



TOX TALK

Society of Forensic Toxicologists, Inc.

1013 THREE MILE DRIVE • GROSSE POINTE PARK • MICHIGAN 48230-1412

VOLUME 13, No. 3

SEPTEMBER 1989

MESSAGE FROM THE PRESIDENT . . . C. NICHOLAS HODNETT, Ph.D.

PRESIDENT

C. Nicholas Hodnett, Ph.D.
Department of Labs and Research
Westchester County
Valhalla, NY 10595
~~(914) 347-6213~~
(914) 524-5610

VICE PRESIDENT

Robert O. Bost, Ph.D.
S.W. Inst. of Forensic Science
5230 Medical Center Drive
Dallas, TX 75235-7710
(214) 920-5960

SECRETARY

Richard D. Pinder, Ph.D.
Office of the Chief Medical Examiner
11 Shuttle Road
Farmington, CT 06032
(203) 679-3980

TREASURER

Mark B. Lewis, B.S.
24 Rip Van Lane
Ballston Spa, NY 12020
(518) 457-1208

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TOXTALK EDITORS

Yale H. Caplan, Ph.D.
Office of the Chief Medical Examiner
111 Penn Street
Baltimore, MD 21201
(301) 333-3299

Joseph R. Monforte, Ph.D.
Wayne County Medical Examiner's Office
400 East Lafayette Street
Detroit, MI 48226
(313) 224-5626

1989 MEETING HOST

Michael I. Schaffer, Ph.D.
Cook County Medical Examiner's Office
2121 West Harrison Street
Chicago, IL 60612
~~(312) 666-0500~~
(312) 997-4490

Dear Fellow Members:

I expect that you are planning to attend the SOFT Annual Meeting in Chicago this October unless you have a darn good excuse. Your Meeting Host, Mike Schaffer, has put together a fine collection of papers, workshops and exhibits which will be presented in a unique hotel. He has scheduled plenty of breakfasts and receptions where you will have the opportunity to great old friends and meet new ones.

Of particular importance to me as your President is your attendance at the Saturday morning presentation of the S.O.F.T. Forensic Toxicology Guidelines Committee report and the Annual Business Meeting. The "Guidelines" Committee chairman, Mike Peat, and committee members have been working very hard to produce forensic toxicology guidelines for our review and ultimate approval. In addition, at our Annual Business Meeting you will hear first hand about all S.O.F.T.'s officers' and committees' activities and elect new S.O.F.T. officers for 1990.

See you in Chicago!

S.O.F.T. ANNUAL MEETING

OCTOBER 18-21, 1989 CHICAGO, IL
CALL: 313-884-4718 FOR INFORMATION

IN THIS ISSUE

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INSERTS: MEETING REGISTRATION FORM - BUS DISCOUNT COUPON
- HOTEL RESERVATION CARD - SALARY SURVEY FORM

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ToxTalk is mailed quarterly to members of the Society of Forensic Toxicologists, Inc. For membership information contact: Richard D. Pinder, Ph.D., SOFT Secretary, Office of the Chief Medical Examiner, 11 Shuttle Road, Farmington, CT 06032 telephone: (203) 679-3980

All members and others are invited to contribute to ToxTalk. Submit all materials (original plus 3 copies, if possible) for publication consideration to: ToxTalk, 1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412. DEADLINES: February 1, May 1, August 1, and November 1.

* * * NEXT TOXTALK DEADLINE: NOVEMBER 1, 1989 * * *

NOMINATING COMMITTEE ANNOUNCES 1990 SLATE

The SOFT Nominating Committee announces the following nominees as 1990 officers for your consideration.

PRESIDENT: ROBERT O. BOST, PH.D.

Dr. Bost received his M.S. and Ph.D. degrees in Organic Chemistry from the University of Houston in 1970. He has been an ABFT Diplomate since 1980. Since 1987, Dr. Bost has served as Chief Toxicologist for the Southwest Institute of Forensic Sciences and as Assistant Professor in the Pathology Dept. at the University of Texas Southwestern Medical Center. He has served on the SOFT Board of Directors (1986-88), several SOFT committees, and is the current SOFT Vice President. Dr. Bost is also a member of AAFS, TIAFT, and ACS.

