33rd ANNUAL

PESTICIDE RESIDUE WORKSHOP

JULY 28 - 31, 1996 ST. PETE BEACH, FLORIDA



TradeWinds

ON ST. PETERSBURG BEACH • FLORIDA

WELCOME TO THE 33rd ANNUAL PESTICIDE RESIDUE WORKSHOP
WE APPRECIATE YOUR PARTICIPATION AND SUPPORT

Residue analysts are facing the challenge of detecting more chemicals at lower concentrations, documentation/accountability, minimizing hazards in the laboratory and funding reductions. We hope the 33rd Annual Meeting contains a program of many great technical presentations and will again provide an excellent opportunity for sharing knowledge, interest and problems as in the past.

This year we've added a Mile-Run/Walk on the beach in addition to the Volleyball Game. We hope many will participate in this year's Mile Run/Walk. The TradeWinds will again provide a fabulous reception Monday evening. It seems like the TradeWinds continues to outdo the receptions of the previous years. Enjoy the facilities at the TradeWinds and let me or their staff know if we can be of any assistance to you.

Sincerely,

BOB CRAWFORD
COMMISSIONER OF AGRICULTURE



W. George Fong
Environmental Administrator

We appreciate the continuous interest and support by the exhibitors. Please be sure to visit the exhibitors and discuss your interest(s) and needs with them during the breaks and any other time.

EXHIBITORS

3M Company	Robert Fitzgerald / Susan Price
Analytical Research Systems (ARS)	Ara Manukian / Rudy Strohschein
Apex Technologies, Inc.	Lindsey Pyron
Dionex Corporation	Brian Thompson / Karl Kastner / Bob Moye
Doe & Ingalls of Florida	James Fell
Finnigan Mat	Randy Porch / David Kusel / Meredith Conoley / Jim Edwards
Fisher Scientific	Rodney Crosby
Hewlett Packard Company	Tom Stocks
Hitachi Instruments, Inc.	Lee Oldeen
O. I. Analytical	Tom McGinity
Ohmicron	Dave Nardone / Dave Deardorff
Pickering Laboratories	Mark Tracy
Sci-Con	James Westmoreland
SGE, Inc.	Ken Mahler / Larry Ballard
Shimadzu Scientific Instruments	Ken Jones
Southern Testing & Research Labs, Inc.	Mark Hathaway / David Winslow
Sunshine Instruments	Mickey McAllister
Supelco	Lydia Nolan
Suprex Corporation	Scott Crane
Tekmar - Dohrmann	Pete Vega
Varian Sample Preparation Products	Andy Sendelbach / Mark Boggeri
Varian Instruments	Gary Cook
Whatman, Inc	Elaine Heilweil / Linda Schwartz
Zymark Corporation	John Holdren

State of Florida
Department of Agriculture & Consumer Services

BOB CRAWFORD
COMMISSIONER OF AGRICULTURE

33rd Annual Pesticide Residue Workshop

July 28 - 31, 1996
St. Petersburg Beach, Florida

Sunday / July 28, 1996 / Afternoon

4:00 - 6:00	**REGISTRATION**
4:00 - 6:00 p.m.	Exhibition Area Available for Setting-up Exhibits

Meetings and Exhibits are to be held in ISLAND BALLROOMS

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 and BE PRESENT AT THE DRAWING TO WIN.

Monday / July 29, 1996 / Morning

	7:30 - 8:30	**REGISTRATION** **Coffee in Exhibition Area**
	8:30 - 9:00	***Welcome*** Introduction and Announcements - **George Fong**
1	9:00 - 10:00	***Keynote*** - Trends in Pesticide Issues - **Dr. Robert Epstein**
2	10:00 - 10:30	***Special Speaker*** Status of N.A.F.T.A. - Harmonization of Pesticide Issues - **Daniel Botts**
	10:30- 11:15	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
3	11:15 - 11:35	How EPA Conducts Acute Dietary Exposure Assessments - **Susan V. Hummel**
4	11:35 - 11:55	Pesticide Information Management in a Large Food Company - **Rajeev Dholakia, Mike Baim and Harry Leichtweis**
	11:55 - 12:05	**Door Prize Drawing (must be present to win)**
	12:05 - 1:30	**Lunch (on your own)**

