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Citrus Leaves

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Hurricanes and Florida Agriculture

by Dr. John Attaway

CREC and FDOC personnel can purchase this book from Dr. Attaway (Ext. 1324) at CREC at half-price, \$31.80 incl. tax. Published in 1999, this book recounts the history of Florida hurricanes and the impact on our agriculture industry. HC, 444 pp.

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.

Hurricanes!

Hurricane Charley ripped through Florida on Aug. 13, followed by Hurricane Frances on Sept. 4-6, and a close call with Hurricane Ivan (at press time) on Sept. 14. CREC survived Hurricanes Charley and Frances mostly intact, with several large tree branches and a few trees down (photo right), some greenhouse and screenhouse damage, numerous roof leaks and other water damage. Damage to the Center's citrus included some loss of trees and loss of fruit, but not as extensive as the damage seen in other parts of the state. After Hurricane Charley, the center was without power for two days as some employees scrambled to set up generators and keep them fueled, pack freezers with dry ice and save other critical items. Power was restored to CREC on Aug. 15.

Some employees are dealing with structural damage to personal property and many were without power for several days to over a week. Several events, including the Citrus Expo in Fort Myers and CREC's Packinghouse Day, scheduled for Sept. 2., were cancelled.

CREC was also without power on Sept. 9-10 after a transformer failure.

Some of Florida's major citrus growing regions were devastated by the storms. The damage from Hurricane Charley, which was a relatively fast-moving storm with high winds, included uprooted trees and well as broken trunks, broken branches and fruit on the ground, particularly in the central and southwest portions of the state (Hardee and Charlotte counties). Damage from Hurricane Frances, a rainy storm which crawled through the state over three days, includes a lot of fruit on the ground, particularly in the Indian River's grapefruit groves on the east coast, and widespread flooding. Damage reports were still being compiled, but the losses



will be extensive and costly.

Several UF/IFAS personnel have been involved in recovery efforts, providing assistance and information to citrus growers. Several employees provided a hot meal to weary Extension personnel in Hardee County (see page 5). A website has been established at CREC with hurricane-related information for citrus (www.crec.ifas.ufl.edu; click on the Hurricane Recovery Information link). Hurricane recovery information is also available in the IFAS Distaster Management Handbook (www.ifas.ufl.edu). For more photos, see pages 5-6.

Dr. Ismail to Retire in September

Started FDOC career in 1966

Dr. Mohamed Ismail is retiring from the Florida Department of Citrus on September 30 after 37 years and 10 months of service.

"It has been a pleasure and an honor to be part of the FDOC and CREC families since December 1966," said Dr. Ismail, who began his career at CREC as a chemist with Mr. Dick Wolford. He also worked with C.D. Atkins and Dr. John Attaway on citrus flavor research early



**CREC Welcomes
 Dr. Carla McGill
 FDOC's new scientific
 research director**

see Dr. Ismail, p. 2

UF President Machen

UF President J. Bernard Machen, who took office Jan. 5, was formally inaugurated as UF's 11th president during ceremonies on Sept. 9-11. Some events associated with the inauguration, including an IFAS-sponsored symposium on genetics, were postponed after Hurricane Frances. Plans for rescheduling were not immediately available.



Arrington Extension Dean

Dr. Larry Arrington was named dean for extension and director of the Florida Cooperative Extension Service in the UF's Institute of Food and Agricultural Sciences (UF/IFAS).

Dr. Arrington's selection was announced on Aug. 20 by Dr. Richard Jones, UF interim senior vice president for agriculture and natural resources.

Dr. Arrington has a faculty background in agricultural education and communications. He joined the UF/IFAS faculty in 1981. He served as a district extension director for northwest Florida for six years. He was appointed Associate Dean for Extension in 1997 and Interim Dean in 2003.

IFAS Communications

Dr. Monica Lewandowski and CREC public relations student intern Meredith Morton participated in the IFAS Marketing and Communications statewide meeting in Gainesville on July 27-28. Communications and public relations personnel from on- and off-campus (photo) gathered to discuss IFAS marketing projects. Monica is seated far right. Standing far right, Holly Chamberlain, and standing second from right, Meredith. Other participants were from IFAS Marketing and Communications, IFAS Communications Services and other RECs and Extension offices.