VICE PRESIDENT: WILLIAM H. ANDERSON, PH.D.

Dr. Anderson received his Ph.D. from the University of Tennessee Center for the Health Sciences. After working in the Tennessee Medical Examiner System and academic positions, he served as Deputy Chief Toxicologist at the Oklahoma Medical Examiner's Office until 1987. Dr. Anderson is currently the Chief Toxicologist for Sierra Nevada Laboratories in Reno. He has held a variety of positions in SOFT, including a current member of the Board, Chairman of the Budget, Audit & Finance Committee, Membership Committee, and co-presenter of the 1983 SOFT Capillary Chromatography Workshop. His professional experiences include several publications and presentations and membership in AAFS, SAFS, past-president of SAT, and member of the Crime Lab Digest editorial board.

SECRETARY: ALPHONSE POKLIS, PH.D.

Dr. Poklis graduated from the University of Maryland in 1974 with a Ph.D. in Toxicology. After 10 years at the St. Louis University/Medical Examiner's Office, in 1987 he joined the Medical College of Virginia as Associate Professor, Dept. of Pathology, and Affiliate Professor, Dept. of Pharmacology-Toxicology, as well as Director of the Toxicology Laboratories for the MCV Hospital. Dr. Poklis is a member of the SOFT Guidelines Committee, past board member, and 1984 Meeting Host. His other professional affiliations include AAFS (past Toxicology Section Secretary) and a member of the CAP Toxicology Resource Committee.

BOARD OF DIRECTORS: (2 positions)

ROBERT J. OSIEWICZ, PH.D. Dr. Osiewicz is Chief County Toxicologist at the Erie County Medical Center division of Toxicology and Clinical Assistant Professor of Pathology, State University of New York at Buffalo. From 1975 to 1987 he was a forensic toxicologist in the Commonwealth of Virginia system and adjunct assistant professor at Old Dominion University in Norfolk. Dr. Osiewicz earned his Ph.D. from Case Western Reserve (Cleveland) in 1972. He is a member of IAFT, a AAFS Fellow, and charter member of SOFT where he served on the Nominating Committee in 1987, and is an ABFT Diplomate.

VINA SPIEHLER, PH.D. Dr. Spiehler worked in Scientific Instruments Division of Beckman Instruments before returning to school to receive her Ph.D. in Pharmacology and Toxicology from the U.Cal. - Irvine. As a Fogarty Fellow she studied pharmacokinetics in Sweden. Dr. Spiehler spent 6 years with the Orange County Sheriff-Coroner and is currently Technical Director for Drugs of Abuse at Diagnostic Products Corporation. As a Fulbright Fellow, Dr. Spiehler researches the application of artificial intelligence to interpretation in forensic science. She has been a SOFT member since 1982.

VOTE DURING THE BUSINESS MEETING - SATURDAY 10/21 10:30 - noon



SOCIETY OF FORENSIC TOXICOLOGISTS, INC.
1989 ANNUAL MEETING -- OCTOBER 18TH - 21ST

AMBASSADOR WEST HOTEL, CHICAGO, ILLINOIS

Be sure to read this program carefully so you may make your plans and not miss a single event. There are a lot of papers and workshops as well as other professional and social events to consider. I encourage you to pay particular attention to the Saturday workshop, "Drug Use Testing: Focus on Interpretation of Results." Dr. Dubowski assures me this is a worthwhile learning opportunity. To encourage all toxicologists to experience this workshop, meeting registration is not required to attend; the late fee, however, will apply after October 4th.

You must take care of hotel reservations early if you hope to get a room anywhere in Chicago. There are a lot of advantages to the Ambassador West, some of which are described below. Participation in some events are restricted to Ambassador West guests (complimentary continental breakfasts, evening refreshments, and extended exhibit and registration hours).

If you have any questions, please contact Pat Monforte and the S.O.F.T. Office, and we will do what we can to help you. It's going to be an exciting meeting, and I look forward to seeing YOU in Chicago!