Monday / July 29, 1996 / Afternoon

5	1:30 - 1:45	Residue Analysis in the IR-4 Southern Regional Labs - An Overview - **Dr. Jou W. Yoh**
6	1:45 - 2:00	South Carolina Report: Pesticide Residue Activities - **Sherry Garris**
7	2:00 - 2:15	Mississippi State Report - **Reba L. Ingram**
8	2:15 - 2:30	Georgia State Report: Against the Backdrop of the Olympics - **Michael R. Curry**
9	2:30 - 2:50	Louisiana State Report and Slide Tour of the New Agricultural Chemistry Laboratory - **Kathy Fields**
	2:50 - 3:15	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
10	3:15 - 3:35	The Increased Importance of Confirmatory Analysis - **Dr. Sidney S. Goldberg**
11	3:35 - 3:55	Validation of a Method for Organochlorine Pesticides in Bicta - **Tom French** and **Kelly Siebert**
12	3:55 - 4:15	Analysis of Coastal Florida Contaminates from Marine Samples Using a High Vacuum Manifold - **Nancy J. Szabo**
	4:15 - 4:30	**Door Prize Drawing (must be present to win)**

5:30	**Poster Session Open**
6:30 - 7:30	**GET ACQUAINTED RECEPTION - Courtesy of TradeWinds Resort Hotel**

Poster Session Papers

P1 Laboratory Safety: Cleaning Up Chemical Spills - **Amy Sinelli**

P2 Implementing USDA-PDP Milk Sampling and Analysis in Florida - **Amy Sinelli** and **Tony Trama**

P3 Quantitative Determination of Triclopyr by a Magnetic Particle-Based Immunoassay - **Timothy S. Lawruk**

P4 Ethylene-Thiourea in Processed Fruits and Vegetables by Liquid Chromatography - **Jennifer Selwyn**

P5 EPA and FDA Approaches For The Evaluation of Pesticide and Drug Residues in Food Producing Animals - **Dr. Martin F. Kovacs, Jr.**

P6 Supercritical Fluid Extraction of Multiple Pesticides from Apples - **Robert McIntyre**

P7 Multi Residue Method for Wheat using SFE / SPE - **Joseph Barney**

P8 Evaluation of Automated Solid Phase Extraction of Agrochemical and Industrial Organic Compounds from Drinking Water using US EPA Method 525.2 - **Mark Krigbaum**

P9 Large Volume Injection of Organochlorine Pesticide Extracts Using a Programmable Temperature Vaporizer in the Solvent Split Mode - **Mark Krigbaum**

P10 Using Pulsed Spitless Injection to Improve the Recovery of Labile Pesticides in Gas Chromatography - **Philip L. Wylie** (U.S.A.) and **Katsura Uchiyama** (Japan)

P11 A New GC / MS System for Improved Pesticide Analysis - **Dr. Philip Wylie,** Linda C. Doherty and Patrick D. Perkins

P12 NPD Pesticide Screen Using Internal Standard - **Ed Kitting** and **Joanne Cook**

P13 The Analysis of Nitrogenous Pesticides & Propargite by Large Volume Injection in Mass Spec. - **Marc E. Engel**

P14 The Determination of FOE 5043 Residues by GC / MS - **Dr. Thomas Gould**

P15 Analytical Tandem Mass Spectrometry with a Benchtop GC / MS / MS System for the Analysis of Chlorinated Pesticides - **James Edwards**

P16 Automated Supercritical Fluid Extraction of Termiticides in Soil - **Doug Hite**

Tuesday / July 30, 1996 / Morning

* * * MILE WALK / RUN ON THE BEACH * * *

	6:45	Runners / Walkers Assemble on the Beach behind TradeWinds Resort Hotel
	7:00	Event Starts
	7:30	Event Ends
	8:00 - 8:30	Registration Coffee in Exhibition Area