Dr. Ismail . . . from p. 1

In his career. By the 1970s, Dr. Ismail's focus moved to postharvest physiology and technology, working on issues such as wastewater treatment, postharvest wound healing, quarantine fumigation, and cold-treatment protocols for Caribbean fruit fly. For much of his career, he has worked on issues pertinent to fresh citrus export to overseas markets.

From 1987-1995, Dr. Ismail served as FDOC's Assistant Director of Scientific Research. After the retirement of Dr. John Attaway, the FDOC Scientific Research Director, Dr. Ismail served as Director of Scientific Research – Fresh Fruit from 1995-2001. Since then, Dr. Ismail has been back in the research lab, conducting research in the area of fresh fruit quality, including the development of an automated peeling system for Florida citrus.

Last year, Dr. Ismail was inducted into the Florida Citrus Hall of Fame.

A native of Egypt, Dr. Ismail graduated with a B.Sc. in Agriculture from the University of Cairo in 1959. He taught Botany and Bacteriology at the Agricultural Institute in Shebin El-Kom, Egypt, and subsequently served as a Research Assistant in Ornamental Horticulture at the University of Cairo.

Dr. Ismail came to the U.S. with his wife

Fawzeyya in 1961 to pursue graduate work in horticulture at Purdue University where he received a Master's degree in 1963. He went on to earn a Ph.D. from UF in 1966, studying postharvest nucleic acid metabolism in citrus with Dr. Hilton Biggs.



Dr. Ismail was inducted into the Florida Citrus Hall of Fame last year. His family, who were in attendance at the induction ceremony, includes daughter Luby (front, center) and wife Fawzeyya (front, right); and sons Esaam and Hesham.

Dr. Ismail has published over 125 scientific papers and articles. His numerous awards include the Florida Fruit and Vegetable Association's "Annual Research Award" in 1983, *The Grower* magazine's "Excellence in Research Award" in 1982, and the Governor's Award for "Most Valuable and Distinguished Service to the State of Florida"

from Governor Bob Graham. He has been active in the Florida State Horticultural Society, serving various offices including president and chairman of the board. He is also an active member of the International Society of Citriculture and the American Society for Horticultural Science.

In late September, Dr. Ismail will participate in the annual meeting of the Istituto Sperimentale per l'Agricoltura in Acireale, Sicily, then visit the Island of Crete, Greece, as guest of Dr. Protopapadakis, Senior Scientist at the N.A.G.RE.F-Citrus Laboratory. "From there," said Dr. Ismail, "I will travel to Cairo for a visit with family."

Photo Fever!

Gretchen Baut, Monica Lewandowski and Meredith Morton presented a two-hour workshop, "Photo Fever! Introduction to Digital Photography and Tips for Taking Great Photos," at the 4-H State Congress on the UF Gainesville campus on July 29. Gretchen and Monica presented information on digital photography and cameras, then accompanied the 4-H students on a campus "photo shoot". The four-day event brings together 4-Hers from around the state for fun and educational activities. Nearly 30 high school

students participated in the digital photography workshop.

Gretchen Baut and George Brinkley attended the National Association of Photoshop Professionals annual conference in Orlando on Sept. 2-3. The conference, part of which was cancelled because of Hurricane Frances, included training sessions on Photoshop applications and new software development.

**Open enrollment
for state-sponsored benefits
Sept. 15 - Oct. 15**

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

Dr. Gene Albrigo's lab conducts research on the regulation of citrus flowering, fruit set and fruit development, climatic effects on fruit quality and citrus stress response.

Some of the lab's current projects are foliar nutrition on flowering and fruit set, carbohydrate allocation between vegetation and reproductive growth, developing expert systems for timing of production practices to the appropriate stage of reproductive growth, developing models to estimate yield potential in Florida and Brazilian citrus, and correlating satellite images with ground truth. Overall, the research aims towards a better understanding of reproductive growth and maximizing fruit production.

