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EDITORIAL BOARD: H. Chip Walls, B.S., Jim Wigmore, B.Sc., Carl Selavka, Ph.D., Daniel Isenschmid, Ph.D.

PUBLISHER: Patricia Mohn-Monforte

IN THIS ISSUE

REGULAR FEATURES: Journal Club ✂ Professional Calendar ✂ Career Opportunities ✂
From the Editor's Desk ✂ Elmer Gordon ✂ Drugs in the News

TECHNICAL NOTES: Blutalkoholkonzentration ✂ **CASE NOTES:** Incidence of Cocaine and
Metabolites in Driver and Pedestrian (Isenschmid and Hepler)

OF SPECIAL INTEREST: 1998 Board of Directors ✂ SOFT/TIAFT '98 ✂ SOFT Wear
Order Form ✂ **IN MEMORIAM:** Robert Forney, Sr., Ph.D., and Rosemary Alstott Kincaid, Ph.D.

INSERTS: 1997 SOFT Meeting Abstracts ✂ '98 SOFT/TIAFT Preliminary Program ✂ Robotics
Survey ✂ Change of Address Form ✂ JAT Special Issue Call-for-Papers

FROM THE EDITOR'S DESK Joseph R. Monforte, Ph.D., DABFT

Having recently moved (yes, we are officially in the new house), I realize how cumbersome it is to relay all the necessary change of address information. Since Pat actually did this on my behalf, she devised a way to make it easier and will share the end product with you. Therefore, you will find a convenient change of address form in this issue of ToxTalk. If you have changed any contact information or added information, such as e-mail, you may want to take advantage of this form. I suggest you keep it on file for any future use.

A revision of the traditional SOFT logo was approved at the Snowbird meeting. The new logo consists of the same outer ring with the Society's name and a black inner circle with the white skull and crossbones poison logo. A sample can be seen on the JAT Call-for-Papers. Incidentally, how many of you are aware that the SOFT logo is a Conway microdiffusion cell? ✂

ToxTalk is mailed quarterly (bulk mail) to members of the *Society of Forensic Toxicologists, Inc.* It is each member's responsibility to report changes of address to the SOFT mailing address (Mesa, AZ - above). Non-members may now receive **ToxTalk** for \$15 per calendar year. Make your check payable to SOFT, and mail it to the **ToxTalk** Editor.

All members and others are encouraged to contribute to **ToxTalk**. Please mail your contribution to:

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DEADLINES: Feb. 1, May 1, Aug. 1, and Nov. 1.

NEXT DEADLINE: February 1, 1998

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SOFT dues in the amount of \$50.00 are now payable for 1998. A dues notice form will be provided in a separate mailing which will allow you to pay by credit card; VISA, Master Card, American Express or Discover. As in the past, you can pay by personal check, department voucher, or organization check. However, if you do not pay by February 1, 1998, you must add a late fee of \$7.00. If no payment is received, you will be dropped from SOFT membership.

In many instances, someone other than the member is paying their dues. If this is your case, please check to confirm that payment has been made by your place of business or other provider.

If you have changed your address, notify the SOFT Administrative Office immediately so that you will receive your dues notice and maintain your SOFT membership. The dues notice form will also allow SOFT to update your mailing address, phone number(s), FAX, and e-mail address as well as other pertinent information. Please take the time to read the form and return it promptly with your payment. Should you not receive a dues notice form, please contact the SOFT Administrative Office at 602-839-9106.

We value your interest in SOFT and look forward to serving your needs in 1998. ☘

Editor's Note: A change of address form is also included in this issue of ToxTalk.

REVISED FORENSIC TOXICOLOGY LABORATORY GUIDELINES PRESENTED AT SOFT BUSINESS MEETING

The SOFT/AAFS Laboratory Guidelines Committee recently redrafted the 1997 guidelines to form a single, cohesive document. This draft, distributed to all SOFT members in the last issue of ToxTalk, combines the material which was in the appendix with that in the main body of the guidelines.

This document was approved at the SOFT Annual Business Meeting in Snowbird. Chairman, Dr. Graham Jones, will present the same document to the AAFS Toxicology Business Meeting next February in San Francisco. The other members of the committee are Dr. W. Lee Hearn, Dr. H. Horton McCurdy, and J. Rod McCutcheon. ☘

INTERNET "SITINGS": www.soft-tox.org SEND WEBSITE INFORMATION TO TOXTALK

SOFT/TIAFT '98 - NOT THAT FAR AWAY!!

Drs. Ronald Backer and N.G.S. Rao, 1998 SOFT Meeting Hosts, report that arrangements for the SOFT 1998 meeting, to be held in Albuquerque, NM, October 5 - 9, are well in progress. This is a joint meeting with TIAFT. The world-famous Kodak Hot Air Balloon Festival is also scheduled for that week in Albuquerque. While you get to enjoy this unique opportunity to see several hundred giant balloons simultaneously floating in the air and take part in several related activities, the event also brings some inconveniences, like making your reservations for hotel, transportation and car rentals well in advance. Already, 108 attendees have made reservations with the Albuquerque Hilton.

