



Citrus Leaves

April 2001

Citrus Research and Education Center - News and Information

Volume 19, No. 4

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Congressman Putnam at CREC

Public Town Hall Meeting on April 11



U.S. Congressman Adam H. Putnam (FL-12) will hold a town hall meeting in Lake Alfred at CREC on April 11, 6 pm, in BHG Room 1. The public is invited.

Congressman Putnam represents District 12 in the U.S. House of Representatives, which includes much of Polk county, all of DeSoto and Hardee counties, and portions of Hillsborough, Pasco and Highlands counties.

He is a native of Bartow, and graduated from Bartow High School and UF with a B.S. in Food and Resource Economics. Elected to U.S. Congress in November, he is also involved in his family's citrus and cattle business.

Dr. Arnold Schumann Joins CREC Faculty



Dr. Arnold Schumann joined the CREC faculty in February as Assistant Professor of Citrus Nutrition. He brings over 15 years of experience in agronomy and plant nutrition to CREC.

A native of South Africa, Dr. Schumann holds a Bachelor's degree and MSc. in Agronomy from the University of Natal. He

See Dr. Schumann, page 8

Citrus Leaves

Would you like to be a part of Citrus Leaves? We welcome your contributions, suggestions and corrections. Send to Monica Lewandowski, Ext. 233 or mmlew@lal.ufl.edu.
Editor: Public Relations, Monica Lewandowski; Photography: Gretchen Baut; Production and Distribution: Word Processing, Barbara Thompson, Supervisor, Kathy Snyder, Karla Flynn, Linda Murphy and Justin Tabb; Customer Service, Kathy Witherington, Supervisor, and Nancy Burke.

Dr. Knapp To Retire in April



Dr. Joseph L. Knapp, Extension Integrated Pest Management (IPM) Specialist for citrus and Professor of Entomology, will retire on April 30, 2001 after 24 years at CREC.

Dr. Knapp worked closely with researchers, regulatory agencies and the agricultural chemical industry to establish

grower education programs in IPM through newsletters, publications, grower meetings, demonstrations and grove visits. He is recognized worldwide for his expertise in the cultural, chemical and biological control of

See Dr. Knapp, page 5

Retirement Reception
for
Dr. Joseph L. Knapp
April 30
BHG Rooms 3-4
3:00 pm

Twenty Greatest Engineering Achievements of the 20th Century

Mechanization of Agriculture Ranks No. 7

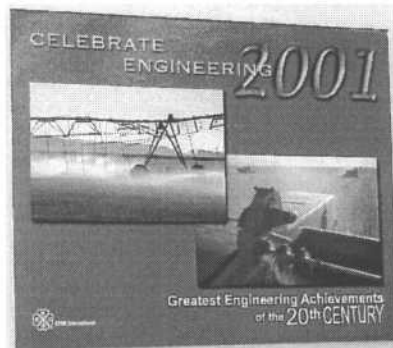
This year's Citrus Engineering Conference, held at CREC in March, featured a photo display celebrating some of the greatest engineering achievements of the 20th century. The achievements were nominated by professional engineering societies, then selected and ranked by a committee convened by the National Academy of Engineers.

For more information, visit www.greatachievements.org.

1. **Electrification** - the vast networks of electricity that power the developed world.
2. **Automobile** - revolutionary manufacturing practices made the automobile the world's major mode of transportation by making cars more reliable and affordable to the masses.
3. **Airplane** - flying made the world accessible, spurring globalization on a grand scale.
4. **Safe and Abundant Water** - preventing the spread of disease, increasing life expectancy.
5. **Electronics** - vacuum tubes and later, transistors that underlie nearly all of modern life.
6. **Radio and Television** - dramatically changed the way the world received information and entertainment.
7. **Agricultural Mechanization** - leading to a vastly larger, safer, less costly food supply.
8. **Computers** - the heart of the numerous operations and systems that impact our lives.
9. **Telephone** - changing the way the world communicates personally and in business.
10. **Air Conditioning and Refrigeration** - beyond convenience, it extends the shelf life of food and medicines, protects electronics, and plays an important role in health care delivery.



Tam Nguyen (left) and Sherrie Buchanon examine a photo display celebrating some of the Greatest Engineering Achievements of the 20th Century.



