



Citrus Leaves

August 2002

Citrus Research and Education Center - News and Information

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41st Annual Citrus Packinghouse Day August 29

The 41st Annual Citrus Packinghouse Day on August 29 at CREC's Ben Hill Griffin, Jr. Citrus Hall will feature presentations in the morning and packinghouse vendor exhibits in the afternoon. The day's events are targeted to the fresh citrus industry.

The keynote speaker is Dr. Joseph Smilanick, plant pathologist from the USDA-ARS Horticultural Crops Research Laboratory in Parlier, CA. Dr. Smilanick will discuss citrus decay control, new fungicides and the use of heat and alternative compounds such as sodium bicarbonate. Other speakers will cover the following topics:

- Food security in the packinghouse
- Latest news on the importation of Spanish Clementines
- A new third-party packinghouse food safety auditing program offered through the USDA and FDACS
- Non-destructive internal quality sensors for citrus
- Accessing citrus postharvest resources on the Internet

Representatives from more the 30 companies will provide information for the fresh citrus industry. Registration begins at 8:30 am; the program starts at 9:30 am. For more information, contact Drs. Bill Miller or Renée Goodrich at CREC, or Dr. Mark Ritenour at IRREC in Fort Pierce.



Drs. Mark Ritenour and Renée Goodrich at last year's Citrus Packinghouse Day.

G. Baut

Citrus Pathology Course Offered At CREC

Citrus Pathology (PLP 5115C) will be offered the Fall 2002 semester, Tuesday afternoons, from Aug. 27 - Dec. 10 at CREC. It is a 3-hour lecture graduate credit course and requires a prerequisite general plant pathology course (PLP 3002C or PLP 5005C or equivalent). The course will cover the symptoms, disease

cycles and control measures for the major citrus diseases with emphasis on diagnosis using biological, chemical and biochemical techniques. Plant pathologists from CREC and the USDA-ARS will present the various lectures.

The course can be taken for credit or noncredit. For more information or if you plan to take the course, contact Dr. Ron Brlansky or Dr. K. R. Chung, course coordinators.

The registration cost for this course is \$538.05 for Florida residents. Registering students must submit a Distance Education Course Request *see Citrus Pathology Course, p. 5*

Registering students must submit a Distance Ed Course Request Form by 8/2

Citrus Leaves

is the monthly newsletter for employees and friends of CREC.

Would you like to be in "Citrus Leaves?" We welcome your contributions, suggestions and corrections. Editor, Monica Lewandowski; E-mail mmlew@lal.ufl.edu; Ext. 233. Photography, 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.

On the web: www.lal.ufl.edu and click on the Newsletter tab -



G. Baut

CREC Welcomes Dr. Jianchi (JC) Chen, FDOC

Dr. Chen's laboratory and office is in Room 60 in the Packinghouse.

MEET...THE PARISH LAB

Dr. Mickey Parish

Originally from: Davenport, Florida

Career: Graduated from Florida State University with Biology degree. In 1976, Dr. Parish came to CREC as a lab technician, first with Dr. Jack Whiteside and later with Dr. John Allen. He subsequently entered the M.S. program at UF, working under food microbiologist Dr. T. R. Graumlich at CREC. Dr. Robert Braddock was also a member of his committee.

After completing his M.S. in 1981, Dr. Parish entered the Ph.D. program at North Carolina State University. Upon completion of his doctorate, he applied for a food microbiology faculty position at CREC, left vacant by Dr. Graumlich. Dr. Parish joined the CREC faculty in 1986.

Dr. Parish's program involves food microbiology for food safety and quality. A summary of his current projects are outlined below.

Working in Washington, D.C.: Dr. Parish spent a year (1998-1999) in Washington, D.C. as Policy Analyst in Food Safety for the Congressional Research Service (CRS). The CRS provides scientific information to Congress to aid in the decision making process.

Parish produced reports, provided briefings and organized seminars on food safety issues for Congressional members and staff. The information was used to help make decisions on food safety and other scientific issues that have far-reaching effects



T Wright - UF/IFAS

Dr. Parish and Lorrie Friedrich examine a sample of orange juice.



G Baur

Dr. Mickey Parish's lab is involved in food microbiology research for food safety and quality. Left to right: Nicole Allred, Dr. Parish, Lorrie Friedrich and Tracy Williams.

across the nation and the world.

Parish was selected for this opportunity by the Institute of Food Technologists (IFT). The IFT sponsored Parish's fellowship to the Congressional Science Fellowship Program, which is administered by the American Association for the Advancement of Science (AAAS).♦

Lorrie Friedrich

Originally from: Pennsylvania.