The preliminary program provided in this issue of ToxTalk describes the meeting details. There may be other workshops on Sunday afternoon (Oct. 3rd) in addition to the workshops on Monday and Tuesday.

Additional information can be obtained by writing to: SOFT-TIAFT 1998
P O Box 40711
Albuquerque, NM 87196-0771

or contact: N.G. Rao Phone: 505-841-2562 e-mail: nrao@numex.unm.edu
Ron Backer 915-561-8851 toxmantx@aol.com
Vina Spiehler 714-642-0574 TIAFT98@aol.com

HOTEL RESERVATIONS must be made directly with the hotel. You are herewith officially advised that rooms are at a premium during this time which coincides with the famous Albuquerque Balloon Festival. Space is limited and will be reserved on a "first come" basis only. To qualify for conference rates, specify "SOFT" when making your reservations. Rates not guaranteed after September 3rd.

Albuquerque Hilton (Congress Hotel) 800-274-6835: \$105 single/double; \$115 triple; \$125 quad
Fairfield Inn by Marriott (very close to Hilton) 505-889-4000: \$89 single/double; \$99 triple; \$109 quad ✕

1997 SOFT ROBOTICS SURVEY

The enclosed robotics survey is designed to obtain information about the use of robotic equipment for solid phase extractions in forensic toxicology laboratories. The purpose is to evaluate robotic systems (not extraction cartridges), establish a network of robotics users, and provide information for potential purchasers. The individual information provided will remain strictly confidential. Please submit only one survey per laboratory. If more than one robotics system is used within your laboratory, please complete a survey for each system. If your laboratory does not use robotics, please complete the survey accordingly. Please return the completed survey to Jennifer F. Limoges by January 15, 1998, to be included in a report to be published in the March issue of ToxTalk. Surveys received after 1/15/98 will be reviewed and also included in the robotics directory. If you have any questions, please contact Jennifer Limoges at 518-457-1208 or e-mail rjlimoges@juno.com.

Return completed surveys by January 15, 1998 to: JENNIFER LIMOGES FAX: 518-457-2477

Or you may mail your survey to: Jennifer F. Limoges, New York State Police Forensic Investigation Center, 1220 Washington Ave., Building 30, Albany, NY 12226. ✕

A VERY SPECIAL "THANK YOU"

As toxicologists, we rely on a wide range of companies for supplies and services. Obviously, a vital relationship exists between us and them. Each year these companies graciously come together to share with us new ideas and products while offering smiles, jokes and words of wisdom. Please take a few moments to think of and thank this year's meeting sponsors and exhibitors. Their generous and loyal financial support helps the Society to continuously offer the high quality scientific and social events that take place at every annual meeting. Our thanks to:

ACT Diagnostics, LLC; Andwin Scientific; ANSYS, Inc.; Behring Diagnostics, Inc.; Biochemical Diagnostics, Inc; Block Scientific, Inc. Boehringer Mannheim Corp.; Cambridge Isotope Labs; Capitol Vial, Inc.; Chimera Research & Chemical, Inc.; COHR MasterPlan; Diagnostic Consumables & Consultants; Diagnostic Reagents, Inc.; Diagnostix, LTD; Finnigan MAT; FITZCO, Inc.; Forensic Technologies, Inc.; Hamilton company; Hewlett Packard Co.; Immunanalysis Corp.; Instrumentation Technologies; Intoximeters, Inc.; ISOTEC, Inc.; Lipomed AG; Lynn Peavey Co.; Moore Document Solutions; Orion Diagnostica; PharmChem Laboratories, Inc.; Pierce Chemical Co.; Preston Publications / Journal of Analytical Toxicology; Radian International, LLC; Restek Corp.; Roche Diagnostic Systems; STC Technologies, Inc.; United Chemical Technologies; UTAK Labs, Inc.; Varian Associated, Inc; and Zymark Corp. ✕

Case Notes: Incidence of Cocaine and Metabolites in Driver and Pedestrian Fatalities

Submitted by: Dan Isenschmid, Ph.D., DABFT and Bradford Hepler, Ph.D., DABFT

The Toxicology Laboratory of the Wayne County Medical Examiners Office in Detroit, Michigan has recently expanded its testing on motor-vehicle related fatalities to include cocaine and other drugs of abuse. This case note presents the data we obtained from two years of driver and one year of pedestrian fatalities. This report is limited to cocaine and ethyl alcohol data. For purposes of statistics, other drugs that were found may have been present as a result of a short hospital stay (e.g. morphine) or other drug abuse (e.g. morphine from heroin). No attempt to differentiate the source of the other drugs was made nor was survival time reviewed. However, the data does suggest that cocaine may play a role in driver and pedestrian related fatalities.