The tractor, combine and hundreds of other machines gave farmers the mechanical advantage they needed to increase productivity and ease the burdens of their hard lives.

11. **Interstate Highways** - 44,000 miles of U.S. highway allowing goods distribution and personal access.
12. **Space Exploration** - going to outer space vastly expanded humanity's horizons and introduced 60,000 new products on Earth.
13. **Internet** - a global communications and information system of unparalleled access.
14. **Imaging Technologies** - revolutionized medical diagnostics.
15. **Household appliances** - eliminated strenuous, laborious tasks, especially for women.
16. **Health Technologies** - mass production of antibiotics and artificial implants led to vast health improvements.
17. **Petroleum and Gas Technologies** - the fuels that energized the 20th century.
18. **Laser and Fiber Optics** - applications are wide and varied, including almost simultaneous worldwide communications, non-invasive surgery, and point-of-sale scanners.
19. **Nuclear Technologies** - from splitting the atom, we gained a new source of electric power.
20. **High Performance Materials** - higher quality, lighter, stronger and more adaptable.

"You have this tremendous capability of feeding the world," Al Kurzenhauser told the audience at the 47th Annual Citrus Engineering Conference on March 22 at CREC. Kurzenhauser is Governor of the American Society of Mechanical Engineers. "We have created better living conditions for the people of the world [in the last century]," he said, referring to the Greatest Achievements of the 20th Century.

Agricultural mechanization came in at No. 7 in the list (see above). According to the National Academy of Engineering, at the beginning of the 20th century it took four farmers to feed 10 people. Today, a single farmer can produce enough food to feed 97 Americans and 32 people in other countries. Twentieth century engineering has made the difference. The tractor, the combine, and hundreds of other machines and devices gave farmers the mechanical advantage they long needed to ease the burdens of their hard lives. The spread of advanced agricultural technology around the world offers promise in the battle against hunger in the new millennium.

"You have this tremendous capability of feeding the world."
Al Kurzenhauser at the 47th Annual Citrus Engineering Conference on March 22 at CREC.

Chin Shu Chen Receives Citrus Engineering Award

Dr. Chin Shu Chen, retired UF Professor of Food Engineering at CREC, was presented with the Citrus Engineering Award at the 46th Annual Citrus Engineering Conference on March 22 at CREC.

The award, which is sponsored by Florida Power Corporation, recognizes lifetime achievements in the field of citrus engineering. Recipients are selected by the Citrus Engineering Conference Committee of the American Society of Mechanical Engineers - Florida Section.

Susan Postans of Florida Power Corporation presented the award to Chen, which includes a plaque and a \$1500 scholarship to be designated to the school of the recipient's choice. This year's scholarship will be donated to CREC to support graduate student research and education in engineering.

Chen, a native of Taiwan, received a B.S. in Agricultural Engineering from National Taiwan University. In 1963, he enrolled at the

University of Massachusetts, one of the first universities to establish a new Food Engineering program. Chen, who was among the program's first students, obtained his M.S. degree from the University of Massachusetts, and his Ph.D. from North Carolina State University.

Chen joined the scientific research staff of the Florida Department on Citrus at CREC in 1978. His work led to improved energy efficiency in the operation of frozen concentrate juice evaporators, at a time when energy conservation was a top priority for the industry.

Chen joined the UF faculty at CREC in 1985. He expanded our knowledge of the fundamental aspects of juice pasteurization, evaporation and concentration, and his studies on the physico-chemical properties of juice are important to the operation of citrus juice processing

plants today. Chen's computerized method for calculating the amounts of sugars in citrus juice (known as Brix

Chin Shu Chen is the third CREC recipient of the Citrus Engineering Award. The FDOC's Cedric Donald Atkins received the award in 1990 and UF's James Kesterson in 1997.

and pound solids) is used by major food companies, and his publication, "Brix and Pound Solids Tables," is widely used by juice processors.

Chen authored over 100 scientific papers and holds patents for some of his work. Most recently, Chen's was instrumental in the development of a new technique to clarify fruit juice. This process can be used by the industry to improve current citrus juice processing and develop new juice products. He retired from UF on September 30, 1999.