Recently, Dr. Albrigo's lab had quite a bit of extra help with the research projects. Over the summer, Dr. Albrigo hired several college students to help with his research, in addition to two other college students who work in the lab year-round. Dr. Albrigo's lab has many interesting people with varied backgrounds. The lab is located in the Building 7103 (west of BHG).



Left: Dr. Gene Albrigo works with his online web-based system designed to help citrus growers with management decisions related to flowering; center photo, William Swen, and far right photo, from left to right: Claire Denlinger, Patrick Dees (standing back), April Dozier (front), Rick Tempe and Carolina Sarmiento.

In Dr. L. Gene Albrigo's 36 years at CREC, he has studied preharvest conditions as they affect postharvest quality, stress physiology, and the influence of climate on reproductive growth.

Dr. Albrigo has a Ph.D. in horticulture from Rutgers University, and bachelor's and master's degrees from University of California-Davis.

Dr. Albrigo also teaches three courses in vegetative and reproductive growth of citrus, and citrus fresh fruit technology. He works closely with citrus growers and frequently participates in grower meetings and Extension events. Dr. Albrigo has been working to develop a web-based system to assist growers with management decisions related to flowering and fruit set. He is active in the Florida State Horticultural Society, International Society of Citriculture, American Society for Horticultural Science, International Society of Horticultural Science, as well as student education and other professional endeavors.

Dr. Albrigo has a number of hobbies and said that he regularly finds the time for golfing, volleyball and bodysurfing. When he has the time, he also enjoys camping, fishing, woodworking and remodeling. He said he also spends a good deal of his time helping his wife, Clydene, take her cats to shows. The Albrigos have about 20 purebred exotic Persian shorthair cats, some of which have been regional winners in the Cat Fanciers Association.

Dr. Albrigo said he likes fast cars and fast roads (which he says are hard to find, even in Germany), and drives a yellow baby Porsche.

He enjoys spending time with his 10 grandchildren, some of whom live locally, and as far away as Arizona and Germany.

William T. Swen is a biological scientist in Dr. Albrigo's lab who came to CREC for a year as a student in 1983, to study citrus production. William came back to CREC from his native Liberia in

2002 to work in an OPS position for Dr. Albrigo, and is currently a biological scientist. He holds a B.Sc. in zoology, with a minor in botany, from the University of Liberia, and a M.Sc. in applied plant science, with an emphasis in horticulture, from the University of London.

In Dr. Albrigo's lab, William supervises the OPS employees, compiles and analyzes data and conducts field work.

William has professional training as a fruit specialist and spent some time at the Hebrew University in Israel to study horticulture. He has conducted fruit crop studies in Nigeria, the Ivory Coast and in Ghana. He was also a teacher at the elementary, high school and university levels. From 1979-1989, he was a tree crops research officer at the Central Agricultural Research Institute in Liberia.

William also enjoys playing volleyball.

Patrick Dees has been working for Dr. Albrigo since February spraying fertilizer, collecting well samples, counting flowers and fruit, gathering harvest data, and working in the greenhouse. He also enjoys driving 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 historical models that he sells on e-Bay.

Rick Timpe has been working in Dr. Albrigo's lab for about nine months. His duties include 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

see Albrigo Lab, p. 6

CREC Graduate Symposium

Nearly 20 graduate students affiliated with CREC participated in the 1st Annual "Meet the CREC Graduate Students" symposium at CREC on Aug. 11. The CREC community and general public were invited to meet the CREC students and discuss their research. The turnout was excellent and included retired faculty and some



off-campus visitors. Participants included, left to right: Holly Chamberlain (IFAS Citrus Canker Extension and UF Plant Pathology student), Sukhpreet Sandhu (Dr. Singh), Sharath Cugati (Dr. Miller), Abeer Khalaf (Dr. Gmitter), Curt Colburn (graduate, Dr. Graham), Amandeep Khalon (Dr. Brlansky), Shilpy Singh (Dr. Singh), Ahmad Omar (Dr. Grosser), Marcela Tostes Frata (Dr. Rouseff, visiting from Brazil), Shamel Alam Eldein (Dr. Albrigo), Dalia Shawer (Dr. Nigg), Abby Guerra (Dr. Brlansky), Azza Hosni Mohamed (Dr. Grosser), April Elston (Dr. Rouseff), Kristin Nelson (Dr. Rouseff), and Kanjana Mahattanatawee (graduate, Dr. Rouseff). Not pictured, Eduardo Carlos (graduate, Dr. Gloria Moore and Dr. Ken Derrick), Wendy Bell (Dr. Rouseff). *Photos by Gretchen Baut.*