DR. MICHAEL I. SCHAFFER, 1989 SOFT Meeting Host
Cook County Medical Examiner's Office
2121 W. Harrison St., Chicago, IL 60612
Telephone: 312-997-4490 FAX: 312 997-4400

TEL INFORMATION: The elegant Ambassador West offers easy walking to magnificent shopping and a variety of restaurants. Hotel accommodations are IMPOSSIBLE in Chicago so be sure to reserve early - hotel reservation deadline is OCTOBER 2nd. The SOFT discounted rate of \$118 (does not include taxes) per single room may also be applied to Saturday night. S.O.F.T. wishes to thank the AMBASSADOR WEST HOTEL for offering COMPLIMENTARY continental breakfasts and cocktails to S.O.F.T. meeting participants who are registered their hotel. For reservations, call 1-800-621-8090 (Ill. call 312-787-7900) or mail the enclosed card.

ON-SITE REGISTRATION: As long as space permits, on-site registration will be accepted but materials are not guaranteed.

AIR FARE: As the official S.O.F.T. meeting air carrier, United Airlines is offering a discount on all fares to Chicago for anyone participating in the SOFT meeting: 40% discount off applicable unrestricted fares and 5% off discounted, restricted fares. Consider departing Chicago on Sunday for best rates. For inquiries and reservations call 1-800-533-7544 (Mich. call 1-800-248-4640) and identify yourself as a SOFT meeting participant with a United Airlines group discount plan. There is no obligation to use any specific air line service.

FOR MEETING INFORMATION CONTACT:

Patricia Mohn-Monforte, S.O.F.T. Executive Coordinator
S.O.F.T. ADMINISTRATIVE OFFICE
1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412
Telephone: 313-884-4718

IMPORTANT DEADLINES: OCTOBER 4 - MEETING RESERVATIONS (mail)
OCTOBER 2 - HOTEL RESERVATIONS

WEDNESDAY - October 18, 1989

8:45 - 9:00 REGISTRATION for HP workshop participants only (Ambassador East)

9:00 - 5:00 WORKSHOP I: MACRO PROGRAMMING FOR HEWLETT PACKARD CHEMSTATION (Ambassador East Hotel - across from the Ambassador West) Sponsored by Hewlett Packard and limited to 20 attendees.

This workshop provides an introduction to the use of macros to automate analyses and should be helpful in providing information to enable the user to standardize data analysis and reports and obtain higher data throughput. The morning is dedicated to lectures, and the afternoon is a hands-on practice in writing macros. Macros will be written for basic data reduction operations and customizing analyses. Some familiarity with the MS Chemstation (Pascal 3.2) is recommended.

12:30 - 1:30 REGISTRATION (hotel lobby)

1:00 - 1:30 Board buses for Clinical "Forensic" Toxicology Workshop (gather in hotel lobby) - at Cook County Medical Examiner's Office

1:30 - 5:00 S.O.F.T. Board of Directors Meeting (Boardroom)

2:00 - 5:00 WORKSHOP II: CLINICAL "FORENSIC" TOXICOLOGY, i.e., Clinical Toxicology for the Forensic Toxicologist (Cook County Medical Examiner's Office). Coordinated by: Daniel Hryhorczuk, M.D., Chief, Section of Toxicology and Dept. of Occupational Medicine, Cook County Hosp., and Eleanor Berman, Ph.D. Chief of Toxicology, Biochem Section, Cook County Hosp. Lab.

An introduction to the field of clinical toxicology for the forensic toxicologist and a review of the essentials of clinical toxicology for the practicing clinician, this workshop is oriented toward case discussion, highlighting the interface of clinical and laboratory medicine. The faculty represent the clinical and laboratory core of Chicago's TOXICON consortium, which includes Cook County Hospital, Rush-Presbyterian-St. Luke's Medical Center and University of Illinois Hospital. Moderator: Michelle Kanter, Pharm. D.

"Clinical approach to the poisoned patient" - D. Hryhorczuk, M.D.

"Laboratory approach to the poisoned patient" - E. Berman, Ph.D.

"Toxic alcohols" - A. Hart, M.D.

"Asphyxiant gases" - A. Krantz, M.D.

"Cocaine" - T. Erickson, M.D.

"Heavy metals" - Y. Amitai, M.D.

"Organic solvents" - S. Hessel, M.D.

