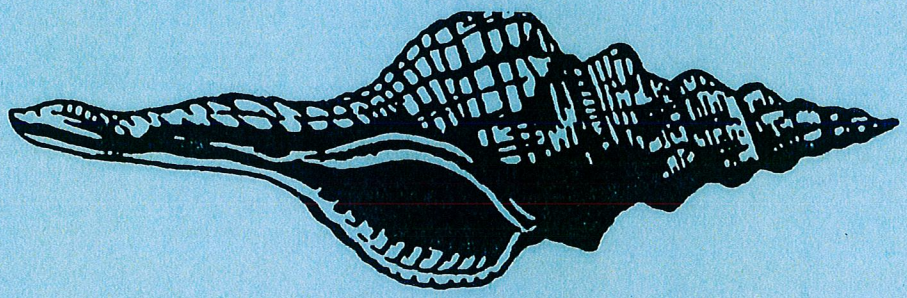
32nd ANNUAL PESTICIDE RESIDUE WORKSHOP

JULY 16-19, 1995 ST. PETE BEACH, FLORIDA



TradeWinds

ON ST. PETERSBURG BEACH • FLORIDA

WELCOME TO THE 32nd 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 32nd 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 added a Mile-Run on the beach in addition to the Volley Ball Game. We hope many will participate in this First Annual Run. The TradeWinds will again provide a fabulous reception Monday evening. It seems like the TradeWinds is outdoing the receptions of the previous years. Enjoy the facilities at the TradeWinds and let me or their staff know if we can be 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

Analytical Research System (Formerly Southern Scientific, Inc.)	Ara Manukian/Rudy Strohschein
Dionex Corporation	Karl Kastner/Bob Joyce
Doe and Ingalls of Florida	James Fell
Dynatech Precision Sampling	D. Kirk Holladay
Finnigan Mat	Randy Porch
Hewlett Packard Company	Tom Stocks/Jeff Downing/Chip Townsand
Hitachi Instrument, Inc.	Charles Haws/Lee Oldeen
J. T. Baker	Bill West
Medallion Laboratories	Jonathan Devries
Ohmicron	Dave Nardone/Dave Deardorff/Jeanne Itak
O. I. Analytical	Tom McGinity
Perkin Elmer Corporation	Bob Riggs/Rick Cone/Jim Wagner Dave Skiados/Cathy Rhea
Sci-Con	James Westmoreland
SGE, Incorporated	L. Ballard
Shimadzu Scientific Instrument	Ken Jones
Southern Testing & Research Laboratories	Kim Baughman/Mark Hathaway
Supelco, Incorporated	Ray Mindrup
Suprex Corporation	Scott Elkins
Tekmar Company	Pete Vega/Tammy Riga
Varian	Gary Cook
Zymark Corporation	Mark Cava

State of Florida
Department of Agriculture & Consumer Services

BOB CRAWFORD
COMMISSIONER of AGRICULTURE

32nd Annual Pesticide Residue Workshop

July 16-19, 1995
St. Petersburg Beach, Florida

Sunday / July 16, 1995 / Afternoon

4:00 - 6:00 REGISTRATION
4:00 p.m. on Exhibition Hall Available for Setting-up of 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 17, 1995 / Morning

	7:30 - 8:30	**REGISTRATION**
	8:30 - 9:00	Welcome Introduction and Announcements - **George Fong**
1	9:00 - 10:00	Keynote Unexplored Extraction and Separation Areas in Pesticide Analytical Chemistry - **Dr. Anson Moye**
2	10:00 - 10:30	1995 Update - Pesticide Data Program - **Dr. Robert Epstein**
	10:30 - 11:15	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
3	11:15 - 11:35	The GDLN 171-4(j) Feeding Study Requirement and 40CFR 180.6(a)(3) Feeding Study Exemption: A Reviewer's Perspective - **David Miller**
4	11:30 - 11:55	Pesticides in Wine: An ATF Perspective - **Jeffrey N. Leibowitz**
	11:55 - 12:05	**Door Prize Drawing (must be present to win)**

	12:05 - 1:30	**Lunch (on your own)**

Monday / July 17, 1995 / Afternoon

5	1:30 - 1:50	Immunoassay Screening for Carbendazim and Thiabendazole in Fresh Fruits and Vegetables - **Michael G. Legendre,** Joseph H. Ford, Lynda L. Baker and John B. Gallagher
6	1:50 - 2:10	Analytical Aspects of Spray Drift Studies - **Dr. Sidney S. Goldberg**
	2:10 - 3:00	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
7	3:00 - 3:20	Validation of a Handwipe Procedure for the Measurement of Dermal Exposure to Pesticides - **Dr. Paul W. Geno**
8	3:20 - 3:40	Systematic Approach to Multiresidue Methods Validation - **Dr. Jonathan W. Devries**
9	3:40 - 4:00	Evaluation, Validation and Practical Application of GC-ITD (Varian Saturn) for Routine Pesticide Residue Analysis in Fruits and Vegetables - **Dr. Andre deKok**
	4:00 - 4:10	**Door Prize Drawing (must be present to win)**
	5:00 - 6:30	Poster Session