Education: B.S. and M.S. in microbiology from the University of South Florida in Tampa.

CREC: Lorrie has worked with Dr. Parish since 1990 in microbiological food safety and quality research.

Other: Lorrie and her husband, Ricardo Ibarra, have a 7-year old daughter, Gabriela. Among her favorite things, chocolate and running.

Parish lab, continued on page 3

- Food Safety and Quality On The Forefront -

Dr. Parish's work, some of which is funded by the FDOC and USDA, focuses on food microbiology related to food safety and quality. Here's a summary of some ongoing work:

- ♦ Investigations on the microflora, particularly human pathogens, found on the fruit surface at the processing plant. Dr. Renée Goodrich is also a collaborator.
- ♦ Studies on *Salmonella*, *Shigella* and non-pathogenic *E. coli* on oranges and strawberries. This is a cooperative project on microbiological food safety for fresh fruit involving UF-Gainesville and CREC, University of California-Davis and Texas A & M. Dr. Goodrich is a collaborator on this project.
- ♦ Studies on *Alicyclobacillus* and possible disinfection methods. *Alicyclobacillus* is a spore-forming bacterium that can cause spoilage of shelf-stable juices. Spoilage caused by *Alicyclobacillus* is characterized by a "horrific" odor.
- ♦ Investigations on whether/how bacterial pathogens can infiltrate citrus peel. This work, funded by the California Research Board, will facilitate the development of food safety regulations by the Food and Drug Administration (FDA).
- ♦ Drs. Parish and Goodrich are involved in work related to Hazard Analysis Critical Control Point (HACCP) food safety regulations for citrus juice. He and Dr. Goodrich serve on a Juice HACCP alliance and participate in HACCP training for the citrus processing industry.

THE PARISH LAB, from page 2

Nicole Allred

Originally from: St. Petersburg, Florida

Education: Recently graduated with a B.S. in Biology from Florida Southern College. She has worked in Dr. Parish's lab since March, and says the experience helped her discover that she enjoys research. She is headed to work in a laboratory involved in blood pressure research at UF's Department of Medicine, Gainesville Veterans Administration (VA) Medical Center.

Danny Lee

worked in the Parish lab this summer, and recently returned for his senior year at Lake Region High School.

MEET...

Patti Hanna - Business Office

Patti Hanna joined the CREC Business Office in June, where she is responsible for accounting and other aspects of Special Help for Agricultural Research and Education (SHARE) accounts.

Patti's work experience includes 22 years with the UF College of Medicine's Department of Obstetrics and Gynecology in Gainesville, where she became a network administrator and designed and implemented their first computer network. Prior to that, Patti managed patient accounting for the department.

Patti and her husband, David, moved to Winter Haven in 1999, where she subsequently became involved in health care consulting. The job required frequent travel and long hours, and she recently opted to find a job that would keep her closer to home.

Patti is currently working towards a B.S. and M.S. in Health Care Administration at St. Leo University. She has a son, Rob Moore, who captains sport fishing yachts out of southeast Florida (Ft. Pierce, Stuart). Her hobbies include classical reading, swimming, cooking, boating and skydiving (she has done over 200 free falls).



C. Baut

Happy Birthday to . . .



August: **Carolyn Lisbon** (custodial crew) and her son, **Tavares** (2)!



Eileen Albright (left) on 7/9 (Personnel office) and **Gretchen (Photolab) Baut** on 8/13!

Tracy Williams

Originally from: Philadelphia.

Education: Recently graduated with a B.S. in Biology and Environmental studies from Florida Southern College in Lakeland. She and Nicole Allred have known each other since they were college freshmen.

CREC: Tracy, who joined the lab in July, will be involved in Dr. Parish's food microbiology research.

Other: Enjoys arts and crafts and nature.



Clean Team

You may have noticed several custodians taking care of your building. That's because the Custodial Crew is now working as a team throughout the Center, instead of

assigning one custodian to a particular building.

In the event of a custodial emergency, contact Sherry Cunningham in the Facilities office (Ext. 328), and she will notify a custodian. Any other special custodial requests should be submitted through a work order.

The Custodial Crew, pictured above, L to R: Top row, **Jeanell Pruitt** (Supervisor) and **Janice Stewart**; bottom row, **Peggy Bernard**, **Carolyn Lisbon** and **Terry Daghita**.

Katja College-Bound



The Nigg Lab bid farewell to **Katja Blythe** (center) with lunch at the Olive Garden. Katja will enter the University of South Florida in Tampa this fall. L to R: **Sam Simpson**,

Jeannette Barnes, **Katja**, **Dr. Nigg**, **Nadine Cuyler** and **Rhonda Schumann**. Not pictured is the photographer, s.