Data from Drivers

Of the 197 driver fatalities studied, 91 cases (46%) were negative for drugs and ethanol, 69 cases (35%) were positive for ethanol only and 37 (19%) were positive for either some drug or combined drug and ethanol. Cocaine and/or its metabolites were found in 20 of 197 cases (10%). Of these, parent cocaine (or ethyl cocaine) was detected in the blood of 13 cases. Benzoylcegonine was detected in the blood of 19 of these cases. Of the 20 cases positive for cocaine and/or its metabolites 9 were also positive for ethanol. Eight of the cases positive for cocaine and ethanol were also positive for ethyl cocaine. The table below reflects the blood data (in mg/L) for the 13 cases in which parent cocaine (or ethyl cocaine) was detected:

Case	Cocaine	BZE	ECOC	Ethanol (g%)	Other Findings
1	0.013	0.26	0.012	0.12	
2	0.32	0.66	0.11	0.08	
3	0.049	2.1	---	0.09	
4	0.27	5.5	0.16	0.08	
5	0.30	1.1	---	---	Morphine: 0.13, Codeine: 0.033, Chlordiazepoxide & Metab.'s : 0.5
6	0.028	0.029	0.028	---	Pentobarbital: 8.0 (hospital)
7	---	0.23	0.027	0.33	
8	0.060	0.14	0.055	0.22	Hydrocodone: 0.027
9	0.11	0.54	---	---	
10	0.53	0.51	0.034	0.04	
11	1.1	1.8	0.17	0.07	Morphine: 0.045
12	0.13	1.2	0.049	0.05	
13	0.094	0.58	0.040	---	

Data from Pedestrians

Of the 63 pedestrian fatalities studied, 31 cases (49%) were negative for drugs and ethanol, 15 cases (24%) were positive for ethanol only and 17 (27%) were positive for either some drug or combined drug and ethanol. Cocaine and/or its metabolites were found in 12 of 63 cases (19%). Of these, parent cocaine (or ethyl cocaine) was detected in the blood of 10 cases. Benzoylcegonine was detected in the blood of all cases. Of the 12 cases positive for cocaine and/or its metabolites 5 were also positive for ethanol. All of these cases were also positive for ethyl cocaine. The table below reflects the blood data (in mg/L) for the 10 cases in which parent cocaine (or ethyl cocaine) was detected:

Case	Cocaine	BZE	ECOC	Ethanol (g%)	Other Findings
1	0.032	0.032	0.095	0.33	Methadone and metabolites (urine)
2	0.28	0.50	0.26	0.30	
3	0.45	1.5	0.044	0.09	
4	0.18	2.6	---	---	
5	0.27	1.0	---	---	Morphine: 0.041
6	0.056	0.17	0.058	0.34	
7	0.033	0.76	---	---	
8	0.012	0.13	0.023	0.15	Amitriptyline: 1.1, Nortriptyline: 1.9, Diazepam and Metabolites: <0.10
9	4.7*	POS*	0.37*	---	* Results are for spleen (mg/kg)
10	0.35	1.3	0.13	0.11	Morphine: 0.10, Codeine: 0.058, 6-Acetylmorphine: <0.005

Technical Notes: BLUTALKOHOLKONZENTRATION No. 19

Submitted by: J.G. Wigmore, B.Sc., Toxicology Section, Centre of Forensic Sciences, Toronto, Ontario, Canada

ETHANOL AND ISOPROPRANOL CONSUMPTION R. Iffland, M. Staak, and F. Lieder, *Beitr. gerichtl. Med.*, 47:369-378, 1989.

German title: *Athanol und Isopropanolkonsum*

Two healthy male subjects (ages 51 and 34 years) consumed isopropanol with and without ethanol. The peak blood isopropanol concentrations were approximately 0.040 g/100mL. The peak blood ethanol concentrations were 0.065 g/100mL. The isopropanol was diluted with orange juice but still had a bitter taste.

The rate of isopropanol elimination was 0.011 g/100mL/h without ethanol consumption and decreased to 0.004 g/100mL/h with ethanol. Ethanol inhibited the conversion of isopropanol to acetone until the blood ethanol concentration was less than 0.011 g/100mL. At this time, both subjects developed severe headaches due to the rapid formation of acetone.

In addition, isopropanol decreased the rate of ethanol elimination from 0.014 to 0.012 g/100mL/h. ¶

"DRUGS IN THE NEWS"

by Vince Papa, Ph.D.

KETAMINE (Special K) is a phencyclidine (PCP) -like drug in the hallucinogenic class that has been in recent reports in Great Britain as a hot new club drug. PCP drug usage remains low throughout the country. Ketamine has been used in the U.S. as an anesthetic induction agent since 1972. Structurally and pharmacologically related to PCP, this drug has failed clinical trials due to significant side effects during anesthetic recovery. Ketamine is supplied as a 10-100 mg/mL solution for intravenous injection. It is metabolized first by n-demethylation to norketamine and then to dehydronorketamine by dehydrogenation.