The one-day conference was highlighted by presentations from invited speakers on engineering challenges and issues facing the citrus industry. Over 200 people attended this year's conference, which was chaired by Tom Schell, Southern Gardens Citrus. ♦



Susan Postans of Florida Power Company presents a plaque to Dr. Chin Shu Chen.
Photo by G. Baut.



Dr. Galen Brown, FDOC, addressed the audience about mechanical harvesting.

The Citrus Engineering Conference is organized by a committee comprised of members of the American Society of Mechanical Engineers. CREC members include Drs. Bill Miller, Robert Braddock and Renee Goodrich.

Congratulations



Dr. Francisco Ochoa completed his Ph.D. in Plant Pathology from the University of Florida. Dr. Ochoa studied with Dr. Richard Lee. His Ph.D. dissertation was entitled, "Citrus Tristeza Virus: Molecular Characterization of Isolates For Use in Mild Strain Cross Protection, Localization of the 5'-Terminus and Heterologous Encapsidation."

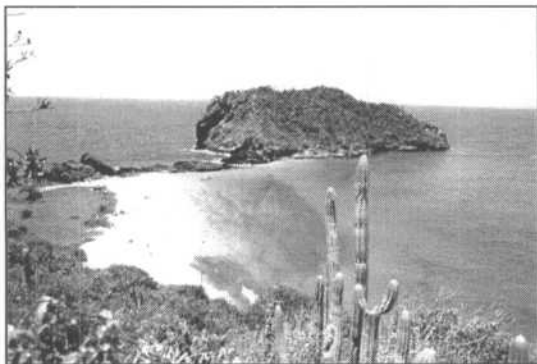
Dr. Ochoa has accepted a post-doctoral position at the UF/IFAS Gulf Coast REC in Bradenton, where he will work with Dr. Jane Polston.



Dr. Richard Lee (left) with Dr. Francisco Ochoa and his wife, Olimpia.

Beauty of Venezuela

Dr. Francisco Ochoa presented a slide show of stunning sights and beautiful photographs (taken by Francisco) of his home country of Venezuela. Venezuela, on the northern coast of South America, has a varied landscape and geography, from coastal regions to the Andes to savannas and grasslands and even desert. Although the country has a tropical climate, some of the northern Andean peaks have snow. Here, Dr. Ochoa shares some of his photographs from Venezuela.



One of Venezuela's breathtaking beaches, Cata Bay Beach in the Henry Pittier National Park, Arauca State.



Francisco and Lucy at Quebrada Jaspe/Canaima National Park, Gran Sabana - known for its beautiful jade stone.



Daughter Lucy on a trip to the desert at Los Medanos National Park, Falcon State, Venezuela.



Olimpia Ochoa in Bolivar City, Bolivar State. The architecture of the city is typical of Spanish colonial times.

Dr. Knapp Retirement from page 1

insects, mites, nematodes and plant diseases affecting citrus. Since 1977, he was author and/or editor of the UF/IFAS Extension publication, the Florida Citrus Spray Guide, now known as the Florida Citrus Pest Management Guide. He authored numerous Extension publications, book chapters, articles and research publications. He was an active member of the Entomology Society of America, where he served on numerous committees and held section offices. He served as Section Editor of "Citrus, Nut and Avocado - "Insecticide and Acaricide Tests" from 1987-1992. Dr. Knapp was an active member of the Florida Entomological Society,

serving as President in 1991. He also served on committees and boards for the American Registry of Professional Entomologists. In addition, he was a member of the Florida State Horticultural Society, International Organization on Biological Control and the Caribbean Food Crops Society. He received the Achievement Award for Extension and the Florida Fruit and Vegetable Association "Research Scientist of the Year" award in 1997.

Dr. Knapp and his wife have relocated to Gainesville and will be honored at a retirement reception at CREC on April 30, 3:00 pm in BHG. The CREC community is invited.

Citrus Canker Info

Canker decontamination/disinfection procedures are mandatory for equipment and personnel working near or contacting any citrus plants both upon entry and departure of an area, regardless of whether an infestation has been proven to exist. Info is posted on a bulletin board outside the CREC Mailroom.