Joanne Cook - Moderator

13	8:30 - 8:50	California Dept of Food & Agriculture (CDFA) Multi Residue Screen for Pesticides in Fruits and Vegetables: Method and Results - **Dr. Lourminia C. Sen**
14	8:50 - 9:05	Analysis of Prometryn and its Two Dealkylated Thiomethyl Metabolites in Parsley - **Scott C. Wasdo**
15	9:05 - 9:25	Analytical Methods for Determining Residual Carbosulfan and its Major Metabolites in Bovine Milk and Tissues - **Dr. Audrey Chen**
16	9:25 - 9:40	Analysis of Orange Extracts by High Resolution Gas Chromatography for Trace Pesticide Levels on Low Bleed Column Phases - **Jeff Rivera**
17	9:40 - 9:55	A Direct Injection Method for Determination of Trace Level Thiabendazole in Citrus Juice by HPLC - **Dr. Harry Zhong** and **Lisa Ford**
	9:55 - 10:30	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
18	10:30 - 10:50	Determination of Glyphosate and Amino-Methyl Phosphonic Acid (AMPA) in Vegetation by Post-Column Derivitazation - **Michael M. Greenwood,** Cathie B. Ayers, William E. Martindale and Douglas Hite
19	10:50 - 11:10	The Measurement of PCB's in Artificial Reef Organisms and Some New Sampling Techniques for PCB's and Pesticides - **Dr. Thomas D. Mathews**
20	11:10 - 11:25	How to Bump, Set and Spike Your Fish - **David Klein**
21	11:25 - 11:40	Chemical Analysis - "Same Old Song, Different Tune" - **Charles J. Schmidt**
22	11:40 - 12:00	Matrix Induced Peak Enhancement of Pesticides in Gas Chromatograph - Taking a Second Look - **Ronald D. Erney**
23	12:00 - 12:15	Development of Pesticide Disposal Processing Using Peanut Hulls as a Sorbent and Matrix for Microbial Degradation - **Dr. Roderick Young**
	12:15 - 12:30	**Door Prize Drawing (must be present to win)**
	12:30 - 2:00	**Lunch (on your own)**

Tuesday / July 30, 1996 / Afternoon

2:00 - 5:00 Vendors Seminars (Rooms will be announced)

A) **3M** Industrial and Consumer Sector Solid Phase Extraction (SPE) Workshop

B) **Ohmicron** Environmental Diagnostics Immunoassay Workshop

C) **Varian Chromatography Systems** GC/MS/MS for Screening of Agricultural Products for Pesticide Residues

D) **Varian Sample Preparation Products** New Solid Phase Extraction Tools for Residue Analysis for Food Stuffs

5:45 * * * **VOLLEYBALL GAMES** * * *

Wednesday / July 31, 1996 / Morning

	7:30 - 8:00	**Coffee in the Exhibition Hall**
24	8:00 - 8:15	What's New at Beltsville : An Update of EPA's Food Tolerance Validation Program - **Dallas Wright, Jr.**
25	8:15 - 8:30	Multi-Media Multi-Residue Methods for Measuring Occupational and Residential Exposure to Pesticides - **Paul W. Geno**
26	8:30 - 8:50	Screening for More Than 400 Pesticides by GC/AED - **Dr. Philip Wylie** and **Bruce D. Quimby**
27	8:50 - 9:10	Pesticides in the 90's by GC - **Meredith Conoley** and **Jessie Crockett Butler**
28	9:10 - 9:30	Experiences with the OI X S D - Halogen Specific Detector - **Weifeng Wang** and **Joanne Cook**
29	9:30 - 9:50	GC/MS/MS for Screening of Pesticide Residues - **Carl Feigel**
	9:50 - 10:30	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Hall**
30	10:30 - 10:50	Analytical Tandem Mass Spectrometry with a Bench Top GC/MS/MS System for the Analysis of Chlorinated Pesticides - **James Edwards**

31	10:50 - 11:05	Analysis of Fruit & Vegetable Samples by Large Volume Injection Mass Spectroscopy - **Marc E. Engel**
32	11:05 - 11:25	Accelerated Solvent Extraction of Pesticides from Soil and Food Matrices - **Brian Thompson**
33	11:25 - 11:45	Determination of Pyrothiobac Sodium in Soil Using Accelerated Solvent Extraction Followed by LC/UV Analysis support of a Staple Herbicide Small Scale Prospective Groundwater Study - **Sheldon R. Sumpter**
34	11:45 - 12:05	Rapid, Automated Sample Preparation for Pesticide Residue Analysis in High Fat Matrices - **Anita L. Cardamone**
	12:05 - 12:15	**Door Prize Drawing (must be present to win)**
	12:15 - 1:30	**Lunch (on your own)**