6:30 - 7:30 **Get Acquainted Reception - Courtesy of TradeWinds Resort Hotel**

Poster Session Papers

P1 Pesticide Data Program Sampling Audit - **Amy C. Sinelli**

P2 Analysis of Pesticides in Water Using Automated Solid Phase Extraction and HPLC with Diode Array Detection - **Christopher L. Ritland**, Sharryn Cohen and Christopher J. Mason

P3 An Immunoassay for Methomyl in Water and Dislodgeable Residues on Grape Leaves - **Jeanne A. Itak**

P4 Gas Liquid Chromatographic Determination of Acephate in Technical Materials and Soluble Powder Formulations: Report of a Collaborative Study - **Dr. Martin F. Kovacs, Jr.**

P5 Determination of Bezimidazole Fungicides in Crop Samples: by Automated SPE and HPLC-UV - **Dr. Andre deKok**

P6 US Food and Drug Administration/State of Florida Partnership Agreement - **W. George Fong, Sander Bellman, Larry Lloyd and Perry Wilks**

P7 Analysis of PCBs and Pesticides in Human Serum by Dual-Column Gas Chromatography with Electron-Capture Detection - **A. R. Najam, M. P. Korver, C.C. Williams and V. W. Burse**

P8 Differential Metabolism of Cloransulam-Methyl as the Basis for Soybean Selectivity - **Gerrit deBoer**

P9 Trace Analysis in Complex Matrices by Methods in Ion Trap Mass Spectrometry - **Dr. William C. Schnute**, Dr. Siu Teng

P10 Carbamate Recovery from Wheat Using SFE/SPE - **Joseph E. Barney**

P11 A Multi-Residue Method for Whole Milk Analysis - **Dr. Dianne Bennett**

P12 Avid Baid Spray For Caribbean Fruit Fly - **Jim King**

P13 Vendex Analysis on Fruits and Vegetables - **Diana Ferguson,** Herman Moya

Tuesday / July 18, 1995 / Morning

***First Annual Mile-Run On The Beach ***

6:45 **Runners Assemble on the Beach by TradeWinds Resort Hotel**
7:00 **Run Starts**
7:30 **Run Ends**

8:00 - 8:30 **Registration**

8:30 - 8:40 **Presentation of Mile-Run Winners**

10 8:40 - 9:00 Rapid Analysis of Pesticides in Environmental Samples Using Solid Phase Micro Extraction and Capillary Columns - **Raymond Mindrup**

11 9:00 - 9:20 Solid Phase Extraction of Various Herbicides Using Graphitized Black Carbon Cartridges - Ying Ma and **Michael Page**

12 9:20 - 9:40 Solid Phase Extraction Method Developments In Food Applications - **Susan Price**

13 9:40 - 10:00 Microwave Solvent Extraction of Chlorinated Pesticides from Soil - **Todd Kierstead**

10:00 - 10:45 **BREAK - VISIT EXHIBITS**
Refreshments in Exhibition Area

14 10:45 - 11:05 Accelerated Solvent Extraction (ASE) for Fast Efficient Extraction of Pesticides in Soil - **John Ezzel, Bruce Richter and Brian Thompson**

15 11:05 - 11:20 Mississippi State Report - **Reba L. Ingram**

16 11:20 - 11:40 State of Texas Report on Contaminant Studies/Projects-Contaminant Assessment Program - **Ismael "Smiley" Nava**

17 11:40 - 11:55 The Influence of Both Foliar Fertilizer and Pesticide Applications on Residual Persistence, Total Yield, Physical and Chemical Properties of Valencia Orange Fruit - **Dr. Maustafa El-Said Nassar**