Norketamine has been shown to exhibit depressant effects similar to those of ketamine. Over a 72-hour period a single dose of ketamine is eliminated primarily in urine as unchanged drug (2.3%), norketamine (1.6%), dehydronorketamine (16.2%), and conjugated hydroxymetabolites (80%). Blood levels have been measured in volunteers. A 2.5 mg/kg dose produced peak levels of 1000 ng/mL 12 minutes after intramuscular injection, falling to 500 ng/mL at 30 minutes.

The mechanism of action of ketamine works through a depressant effect on the brain's limbic system. There are no published reports of toxicity in research users, because when it is used as a recreational drug it is used in doses lower than those used to produce anesthesia. When snorted by drug users, the dose is usually 50-100 mg while doses used to induce anesthesia range from 6.5-13 mg/kg. The half-life of ketamine is 3 hours with no known antagonists. Amnesia and other effects may be evident for a period of 1 to 2 hours. Other effects include purposeless movements and violent and irrational behavior to any type of stimuli. Additionally, other reported toxic reactions to ketamine include blurred vision, respiratory stimulation or depression, tachycardia or bradycardia, hypertension or hypotension and cardiac arrhythmia. In a clinical setting, more than half of the adults over age 30 exhibit delirium, excitement, and visual disturbances. One of the reasons why users at "raves" do not experience difficulty is that side effects are significantly less prominent in younger people.

There are a number of different assays for ketamine: flame ionization, nitrogen specific and electron-capture gas chromatography, both with and without derivitization. The Toxi-Lab system is the only commercial drug screening test that detects ketamine. Even though the ketamine molecule is similar to PCP structurally, the Roche On-Line PCP assay has cross-reactivity of only 0.05% to ketamine, and ketamine does not cross react significantly with antibodies used for CEDIA or EMIT assays. Therefore, it will not be detected in emergency room or workplace programs.

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3. *Abuscreen On-line, Automated Assays for Drugs of Abuse, Phencyclidine*, March 1996. ¶

Send your material for "Drugs in the News" to:

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Fax: 210-536-1451 e-mail: vincent_papa@platinum.brooks.af.mil - or -

Laureen Marinetti-Sheff, MI State Police Crime Lab - Tox, 714 S Harrison, East Lansing, MI 48823

Fax: 517-336-6511 e-mail: ljtoxi@aol.com

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CALL FOR CASE NOTES

Your case note should be about 1/2 page in length, no more than a full page. Material on a disk (preferably using Microsoft Works/Word 4.0) may be mailed or faxed to: Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, 42408 N. Sombren Rd., Cave Creek, AZ 85331-2821. Or fax: 602-595-MONF (6663). The e-mail address is: monforte@juno.com

Other items of interest to SOFT members are also welcome.

Next deadline: February 1, 1998

SOFT/TIAFT 1998

October 5-9, 1998

Albuquerque, New Mexico

Look for more information in **ToxTalk!**

JOURNAL CLUB *(continued)*

- Valtier, S. and Cody, J. T. **Evaluation of internal standards for the analysis of amphetamine and methamphetamine** *Journal of Analytical Toxicology* 19 (6): 375-380 1995
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- Skurtveit, S., Christophersen, A. S. and Morland, J. **Female drivers suspected for drunken or drugged driving** *Forensic Science International* 75 (2-3): 139-148 1995
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ABFT NEWS

The ABFT Laboratory Accreditation Program is now in process. Congratulations to Dr. Barry Levine and the Maryland Office of the Chief Medical Examiner for becoming the first ABFT accredited laboratory. To receive specific information, please contact the ABFT Administrative Office.

Congratulation to Daniel Isenschmid, Ph.D., DABFT, who recently successfully qualified for certification by the American Board of Forensic Toxicology as an ABFT certified Forensic Toxicologist (Diplomate).

Forensic toxicologists with a doctorate or masters degree who are interested in certification by the American Board of Forensic Toxicology should contact: ABFT Administrative Office, P.O. Box 669, Colorado Springs, CO 80901-0669 Telephone: 719-636-1100) ✉

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AN OPPORTUNITY FOR INFORMAL DIALOGUE

IN MEMORIAM: ROBERT BURNS FORNEY, SR., Ph.D.

Submitted by Kurt Dubowski, Ph.D., DABFT

Forensic Toxicology lost one of its most beloved, accomplished and productive leaders with the death of Dr. Robert Burns Forney, Sr., in Indianapolis on 6 September 1997. He had spent his entire career at Indiana University, 1939-87, - much of it as a close colleague of Professor Rolla Harger - and rose to the rank of Distinguished Professor of Pharmacology and Toxicology in 1977. He also served as the first Director of the Indiana State Department of Toxicology, a position created for him, 1954-87. A world-class contributor to clinical and forensic toxicology, Dr. Forney organized and directed the largest and first federally-funded graduate training program in toxicology. He had received numerous professional honors, and served in many elective offices, including the presidencies of AAFS and TIAFT. Among his scientific accomplishments, he developed many now-standard approaches for measuring and evaluating the effects of alcohol and other drugs on human mental and psychomotor performance. He will continue to live on in the annals of forensic toxicology.