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 ON-SITE MEMBERSHIP DRIVE

April 9, 2001

CREC - Conference Room Behind Main Switchboard
10:00 am - 2:30 pm
All CREC employees eligible

\$35 to join or renew (Only cash or check accepted)
Reduced rates on additional family members
Field promotion only - special rates not available in store
For the SAM'S Club nearest you, call 1-800-881-9180

- Upcoming Scientific Seminars -

Tuesday, April 3

"Recent Advances in Understanding the Flavor of Citrus Juices"

Dr. Russell Rouseff, UF/CREC Professor of Food Science
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, April 10

"Citrus Peeling Technologies"

Dr. Mohamed Ismail and Mr. Mark Thomas, FDOC/CREC
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, April 17

"New and Always Changing Peel Disorders of Florida Citrus"

Dr. Mark Ritenour, UF/IFAS Indian River REC, Ft. Pierce
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, April 24

"Biology and Epidemiology of Citrus Greasy Spot Caused by *Mycosphaerella citri*"

Dr. Sachindra Mondal, UF/CREC Assist-In Plant Pathology
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, May 1

"Somatic Hybrid Rootstocks Show Promise for Tree Size Control"

Dr. Jude Grosser, UF/CREC Professor of Horticulture
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, May 15

"Physiological Factors Affecting the Response of Mature Valencia Orange Fruit to Abscission Chemicals"

Dr. Rongcai Yuan, UF/CREC Post-Doctoral Research Assoc.
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, May 22

"Interaction Between Nematode and Fungal Pathogens of Citrus Fibrous Roots"

Mr. Fahiem Elborai-Kora, UF/CREC Graduate Student
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

Tuesday, May 29

"Activity of Benomyl for the Control of Postbloom Fruit Drop of Citrus Caused by *Colletotrichum acutatum*"

Ms. Natalia Peres, UF/CREC Visiting Scientist
BHG Room 1 - 11 am-12 noon (10:45, refreshments)

- NEWS AROUND CREC -

From Personnel



Time Cards Due:
Monday, April 9
Monday, April 23

CREC Graduate Student Discussions Tuesdays, 4 -5 pm BHG Teaching Lab

CREC Graduate students *et al.* invite you to join them every Tuesday afternoon, 4:00 - 5:00 pm in the BHG Teaching Lab for an informal discussion about research, education, etc. A different CREC speaker is featured each week. For more information, contact Fahiem Elborai Kora.

ICS Faculty/Staff Development Workshops

IFAS Communications Services (ICS) offers workshops in various topics for all personnel. Most of the workshops are held in the UF/IFAS Distance Education Center in Gainesville, but many are offered by request at CREC through the videoconferencing network and are open to *everyone* at CREC. For more information and the full spring schedule, see: <http://disted.ifas.ufl.edu/support/training.htm>

To sign up and request the videoconference at CREC, go to: <http://disted.ifas.ufl.edu/support/trainingsignup.htm>

April 4 - Designing a Course With WebCT

This session is targeted at faculty who currently have a WebCT account or about to get one. We will discuss issues related to organizing and presenting course information with the WebCT interface and how to enhance your WebCT site with web pages and other resources not available with WebCT.

UF Distance Education Catalogs Available

The UF Distance Education Catalog For Summer and Fall 2001 is now available on-line: disted.ifas.ufl.edu/pdf/Summer_Fall2001_DE_Catalog.pdf.

The catalog contains a list of UF distance education courses available by interactive videoconferencing, videotaped lectures and the world wide web for academic course credit, a Professional Master of Agriculture degree and/or credits toward Teacher/Professional certification.

Print copies of the catalog are available in the CREC library or the in reception area in Building 24 (Main Reception Desk).

For more information on UF Distance Education, visit: disted.ifas.ufl.edu/info/info.htm.