11:55 - 12:05 **Door Prize Drawing (must be present to win)**

12:05 - 1:30 **Lunch (on your own)**

Tuesday / July 18, 1995 / Afternoon

18	1:30 - 1:50	Operating a Chemistry Laboratory in Compliance with GLP Standards Regulations - **Dr. Elizabeth A. Mishalanie**
19	1:50 - 2:05	Laboratory Compliance with Good Laboratory Practice Standards for Magnitude of the Residue Studies - **Dr. Theresa Ali** and Dr. Jau Yoh
20	2:05 - 2:20	The National Environmental Laboratory Accreditation Program (NELAP) - **Dr. David Klein**
21	2:20 - 2:35	Analytical Protocols for the Rapid Extraction of Pesticides Using Supercritical Fluids - **Dr. Joseph M. Levy** and Scott Elkins
	2:35 - 3:15	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
22	3:15 - 3:35	A Multiresidue Method for Wheat Using Supercritical Fluid Extraction, Solid Phase Extraction and Gas Chromatography/Mass Spectrometry - **Dr. Tim Norden**
23	3:35 - 3:55	Analysis of Soil and Water Samples for Iprodione and Five Metabolites by API-HPLC/MS/MS and Trace Enrichment HPLC - **Joseph P. Wargo, Jr.**
24	3:55 - 4:15	Robust Supercritical Fluid Extraction (SFE) Method for OCPs (Organochlorine Products) and PCBs. Deliverable Experiments for US EPA Methods - **Steven Hutt**
25	4:15 - 4:30	Facet Herbicide Analysis - **Andrew Schmidt**
26	4:30 - 4:45	New Derivatives of Herbicidal Carboxylic Acids - **Dr. Alan P. Thio** and Milton J. Kornet
27	4:45 - 5:00	Carbonless Copy Paper: Is It All Write ? - **Charles J. Schmidt**
	5:00 - 5:10	**Door Prize Drawing (must be present to win)**
	5:10 - 5:30	Southern States Check Sample Program Meeting - **Gail Parker**
5:45		***** Volley Ball Games *****

Wednesday / July 19, 1995 / Morning

28	8:00 - 8:30	Pesticide Residue in Fatty Foods Revisited and New Methods and Uses for Solid Phase Extractions - **Milton A. Luke**
29	8:30 - 8:50	GC/MS/MS Analysis for Pesticide Residues in Agricultural Products - **Dr. Carl Feigal**
30	8:50 - 9:10	Using Large Volume Injections to Lower Detection Limits for Targeted Pesticides by Full Scan GC/MS - **John Thorp**
31	9:10 - 9:30	New Ion Trap Technology for Environmental Analysis - **Dr. William C. Schnute**
32	9:30 - 9:50	Pesticide Residue Analysis by Ion Trap MS/MS - **Bert C. Lynn, Jr.**
	9:50 - 10:15	**BREAK - VISIT EXHIBITS** **Refreshments in Exhibition Area**
33	10:15 - 10:35	Increasing GC Sensitivity with Large Volume Injection - **Mike Burke**
34	10:35 - 10:55	Evaluation of a PTV Injector for Pesticides - **Anne Sensel**
35	10:55 - 11;15	Matrix-Induced Peak Enhancement of Pesticides in Gas Chromatography: Is there a Solution? - **Dr. Ronald Erney**
36	11:15 - 11:35	HPLC Analysis of Polynuclear Aromatic Hydrocarbons (PAH's) Using UV and Fluorescence Detection - **Tina Blauvert** and James B. Westmoreland
37	11:35 - 11:55	CDFA (California Dept. of Food and Agriculture) Report and Workshop Report. - **Dr. Dianne Bennett**
	11:55 - 12:05	**Door Prize Drawing (must be present to win)**

Main Workshop Adjourns

Wednesday / July 19, 1995 / Afternoon

1:00 - 5:00 Vendors Seminars:

a) **Enigma Analytical**

b) **Ohmicron**

c) **Dionex**

d) **Varian**

e) **Hewlett Packard**

PROGRAM PRESENTERS

ALI PhD, THERESA; UNIVERSITY OF FLORIDA, PESTICIDE RESEARCH LAB, SW 23 DR & HULL ROAD, GAINESVILLE, FL, 32611 **19**

BAKER, LYNDA L; USDA-APHIS PPQ, NAT'L MONITOR RES ANAL LAB, 3505 25TH AVE. ROOM 154, P O BOX 3209, GULFPORT, MS, 39503 **5**

BARNEY, JOSEPH ; USDA FEDERAL GRAIN INSP SERV, 10383 N EXEC HILLS BLVD, KANSAS CITY, MO, 64153-1394 **P10**

BELLMAN, SANDER W; FOOD AND DRUG ADMINISTRATION, 60 EIGHTH STREET NE, ATLANTA, GA, 30067 **P6**

BENNETT PhD, DIANNE; CALIFORNIA DEPT OF FOOD AND AGRICULTURE, DIVISION OF INSPECTION SERVICES, 3292 MEADOWVIEW ROAD, SACRAMENTO, CA, 95832 **37**