IN MEMORIAM: ROSEMARY LESTER ALSTOTT KINCAID, Ph.D.

Submitted by Fredric Reiders, Ph.D., DABFT

The death of Dr. Rosemary Kincaid saddens us deeply and leaves us with a profound sense of loss by her untimely demise on October 28, 1997, in Warminster, PA. Rosemary, beloved colleague and companion to those of us fortunate enough to be befriended by her, was admired for her knowledge and skill in, as well as enthusiasm for, forensic toxicology. Her professional experience included directing and working in medical examiners' offices, hospitals, and private laboratories in Indiana, California, New York, Wyoming, Pennsylvania, and Delaware for more than 20 years. She also willingly shared her knowledge as a teacher of senior high school chemistry and physics, breath testing in law enforcement school and biochemistry at university. Dr. Kincaid held numerous offices at SOFT including 1986 President, was active in AAFS, published significant papers and presented ubiquitously at SOFT and AAFS meetings.

Born in West Virginia and raised in the hills of Louisa, Kentucky, she became an outstanding BS, ASCP medical technologist, who fell in love with chemistry and brilliantly worked her way through to an MS and then Ph.D. in toxicology under the tutelage of Drs. R. Harger and R. Forney, Sr. Her company was always a pleasure; at her best, she was an inspiration. Wherever she was, was made better by her.

RECYCLE: Joe Monforte is looking for used vehicle license plates. Please send to ToxTalk address. ☒

CAREER OPPORTUNITIES

Positions available are listed for the consideration of SOFT members. There is no fee for this service. The information will be repeated in the next issue only if the information is confirmed by the person who submitted it.

Contact LtCol James Kuhlman at 210-536-2530 or Gayle Donaldson at 210-536-2197, Brooks Air Force Base, TX, for information on the next 3 positions. **TOXICOLOGIST GS-13, Ph.D.:** Laboratory Certifying Official - technical expertise re: forensic procedures, review & certify drug test results, provide forensic support, and testify. **TOXICOLOGIST GS-12, Masters:** Lab Certifying Official, technical expertise re: forensic procedures, tech guidance, review & certify drug test results, etc. **TOXICOLOGIST GS-13, Ph.D.:** Quality Assurance Officer, responsible for FUDTL quality assurance program and testify at military boards and court actions.

NOTE: There were many positions posted at the recent SOFT Annual Meeting. We would like to publish these and any other job openings in the next issue of ToxTalk but cannot do so unless requested by a representative of the potential employer. If you have a job position available, FAX (602-595-6663) or E-MAIL (monforte@juno.com) to ToxTalk or mail to: Dr. Joseph Monforte, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 42408-2821.

PROFESSIONAL CALENDAR

SOFT MEETING: October 5-9, 1998, SOFT/TIAFT, Albuquerque, New Mexico. Co-Hosts Drs. NGS Rao and Ronald Backer. For information contact Dr. NGS Rao, 505-841-2562, FAX: 505-841-2543, e-mail: NRAO@NUMEX.UNM.EDU.

American Academy of Forensic Sciences (AAFS) annual meeting: February 9-14, 1998, San Francisco. Contact Brenda Papke, 719-636-1100. ☒

11/25/97 pat



Land of Enchantment
SOFT-TIAFT 1998



Albuquerque Hilton, October 5 - 9, 1998
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PRELIMINARY PROGRAM

SATURDAY, 3 OCTOBER 1998

Pre-Conference Tours: Acoma Pueblo; City Tour/Indian Cultural Center; Sandia Peak Tram Ride and Mountain Trails; Jemez Springs Mountain Area; Bandelier National Monument.
CAP Inspector's Workshop

SUNDAY, 4 OCTOBER 1998

Pre-Conference Tours: Balloon Festival Mass Ascension at Dawn; Albuquerque City Tour
SAMHSA NLCP Inspector's Workshop

MONDAY, 5 OCTOBER 1998

Time: Workshops 1 & 2 - 8:00 A.M. to 12:00 Noon

Workshop # 1 Pharmacology and Analytical Toxicology of Drugs in Saliva

Workshop # 2 Current Applications of Thin Layer Chromatography in Forensic Toxicology

Time: Workshops 3, 4 & 5 - 1:30 P.M. to 5:30 P.M.

Workshop # 3 Analytical and Interpretive Challenges with Amphetamine Analogs

Workshop # 4 Practical Aspects of CI/MS for Drugs of Abuse Analysis

Workshop # 5 Case Histories In Forensic Pathology.

Welcoming Reception

ESDAY, 6 OCTOBER 1998

Workshop # 6 Medical Traditions in the Four Cultures: "Herbs of the Curanderos" at Rancho de las Golondrinas and "The Scalpel and the Silver Bear" in Santa Fe.