Left to right: Dr. Rebecca Darnell from the UF Horticultural Sciences Department attended the symposium and sought input for a report on off-campus graduate student education. Abby Guerra; Amandeep Kahlon speaks with Dr. Mathias Choquer; Eduardo Carlos speaks with Dr. Jude Grosser; Dr. Pete Timmer and Holly Chamberlain in front of the IFAS Citrus Canker Extension exhibit.



Left to right: Dr. Fred Gmitter and Abeer Khalaf, Kristin Nelson, Sukhpreet Sandhu, Dr. Megh Singh and Shilpy Singh, Dr. Herb Nigg and Dalia Shawer (Ph.D. student, entomology, Tanta University, Egypt). Drs. Ron Brlansky and Monica Lewandowski coordinated the symposium, special thanks to Gretchen Baut for posters and graphics, Shelby Graham for lunch and decorations, Jeanell Pruitt, Terry Daghita and custodial crew, and Karla Flynn, Kathy Witherington, Kathy Snyder, Linda Murphy, Barbara Thompson and Nancy Burke.



Left to right: Dr. Filomena Valim (FDOC) and her master's student from Brazil, Marcela Tostes Frata, speak with Dr. Larry Duncan; Shamel Alam Eldein and Dr. Gene Albrigo; Wendy Bell speaks with some visitors; a flavorful group photo: Dr. Ozan Gorbus (visiting scientist from Turkey), Dr. Filomanena Valim, Marcela Tostes Frata, Kristin Nelson, Kanjana Mahattanatawee, Jack Smoot, Wendy Bell, Dr. Russell Rouseff and April Elston.

Charley

Hurricane Charley left uprooted trees and large, broken limbs and branches throughout its path from the east coast, where it made landfall in the Punta Gorda area and whipped through Arcadia, Wauchula, Lake Wales, Haines City, Kissimmee and Orlando.

CREC buildings were spared major damage, but CREC personnel have been busy with clean-up and repair, including roof leaks, damaged greenhouses and screenhouses, and plenty of tree rubble. *Photos from Margie Wendell.*



Hangin' On

Hardee County, south of Polk County, suffered tremendous damage from Hurricane Charley. CREC employees contributed food, money and supplies for employees at the UF/IFAS Hardee County Extension office staff in Wauchula. The contributions were used to purchase turkey, and several employees prepared home-cooked dishes and desserts. **Jane and Jimmy Wilson, Linda Murphy and Monica Lewandowski** delivered the meal to Wauchula on Aug. 31.

Extension offices from around the state pitched in to provide daily meals for Hardee County's Extension office, which was without power for three weeks. "The people in IFAS have been like family," said Lockie Gary, County Extension Director, "only better cooks than my family!" IFAS Extension agents in Hardee County and elsewhere have been providing assistance to area cattle ranchers and citrus growers, as well as to the general community. The meals were gratefully received (see letter, right).

The supplies and non-perishable foods donated by CREC employees were given to families in the Wauchula area "that lost everything." After purchasing food for the hot meal, over \$150 in leftover money was used for supplies for Ivory Fisher, an IFAS employee in Hardee County whose home was destroyed.

Photo, above left: The UF/IFAS sign was down, but not out, at the Agri-Civic Center in Wauchula, site of the Extension office. Photo, above right: CREC's employees contributed money and food for Hardee County.