Wednesday / July 31, 1996 / Afternoon

George Fong - Moderator

35	1:30 - 1:50	Characterization of Carbon SPE for the Extraction of Pesticides and Herbicides - **Lydia Nolan**
36	1:50 - 2:10	Evaluation of C_{18} Solid Phase Extraction Cartridges for Isolation of Select Pesticides and Metabolites - **Dr. Jeffery M. Novak**
37	2:10 - 2:30	Analysis of Hydrophilic Pesticides in Water by Solid Phase Extraction (SPE) and High Performance Liquid Chromatography (HPLC) - **Charles D. Norris** and **James S. Taylor**
38	2:30 - 2:45	Use of Matrix of Solid Phase Dispersion for the Extraction of Pesticides in Fish Kills - **Patricia S. Gaunt**
39	2:45 - 3:00	Derivatization Reactions Using a Kitchen Microwave Oven - **Dr. Alan P. Thio** and **Milton J. Kornet**
	3:00 - 3:30	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
40	3:30 - 3:50	Microwave Assisted Extraction and SPE Cleanup for Pesticide Determination in Crops - **Harry M. Pylypiw, Jr.**
41	3:50 - 4:10	Microwave Solvent Extraction Techniques for Various Regulatory Compounds - **Todd Kierstead**

*** * * * Main Workshop Adjourns * * * ***

	4:30 - 5:00	Southern States Check Sample Program Meeting - **Gail Parker**

PROGRAM PRESENTERS

AYERS, CATHIE B; TENNESSEE DEPT AGRIC, DIV TECHNICAL SERVICES, NASHVILLE, TN, 37220 **18**

BAIM, MICHAEL; GENERAL MILLS, 9000 PLYMOUTH AVENUE NORTH, MINNEAPOLIS, MN, 55427 **4**

BARNEY, JOSEPH; USDA - GIPSA, 10383 N EXECUTIVE HILLS BLVD, KANSAS CITY, MO, 64153-1394 **P7**

BOTTS, DANIEL; FLORIDA FRUIT AND VEGETABLE, P O BOX 140155, ORLANDO, FL, 32824-0155 **2**

BUTLER, JESSIE C; FINNIGAN MAT, 2215 GRAND AVENUE PARKWAY, AUSTIN, TX, 78728-3218 **27**

CARDAMONE, ANITA; SUPRES CORPORATION, 125 WILLIAM PITT WAY, PITTSBURGH, PA, 15238 **34**

CHEN PhD, AUDREY; FMC CORP, 80 ANNAMORE AVENUE, MORRISVILLE, PA, 19067 **15**

CONOLEY, MEREDITH; FINNIGAN MAT, 2215 GRAND AVENUE PARKWAY, AUSTIN, TX, 78728-3218 **27**

COOK, JOANNE; FLORIDA DEPT AGRIC, 3125 CONNER BLVD, LAB 3, TALLAHASSEE, FL, 32399-1650 **P12 28**

CURRY, MICHAEL R; GEORGIA DEPT AGRIC, P O BOX 1507, TIFTON, GA, 31793 **8**

DHOLAKIA, RAJEEV; GENERAL MILLS, 9000 PLYMOUTH AVENUE NORTH, MINNEAPOLIS, MN, 55427 **4**

EDWARDS, JAMES; FINNIGAN CORPORATION, 2215 GRAND AVENUE PARKWAY, AUSTIN, TX, 78728-3218 **P15 39**

ENGEL, MARC E; FLORIDA DEPT AGRIC,3125 CONNER BLVD LAB 3, TALLAHASSEE, FL, 32399-1650 **P13 31**

EPSTEIN PhD, ROBERT; USDA / AMS, P O BOX 96456, WASHINGTON, DC, 20090 **1**

ERNEY, RONALD D; USFDA, 1560 E JEFFERSON, DETROIT, MI, 48207 **22**

FEIGEL, CARL; VARIAN CHROMATOGRAPHY, 2700 MITCHELL DRIVE, WALNUT CREEK, CA, 94598 **29**

FIELDS, KATHY; LOUISIANA STATE UNIV,118 H D WILSON BLVD, 102 AGRICULTURAL CHEM BLDG, BATON ROUGE, LA, 70803 **9**