BLAUVELT, TINA; SCI-CON, 631 EXECUTIVE DRIVE, WINTER PARK, FL, 32789 **36**

BURKE, MIKE; PERKIN ELMER CORPORATION, 761 MAIN AVENUE, MS #10, NORWALK, CT, 06859-0002 **33**

BURSE, V W; CENTERS FOR DISEASE CONTROL, NCEHIC/EHLS/TOX BR, 1600 CLIFTON ROAD NE, ATLANTA, GA, 30033 **P7**

COHEN, SHARRYN; NEVADA DEPT OF AGRICULTURE, PLANT INDUSTRY, P O BOX 1100, RENO, NV, 89510 **P2**

DE KOK PhD, ANDRE' ; FOOD INSPECTION SERVICE, PESTICIDE ANALYSIS DEPT, BURGPOELWAARD 6, 1824 DW, ALKMAAR, THE NETHERLANDS **P5 9**

DE BOER, GERRIT; DOW ELANCO, 9410 ZIONSVILLE ROAD, INDIANAPOLIS, IN, 46268 **P8**

DEVRIES PhD, JONATHAN; GENERAL MILLS CORPORATION, 9000 PLYMOUTH AVENUE NORTH, JAMES F BELL TECHNICAL CENTER, GOLDEN VALLEY, MN, 55427 **8**

ELKINS, SCOTT; SUPREX CORPORATION, SFC RESEARCH CENTER, 125 WILLIAM PITT WAY, PITTSBURGH, PA, 15238 **21**

EL SAID NASSAR, MAUSTUFA ; MENOFIJA UNIVERSITY-EGYPT, PLANT PROTECTION DEPT, EGYPT-SHEBIN, EL KOME FAC OF AGRI, SHEBIN EL KEME, EGYPT **17**

EPSTEIN PhD, ROBERT ; USDA / AMS, P O BOX 96456, WASHINGTON, DC, 20090 **2**

ERNEY, RONALD ; USFDA, PICRC, 1560 E JEFFERSON, DETROIT, MI, 48207 **35**

EZZEL, JOHN; DIONEX, SALT LAKE CITY TECHNICAL CENTER, 1515 WEST 2200 SOUTH, SUITE A, SALT LAKE CITY, UTAH, 84119 **14**

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

FERGUSON, DIANA; WASHINGTON STATE DEPT OF AGRICULTURE, 2017 SOUTH FIRST STREET, YAKIMA, WA 98903 **P13**

FONG, W GEORGE ; FLORIDA DEPT OF AGRICULTURE, CHEMICAL RESIDUE LAB, 3125 CONNER BLVD, CHEMICAL RESIDUE LAB 3, TALLAHASSEE, FL, 32399-1650 **P6**

FORD, JOSEPH H; USDA-APHIS PPQ, NAT'L MONITOR RES ANAL LAB, 3505 25TH AVENUE ROOM 154, P O BOX 3209, GULFPORT, MS, 39503 **5**

GALLAGHER, JOHN B; USDA-APHIS PPQ, NAT'L MONITOR RES ANAL LAB, 3505 25TH AVENUE ROOM 154, P O BOX 3209, GULFPORT, MS, 39503 **5**

GENO PhD, PAUL W; SOUTHWEST RESEARCH INSTITUTE, ENVIRONMENTAL CHEMISTRY, 6220 CULEBRA ROAD, SAN ANTONIO, TX, 78250 7

GOLDBERG PhD, SIDNEY ; DUPONT AGRIC PRODUCTS, EXPERIMENTAL STATION, WILMINGTON, DE, 19880-0402 **6**

HOLMES, WILLIAM; VARIAN CHROMATOGRAPHY SYSTEM, 2700 MITCHELL DRIVE, WALNUT CREEK, CA, 94598 **29**

HUTT, STEVE; HEWLETT PACKARD CO, 2850 CENTERVILLE ROAD, WILMINGTON, DE, 19808 **24**

INGRAM, REBA ; MISS STATE UNIVERSITY CHEM LAB, P O DRAWER CR, MISS STATE, MS, 39762 **15**

ITAK, JEANNE A; OHMICRON ENVIRONMENTAL DIAGNOSTICS, 375 PHEASANT RUN, NEWTOWN, PA, 18940 **P3**

KIERSTEAD, TODD ; CEM, P O BOX 200, MATTHEWS, NC, 28106 **13**

KING, JIM; USDA, AGRICULTURE RESEARCH SERVICE, SUBTROPICAL HORTICULTURE RESEARCH STATION, 13601 OLD CUTLER ROAD, MIAMI, FL 33158 **P12**

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

KORNET, MILTON J; UNIV OF KENTUCKY, REGULATORY SERVICES, BUILDING G, LEXINGTON, KY, 40517-1302 **26**