Free afternoon in Santa Fe

WEDNESDAY, 7 OCTOBER 1998

Plenary Session

Scientific Sessions, Oral and Poster

Exhibits Open

Presidents Reception and Buffet Dinner

Elmer Gordon Forum

THURSDAY, 8 OCTOBER 1998

Scientific Sessions, Oral and Poster

Exhibits Open

FRIDAY, 9 OCTOBER 1998

Scientific Sessions, Oral and Poster

Exhibits Open

SOFT Business Meeting

TIAFT Business Meeting

Farewell Banquet

TURDAY, 10 OCTOBER 1998

Post Congress Tours: Taos Pueblo; White Sands and Carlsbad Caverns



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



Registration Information

There are two types of registrations: the **Sandia Registration** and the **Mesa Registration**. The Mesa Registration is a basic fee in keeping with traditional SOFT meetings. The Sandia Registration is an all-inclusive fee in keeping with traditional TIAFT meetings. Both types of registrations are fully described below. There is also a description of Workshop # 6 and the Accompanying Person Registration. Everyone has the choice to choose either registration regardless of membership. Attendees using the Mesa Registration may purchase the accompanying persons registration package on the Sandia Registration form or any individual tickets as desired.

Mesa Registration

The basic meeting registration includes admission to all scientific sessions, copy of Abstracts book, the Welcoming Reception, the Presidents Reception and buffet dinner, Thursday Luncheon and all coffee breaks.

Sandia Registration

The basic meeting registration includes admission to all scientific sessions, copy of the Abstracts book, the Welcoming Reception, the Presidents Reception and buffet dinner, the Wednesday, Thursday and Friday Luncheons, the Farewell Banquet, Workshop # 6, the published Congress Proceedings and all coffee breaks.

Accompanying Persons Registration

This registration includes the Welcoming Reception, the Presidents Reception and buffet dinner, the Banquet and Workshop # 6 (trip to Santa Fe).

Workshop # 6

This workshop, "Medical Traditions in the Four Cultures" includes round-trip transportation, morning lectures on Herbs and Plants of the Curenderos at Rancho de las Golondrinas and on combining Western and Traditional Navajo medicine in Santa Fe, continental breakfast and lunch. The afternoon will be free to walk, shop or visit museums in Santa Fe.

Payment Deadlines

A late fee of \$50 will be charged on all registration received after August 1, 1998. No mail registrations accepted after September 7, 1998. Payment by credit cards or business checks drawn on a USA bank, International Bank Check or Money Order. All funds must be paid in US dollars. Make payable to SOFT/TIAFT 98.

Cancellation of Registration: 70% refund if canceled prior to July 10, 1998; 50% refund if canceled prior to Sept. 7 1998; No refund if canceled after Sept. 7, 1998.

Hotel Reservations and Air

Reservations for rooms should be made directly with the hotel. Because the meeting is being held during the week of Balloon Festival attendees are advised to reserve rooms and flights as early as possible. After July 1 no accommodations can be assured. Early departure fees possible. Contact Albuquerque Hilton, (800) 274-6835, (505) 884-2500 or toll-free in North America 1-800-HILTONS (1-800-445-8667), fax (505) 889-9118. For conference rates specify SOFT. American Airlines is offering attendees a 5% discount on domestic fares. Call 1-800-433-1790 and refer to TIAFT ABQ group name and "AN NUMBER" 5708UA.

our Reservations

Requests for Pre- and Post Conference Tours will be forwarded to the local tour companies. The Conference organizers take no responsibility for pre- or post-conference tours. Tour companies pick up at the Albuquerque Hilton Hotel.



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA
Sandia Registration



NAME _____ Degree _____
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	SOFT/TIAFT MEMBER	NON- MEMBER	TOTAL ENCLOSED
Basic Meeting Registration includes admission to all scientific sessions, Abstracts book, Welcoming Reception, Presidents Reception and buffet dinner, Wednesday, Thursday and Friday Luncheons, the Farewell Banquet, Workshop # 6, the published Congress Proceedings and all coffee breaks	\$275	\$325	\$ _____
Workshop # 1 Pharmacology and Anal. Tox. of Drugs in Saliva	\$40	\$75	\$ _____
Workshop # 2 Current Applications of TLC in Forensic Toxicology	\$40	\$75	\$ _____
Workshop # 3 Analytical Challenges with Amphetamine Analogs	\$40	\$75	\$ _____
Workshop # 4 Practical Aspects of CIMS for Drugs	\$40	\$75	\$ _____
Workshop # 5 Case Histories In Forensic Pathology	\$40	\$75	\$ _____
Full-Time Student or Daily Registrant Permits attendance at scientific sessions only: Wed, Thurs, or Friday. Fee is per each day.	\$30	\$50	\$ _____
Accompanying Person Registration includes the Welcoming Reception, Presidents Reception and buffet dinner, the Banquet and Workshop # 6 (Santa Fe).	\$175		\$ _____
Extra Tickets: Welcoming Reception	\$25	# of tickets	\$ _____
Presidents Reception/ Dinner (Wed.)	\$25	# of tickets	\$ _____
Farewell Banquet (Fri.)	\$40	# of tickets	\$ _____
Luncheon (Wed.)	\$20	# of tickets	\$ _____
Luncheon (Thurs.)	\$20	# of tickets	\$ _____
Luncheon (Fri.)	\$20	# of tickets	\$ _____
Meeting T-Shirts (free if registered by July 1) Large _____ X-Large _____ XXLarge _____ May not be available after Aug 1, 1998. \$15 each for extra shirts. _____ # Extra Shirts			\$ _____
Late Fee: For all registrations received after Aug 1, 1998		\$50	\$ _____
No mail registrations accepted after September 7, 1998: Payment by personal or business checks drawn on a USA bank, International Bank Checks or Money Order. All funds must be paid in US dollars. Make payable to SOFT/TIAFT 1998.			Total \$ _____

