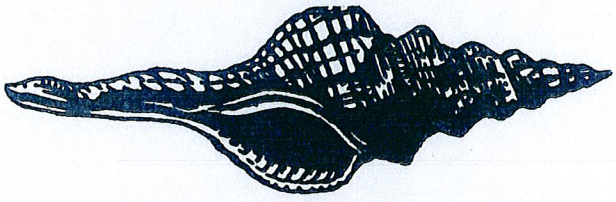
FPAC '99

SECOND ANNUAL FOODBORNE PATHOGEN ANALYSIS CONFERENCE

Wednesday - Friday
July 14 - 16, 1999



TradeWinds
ON ST. PETERSBURG BEACH • FLORIDA

Florida Department of Agriculture & Consumer Services
BOB CRAWFORD, Commissioner
The Capitol • Tallahassee, FL 32399-0800

Please Respond to:

July 14, 1999

To the Attendees:

While the American food supply is among the safest in the world, there are still millions of Americans stricken each year by foodborne illness caused by pathogenic microbial contamination. Food analysis presents many challenges as each sample in the wide range of food available is complex and non-homogeneous in and of itself, and many current food analyses for pathogens are quite time consuming.

Addressing the need for fast and cost-effective methods, the goal of this Conference is to provide a forum for participants to meet and to share the development and challenges of food testing by exchanging knowledge and experience. Smarter and faster methods are in demand for analysis of foodborne pathogens. Application feasibility of technology and instrumentation employed in clinical and environmental testing will be explored in the exhibitor presentations.

Please take time to enjoy the amenities of our Sunshine State and of the TradeWinds Resort. The Tradewinds will again provide a fabulous reception on Wednesday evening.

Please let us know if we can be of any assistance.

Sincerely,

BOB CRAWFORD
COMMISSIONER OF AGRICULTURE

Conference Committee:
Dr. Joanne Brown, Fran Porter
Grace Hall, Peggy Melton

SUMMARY OF EVENTS

Wednesday Afternoon, July 14, 1999

8:00 - 11:00	SET UP EXHIBITS in the Jacaranda Conference Center
12:00 - 12:45	REGISTRATION in the Pavilion
12:00 - 12:30	AUDIO-VISUAL SET UP in the Island Ballroom
12:00 - 5:00	EXHIBITS in the Jacaranda Conference Center
12:45 - 5:00	CONFERENCE PROGRAM in the Island Ballroom
6:00 - 7:00	RECEPTION in the Jacaranda Conference Center

Thursday, July 15, 1999

7:30 - 8:00	REGISTRATION in the Pavilion
7:30 - 8:00	COFFEE - In the Exhibition Hall (Jacaranda)
8:00 - 5:00	CONFERENCE PROGRAM in the Island Ballroom
8:00 - 5:00	EXHIBITS in the Jacaranda Conference Center
12:00 - 1:00	POSTER SETUP in the Jacaranda Conference Center
3:30 - 5:00	EXHIBITORS' PRESENTATIONS / POSTER SESSION

Friday, July 16, 1999

7:30 - 8:00	COFFEE - In the Exhibition Hall
7:30 - 12:00	EXHIBITS in the Jacaranda Conference Center
8:00 - 12:00	CONFERENCE PROGRAM in the Island Ballroom

Exhibits Open:

Wednesday, 12:00 noon - 5:00 p.m.
Thursday, 7:30 a.m. - 5:00 p.m.
Friday, 7:30 a.m. - 12:00 noon

Please note: **Door prizes will be drawn at the end of each morning and afternoon session. You must be ON TIME at the beginning of each session to receive a ticket. You must be PRESENT AT THE DRAWING TO WIN.**

We appreciate the interest and support of the exhibitors! Please be sure to visit the exhibitors and discuss your interests and needs with them during the breaks and any other time.