- Information and Training Seminars -

All employees invited to attend

April 6

"Fire Safety and Fire Extinguisher Training"

Mr. Larry Cloud, Chief, Lake Alfred Fire Department
Friday, April 6 - 11 am-12 noon
BHG Room 1

April 13

"Statistics: Comparison of Means - Contrast and Multiple Comparisons"

Dr. Ramon Littel, UF Professor of Statistics
Friday, April 13 - 11 am-12 noon
BHG Rooms 3-4

May 4

"General Home and Work Safety"

Mr. Larry Cloud, Chief, Lake Alfred Fire Department
Friday, May 4 - 11 am-12 noon
BHG Room 1

May 25

"Statistics: Understanding the Meaning and Need of Replication"

Dr. Ramon Littel, UF Professor of Statistics
Friday, April 13 - 10 am-12 noon
BHG Rooms 3-4

Sign up at disted.ifas.ufl.edu/support/trainingsignup.htm to request the videoconference at CREC.

April 25 or 27, 2001 - Saving Your Data: Making Archival CD-ROMs

Do you back-up your important computer files on a regular basis? Is a Zip disk too small to hold all of your data?

Make sure your important data is back-

up by making an archival CD-ROM. If you've ever lost computer files to hard disk failure, this workshop is for you.

April 25th 3:00-4:00 p.m. OR April 27th 1:30-2:30 p.m. Please note: This is ONE workshop offered TWO different times.

Sign up at disted.ifas.ufl.edu/support/trainingsignup.htm to request the videoconference at CREC.

A CREC Welcome to

Qi Fa Zheng - OPS (Dr. Gmitter)
Dawn Brickman - OPS (Dr. Orbovic)
Jason Tesky - OPS (Dr. Chung)
Clifton Adams - OPS (Dr. Orbovic)
Dr. Wenwu Guo - Post-doc (Dr. Grosser)
Gustavo Ramos - OPS (Dr. Gmitter)
Adam Wilson - OPS (Dr. Gmitter)
Manuella Zude-Sassi (Dr. Miller)
Eric Livingston - OPS (Kelly Morgan)
Dr. Yoseph Levy - Visiting Scientist (Dr. Syvertsen)
Samira Fares - OPS (Dr. Zhang)
Daniel Tuzzolo - Maintenance Specialist (K. Jacobson)



Congratulations to **Travis** (Dr. Timmer's lab) and **Kelly Roland** on the birth of their baby girl, **Taylor Brook** (7 lbs., 14 oz., 20")

Our deepest sympathy to **Shelby Graham** on the passing of her Uncle **Cliff**.

Farewell

Lacey Nagy - OPS (Dr. Nigg)
Nicole Pearn-Smith - OPS (Dr. Nigg)
Dr. Dilip Ghosh - Visiting Scientist (Dr. Brlansky)
Connie Noxel - Mailroom (K. Witherington)
Philip Bushong - (Dr. Timmer)
Michael Adams - OPS (Dr. Albrigo)
Jose German Genta - Visiting Scientist (Dr. Timmer)
Dr. Francisco Ochoa - graduate student (Dr. Lee)
Dr. Oscar Olivares-Fuster - post-doc (Dr. Grosser)
Bill Swan - OPS (B. Nielsen)
Dr. Yu Changhe and Guo Tang - (Dr. Gmitter)



Farewell to **Bill Swan**, who resides in Florida but returns to their summer home near Lake Huron in Michigan each year.



Farewell and Best Wishes to **Dr. Yu Changhe** (top left) and his wife, **Guo Tang** (top right) from Dr. Gmitter's lab, who left for a new position in Montreal. Also pictured, their daughter, **Ping Yu** (lower left) and **Dr. Chunxian Chen's daughter** (lower right).



Farewell and Best Wishes to **Connie Noxel**, Mailroom Clerk.

CREC Soccer Players in Lakeland



Oscar Olivares-Fuster (left) in action.

For several years CREC fielded a soccer team that competed in a city league in Auburndale. Last fall, the league discontinued its soccer league (the league's main organizer left), so several CREC soccer players joined a team in Lakeland, including: **Angie Grant** (Abscission Project, Dr. Burns), **Elisabeth Knapp** (post-doc and plant virologist with Dr. D. Lewandowski), **Oscar Olivares-Fuster** (post-doc with Dr. Grosser), **Victor Medina** (visiting scientist in the Grosser lab), **John Jifon** (post-doc and plant physiologist in the Syvertsen Lab), **Raul Villanueva** (graduate student in entomology with Dr. Childers) and **Abdullah Al-Zadadjali** (visiting scientist in the Grosser Lab). Below, some photos contributed by **Hugo Aguilar**.