Happy Birthday
◀ **Dr. Herb Nigg**
&
Dr. Steve ▶
Garnsey!



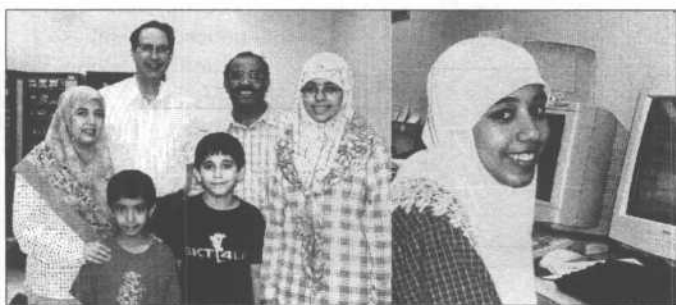
FAREWELL . . .

Dr. Ali Fares

Dr. Ali Fares, a postdoctoral scientist who worked with Dr. Larry Parsons, has accepted a position as Assistant Professor of Watershed Hydrology and Tropical Soils at the University of Hawaii at Manoa. He will become involved in critical issues pertaining to the use and conservation of Hawaii's scarce fresh water supply.

Dr. Fares, who is originally from Tunisia, first came to CREC in 1996 and worked with Dr. Ashok Alva until 1999. He subsequently went to Adelaide, Australia, and in 2001, returned to CREC to work with Dr. Parsons.

Dr. Fares' family includes his wife, Samira, daughters Amina (16) and Sara (14) and sons Othman (9) and Ayoub (6).



Left photo, from L to R: Samira Fares, Ayoub (front), Dr. Larry Parsons, Othman, Dr. Ali Fares and Sara. Right photo, Amina Fares.

Amina Fares

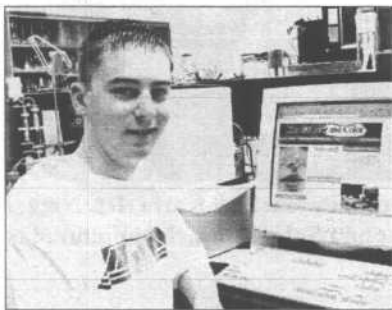
has been working in Dr. Russ Rouseff's flavor chemistry laboratory this summer. She has been working with gas chromatography-olfactometry for the analysis of flavor compounds and computer-related work.

Amina attended Winter Haven High School, where she was editor of the school newspaper. She will enter her senior year, and like the rest of her family, is looking forward to moving to Hawaii. One of her hobbies is surfing the web.

Michael Blaze

This was Mike Blaze's second summer working for Dr. Russ Rouseff. This summer, he was instrumental in constructing Dr. Rouseff's new flavor website, which is an online reference for the chemical characteristics of flavor compounds.

Mike, who is from Winter Haven, will return to the University of Central Florida (UCF) in Orlando for his sophomore year, where he is majoring in Management and Information Systems. An avid bowler, Mike plans to go out for the UCF bowling team.



Dr. Ali Fares, center, with Jacob Butler (L) and Dr. Larry Parsons (R).

Samira Fares

has worked for the FDOC with Dr. John Zhang for the past 1 1/2 years. Her work in Dr. Zhang's postharvest decay research program involved various aspects of protein biochemistry and fungal microbiology.

Samira has a high school diploma in agriculture (citrus emphasis) and an Associate of Arts degree from Santa Fe Community College in Gainesville. She also worked with Bea Nielsen on the citrus improvement project at CREC prior to moving to Australia with her family in 1999. "It was beautiful," Samira said of Australia. She also enjoyed Australia's weather and "relaxing environment."

Samira is looking forward to new adventures in Hawaii.



Chip Rouseff

This was Chip Rouseff's second summer working in Dr. Brlansky's lab; three summers ago he worked for Dr. Herb Nigg. His work involved greenhouse and lab duties for Dr. Brlansky's plant pathology program. In the greenhouse, he did everything from watering plants to budding, and Chip adds that the "golf cart" helped make his work a little easier.

Chip, along with his roommate Mike Blaze (left), is returning to the University of Central Florida (UCF) for his sophomore year as an electrical engineering major. His parents are Russell and June Rouseff.



NEWS AROUND CREC

Student Notes

**UF Classes: Aug. 26 - Dec. 11; Finals: Dec. 14-20
Commencement Dec. 21**

For students: Official University business e-mail will be communicated to students using the University GatorLink e-mail account. That is, official e-mail will be sent exclusively to **GatorLinkUserName@ufl.edu**.