EXHIBITORS

ABC Research Corporation
Patricia L. Baxter, Kathy Smith

Advanced Instruments Inc.
Spiral Biotech
Ken Russell, Dr. Chris Wilkins

Becton Dickinson Biosciences
Susan Smith

Biocontrol Systems, Inc.
Bob Demaree

bioMérieux Vitek, Inc.
Dave Manley

Biopath, Inc.
April Blanco, Tom Warriner

Centers for Disease Control and Prevention
Dr. Michael J. Arrowood

DiverseyLever - US Food Group
Russ Gearhart, Gary Gorman

Food and Drug Administration
Lynne C. Isaacs

Medallion Laboratories
Barbara Beckman

Neogen Corporation
LeeAnn Applewhite

Organon Teknika Corporation
Troy Hafer

Remel, Inc.
Janice Jacobs, Ed George

Silliker Laboratories Group, Inc.
Kurt Westmoreland, Elizabeth Johnson

Stratecon Diagnostics Int'l.
Richard Pocock

Toxin Technology, Inc.
Dr. Raoul F. Reiser, Paul F. Bina

United States Department of Agriculture
Janell R. Kause, Dr. Patricia White

Zep Manufacturing
Tony Hamilton, Suzan Lewis

CONFERENCE PROGRAM

Wednesday Afternoon, July 14, 1999

12:00 - 12:45	REGISTRATION - Pavilion EXHIBITS (Open 12:00 - 5:00)
12:45 - 1:00	***Announcements and Welcome*** *- **Dr. Joanne Brown,** Chief, Bureau of Food and Residue Laboratories, Florida Department of Agriculture & Consumer Services (FDACS)*
1:00 – 1:45	**Keynote** - Food Safety: A Moving Target - **Michael Brodsky**, Silliker Laboratories, Canada
1:45 – 2:30	CDC Surveillance Using PulseNet and FoodNet - **Dr. Tim Barrett**, Centers for Disease Control and Prevention
2:30 – 3:00	**BREAK - VISIT EXHIBITORS -** **Refreshments in the Exhibition Hall**
3:00 – 3:30	Historical Perspective on Food Safety – **Betsy Woodward**, Association of Food and Drug Officials
3:30 – 4:15	Identification of New Foodborne Disease Threats by Susceptibility and Molecular Subtype Surveillance - **John Besser**, Minnesota Department of Health
4:15 – 4:50	IM-ECL Detection of *E. coli* 0157:H7 and Confirmation by Plating Bead Captured Cells on Rainbow Agar - **Dr. Gerald Crawford**, United States Department of Agriculture
4:50 – 5:00	Door Prize Drawing - **You must be present to win!**
6:00 – 7:00	**Reception** - Jacaranda Conference Center

Thursday, July 15, 1999

Moderator: Fran Porter, Environmental Administrator, Food Laboratory, FDACS

8:00 - 8:15	**Introduction and Announcements** – **Dr. Joanne Brown,** Chief, Bureau of Food and Residue Laboratories, FDACS
8:15 - 9:00	Risk Assessment on the Public Health Impact of *Vibrio parahaemolyticus* in Raw Molluscan Shellfish - **Dr. Marianne Miliotis**, Food and Drug Administration
9:00 - 9:30	Laboratory Initiatives With the Integrated Food Safety System - **Carl Sciacchitano**, Food and Drug Administration
9:30 - 10:15	**BREAK - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**
10:15 -10:45	DPDx: Using the Internet to Strengthen the Diagnosis of Parasitic Disease - **Dr. Michael J. Arrowood**, Centers for Disease Control and Prevention
10:45 - 11:30	Testing the Efficacy of Sanitizers for Killing Bacterial Pathogens on Fresh Produce - **Dr. Larry Beuchat**, University of Georgia
11:30 - 11:45	Door Prize Drawing - **You must be present to win!**
11:45 - 1:00	**Lunch** (on your own)

Moderator: Dr. Joanne Brown, Chief, Bureau of Food & Residue Laboratories, FDACS

1:00 - 1:20	A Typhoid Outbreak in Florida! - **Dr. Steven Wiersma**, Florida Department of Health
1:20 - 1:40	The Evolution of An Outbreak: Typhoid Fever in Miami-Dade County - **Dr. Roberta Hammond**, Florida Department of Health
1:40 - 2:00	The Laboratory Analyzes Samples - **Ms. Grace Hall**, Chemist Administrator, Food Laboratory, FDACS
2:00 – 2:20	FDA Traceback - *Salmonella typhi* in Frozen Mamey - **Ernest Clausnitzer**, U. S. Food & Drug Administration, Tampa
2:20 - 2:50	**Panel Discussion on Typhoid Outbreak**
2:50 - 3:00	Door Prize Drawing - **You must be present to win!**

3:00-3:30 **BREAK - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**

3:30-5:00 **Exhibitors' Presentations/Poster Session** - Jacaranda Conference Center
(An additional Door Prize drawing will be held at this time. You must be present to win!)

Poster Session

Jacaranda Conference Center
Posters open from 3:00-5:00
Presenter(s) at poster from 3:30-5:00

P1 A Portable Evanescent Wave Fiber Optic Biosensor for the Rapid Detection of *Escherichia coli 0157:H7* in Ground Beef - **Daniel R. DeMarco** and **Daniel V. Lim**, Department of Biology, University of South Florida, 4202 E. Fowler Ave., SCA 110, Tampa, FL 33620, (813) 974-5175 (DeMarco), (813) 974-1618 (Lim) ddemarco@chuma.cas.usf.edu, lim@chuma1.cas.usf.edu

P2 The Florida Public Health Laboratory Surveillance Program for Norwalk Virus - **Christoper L. Webb, Jennifer Chiprich**, Deno Kazanis, Ph.D., and Lillian M. Stark, Ph.D., Florida Department of Health, Bureau of Laboratories-Tampa, 3952 W. Dr. M. L. King Jr. Blvd., Tampa, FL 33614-8404, Lillian_Stark@doh.state.fl.us (813) 871-7465, Fax (813) 871-7468