Panel Discussion: E. Berman, Ph.D., D. Hryhorczuk, M.D., A. Hart, M.D., J. Leikin, M.D., A. Krantz, M.D., T. Erickson, M.D., Y. Amitai, M.D., and S. Hessel, M.D.

TOUR - Cook County Medical Examiner's Office

(Wednesday evening, continued)

- 5:00 - 7:00 AMBASSADOR WEST COCKTAIL RECEPTION (Queen's Room, second floor).
*Hospitality exclusively for SOFT meeting attendees registered at
the Ambassador West Hotel. Ticket required.
- 5:00 EXHIBIT SET UP (Sarah Siddons & The Assembly, first floor)
- 6:30 - 8:30 REGISTRATION (Octagon Room, second floor)
- 7:00 - 9:00 S.O.F.T. WELCOME RECEPTION (King's Room, second floor) - for all
meeting registrants. Thanks to ABBOTT DIAGNOSTICS for
underwriting this event.

THURSDAY - October 19, 1989

- 7:00 - 8:45 CONTINENTAL BREAKFAST (The Assembly, first floor) compliments of
the AMBASSADOR WEST only for SOFT registrants who are hotel
guests. Ticket required.
- 7:00 - 9:30 EXHIBITS OPEN (Sarah Siddons & The Assembly, first floor)
- 7:30 - 9:30 REGISTRATION
- 8:45 Doors open for all meeting registrants
- 9:00 - 9:10 OPENING REMARKS (Guildhall, first floor) - Michael I. Schaffer,
Ph.D., 1989 S.O.F.T. Meeting Host
- INTRODUCTION - Robert J. Stein, M.D., The Medical Examiner, Cook
County, Chicago, IL
- MESSAGE FROM THE PRESIDENT - C. Nicholas Hodnett, Ph.D.
- 9:10 - 10:45 SCIENTIFIC SESSION I - Platform Presentations
- #01 Post mortem evaluation of cocaine levels in vitreous humor.
J. Beno
- #02 Methamphetamine in ante-mortem blood by radio- immunoassay
and GC/MS. S. Rasmussen
- #03 Tandem (MS/MS) mass spectrometry utilizing electron impact
ionization and multiple reaction monitoring for the rapid,
sensitive, and specific identification and quantitation of
morphine in whole blood with 5 meter capillary column
chromatography. N. Wade
- #04 An evaluation of the Abbott TDx benzodiazepine serum assay.
R. Bateh
- #05 Determination of encainide, ODE (O-desmethyl encainide), MODE
(3-methoxy-O-desmethyl encainide) and NDE (N-desmethyl
encainide) in three fatal cases. M. Rieders
- Questions and answers.

(Thursday morning, continued)

10:30 - 10:45 BREAK Sponsored by DIAGNOSTIC PRODUCTS

10:45 - noon SCIENTIFIC SESSION II - Platform Presentations

#06 Munchausen's syndrome by proxy: Ipecac poisoning in a child. A. Poklis

#07 Rapid analysis of sympathomimetic amines coupled with confidence in their full scan mass spectral identification. M. Uhrich

#08 Role of biodisposition in toxicity after cocaine free base inhalation. J. Boni

#09 Fatalities due to 3-methylfentanyl. W. Wahba

#10 Accidental carbon monoxide poisoning in police custody. W. L. Hearn

noon - 2:00 Open lunch for those not attending the seminar

noon A.B.F.T. Board Meeting (room 329)

noon - 1:30

WORKSHOP III: luncheon seminar (King's Room, second floor) - "MONITORING THE ENVIRONMENT FOR TOXIC EXPOSURE - NOT MY PROBLEM?" Slide presentation by Naresh Jain, Ph.D., and Tom Sneath, B.S. Topics include: Home hazard assessment, toxic spills and waste disposal, you ARE what you eat - toxic threats to the food industry. (ticket required)

2:00 - 3:30

SCIENTIFIC SESSION III - D.U.I.D. SYMPOSIUM - Drug Evaluation /Recognition

Introductory remarks. E. Solomons, Ph.D., Moderator

#11 Drug recognition methods. M. Burns (invited speaker)