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SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque Hilton
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charged.

Signature _____

ALL RESERVATIONS MUST BE IN BY SEPTEMBER 3, 1998

Reservations received after this date will not be guaranteed room availability or the conference rate.



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



Instructions for Abstract Preparation

General Instructions:

The program committee solicits abstracts on all forensic toxicology topics, but is especially interested in papers on the analysis of drugs and metabolites in alternative biofluids and tissues such as hair, sweat, saliva, skin, vitreous, breast milk, meconium, etc. and in papers relating drug concentrations to performance impairment, drug interactions, drug metabolism, pharmacology and pharmacokinetics. Platform presentations will be 15 min including questions and Poster Presentations will be 4 ft high by 3.25 ft wide. Tack boards and thumb tacks will be provided.

An original and three copies of the abstract must be submitted on the official abstract form. Please also submit the abstract on a computer disk or by attachment to an e-mail message to tiaft98@aol.com. Electronic submissions must be in IBM word processing format (MS Word for Windows preferred) or ASCII format. Please label the disk with the first author's name and the word processing program utilized. **The deadline for submission of abstracts is July 1, 1998.** The presenting authors of all papers will be required to register for the meeting. Only abstracts written in English will be considered.

Content of Abstract

1. Author(s) names and addresses
2. Short Specific Title
3. Statement of paper's objectives
4. Statement of methods, if pertinent
5. Statement of results
6. Statement of conclusion

Sample Abstract:

Title: Type Upper and Lower Case. Use Significant Words Descriptive of Subject Content

Author(s) Names and Addresses: Type Upper and Lower Case; Spell Out First and Last Names, Use Middle Initial, e.g. Vina R. Spiehler

Indent each paragraph three spaces. Type the entire abstract within the boxed area, single spaced. Do not type in all capital letters. Capitalize and punctuate exactly as you wish the abstract to appear in the program.

Key Words: Type three key words or phrases in upper and lower case.

Format of Abstract

Abstracts must be typed and submitted in a neat legible format following the instructions and style provided in the sample below. Type the entire abstract within the boxed area, single spaced with 12 point font. Type the title in upper and lower case, followed by the author(s) names and addresses. Use an Asterisk (*) to identify the presenting author. Separate the author(s) names from the body of the abstract by a single blank line. Indent each paragraph three spaces. Identify three key words at the bottom of the abstract.

Notification of Acceptance

All submitting authors will be notified of receipt of the abstract. Notification of acceptance of the abstract and selection of the type of presentation will be mailed or sent by fax or e-mail no later than September 1, 1998.

Specific Instructions

Complete the attached form and follow the sample provided below. Proof-read all information provided. Send the original, three additional copies and an IBM disk with the abstract to:

Mailing Address: SOFT/TIAFT 1998
422 Tustin Ave.
Newport Beach, CA
USA 92663

E-mail Address: TIAFT98@aol.com
or spiehleraa@aol.com



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



Abstract of Paper

Deadline for Submission July 1, 1998

Presenting Author, Name and Mailing Address:

Telephone: _____

Fax: _____

E-mail address _____

Presentation Preference: () Oral () Poster

Affiliation: () SOFT () TIAFT () Neither

Co-authors(s), Address(es), Business Affiliations

Do you intend to submit the Full manuscript for inclusion
in the PROCEEDINGS? () YES () No

Has this paper been presented before? () Yes () No

Where and When? _____

Available Audio-visual Equipment: 35 mm slide projector
and pointer.

The abstract review committee reserves the right of final
placement of the paper. The presenting authors of all
papers are required to register for the meeting.

Signature of submitting author

1997 S.O.F.T. ROBOTICS SURVEY

Contact Name: _____ email address: _____
Laboratory: _____
Address: _____
Phone #: _____ Fax #: _____

1. Does your laboratory currently use automation for solid phase extraction?
 YES (please continue with Question 2)
 NO Are you planning to purchase any robotic systems within the next year?
 YES (please answer Question 4B)
 NO

2. What robotics system do you currently own?

Manufacturer _____
Model _____
Number of units _____
SPE column manufacturer _____

3. What specimens do you *routinely* extract with your robotics system?

Whole blood Tissue homogenate Oral fluid
 Serum / Plasma Hair Other _____
 Urine Sweat Other _____

4. A. What extractions do you currently perform by automated solid phase extraction (P)?

- B. What extractions do you plan to implement within the next two years(I)?