Dear CREC Faculty and Staff,

Words alone cannot express our gratitude for the help you gave us after Hurricane Charley turned our county upside down. The food was wonderful and we enjoyed it for several days. Thanks to all of you who took time to prepare food for us. The money that you collected was added to by our staff and given to our custodian who lost her house and all of her belongings in the storm. She was very appreciative. We have been so humbled by the way the Extension family has come to our aid. We have been truly blessed by your kindness and support. We are proud to say that Hurricane Frances was kind to Hardee County but are saddened that some of you in Polk County suffered loss. Again, we are so grateful to all of you and hope that at some point we will be able to repay your kindness.

Mary Mitchell, Carolyn Wyatt, Mary Alderman and Lockie Gary (Hardee County Extension)



Left: uprooted citrus trees and fruit on the ground are a common sight in southwest Florida after Hurricane Charley. Photo provided by Florida Citrus Mutual.



This looks like an outdoor scene, but it used to be Gretchen Baut's screened patio that was destroyed in Hurricane Charley. Gretchen's house suffered quite a bit of roof damage, but says, "At least I still have half my house left."



Jack Smoot took these photos after Hurricane Charley near his Winter Park home in Orange County. The photo, right, shows a downed power line outside his house.



These photos, taken by **Jeanell Pruitt**, show more trees down and some of the flooding after Hurricane Frances. Above left, an uprooted oak tree in Auburndale. Center photo, the waters kept rising in Jeanell's yard, but stopped short of flooding their home. Far right, Jeanell's dog Suzie gazes out at the flood waters.

News and Travels

Several processing scientists from CREC attended the American Chemical Society National Meeting and Exposition in Philadelphia last month. The FDOC's new scientific research director, **Dr. Carla McGill**, and **Dr. Bill Stinson** participated in a symposium, "Potential Health Benefits of Citrus." **Dr. Filomena Valim** presented two posters, "Impact of different juice extractor settings on the sensory characteristics of orange juice," and "Effect of chronic consumption of orange juice on the lipid profile and nutritional status of healthy subjects." **Dr. Kanjana Mahattanatawee** presented a poster, "Quantification of b-damascenone in orange juice using headspace standard addition SPME with selected ion GC-MS." This work was done in cooperation with Dr. Goodner at the USDA-ARS in Winter Haven and with Dr. Russell Rouseff at CREC.

Collison Brentu, a graduate student at the University of Ghana in Accra, will spend six months in Dr. Timmer's lab. Collison currently is working on *Phaeramularia* leaf and fruit spot for his thesis. He will be working on various projects on fungal diseases of citrus to learn methods of manipulating fungi and controlling diseases of citrus.

Laura Graham, daughter of **Dr. Jim and**

Susan Graham, graduated from Auburndale High School in May 2004 and is a freshman at East Carolina University in Greenville, North Carolina. She is majoring in exercise physiology and is aiming toward a career in physical therapy.

Scott Graham, son of **Dr. Jim and Susan Graham**, is in the first year of an MS program in Global Climate Change Biology at San Diego State University. His thesis research is focused on measurement of carbon losses in a burned and undisturbed chaparral ecosystem in Southern California. Scott previously worked at CREC for Dr. Joseph Noling.

Albrigo Lab . . . from p. 3

modestly said his Tampa team "is pretty good."

Claire Denlinger worked at CREC for Dr. Albrigo during the summer doing data collection and recording. The 2003 Winter Haven High School graduate is a sophomore at Emory University in Atlanta, and has yet to choose a major since Emory encourages its students to take 2 years to explore their options. Claire visited Europe during the summer, where she toured France and had the opportunity to see many of its famed sites.

April Dozier worked in Dr. Albrigo's lab

UF Paycheck Stubs Online

UF employees - haven't seen a "paycheck stub" lately? Paper copies of payroll and leave information are no longer distributed. UF employees can access this information online. Log onto my.ufl.edu, pull down the "My Self Service" menu, then click on the "Payroll and Compensation" link to view deductions, leave status and other information.

since June conducting 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, to earn a license in nuclear medical technology. April enjoys reading and visiting with her sister, nieces and nephews.