P3 Enhancing Microbiological Safety of Fresh Orange Juice by Fruit Immersion in Hot Water and Chemical Sanitizers - **S. Pao and C. L. Davis**, Florida Department of Citrus, 700 Experiment Station Rd., Lake Alfred, FL 33850-2299, (941) 295-5937, Fax (941) 295-5919, spao@fdocsr.mail2.wise.net

P4 Use of Antibiotic Resistance Patterns to Discriminate Between Sources of Fecal Coliform Bacteria in Surface Waters of Northeast Florida - **V. Wagner** and **Valerie Harwood**, Department of Biology, SCA 1100, University of South Florida, 4202 E. Fowler Ave., Tampa, FL 33620-5550, (813) 974-1524, Fax (813) 974-3263, vharwood@chuma1.cas.usf.edu

P5 Ultra High Pressure Effects on *Cryptosporidium parvum* Infectivity - **Therse Slifko** and **Joan Rose**, Department of Marine Science, University of South Florida, 140 7th Ave. S., St. Pete, FL 33701 (727) 553-3946, Fax (727) 553-1189

P6 Isolation of Cryptosporidium from Shellfish and Marine Sediments - **Annabel Montgomery, Debra Huffman, Joan Rose**, Department of Marine Science, University of South Florida, 140 7th Ave. S., St. Pete, FL 33701 (727) 553-3946, Fax (727) 553-1189 dhuffman@marine.usf.edu

Friday, July 16, 1999

Moderator: Grace Hall, Chemist Administrator, Food Laboratory, FDACS

8:00-8:15	**Introduction and Announcements** – **Dr. Joanne Brown,** Chief, Bureau of Food and Residue Laboratories, FDACS
8:15 – 9:00	Establishing Microbiological Criteria for Foods/Risk Assessment - **Spencer Garrett,** National Marine Fisheries Service
9:00 –9:45	Choice of Rapid Methods for Microbiology Testing of Foods - **Meredith Grahn**, Food and Drug Administration
9:45 - 10:15	*Listeria monocytogenes*: Current Analytical Methodologies - **Carl Sciacchitano**, Food and Drug Administration
10:15 – 10:45	**BREAK - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**
10:45 – 11:15	PCR Methods for Detection of Shigella in Sprouts - **Ann Smith**, Food and Drug Administration
11:15 –11:45	Food as a Bioterrorism Weapon – **Major Neal Woollen**, United States Army Veterinary Corps
11:45 – 11:50	Wrap up and Evaluation – **Dr. Joanne Brown**, Chief, Bureau of Food and Residue Laboratories, FDACS
11:50 - 12:00	Door Prize Drawing - **You must be present to win!**

Second Annual Foodborne Pathogen Analysis Conference Adjourns

FUTURE MEETINGS

1999 **AOAC International** - *September 26-30, 1999, Houston, Texas*

2000 **ASM General Meeting** - *May 21-25, 2000, Los Angeles, California*

Florida Foodborne Pathogen Analysis Conference - *July 19-21, 2000*
St. Pete Beach, Florida; Contact - Peggy Melton or Grace Hall
(850) 488-4407

IAMFES Annual Meeting - *August 6-9, 2000, Atlanta, Georgia*

2001 **ASM General Meeting** - *May 20-24, 2001, Orlando, Florida*

Florida Foodborne Pathogen Analysis Conference - *July 18-20, 2001*
St. Pete Beach, Florida; Contact - Peggy Melton or Grace Hall
(850) 488-4407

IAMFES Annual Meeting - *August 5-8, 2001, Minneapolis, Minnesota*

PROGRAM SPEAKERS AND MODERATORS

Arrowood, Dr. Michael J., Centers for Disease Control and Prevention, Division of Parasitic Diseases, 4770 Buford Highway, MSF 13, Atlanta, GA 30341 (770) 488-4421; Fax (770) 488-4253, jma0@cdc.gov

Barrett, Dr. Timothy, Research Microbiologist, Centers for Disease Control and Prevention, 1600 Clifton Rd., MSC03, Atlanta, GA 30333 (404) 639-4185, Fax (404) 639-3333, tjb1@cdc.gov

Besser, John, Microbiology Lab, Minnesota Dept. of Health, 717 Delaware St. S.E., Minneapolis, MN 55414,(612) 676-5251, Fax (612) 676-5514 john.besser@health.state.mn.us

Beuchat, Dr. Larry, Professor, Center for Food Safety and Quality Enhancement University of Georgia, 1109 Experiment St., Griffin, GA 30223-1797 (770) 412-4740; Fax (770) 229-3216, lbeucha@cfsqe.griffin.peachnet.edu