P	I		P	I	
<input type="checkbox"/>	<input type="checkbox"/>	Acidic/Neutral drug screen	<input type="checkbox"/>	<input type="checkbox"/>	Cocaine/Benzoylcegonine
<input type="checkbox"/>	<input type="checkbox"/>	Basic drug screen	<input type="checkbox"/>	<input type="checkbox"/>	Opiates
<input type="checkbox"/>	<input type="checkbox"/>	Amphetamine/Methamphetamine	<input type="checkbox"/>	<input type="checkbox"/>	LSD
<input type="checkbox"/>	<input type="checkbox"/>	Barbiturates	<input type="checkbox"/>	<input type="checkbox"/>	Tricyclic Antidepressants
<input type="checkbox"/>	<input type="checkbox"/>	Benzodiazepines	<input type="checkbox"/>	<input type="checkbox"/>	Other _____
<input type="checkbox"/>	<input type="checkbox"/>	Cannabinoids (whole blood)	<input type="checkbox"/>	<input type="checkbox"/>	Other _____
<input type="checkbox"/>	<input type="checkbox"/>	Carboxy-THC (urine)	<input type="checkbox"/>	<input type="checkbox"/>	Other _____

5. How satisfied are you with the performance of your robotics system (scale 1-5)?

(1 = very dissatisfied; 3 = satisfied; 5 = very satisfied; NA = not applicable)

<input type="checkbox"/>	Cost / Value	<input type="checkbox"/>	Sales service
<input type="checkbox"/>	Extraction speed	<input type="checkbox"/>	Technical support / response time
<input type="checkbox"/>	Throughput capabilities	<input type="checkbox"/>	Training
<input type="checkbox"/>	Preservation of sample integrity, i.e. carryover	<input type="checkbox"/>	Routine maintenance
<input type="checkbox"/>	Software	<input type="checkbox"/>	Reliability
<input type="checkbox"/>	Precision	<input type="checkbox"/>	OVERALL rating
<input type="checkbox"/>	Sample identification, i.e. barcode		

6. Please comment on the pros and cons of your system.

A directory will be compiled consisting ONLY of the laboratory's name, address, and phone number; a contact person at that facility; and the type of robotic system used. All other information will remain confidential.

Can we include your laboratory in this directory? YES NO

Would you like to participate in a User's Group meeting at the S.O.F.T. meeting? YES NO

FAX responses to Jennifer F. Limoges at 518-457-2477.

NOTICE OF CHANGE OF ADDRESS

Date _____

- | | <i>FAX to</i> | <i>PHONE</i> | <i>e-mail</i> |
|-----------------------------------|---------------------------------------|---|--|
| <input type="checkbox"/> SOFT | <input type="checkbox"/> 602-839-9106 | <input type="checkbox"/> 602-839-9106 | |
| <input type="checkbox"/> AAFS/JFS | <input type="checkbox"/> 719-636-1993 | <input type="checkbox"/> 800-892-1400 | <input type="checkbox"/> njackson@aafs.org |
| <input type="checkbox"/> ABFT | <input type="checkbox"/> 719-636-1993 | <input type="checkbox"/> 800-892-1400 | attn: Robben |
| <input type="checkbox"/> CAT | <input type="checkbox"/> 714-548-3654 | <input type="checkbox"/> 714-546-3654 | |
| <input type="checkbox"/> JAT | <input type="checkbox"/> 847-647-1155 | <input type="checkbox"/> 847-647-2900 | |
| <input type="checkbox"/> ACS | <input type="checkbox"/> 614-447-3670 | <input type="checkbox"/> 800-333-9511 | |
| <input type="checkbox"/> AACC | <input type="checkbox"/> 202-887-5093 | <input type="checkbox"/> 800-892-1400x716 | |

_____ FAX _____ PH _____

_____ FAX _____ PH _____

_____ FAX _____ PH _____

Please change my contact information as noted below.

Name: _____
(last) (first) (degree/s, certification/s)

Former information

Mailing address:

City _____

State _____ Zip _____

Telephone _____

Fax _____

e-mail _____

NEW information

Mailing address:

City _____

State _____ Zip _____

Telephone _____

Fax _____

e-mail _____

To complete this form: Check the box for those organizations to which you belong and add others as needed. PRINT all the requested information. Phone or fax as checked.

This generic form is provided in the December (1997) issue of ToxTalk to encourage members to make sure their contact information is current with SOFT and other professional organizations.

COMPLETE THIS INFORMATION ONLY IF YOU HAVE CHANGED ANY CONTACT INFORMATION..

You may wish to keep this on file for future use.

pat 11/05/97