Carolina Sarmiento worked in Dr. Albrigo's lab this summer doing data collection. She is a recent graduate of the University of Florida's College of Agriculture. After graduating, Carolina planned to travel for a semester, 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 EPCOT's The Land. In the little free time she has, Carolina enjoys traveling and photography.

Welcome

Stephen Byers OPS (Dr. Noling)
 Michael Morris - Agric. assistant (Dr. Timmer)
 Virgil Stewart - motor vehicle operator (T. Gainey)
 Phillip O'Neill - OPS (Dr. McCoy)
 Dr. Wije Bandaranayake - postdoctoral scientist (Dr. Parsons)
 Julie Gmitter (Dr. Grosser)
 Dr. Carla McGill, FDOC Director of Scientific Research

Farewell to students and visitors . . .

Dr. Jaime Cubero - visiting (Dr. Graham)
 Claire Denlinger - OPS (Dr. Albrigo)
 Amanda Myers - OPS (Dr. K. Morgan)
 Amanda Parker - OPS (Dr. Grosser)
 Dr. Iqar Khan - Visiting scientist (Dr. Grosser)
 Jessica Noling - OPS (Dr. Graham)
 Meredith Morton - OPS (Dr. M. Lewandowski)
 Esther Dunn - student (Dr. Timmer)
 Dr. Curt Colburn - graduate (Dr. Graham) - Curt accepted a USDA postdoctoral position in Friedrich, Maryland.

Dr. Guangyan Zhong accepted a faculty position at the Citrus Research Institute in Chongqing, China.

Did we miss you? Send to Monica Lewandowski: mmlaw@crec.ifas.ufl.edu or Ext. 1233.

Manuscripts Submitted to the Publications Committee in July:

M. S. Borhan and L. R. Parsons. Laboratory Calibration of Low-Cost Capacitance ECH₂O Probes for Monitoring a Narrow Range of Soil Water in a Fine Sand Soil. *Soil Science Society of America Journal*.

D. B. Bright, M. S. Irely, L. E. Baucum, and J. H. Graham. Soil, Rootstock and Climatic Factors Affect Populations of Phytophthora in South Florida Citrus Plantings. *Proceedings of the Florida State Horticultural Society*.

J. W. Grosser and F. G. Gmitter, Jr. Applications of Somatic Hybridization and Cybridization in Crop Improvement, with Citrus as a Model. *In Vitro Dev. Biology - Plant (Proceedings of 2004 World Congress)*.

C. W. McCoy, W. S. Castle, J. H. Graham, J. P. Syvertsen, A. W. Schumann, and R. J. Stuart. Pesticides Suppress *Diaprepes abbreviatus* (L.) (Coleoptera: Curculionidae) and Promote Differential Growth and Survival of 'Hamlin' Orange Trees Budded to Five Rootstocks in a Phytophthora Infested Grove. *Proceedings of the Florida State Horticultural Society*.

M. G. Bauer, W. S. Castle, B. J. Boman, T. A. Obreza, and E. W. Stover. Root Systems of Healthy and Declining Citrus Trees on Swingle Citrumelo Rootstock Growing in the Southern Florida Flatwoods. *Proceedings of the Florida State Horticultural Society*.

J. P. Syvertsen, L. G. Albrigo, M. A. Ritenour, J. M. Dunlop, A. W. Schumann, R. C. Vachon, R. R. Pelosi, and M. S. Burton. Growth Conditions Affect Sheepnosing in Grapefruit. *Proceedings of the Florida State Horticultural Society*.

S. Singh and M. Singh. Effect of Temperature, Light, and pH on Germination of Twelve Weed Species. *Weed Science*.

F. E. El-Borai, L. W. Duncan, and J. F. Preston. Bionomics of a Phoretic Association Between a Putative *Paenibacillus* sp. and the Entomopathogenic Nematode *Steinernema diaprepesi*. *Journal of Nematology*.

F. Alferéz, L. Zacarias, and J. K. Burns. Cumulative Hours of Low Relative Humidity Before Storage at High Relative Humidity and Relative Humidity at Harvest Modulate the Severity of Postharvest Peel Pitting in Citrus. *Journal of American Society for Horticultural Sciences*.