Brodsky, Michael H., General Manager, Silliker Laboratories 2222 S. Sheriden Way, Unit 210, Mississauge, Ontario, Canada L5J 2M4 (905)823-6280; Fax (905)823-7105, mbrodsky@sillikercanada.com

Brown, Dr. Joanne, Chief, Bureau of Food and Residue Laboratories, Florida Dept. of Agriculture & Consumer Services, 3125 Conner Blvd., Tallahassee, FL 32399-1650, (850)488-0670, Fax(850)488-4226, brownjo@doacs.state.fl.us

Ernest Clausnitzer, U. S. Food and Drug Administration, Tampa Florida Resident Post, 3350 Buschwood Park Drive, Room 170, Tampa, FL 33618, (813) 228-2671, Fax (813) 228-2483

Crawford, Dr. Gerald, USDA/Eastern Regional Research Center, 600 E. Mermaid Ln., Wyndmoor, PA 19038-8598, (215) 233-6628, Fax (215) 233-6559 cgcrawford@arserrc.gov

Garrett, Spencer, Laboratory Director, National Seafood Inspection Laboratory National Marine Fisheries Service, NOAA, 705 Convent St., Pascagoula, MS 39567, (228) 769-8964, Fax (228) 762-7144, spencer.garrett@noaa.gov

Grahn, Meredith A., Director, Arkansas Regional Laboratory, U.S. FDA/ARL 3900 NCTR Rd., Bldg. 14-T. Rm. 104, Jefferson, AR 72079-9502 (870) 543-7830, Fax (870) 543-7838, mgrahn@ora.fda.gov

Hall, Grace, Chemist Administrator, FL Dept. of Agriculture & Consumer Svcs., 3125 Conner Blvd., Bldg. #9, Tallahassee, FL 32399-1650 (850)488-4407, Fax (850) 487-6573, hallg@doacs.state.fl.us

Hammond, Dr. Roberta, Biological Administrator, Dept. of Health, Environmental Epidemiology, 2020 Capital Cr. S.E., Bin A08, Tallahassee, FL 32399-1712 (850)414-0164, Fax (850) 922-8473, roberta_hammond@doh.state.fl.us

Miliotis, Dr. Marianne, Food and Drug Administration, 200 C Street S. W., Washington, DC 20204, (202) 205-4824, Fax (202) 205-4939 mmilioti@bangate.fda.gov

Porter, Fran C., Environmental Administrator, FL Dept. of Agriculture & Consumer Services, 3125 Conner Blvd., Bldg. #9, Tallahassee, FL 32399-1650 (850) 488-4407, Fax (850) 487-6573, porterf@doacs.state.fl.us

Sciacchitano, Carl J., Microbiologist, FDA/DFS, 5600 Fishers Lane, Rm. 12-41, Rockville, MD 20857, (301) 827-1028, Fax (301) 443-6388 csciacc1@ora.fda.gov

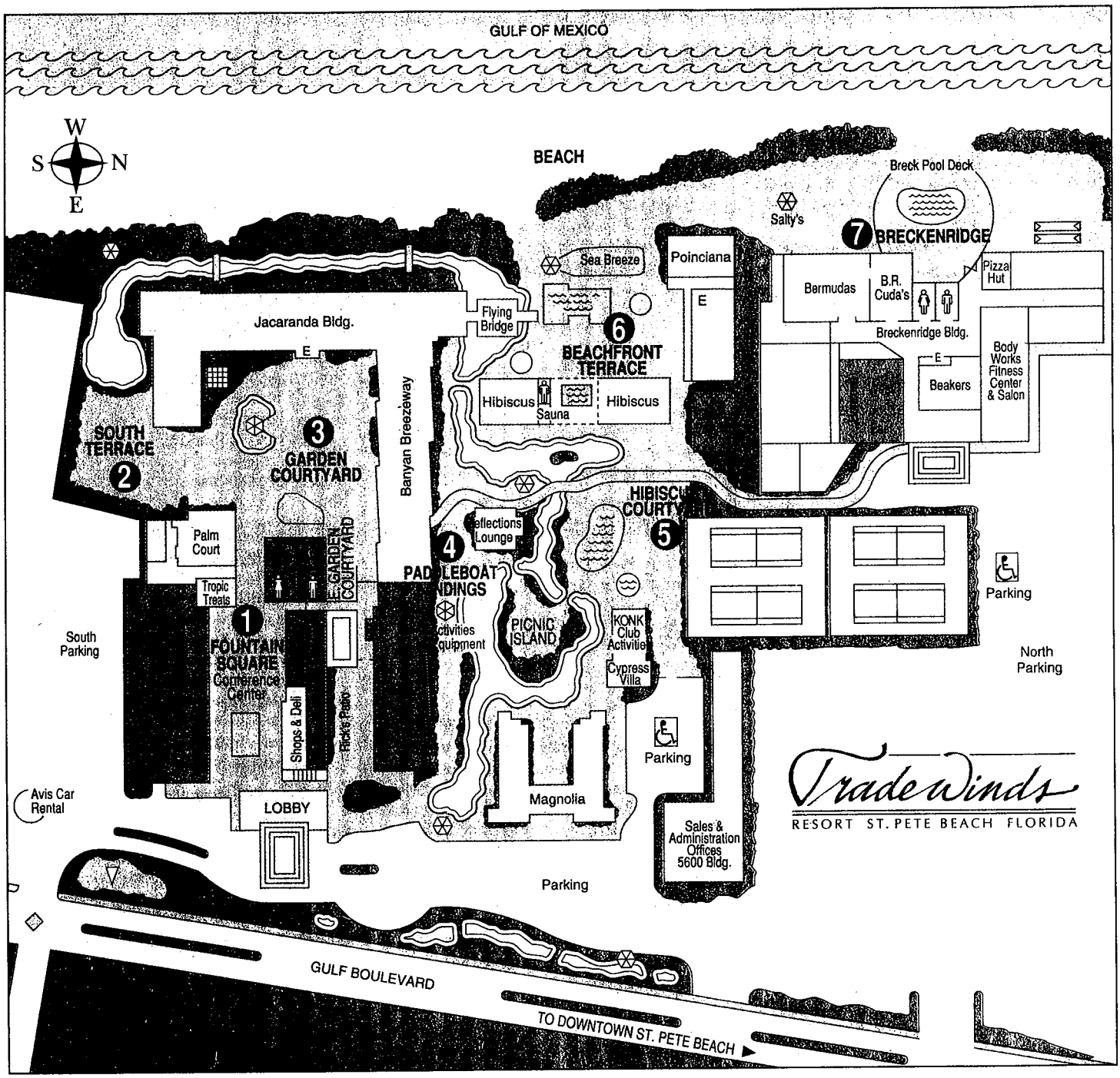
Smith, Ann M., Microbiologist, FDA, Southeast Regional Lab, 60 8th St., Atlanta, GA 30309, (404)253-1200, ext. 5212, Fax (404) 253-1210 asmith1@ora.fda.gov