John Jifon (far left) and **Oscar Olivares-Fuster** (far right) on the field.



Bottom row, soccer players **Elisabeth Knapp** (left) and **Angie Grant**. Top row, "cheerleaders" **Zenaida Vilorio** (left) and **Natalia Peres**.



Farewell and best wishes, Oscar!

Oscar Olivares-Fuster, above, takes a breather during a halftime break. Oscar returned to Spain in March. His many friends wish him good luck and best wishes!

Dr. Shumann . . . from page 1

received his Ph.D. in 1997 from the Crop and Soil Science Department at the University of Georgia, where he studied and conducted research with Dr. Malcolm Sumner.

Prior to coming to Lake Alfred, Dr. Schumann conducted weed management research at the Institute for Commercial Forestry at the University of Natal. Most recently he was involved in sugarcane nutrition and nitrogen-use efficiency studies with the South African Sugar Association's Experiment Station in Mount Edgecombe.

One of Dr. Schumann's interests is using precision agriculture to improve soil and crop management. For example, aerial mapping can be used to detect areas of poor productivity in a grove, then analyses of soil properties in the grove can help identify causes - and remedies - for the low productivity.

He sees great potential for improving crop management by studying in-field soil variability and improving soil management.

Dr. Schumann will also be involved in nitrogen fertilizer studies for citrus. In recent years there has been intense pressure on agriculture to reduce the leaching of nitrogen and other chemicals into the groundwater. Dr. Schumann will work with other scientists, regulatory agencies, water management districts and the citrus industry to develop Best Management Practices (BMPs) that will minimize effects on the environment and optimize crop yields.

Other projects include studies on applications of calcium, particularly calcium nitrate, to alleviate temporary deficits in calcium during flowering. Dr. Schumann is investigating whether calcium treatments will help improve flower set and fruit formation in citrus.

Dr. Schumann has also sought funding to develop a portable meter to measure leaf nitrogen in the field as a tool to help growers in fertilizer management.

Dr. Schumann and his wife, Rhonda, have a 14-year old daughter, Sylvia. His lab and office are located in Building 7110.

Manuscripts Submitted in March 2001



S. Rabindran and W. O. Dawson. Assessment of Recombinants That Arise from the Use of a TMV-Based Transient Expression Vector. *Virology*.

M. Singh and S. Sharma. Bioecological Factors Affecting Germination of Phaseybean (*Macroptilium lathyroides*) and Guineagrass (*Panicum maximum*). *British Crop Protection Conference - Weed (Ref. Proc.)*.

W. S. Castle, M. Kesinger, and R. E. Rouse. The Current Situation in the Florida Citrus Nursery Industry. *Proceedings of the International Society of Citrus Nurserymen*.

J. M. S. Scholberg, L. R. Parsons, T. A. Wheaton, and K. T. Morgan. Physiological and Production Considerations for Improving Nitrogen Uptake Efficiency of Citrus. *Proceedings of the International Society of Citriculture*.

P. J. Fellers and S. Pao. Citrus Fruits: Oranges. *Encyclopedia of Food Science and Nutrition*.

J. P. Michaud. Non-target Impacts of Acaricides on Ladybeetles in Citrus: A Laboratory Study. *Florida Entomologist*.

J. P. Syvertsen and J. L. Jifon. Very Frequent Fertigation Does Not Affect Tree Growth, Fruit Yield, Nitrogen Uptake and Leaching Losses from Lysimeter-Grown Citrus Trees. *Proceedings of the Florida State Horticultural Society*.

7th Biennial Meeting of the Florida Phytopathological Society May 8 & 9, 2001

Hosted by Citrus Research and Education Center

The 7th Biennial Meeting of the Florida Phytopathological Society provides a prime opportunity to present phytopathological research or observations to other pathologists and related specialists from the region. If you wish to present a paper or discuss an important issue on a special topic, contact the appropriate session moderators or a topic section leader. For more information, contact Pete Timmer at CREC or Richard Raid (561) 993-1564 or rnr@gnv.ifas.ufl.edu. Deadline for supplying titles to finalize the program is April 6, 2001.