FONG, GEORGE; FLORIDA DEPT AGRIC, 3125 CONNER BLVD, LAB 3, TALLAHASSEE, FL, 32399-1650

FORD, LISA; HARBOR BRANCH ENVIRON LAB, 5600 U S 1 NORTH, FT PIERCE, FL, 34946 **17**

FRENCH, TOM; POST BUCKLEY SMITH & JERNIGAN, 6635 EAST COLONIAL DRIVE, ORLANDO, FL, 32807 **11**

GARRIS, SHERRY; S CAROLINA DEPT AGRIC, 1101 WILLIAMS STREET, P O BOX 11280, COLUMBIA, SC, 29211 **6**

GAUNT, PATRICIA S; LSU SCHOOL OF VETERINARY MEDICINE, SOUTH STADIUM DRIVE, BATON ROUGE, LA, 70803 **38**

GENO, PAUL W; SOUTHWEST RESEARCH INSTITUTE, P O DRAWER 28510, SAN ANTONIO, TX, 78228 **25**

GOLDBERG PhD, SIDNEY; DUPONT AGRIC PRODUCTS, P O BOX 80402, WILMINGTON, DE 19880-0402 **10**

GOULD PhD, THOMAS; BAYER CORP, 17745 SOUTH METCALF, STILWELL, KS, 66085 **P14**

GREENWOOD, MICHAEL M; TENNESSEE DEPT AGRIC, DIV TECHNICAL SERVICES, NASHVILLE, TN, 37220 **18**

HITE, DOUGLAS; TENNESSEE DEPT AGRIC, DIV TECH SERVICES, NASHVILLE, TN, 37220 **18 P16**

HUMMEL, SUSAN V; U S E P A, 401 M STREET SW, 7509C, WASHINGTON, DC, 20460 **3**

INGRAM, REBA L; MISSISSIPPI ST CHEM LAB, P O DRAWER CR, MISSISSIPPI STATE, MS, 39762 **7**

KIERSTEAD, TODD; CEM, P O BOX 200, MATTHEWS, NC, 28106-0200 **41**

KITTING, ED; FLORIDA DEPT AGRIC, 3125 CONNER BLVD, LAB 3, TALLAHASSEE, FL, 32399 **P12**

KLEIN, DAVID; TEXAS PARKS & WILDLIFE, P O BOX 947, SAN MARCOS, TX, 78666 **20**

KORNET, MILTON J; UNIV OF KENTUCKY, 103 REG SERVICES BLDG, LEXINGTON, KY, 40546-0275 **39**

KOVACS JR PhD, MARTIN F; TECH ASSESSMENT SYST,1000 POTOMAC ST NW STE 102, WASHINGTON, D C, 20007 **P5**

KRIGBAUM, MARK; TEKMAR-DOHRMANN, 7143 E KEMPER RD, CINCINNATI, OH, 45249 **P 8 P9**

LAWRUK, TIM; OHMICHRON ENVIRONMENTAL DIAGNOSTICS, 375 PHEASANT RUN, NEWTOWN, PA, 18940 **P3**

LEICHTWEIS, HARRY; GENERAL MILLS, 9000 PLYMOUTH AVENUE NORTH, MINNEAPOLIS, MN, 55427 **4**

MARTINDALE, WILLIAM E; TENNESSEE DEPT AGRIC, DIV TECHNICAL SERVICES, NASHVILLE, TN, 37220 **18**

MATHEWS PhD, THOMAS D; SC WILDLIFE & MARINE, P O BOX 12559, CHARLESTON, SC, 29422-2559 **19**

McINTYRE, ROBERT; N CAROLINA DEPT AGRIC, FOOD & DRUG PROTECTION, 4000 REEDY CREEK RD, RALEIGH, NC, 27607 **P6**

NOLAN, LYDIA; SUPELCO INC, SUPELCO PARK, BELLEFONTE, PA, 16823-0048 **35**

NORRIS, CHARLES D; UNIV OF CENTRAL FLORIDA, ENVIRON SYSTEMS ENGINEERING INST, 4000 COBRA CIRCLE, ORLANDO, FL, 32816 **37**

NOVAK, JEFFREY M; USDA-AG RESEARCH, P O BOX 3039, FLORENCE, SC, 29502 **36**

PARKER, GAIL; FLORIDA DEPT AGRICULTURE, 3125 CONNER BLVD, LAB 3, TALLAHASSEE, FL, 32399-1650 **Southern States Check Sample Program**

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QUIMBY, BRUCE D; HEWLETT PACKARD, 2850 CENTERVILLE ROAD, WILMINGTON, DE, 19808-1610 **26**