H. Li, J. P. Syvertsen, C. W. McCoy, R. J. Stuart, and A. W. Schumann.

Soil Liming and Flooding Effects on Diaprepes Root Weevil Larval Survival and Citrus Seedling Growth. *Proceedings of the Florida State Horticultural Society*.

R. J. Braddock and R. M. Goodrich. Reduction of Limonene Chlorohydrins in Commercial Citrus Oils. *Journal of Food Science*.

H. Li, J. P. Syvertsen, R. J. Stuart, C. W. McCoy, and A. W. Schumann. Using Overlay Patterns of Soil Organic Matter Content, Electrical Conductivity and Diaprepes Root Weevil Populations for Delineating Management Zones in Citrus. *Proceedings of the International Conference on Precision Agriculture*.

M. Salyani and M. Farooq. Drift Potential of Citrus Air-Carrier Sprayers. *Proceedings of the Florida State Horticultural Society*.



Dr. Jackie Burns and friends gathered in August to wish **Dr. Guangyan Zhong** farewell. Dr. Zhong accepted a faculty position at the Citrus Research Institute in Chongqing, China. Pictured, left to right: Dr. Rongcai Yuan, Dr. Shila Singh, Dr. Burns, Dr. Zhong, Dr. Fernando Alferéz, Ana Redondo and Zhencai Wu. Dr. Zhong's wife, Li, worked for Dr. Timmer.



Congratulations to Dr. Chunxian and Huiqin Chen on the birth of their daughter, Manlu, born on Aug. 31 (6 lb. 11 oz, 19 3/4"). Huiqin works in Dr. Chung's lab, and Dr. Chunxian Chen works in Dr. Gmitter's lab.



Congratulations to Azza Mohamed and Ahmad Omar on the birth of their daughter, Aala Ahmad Omar (6 lb. 11 oz, 19 1/2"), born on Sept. 8. Azza and Ahmad are graduate students in Dr. Grosser's lab.

Artwork of **Lynn McCoy**, wife of Dr. Clay McCoy, is now on exhibition at the Showalter Hughes Community Gallery in Winter Park, Aug. 27-Oct. 2. The exhibition showcases "Spirit Houses" made by ceramic students at the Crealde School of Art. Spirit houses are a tradition in parts of Asia, including Thailand, and placed in homes, temples and businesses to welcome and care for spirits who will protect the structures and their inhabitants. The Spirit House in the photo is the creation of Lynn McCoy. The gallery is open to the public and located at 600 St. Andrews Boulevard in Winter Park.



Sun Mon Tues Wed Thurs Fri Sat

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

September 2004

FloridaAgCalendar.com
Ag industry events
statewide

			1	2	3	4
					Emergency closure Hurricane	
5	6	7	8	9	10	11
	Holiday Labor Day					
12	13	14	15	16	17	18
	Emergency closure Hurricane				Plant Path & Friends 11 am	
19	20	21	22	23	24	25
		Citrus Processing Short Course in Clearwater Beach			Plant Path & Friends 11 am	
26	27	28	29	30		
			Intl. Economic Outlook Conference in Tampa			

All events subject to change.

Some events were cancelled due to hurricanes. Where possible, check with event organizers for specific information on rescheduling.

Plant Path & Friends holds a weekly informal seminar on Fridays, 11 am - 12 pm (10:45 refreshments) in the BHG Teaching Lab. Topics are not restricted to plant pathology, and those interested are encouraged to give a talk or attend the presentations. For more information, contact Dr. Chung at krchung@crec.ifas.ufl.edu or Ext. 1369.

Citrus Pathology course: cancelled.

Upcoming:

Citrus Processing Short Course, Sheraton Sand Key Resort, Clearwater Beach. Sept. 21-24.

9th International Economic Outlook Conference, Grand Hyatt Tampa Bay, Sept. 28-29. www.juiceproducts.org/2004_eoc/

Certified Crop Adviser Educational Seminar. 5 CEUs crop management; 5 CEUs soil and water management. \$100 by Oct. 6. www.crec.ifas.ufl.edu/caa_training