Tentative Agenda

Monday, May 7 PM - Informal and Social (Hosted by Pete Timmer)

Tuesday, May 8

7:30 - 8:30 am - Registration

8:30 am - General Session (Invited Speakers)

10:30 am - Graduate Student Paper Competition
Florida Disease Updates

12:00 pm - Lunch

1:30 - 4:30 pm Concurrent Sessions

Bacterial Diseases (moderated by Dr. J. B. Jones) Chemical Control (moderated by Dr. T. Kucharek)
Soil-borne Diseases (moderated by Drs. L. E. Datnoff & C. Stiles) Viral Diseases (moderated by Dr. R. Brlansky)

6:00 - 7:00 pm - Social Hour

7:00 - 9:00 pm - Dinner

Wednesday, May 9

7:30 - 8:00 am Registration

8:00 - 11:30 am Concurrent Sessions

Biological and Cultural Control (moderated by E. Roskopf)
Molecular Plant Pathology (moderated by Dr. W. Song)
New and Resurgent Diseases and Diagnosis (moderated by Dr. T. Shubert)

11:30 - 12 noon Short FPS Business Meeting
Adjourn

April 2001

All events subject to change.

April 2001

Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1	2	3 Seminar: Dr. R Rouseff "Citrus Juice Flavor" 11 am Grad student seminar/4-5 pm	4	5	6 I&T Seminar: Fire Safety/ Fire Extin- guishers 11 am	7
8	9	10 Seminar: Dr. Ismail & M. Thomas "Citrus Peeling Technol" 11 am Grad student seminar/4-5 pm	11 Supervisor's Meeting: 8:30 am Town Hall Mtg US Rep Putnam 8 pm - BHG	12 Extension District IV Faculty Mtg	13 Statistics Seminar: "Comparison of Means..." Dr. Litell 10 am	14
15	16	17 Seminar: Dr. M Ritenour "Peel Disorders" 11 am Grad student seminar/4-5 pm	18	19 Faculty Mtg 8:30 am	20	21
22	23	24 Seminar: Dr. S Mondal "Greasy Spot" 11 am Grad student seminar/4-5 pm	25 Centerwide Staff Mtg 3 pm - BHG	26	27 Citrus Canker Task Force	28
29	30 Retirement Reception for Dr. Knapp 3 pm					

3 - "Recent Advances in Understanding the Flavor of Citrus Juices" Dr. Russell Rouseff, UF/CREC. BHG Room 1, 11 am-12 noon (10:45, refreshments)

6 - "Fire Safety and Fire Extinguisher Training" - Mr. Larry Cloud, Chief, Lake Alfred Fire Dept. BHG Room 1, 10 am.

10 - "Citrus Peeling Technologies" Dr. Mohamed Ismail and Mr. Mark Thomas, FDOC/CREC. BHG Room 1, 11 am-12 noon (10:45, refreshments)

11 - Supervisor's Mtg, Packinghouse Conf. Room, 8:30 - 10:30 am.

11 - Public Town Hall Meeting. U.S. Congressman Adam Putnam. BHG Room 1, 6 pm.

12 - Ext. District IV Faculty Mtg. BHG, all day.

13 - Statistics Seminar: "Comparison of Means - Contrast and Multiple Comparisons." Dr. R. Litell, UF Prof. of Statistics. BHG Rooms 3-4, 10 am-12 noon.

17 - "New and Always Changing Peel Disorders of Florida Citrus." Dr. Mark Ritenour, UF/IFAS Indian River REC, Ft. Pierce BHG Room 1, 11 am-12 noon (10:45, refreshments)

19 - Faculty Mtg. BHG Rooms 3-4, 8:30 - 10:30 am.

24 - "Biology and Epidemiology of Citrus Greasy Spot Caused by *Mycosphaerella citri*" Dr. Sachindra Mondal, UF/CREC Assistant-In Plant Pathology. BHG Room 1, 11 am-12 noon (10:45, refreshments)

25 - Centerwide Staff Meeting. BHG Rooms 1-2, 3-5 pm.

27 - Citrus Canker Task Force Mtg. BHG Room 2, 9:30 am.

30 - Retirement Reception for Dr. Joseph Knapp. BHG, 3 pm.