Wiersma, Dr. Steven, Deputy State Epidemiologist, Dept. of Health, Bureau of Epidemiology, 2020 Capital Circle SE, Bin #A-12, Bldg. 6 Rm. 337, Tallahassee, FL 32399, (850) 488-2905, Fax (850) 922-9299 steven_wiersma@doh.state.fl.us

Woodward, Betsy, Association of Food and Drug Officials (AFDO), 1238 Sedgefield Rd., Tallahassee, FL 32311, (850)878-7440, Fax (850)878-1763 betsy_woodward@hotmail.com

Woollen, Major Neal E., Veterinary Microbiologist, U.S. Army Medical Research Institute of Infectious Diseases, CDR, USAMRIID, ATTN: MCMR-UID-F, 1425 Porter St., Ft. Detrick, MD 21702-5011, (301)619-4734/7193, Fax (301) 619-2492, nwoollen@detrick.army.mil

TradeWinds Property Map



AREAS

TradeWinds is divided into seven main areas to help you "navigate" throughout our 18 tropical beachfront acres. Most meeting rooms are located around Fountain Square.

Fountain Square 1
South Terrace 2
Garden Courtyard 3
Paddleboat Landings 4
Hibiscus Courtyard 5
Beachfront Terrace 6
Breckenridge 7

DINING, SHOPS, ETC.

Tropic Treats Ice Cream 1
Deli 1
Trader Rick's General Store 1
Palm Court Italian Bistro 2
Reflections Piano Bar 4
Flying Bridge Beach Bar 6
Bermudas Restaurant 7
Pizza Hut 7
B.R.Cuda's Lounge 7
Salty's Beach Bar 7
Beaker's Tropical Outfitters 7

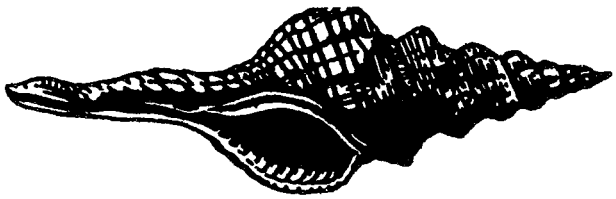
RECREATION

Putting Green, Chess 2
Paddleboats, Gondolas 4
Tennis Courts 5
KONK Club Activities Center 5
Sauna, Whirlpools 6
Body Works Salon 7
One-on-One Fitness Center 7
Swimming Pools (covered, 6) 5,6,7
Cabanas, Water Sports . . . . . Beach
Golf Privileges . . . . . Offsite
Deep Sea Fishing . . . . . Offsite