The preferred e-mail address recorded for all students will be the GatorLink address. Students may continue to use the forwarding mechanism to deliver their e-mail to other mail services, if they wish. However, it is the student's responsibility to insure that the forwarding address is current so that they receive official communications from the University.

All students will be notified about this change in policy via e-mail and postal mail.

Citrus Pathology Course from p. 1

Form by August 2*, then complete the instructions and forms for registration which are on the UF/IFAS Distance Education website (<http://disted.ifas.ufl.edu> and click on "Registration"). For registration assistance, contact Monica Lewandowski at Ext. 233.

*The deadline for the Distance Education Course Request Form was August 2, but it will be accepted through Aug. 19. Please contact Monica Lewandowski for assistance in submitting a late form. Note: this is a separate form from registration, which is done by telephone (Telegator) or online (ISIS), Aug. 22-23. Late registration, Aug. 26-29, will include a \$100 late fee.

CREC Welcome

Dr. Jianchi (JC) Chen (FDOC)
Young Eel Moon - Visitor
(Dr. Echeverria)
Diego Pozeula - Visitor
(Dr. Echeverria)
Marakh Falahali-Rostergar - Visitor
(Dr. Lee)
John Roegner - OPS (Dr. Schumann)
Tracy Jo Williams - OPS (Dr. Parish)
Angela Grant - OPS (Dr. Nigg)

CREC Farewell

Rocky Bryan - Chemist (Dr. Braddock)
Jeremy Seadorf - OPS (Dr. Timmer)
Ricardo Ibarra - OPS (Dr. Timmer)
Angela Grant - Lab tech (Dr. Burns)
Katja Blythe - OPS (Dr. Nigg)
Mary Donahoe - Student (Dr. Michaud)
Nebojsa Noveski - OPS (Dr. Orbovic)
John Roegner - OPS (Dr. Salyani)
Dr. Bo Li - Post-doc (Dr. Salyani)
Dr. Ali Fares - Post-doc (Dr. Parsons)
Samira Fares - OPS (Dr. Zhang)
Amina Fares - OPS (Dr. Rouseff)
Nicole Allred - OPS (Dr. Parish)
Daniel Lee - OPS (Dr. Parish)

Time Cards/Records Due:

- Monday, August 12
- Thursday, August 22
(note early due date on Aug. 22 because of Labor Day holiday on Sept. 2)

P-Card Questions?

Purchasing Card information is posted on the UF Purchasing Website:



[www.purchasing.ufl.edu/
main_purchasingcards.asp](http://www.purchasing.ufl.edu/main_purchasingcards.asp)

- Information and Training Seminars at CREC -

Open to all personnel.

- ♦ **The Top 10 List for a Safer You in 2002** - August 2, 2002; 11:00 - Noon - BHG-1, Dr. Carol Lehtola, Asst. Prof. & Safety Specialist, Ag. & Biol. Eng., UF
- ♦ **Electric and Lightning Safety** - September 6, 2002; 11:00 - Noon - BHG-1 - Mr. Clyde Roberds, Tampa Electric Co.
- ♦ **The Latest in Digital Media** - October 4, 2002; 11:00 - Noon - BHG-1 - Ms. Gretchen Baut, Photographer/Graphics Artist, CREC.

- Manuscripts Submitted To The Publications Committee in July -

B. Li, J. D. Whitney, W. M. Miller, and T. A. Wheaton. **Ultrasonic-based Canopy Volume Measurements of Citrus Trees.** *Applied Engineering in Agriculture.*

W. S. Castle, M. Bauer, B. Boman, and T. Obreza. **Some Practical Matters Related to Riviera Soil, Depth to Clay, Water Table, Soil Organic Matter, and Swingle Citrumelo Root Systems.** *Citrus Industry Magazine.*

W. M. Miller and M. Zude. **NIR-Based Sensing Coupled with Physical/Color Features to Identify Brix Level of Florida Citrus.** *Applied Engineering in Agriculture.*

S. N. Mondal, A. Bhatia, and L. W. Timmer. **How to Promote Greasy Spot Without Really Trying.** *Citrus Industry Magazine.*

Citrus Canker Info

Citrus canker was recently detected in commercial groves in Highlands County, and on residential dooryard trees in Orange and Brevard Counties. Inspectors continue to find hundreds of positive trees weekly in the Dade/Broward/Palm Beach County area. CREC personnel are reminded that canker decontamination/disinfection procedures are mandatory for equipment and personnel working near or contacting any citrus plant. This includes strict limitations on the movement of plant material, including fruit, on or off Center. Info is posted on a bulletin board outside the CREC Mailroom, and questions can be directed to Dr. Pete Timmer.