#12 Training law enforcement in drug evaluation and classification techniques - U.S. Department of Transportation, National Highway Traffic Safety Administration. R. Mayer (invited speaker)

#13 The role of the toxicologist in the DUID program. V. Watts

Panel Discussion

3:00 - 5:00

EXHIBITS OPEN (Sarah Siddons & The Assembly)
REGISTRATION OPEN

* MEMBERSHIP INFORMATION: If you would like information on the *
* requirements for membership in the Society of Forensic *
* Toxicologists, please contact: Dr. Richard Pinder, SOFT Secretary, *
* Office of the Chief Medical Examiner, 11 Shuttle Road, Farmington, *
* CT 06032. Telephone: 203-679-3980 *

(Thursday afternoon, continued)

3:30 - 5:00 SCIENTIFIC SESSION IV - POSTER SESSION

- #14 Solid phase extract for the identification and quantitation of fatty acid ethyl esters. J. Johnson
- #15 Evaluation of the Abbott TDx for drugs of abuse testing in a field environment. D. Bush
- #16 Do breath tests overestimate blood alcohol concentrations? Yes, no, maybe. N. Rao
- #17 Quality Assurance and quality control in a NIDA forensic urine drug testing laboratory. M. George
- #18 Use of vitreous humor to facilitate postmortem alcohol interpretation. B. Levine
- #19 Fentanyl fatality involving Midazolam. B. Levine
- #20 Urine opiate determinations following the ingestion of poppy seed cake. N. Fortner
- #21 Using solid phase extraction to confirm drugs of abuse. R. Parry
- #22 Analysis of whole blood for benzodiazepines by radioimmunoassay. D. Andrenyak
- #23 The incidence of alcohol and drugs among MVA trauma admissions to a regional trauma unit. B. Kapur
- #24 Comparison of two Coat-A-Count kits for the determination of morphine in post mortem blood. J. Monforte
- #25 Simultaneous determination of alprazolam and triazolam in whole blood by gc/npd. H. McCurdy
- #26 Mandatory post-accident testing for the Federal Railroad Administration. D. Moody

5:00 - 7:00 AMBASSADOR WEST COCKTAIL RECEPTION (Queen's Room, second floor) - *SOFT AMBASSADOR WEST guests only. (Ticket required)

7:00 - 9:00 SCIENTIFIC SESSION V: INFORMAL PRESENTATION AND PANEL DISCUSSION (Guildhall) Sponsored by Bio-Analytical Technology Laboratory, MetPath Laboratories, and SmithKline Bio-Science Laboratories

"National laboratory certification program - NIDA and CAP accreditation and CAP

"War on drugs - education programs and the impact of drugs on violent crime in America" - representatives from the U.S. Department of Justice and U.S. Treasury Bureau of Alcohol, Tobacco and Firearms.

Other topics as time permits. Be prepared to present your views. Cocktails and hors d'oeuvres before discussion.

FRIDAY - October 20, 1989

7:00 - 8:45 CONTINENTAL BREAKFAST (The Assembly, first floor) compliments the AMBASSADOR WEST for SOFT registrants who are hotel guests. Ticket required.

7:00 - 9:30 EXHIBITS OPEN (Sarah Siddons & The Assembly, first floor)

8:30 - 9:30 REGISTRATION (exhibit area)

8:45 Doors open for all meeting registrants

9:00 -10:20 SCIENTIFIC SESSION VI: PLATFORM PRESENTATIONS

#27 Fatal thiomylal intoxication. T. Stockman

#28 The designer drug 3-methylfentanyl: identification and quantitation. F. Esposito

#29 Screening of blood and urine for drugs of abuse utilizing the Diagnostic Products Corporation's Coat-A-Count radioimmunoassay kits. N. Wade

#30 Determination of urinary glucuronic acid metabolites as a noninvasive assessment of xenobiotic induction of hepatic biotransformation in humans. J. Saady

#31 Two carisoprodol related deaths. R. Backer

#32 A quick and reliable screening technique for cyanide using Cyantesmo paper and the Conway diffusion dish. M. Schaffer

Questions & answers.

