC events.

In 1969, Dr. Will Wardowski was hired at CREC as the first postharvest Extension specialist - the first position of its kind in the world. Shortly after arriving at CREC, Dr. Grierson handed him the responsibility of producing the Packinghouse Newsletter, as well as organizing the annual Citrus Packinghouse Day. Dr. Wardowski produced many more (167 to be exact) Packinghouse Day newsletters and established a 31-year career serving the fresh citrus industry. He retired from CREC in 1999, and lives in Longboat Key with his wife, Christie. He still maintains a book business, Florida Science Source.

Dr. Mark Ritenour at the UF/IFAS Indian

Team "B" brings in over \$2500

Many of you made donations in memory of CREC's Beatriz Nielsen, who died of cancer on May 24. Bea's brother, Christian Nielsen Palacios, from Ithaca, N.Y., participated in the American Cancer Society's Tompkins County Relay for Life on July 9. Relay for Life is a walk/jog and a fundraiser for the American Cancer Society, held in communities throughout the U.S. Participants seek donations or pledges, and join cancer survivors for a walk or jog around a racetrack or trail during the night-long event.

Christian was the *top* individual fundraiser in Tompkins County, bringing in more than \$2500. This was, by far, the largest amount collected by an individual in this event. The Nielsen-Palacios family gratefully acknowledges the donations made in Bea's memory.

Our deepest sympathy to Wendy Bell on the passing of her father in Jamaica. Wendy is a graduate student in Dr. Rouseff's lab.



Citrus postharvest research and extension has a rich history, including 200 issues of the Packinghouse Newsletter and the annual Citrus Packinghouse Day. Much of this work has been conducted by (photo, left to right): Dr. Bill Grierson, who retired from CREC in 1982; Dr. Mark Ritenour at the Indian River REC in Ft. Pierce, and Dr. Will Wardowski, who retired from CREC in 1999.

River REC in Fort Pierce carries on as editor of the Packinghouse Newsletter. It is now available by e-mail and online, and the current, 200th issue includes interesting retrospects on the history of the newsletter by Dr. Grierson, Dr. Wardowski and David Hall. This and past issues are available online at postharvest.ifas.ufl.edu.

Another long tradition continues, with the 43rd Annual Citrus Packinghouse Day on Sept. 2 at CREC. The event is free and open to the public; pre-registration is requested and forms are online at postharvest.ifas.ufl.edu.

Sun Mon Tues Wed Thurs Fri Sat

calendar:ifas.ufl.edu
UF/IFAS Extension
events statewide

August 2004

FloridaAgCalendar.com
Ag industry events
statewide

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	Sept. 1	Sept. 2		

All events subject to change.

10-11 - Crop insurance, insurance agents, meeting/information. BHG Teaching Lab.

11 - CREC Meet the Graduate Students Symposium. 10 am - 12 pm, BHG 1-2. All personnel invited to meet CREC graduate students and their advisors. Open to the public. Refreshments provided.

1 pm: Grad students to meet with Dr. Rebecca Darnell re. grad student recruitment to off-campus centers, BHG 3-4

2 pm: Faculty to meet with Dr. Rebecca Darnell re. grad student recruitment to off-campus centers, BHG 3-4

16 - CRE Foundation Board meeting, Packinghouse conference room.

17 - Farmworker Citrus Canker Decontamination workshop. Distribution and instruction on the use of new citrus canker decontamination training materials for harvesters and grove workers. BHG 1, 9:30 a.m. - 2:30 p.m.

18 - Dept. of Environmental Protection workshop: information on citrus program for air pollution emissions:
www.dep.state.fl.us/air/programs/citrus.htm

27 -Faculty meeting. H. Bronwing. BHG 3-4.

Class at CREC this semester:

Citrus Pathology (PLP 5115C), a graduate-level course; Tuesdays, 3-6 p.m. (Aug. 24 - Dec. 14); BHG Teaching Lab.

UF classes start August 23.

Upcoming:

Citrus Expo at the Lee Civic Center, Fort Myers. August 25-26.

Citrus Packinghouse Day, Sept. 2. CREC. Annual event for citrus packers.