Weekly canker updates: Florida Citrus Mutual website: www.fl-citrus-mutual.com

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

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

For quarantine maps: doacs.state.fl.us/canker/maps.htm

Florida Citrus Canker Eradication Programs

Miami: 800-850-3781

Winter Haven: 800-282-5153

Palmetto: 941-721-6622

Immokalee: 941-658-3684

- SAM's Club Memberships -

Jerry Safrit will offer SAM's Club memberships at CREC on Friday, Aug. 9, in the employee break room in Building 24 ("Administration"). The cost of a yearly SAM's Club membership is \$35/year (Advantage membership), which includes two cards: one for yourself and another for a household member. This card allows you to shop in the SAM's club store. The \$35 Advantage membership can also be purchased at a SAM's Club store (take a paycheck stub for proof of employment).

SAM's club is a members-only warehouse. The nearest SAM's club is at 4600 US Hwy 98 North in Lakeland. There are also locations in Orlando, Tampa and Brandon (see store locator on their website). For more information, contact Mr. Safrit directly at Tel. 853-8931 or visit www.samsclub.com.

- Splendid China Offers Complimentary Admission Passes -

Florida Splendid China, a 76-acre Chinese cultural theme park in Kissimmee, is offering city, county, state, & federal government employees (including all UF and FDOC employees) two complimentary admissions to Splendid China for each Government Employee. The offer runs from *June 14th – August 31st, 2002*. For more information, visit www.floridasplendidchina.com.

Florida Splendid China features

- Amazing acrobatics, dances, and martial arts shows during the day
- Spectacular 90-minute live stage production – "Mysterious Kingdom of the Orient" every Tuesday to Sunday at 6:00 pm
- Beautiful replicas of China's most famous cultural landmarks such as Great Wall and Forbidden City
- Authentic Chinese cuisine and merchandise

Additional benefits for you and your family:

- 50% off regular park admission for additional guests in your group (children 4 and under are free)
- 25% off fine dining at the park's Suzhou Pearl Restaurant
- 10% off merchandise at the park's operated gift shops
- 50% off Splendid China's regular annual pass rate

Just show your employee ID cards or current pay stub at Splendid China's Guest Service, your will receive two (2) complimentary admission tickets to Splendid China.

Location: Splendid China is located at 3000 Splendid China Blvd., Kissimmee, FL 34747 (2 miles west of Walt Disney World Resorts' main entrance and 3 miles west of I-4, Exit 64B).

Information: Please contact Splendid China at 407-396-7111 or 407-397-8818 if you have any questions about this offer. Website: www.floridasplendidchina.com

* Splendid China's gate price: \$28.88 per adult, \$18.18 per child age 5-12. Park operation hours: 9:30 am – 7:00 pm.

** The free admission to Splendid China does not include a promotional meal, which is offered to regular paid guests. Offer not valid with other promotions or special events at Splendid China.

August 2002

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
				1	2 Seminar: Safer You in 2002 11 am - 12 pm	3
4	5	6	7	8	9	10
11	12	13	14	15 Faculty Mtg 8:30 am	16	17
18	19	20	21	22 Public mtg re. import of Spanish clementines	23	24
25	26	27	28	29 Citrus Packinghouse Day	30	31

All events subject to change.

August 2002

2 - Information and Training Seminar: Top Ten List For A Safer You in 2002. Dr Carol Lehtola, UF/IFAS Agric. & Biol. Engin., Extension - Ag Safety. BHG Room 1, 11 am - 12 pm.

15 - Faculty meeting, Dr. H. Browning, BHG Rooms 3-4, 8:30-10:30 am.

22 - Public hearing regarding proposed Animal & Plant Health Inspection Service (APHIS) rule on importation of Clementines from Spain. 8 am - 5 pm. BHG Rooms 1-2.

29 - 41st Annual Citrus Packinghouse Day. Speaker presentations in the morning (BHG Rooms 1-2); vendor exhibits in the afternoon (Packinghouse).

Classes at CREC

This Semester:
Aug. 26 - Dec. 11:

Citrus Pathology (PLP 5115C). Drs. Brlansky and Chung. Teaching Lab, Tues. afternoons.

Offered at CREC via videoconference:
Dr. Mark Wade, UF/IFAS Indian River REC, "Principles of Food and Resource Economics", Mondays, 6:00 - 9:00 pm. Alternating with "Selling Strategically", Mondays, 6:00 - 9:00 pm

Dr. Marshall Breeze, UF/IFAS Dept. of Ag Comm. and Educ., "Methodology of Planned Change," Tues., 6:00 - 8:00 pm

Citrus Expo in Ft. Myers, Aug. 21-22