RIVERA, JEFF; J & W SCIENTIFIC, 91 BLUE RAVINE RD, FOLSOM, CA, 95630-4717 **16**

SCHMIDT, CHARLES J; UNIV OF FLORIDA, P O BOX 116450, GAINESVILLE, FL, 32611 **21**

SEIBERT, KELLY; POST BUCKLEY SMITH & JERNIGAN, 6635 EAST COLONIAL DRIVE, ORLANDO, FL, 32807 **11**

SELWYN, JENNIFER; PEST MANAGEMENT REGULATORY AGENCY, BLDG 22, CENTRAL EXPERIMENT FARM, OTTAWA, ONTARIO, CD, K1A0C6 **P4**

SEN PhD, LOURMINIA C; CALIF FOOD & AGRIC,CENTER ANALYTICAL CHEMISTRY, 3292 MEADOWVIEW RD, SACRAMENTO, CA, 95832 **13**

SINELLI, AMY; FLORIDA DEPT AGRICULTURE, 3125 CONNER BLVD, LAB 3, TALLAHASSEE, FL, 32399-1650 **P1 P2**

SUMPTER, SHELDON; DUPONT AGRIC PRODUCTS, P O BOX 80402, WILMINGTON, DE, 19880-0402 **33**

SZABO, NANCY J; UNIV. OF FLORIDA, FOOD & ENVIRONMENTAL TESTING LAB, GAINESVILLE, FL, 32611 **12**

TAYLOR, JAMES S; UNIV OF CENTRAL FLORIDA, ENVIRON SYSTEMS ENGINEERING INST, 4000 COBRA CIRCLE, ORLANDO, FL, 32816 **37**

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THOMPSON, BRIAN; DIONEX, 1950 LAKE PARK DRIVE STE 175, SMYRNA, GA, 30080 **32**

TRAMA, TONY; FLORIDA DEPT AGRIC, 500 3 STREET NW, WINTER HAVEN, FL, 33881 **P2**

UCHIYAMA, KATSURA; YOKAGAWA ANALYTICAL SYSTEMS, INC., TOKYO, JAPAN **P10**

WANG, WEIFENG; FLORIDA DEPT AGRIC, 3125 CONNER BLVD, TALLAHASSEE, FL, 32399 **28**

WASDO, SCOTT C; UNIV OF FLORIDA, FOOD & ENVIRONMENTAL TOXICOLOGY, SW 23 DRIVE, GAINESVILLE, FL, 32611-0720 **14**

WRIGHT, DALLAS; E P A, CHEMISTRY LAB, BLDG 306, RM 121, BARC-EAST, BELTSVILLE, MD 20705 **24**

WYLIE PhD, PHILLIP; HEWLETT PACKARD, 2850 CENTERVILLE ROAD, WILMINGTON, DE, 19808-1610 **P10 P11 26**

YOH PhD, JOU W; UNIV OF FLORIDA, FOOD & ENVIRONMENTAL TOXICOLOGY, SW 23 DRIVE, GAINESVILLE, FL, 32611-0720 **5**

YOUNG PhD, R. W.; VIRGINIA POLYTECHNIC INSTITUTE & UNIV, 352 LITTON REAVES HALL, VIRGINIA TECH, BLACKSBURG, VA, 24061-0309 **23**

ZHONG, HARRY; HARBOR BRANCH OCEANOGRAPHIC, 5600 US 1 NORTH, FT PIERCE, FL, 34946 **17**

FUTURE MEETINGS

1997 **California Pesticide Residue Workshop** - March 3-6, 1997
Contact: Dr. Dianne Bennett, (916) 262-2384

Florida Pesticide Residue Workshop - July 13-16, 1997
TradeWinds Resort, St. Pete Beach, Fl
Contact: George Fong (904) 488-9670

1998 **2nd European Pesticide Residue Workshop** - May 25-27, 1998
Almeria, Spain; Contact: Dr. Antonio Valverde,Departmento de Química, Facultad De Ciencias Experimentales, Universidad de Almería, 04071 Almería (SPAIN) Phone: +34 50 215309 Fax: +34 50 215070

Florida Pesticide Residue Workshop - July 19-22, 1998
TradeWinds Resort, St. Pete Beach, Fl
Contact: George Fong (904) 488-9670

1999 **Florida Pesticide Residue Workshop** - July 18-21, 1999
TradeWinds Resort, St. Pete Beach, Fl
Contact: George Fong (904) 488-9670