FPRW '99

36th
PESTICIDE RESIDUE WORKSHOP

Sunday - Wednesday
July 11 - 14, 1999



TradeWinds
ON ST. PETERSBURG BEACH • FLORIDA

SUMMARY OF EVENTS

Sunday Afternoon, July 11, 1999

6:00 - 8:00 REGISTRATION in the Pavilion
6:00 SET UP EXHIBITS in the Jacaranda Conference Center
7:00 AUDIO-VISUAL SET UP in the Island Ballroom

Monday, July 12, 1999

7:30 - 8:30 REGISTRATION in the Pavilion
8:30 - 4:50 TECHNICAL PROGRAM in the Island Ballroom
5:00 - 5:30 SOUTHERN STATES CHECK SAMPLE MEETING
6:30 - 8:30 RECEPTION in the Banyan Breezeway

Tuesday, July 13, 1999

6:30 - 7:30 MILE RUN/WALK ON THE BEACH
7:30 - 8:30 REGISTRATION in the Pavilion
8:30 - 3:10 LC/MS SPECIAL SESSION in the Island Ballroom
3:10 - 5:00 POSTER SESSION in the Jacaranda Conference Center
5:30 - VOLLEYBALL GAMES ON THE BEACH
6:00 - 8:00 LC/MS VENDORS SYMPOSIUM in the Island Ballroom

Wednesday, July 14, 1999

8:30 - 11:35 TECHNICAL SESSION in the Island Ballroom

Exhibits Open:

Monday and Tuesday
7:00 a.m. to 5:00 p.m.

Please note: **Door prizes will be drawn at the end of each morning and afternoon session. You must be ON TIME at the beginning of each session to receive a ticket. You must be PRESENT AT THE DRAWING TO WIN.**

Tuesday, July 13, 1998

Poster Session

Jacaranda Conference Center
Open All Day - Presenter at posters from 3:30 to 5:00 p.m.

P1 Chiral Analysis of Pesticides - **Dr. Gary W. Yanik,** PDR, Chiral, Inc.

P2 Evaluation of On Column Capillary Inlet for Analysis of Pesticide Residues in Tissues - **Dr. David Klein**, Texas Parks and Wildlife

P3 Multiresidue Analysis of Pesticides in Vegetables and Fruits Using Super-Absorbent Polymers - **Dr. H. Obana,** K. Akutsu, M. Okihashi, S. Kakimoto, and S. Hori, Osaka Prefectural Institute of Public Health

P4 Multiresidue Method for Soybean Using SFE/SPE - **Joseph Barney**, USDA, GIPSA

P5 Can a Temperature Programmable Pre-separation column in the GC Inlet Replace a Solvent Intensive Clean-up of Composite Food Samples? - **Laura Rosenblum**, U.S. EPA

P6 Large Volume Injection GC/MS Pesticide Analysis with a Novel Injector Liner - **Marc Engel**, Florida Department of Agriculture and Consumer Services (FDACS)

P7 Pesticide Detection Using an FPD PLUS On-Column Large Volume Injection - **Rollen J. Anderson**, Thermoquest Corporation

P8 Use of A.S.E. for the Analysis of Chemical Residue in Soil, Animal Tissue, and Plant Matricess - **Brian Thompson**, Dionex Corporation

P9 25 Years of Atrazine and Simazine Soil Residue Analysis in Kentucky: Methods and Results - **Dr. Alan P. Thio**, David E. Lichtenberg, and Danna C. Reid, University of Kentucky

P10 Analysis of Residual Pesticides in Foods by Negative Chemical Ionization - **Charles Lyle**, Shimadzu Scientific Instrument

P11 Retention Time Locking: A Simple and Robust Way to Improve Compound Identification - **C. Kai Meng**, Hewlett Packard Company

P12 Determination of Acrinathrin Residues in Honey and Beeswax - **Dr. Maria Szerletics Turi**, Hungary National Center for Public Health

P13 Analytical Method for the Determination of Coumaphos and Coumaphos - PO Analog Residues in Bee Honey by LC/MS/MS - **Rolando Perez**, ADPEN Laboratories, Inc.

P14 New Fast GC Columns - Reduce Analysis Times - **Larry Ballard**, SGE Incorporated

P15 Florida Pesticide Residue Monitoring Program - **W. George Fong**, Chemical Residue Laboratory, FDACS

P16 Handouts of Data on the Analysis of Toxaphene in Fish Using the Individual Congener Standards - **Lavon Revells**, U.S. EPA

P17 Does Chemical Ionization have a Future in the Environmental Laboratory? - **Michael Burke**, Perkin Elmer

P18 A New Approach for Highly Complex Organic Analyses Using Simultaneous Selected Ion and Full Ion Scanning - **Michael Burke**, Perkin Elmer

P19 Collection and Determination of Pesticide Drift 5 Miles Downwind Following Aerial Application of Fenthion for Adult Mosquito Control. - **H. Zhong, J. C. Dukes, M. Greer, and P. Hester**, PHEREC/Florida A & M University