10:25 -10:40 BREAK sponsored by HEWLETT-PACKARD COMPANY

9:00 -10:20 SCIENTIFIC SESSION VII: PLATFORM PRESENTATIONS

#33 A kinetic model of cocaine and benzoylecgonine disposition. J. Ambre (invited speaker)

#34 Phencyclidine-related deaths in New Jersey during 1987 and 1988. R. Lin

#35 Methods for quantitative analysis of common preservatives in blood and urine forensic alcohol specimens. B. Olson

#36 The effects of solvents on the Intoxilyzer 4011 AS-A. C.N. Hodnett

#37 Perinatal morbidity in intravenous -vs- other forms of drug abuse. R. Pildes (invited speaker)

11:00 -12:30 EXHIBITS OPEN (Sarah Siddons & The Assembly, first floor)

noon - 2:00 SOFT AWARDS BANQUET (The Georges, second floor) SOFT wishes to thank PRESTON PUBLICATIONS (JAT), a Major Benefactor for the Awards Banquet. Ticket included in registration fee.

(Friday afternoon, continued)

- 2:00 - 3:40 SCIENTIFIC SESSION VIII - GC/MS FORENSIC SYMPOSIUM (Guildhall, first floor) Moderator - Nancy B. Wu Chen, Ph.D.
- #38 Instrument performance evaluation. J. Cody (invited speaker)
 - #39 QA-QC standards and controls in forensic GC/MS. N. Wade (invited speaker)
 - #40 Should GC/MS drug confirmations be based on full-scan or SIM mass spectral data? R. Foltz (invited speaker)
 - #41 Criteria for identification by GC/MS: when is a positive a positive? M. Peat (invited speaker)
 - #42 Administrative problems with performing GC/MS analysis for medical examiner/coroner and DUID analysis. M. Schaffer
- 5:00 - 7:00 AMBASSADOR WEST COCKTAIL RECEPTION (Queen's Room) - *SOFT hotel guests only

 SATURDAY - October 21, 1989

- 7:00 - 8:45 CONTINENTAL BREAKFAST (The Assembly, first floor) compliments of the AMBASSADOR WEST for SOFT registrants who are hotel guests. Ticket required.
- 7:00 - 9:30 EXHIBITS OPEN (Sarah Siddons & The Assembly, first floor)
- 9:00 -10:30 S.O.F.T. LABORATORY GUIDELINES COMMITTEE REPORT (Guildhall, first floor) Michael Peat, Ph.D., (Chairman) and committee members R. Blanke, Ph.d., Y. Caplan, Ph.D., L. DalCortivo, Ph.D., G. Jones, Ph.D., H. McCurdy, Ph.D., J. Monforte, Ph.D., A. Poklis, Ph.D., R. Prouty, B.S., M. Schaffer, Ph.D., and R. Shaw, B.S.
- An introduction to and discussion of the Laboratory Guidelines Report. The committee's goal is to produce laboratory guidelines and a self-evaluation checklist for use in forensic toxicology laboratories, particularly medical examiners' offices and D.U.I.D. laboratories. Comments are solicited from the membership. SOFT members will be sent information directly from the committee prior to this meeting.
- 10:30 - noon SOFT ANNUAL BUSINESS MEETING (Guildhall, first floor)
- 10:30 - noon Exhibits break down)
- noon - 2:00 Open lunch

 * EXHIBITORS: Abbott Diagnostics, Roche Diagnostic Systems, Hewlett *
 * Packard Co., JAT/Preston Publications, Diagnostic Products Corp., Sigma *
 * Chemical Co., Supelco, Inc., Finnigan MAT, Radian Corp., Toxi-Lab, Inc., *
 * M.S.D. Isotopes, and Syva Company. *

2:00 - 5:00

WORKSHOP - DRUG USE TESTING: FOCUS ON INTERPRETATION OF RESULTS. (Guildhall, first floor) Moderator - Kurt Dubowski, Ph.D. Distinguished Professor of Medicine, University of Oklahoma College of Medicine. Sponsored in part by Roche Diagnostic Systems. Refreshments sponsored by SmithKline Bio-Science Labs.

Invited presentations:

"Which babies, children, adolescents, and young adults need to be tested for drugs of abuse and why?"

Richard H. Schwartz, M.D., Vienna Pediatric Associates, Vienna, VA

"Special Considerations for the use of hair analysis in drug-use testing."