P20 Trace Level Quantitation of Cyhalofop-butyl Metabolites Using LC/MS and LC/MS/MS - **L. T. Yeh, E. L. Olberding, D. O. Foster, M. W. Harris, and P. O. Duebelbeis**, Dow Agro Science

Technical Program

Monday Morning, July 12, 1999

7:30 - 8:30		REGISTRATION - Pavilion EXHIBITS - Open all day (7:00 a.m. - 5:00 p.m.) COFFEE - In the Exhibition Hall
8:30 - 8:40		*Announcements - **George Fong**, Chemical Residue Laboratory, Florida Department of Agriculture and Consumer Services (FDACS)*
1.	8:40 - 8:50	*Welcome - **Dr. Joanne Brown**, Chief, Bureau of Food and Residue Laboratories, FDACS*
2.	8:50 - 9:10	Keynote - Challenges Facing State Pesticide Residue Regulators - **Dr. Marion Fuller**, Director, Division of Food Safety, FDACS
3.	9:10- 9:40	Food Quality Protection Act: Status of Implementation - **Claire M. Gesalman**, U.S. EPA
4.	9:40 - 10:00	EPA's Use of FDA and USDA/PDP Monitoring Data in the Azinphos-methyl Acute Dietary Risk Assessment - **Michael S. Metzger**, U.S. EPA
	10:00 - 10:45	**Break - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**
5.	10:45 - 11:05	The Carbamate Market Basket Survey, An Industry Initiative - **Dr. Angela S. Klemens**, DuPont Agricultural Products
5.	11:05- 11:25	The Ever Increasing Challenges for a Residue Laboratory. An Industry Perspective - **Dr. Harry Leichtweis**, General Mills
7.	11:25 - 11:45	Isotachophoresis In Trace Analysis of Organics in Pollutants - **Dr. Francis I. Onuska**, National Water Research Institute, Canada
8.	11:45 - 12:00	Immunoassay Methods for Pesticide Residues in Foods - **Dr. Jeannette Van Emon**, EPA Research Laboratory
9.	12:00 - 12:05	History of FPRW - **George Fong**, FDACS
	12:00 - 12:20	Door Prize Drawing - **You must be present to win!**
	12:20 - 1:30	**Lunch** (on your own)

Monday Afternoon, July 12, 1999

Moderator: Dr. Joanne Brown, Chief, Bureau of Food and Residue Laboratories

10.	1:30 - 1:50	Improved Separation of Chlorinated Pesticides and Herbicides Through the Scientific Design of Stationary Phase for Gas Chromatographic Analysis - **Frank Dorman**, Restek Corp
11.	1:50 - 2:10	Analysis of Pesticide Residues with Simultaneous GC/MS and GC/MS/MS - **Dr. Carl Feigel**, Thermoquest
12.	2:10 - 2:25	Application of GC/MS/MS to Residue Analysis - **Dr. David Klein**, Texas Parks and Wildlife
13.	2:25 - 2:45	Preparation of Performance Evaluation Samples for Pesticides - **Terry Jackson and Joe Palecek**, California Department of Food and Agriculture
	2:45 - 3:30	**Break - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**
14.	3:30- 3:50	Future Challenges for Florida's Pesticide Laboratory: A Regulatory Perspective - **Mike Page**, Pesticide Laboratory, FDACS
15.	3:50 - 4:05	South Carolina Report: Pesticide Residue Activities - **Sherry Garris and Charles Douglas**, South Carolina Department of Agriculture
16.	4:05 - 4:25	Mississippi State Report/Malathion Monitoring in 1998 - **Reba Ingram**, Mississippi State Chemical Laboratory
17.	4:25 - 4:40	New Technologies at Centre Analytical Labs and Their Impacts on Sample Cleanup - **Dr. Bibo Xu**, Centre Analytical Labs, State College, PA
	4:40 - 5:00	Door Prize Drawing - **You must be present to win!**
	5:00 - 5:30	Southern States Check Sample Meeting
	6:30 - 8:30	**Reception Honoring George Fong - Sponsored by the TradeWinds Resort Banyan Breezeway**

Tuesday Morning, July 13, 1999

Mile Run/Walk on the Beach

6:30	Runners/Walkers assemble and sign-up on the beach by the TradeWinds
6:40	Instruction by the Referee
6:45	Run/Walk Start
7:30	Run/Walk Ends

7:30 - 8:30 **REGISTRATION - Pavilion**
EXHIBITS - Open all day (7:00 - 5:00)
Early Morning Coffee in the Exhibition Hall

LC/MS Special Session

Moderator: *Marc Engel, Chemist Administrator, GC/MS Section, Chemical Residue Laboratory, FDACS*

18.	8:30 - 9:15	Instrumental Options for LC/MS - **Dr. John Toth**, University of Florida
19.	9:15 - 9:45	LC/MS for Pesticides Residue Analysis-Which Technique Works Best? - **Dr. Richard Browner**, Georgia Institute of Technology
20.	9:45 - 10:15	Solvents and LC/MS - **Dr. Christine Miller**, Hewlett Packard
	10:15 - 11:00	**Break - VISIT EXHIBITORS - Refreshments in the Exhibition Hall**
21.	11:00 - 11:30	Techniques for Pesticide Residue Analysis Using Liquid Chromatography and Mass Spectrometry - **Dr. James J. Stry**, Dupont Agricultural Products
22.	11:30 - 11:50	Atmospheric Pressure Ionization Time-Of-Flight LC/MS - **Jeff Finch**, PE Biosystems
23.	11:50 - 12:10	Comparison of Trace Level Quantitation by Ion Trap LC/MS and Single Quadrupole LC/MS - **Li-Tain Yeh**, Dow Agro Science
	12:10 - 12:25	**Door Prize Drawing - you must be present to win!**
	12:25 - 1:30	**Lunch** (on your own)

Tuesday Afternoon, July 13, 1999

Moderator: Pat Beckett, Environmental Manager, QA/QC Section, Chemical Residue Laboratory, FDACS

24.	1:30 - 1:50	Herbicide Determination by Micro LC Coupled to ESI/MS/MS - **Drs. William Holmes and Bert Lynn, Jr.**, Mississippi State Chemical Laboratory
25.	1:50 - 2:10	Needles in Haystacks; The Analysis of Carbamates in Food - **Lou Sartori**, Waters Corporation
26.	2:10 - 2:30	Decline of Guthion Residue in Apples During Commercial Packing Process as Measured by LC/MS/MS - **Ross De Haan**, Bayer Corporation
27.	2:30 - 2:45	Pesticide Residue Data with MAE, ASE, and LC/MS - **Dr. Audrey W. Chen**, FMC Corporation
28.	2:45 - 3:00	Analytical Methodology for the Analysis of Two Oxy-Pyrimidine Metabolites of Diazinon in Urine Using GC/MSD and LC/ESI/MS/MS - **Dr. Robert Yokley**, Novartis Crop Protection, Inc.
	3:00 - 3:10	**Door Prize Drawing - You must be present to win!**
	3:10 - 5:00	**Poster Session with refreshments in the Exhibition Hall** **VISIT POSTERS AND EXHIBITORS** **Vendor Door Prize Drawing** **Exhibition closes after the poster session**
	5:30 p.m. till	**VOLLEY BALL GAMES ON THE BEACH**
	6:00 - 8:00	**LC/MS Vendors Symposium and refreshment break** 20 minute (each) vendor presentations followed by panel discussion. Sponsored by: Finnigan Mat Hewlett Packard Hitachi Instruments PE BioSystems Waters

Wednesday Morning, July 14, 1999

Moderator: Joanne Cook, Chemist Administrator, GC Section

29.	8:30 - 8:50	Food Safety Initiative - **Curtis Edwards**, FDA, South Regional Laboratory
30.	8:50 - 9:10	Using the GC/MS Screener for the Confirmation of Pesticide Residues in Complex Matrices - **Dr. C. Kai Meng**, Hewlett Packard
31.	9:10 - 9:35	Implementation of EU QC Requirements in the Routine Pesticide Analysis using Multiresidue Methods, **Dr. André de Kok**, Inspectorate for Health Protection, The Netherlands
	9:35 - 10:15	**Break**
32.	10:15 - 10::35	Large Volume Injection GC/MS Pesticide Residue Analysis with a New Novel Injection Liner - **Marc Engel**, FDACS, and Greg O'Neil, Apex
33.	10:35 - 10:50	High Speed Analysis of Chlorinated Pesticides - **Andy Rodriquez**, Teckmar-Dohrman
34.	10:50 - 11:05	Fast Analysis of Pesticides Using Flash Temperature Programming in Conventional Gas Chromatographs - **Karen LeBlanc**, Thermedics Detection, Inc.
35.	11:05 - 11:25	Instrument Interfacing... Do's, Don'ts, and Watchout! - **Raj Dholakia**, General Mills
	11:25 - 11:35	**Door Prize Drawing - You must be present to win!**

36th Annual Pesticide Residue Workshop Adjourns

FUTURE MEETINGS

2000 **California Pesticide Residue Workshop** - *March 25-30, 2000*
Yosemite, California, USA Contact: Dr. Mark Lee (916) 262-1434

3rd European Pesticide Residue Conference - *July 3 - 5, 2000, York, United Kingdom*

Florida Pesticide Residue Workshop, FPRW 2000 - *July 16 - 19, 2000*
St. Pete Beach, Florida, USA Contact: Gail Parker, Pat Beckett or Joanne Cook (850) 488-9670

2001 **Florida Pesticide Residue Workshop, FPRW 2001** - *July 15 - 18, 2001*
St. Pete Beach, Florida, USA Contact: Gail Parker, Pat Beckett or Joanne Cook (850) 488-9670

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