Martha Harke, Ph.D., Department of Pharmacology, School of Medicine, University of California/Davis

"Interpretation of the results of tests for cocaine and cocaine metabolites in urine."

Edward J. Cone, Ph.D., Chief, Laboratory of Chemistry and Drug Metabolism, Addiction Research Center, National Institute on Drug Abuse

Certificates will be issued for this workshop. It is not necessary to register for the meeting to attend this workshop; however, the late fee policy will apply

GROUND TRANSPORTATION:

From O'Hare Airport - Continental's AIRPORT EXPRESS - Uniformed ticket agents are in the baggage claim areas (lower level) of terminals #1, #2 and #3 and outside U.S. Customs in terminal #4. The bus loads outside these same terminals as frequently as every 10 minutes 6 a.m. to 11:30 p.m. for \$10.75 one way; \$19 round trip (\$1 coupon enclosed in ToxTalk); CAB FARE is about \$20-\$24 for 1 rider with a nominal charge for additional passengers.

From Midway Airport - Continental's AIRPORT EXPRESS departs every 15 minutes 8 am to 8:30 pm (shorter weekend hours) for \$8 one way, \$14 round trip (\$1 coupon in ToxTalk); counter in Midway Airlines baggage claim area. CAB FARE: about \$16.00 and the drive is shorter than from O'Hare.

TRY CAB-POOLING! Go to the airport taxi stand on the hour or half-hour and ask others if they are going to the SOFT meeting.

By automobile: The Ambassador West is at the far northern end of the downtown area at 1300 North State Parkway between Banks and Goethe streets. North State Parkway runs north-south and it is about 4 blocks from the lake to where the hotel stands (parallel to Lake Shore Drive).

ENTERTAINMENT: There is always something to do in Chicago. Great shopping is only a 15-minute walk away on the Magnificent Mile - Neiman Marcus, Gucci, Marshall Field, Bloomingdale's, Saks Fifth Ave, Burberry's Water Tower Place . . . Restaurants to suite every taste and budget . . . The Art Institute . . . ETC.!

The preliminary program for the 1989 Annual Meeting is enclosed in this issue of ToxTalk. I think you will all agree that Dr. Schaffer has developed a program that is outstanding. The papers and workshops should be excellent.

The Guidelines Committee met as scheduled in Atlanta and much was accomplished in the intensive weekend session. The committee is currently busy developing a self-evaluation checklist. Be sure to attend the Saturday session during the Chicago meeting for the latest information on this committee's progress.

I have had several inquiries concerning the availability of a salary survey. To my knowledge there has not been a recent survey, so I have included one in this issue of ToxTalk. I hope many of you will respond. The information will be summarized and published in ToxTalk. No sources will be specifically identified.

I look forward to seeing you in Chicago.

A.B.F.T. NEWS

CHICAGO BOARD MEETINGS

S.O.F.T.: October 18, 1989
Wednesday 1:30

A.B.F.T. October 19th, 1989
Thursday noon

Congratulations to new Board Member, Richard Prouty (also a SOFT member) whose term began July 1st. Requalification notices are en route. If contacted, please provide the required information as soon as possible. To date, 180 individuals have achieved Diplomate status.

JOURNAL CLUB

Submitted by: H. Chip Walls, Forensic Sciences, 1826 Cedar Crest Road, Birmingham, AL 35214

It is the intent of this on-going feature to call attention to unusual or highly interesting articles, not a systematic review of selected journals such as available through other recognized sources. Citations 1-45 appeared in earlier issues of ToxTalk. You are encouraged to send contributions for this column to ToxTalk. Be sure to include proper citation or source address/telephone number.

(46) COCAINE INDUCED SEIZURES, ARRHYTHMIAS AND SUDDEN DEATH. J Clin Pharmacol 128(7):584-93.

(47) RELATION BETWEEN LEAD AND CADMIUM IN BLOOD AND THE INVOLUNTARY SMOKING OF CHILDREN. Scan J Work Environ Health 14:385-389, 1988. (I've never known a kid to volunteer to be smoked!)

(48) THE FATALITY SECONDARY TO MISUSE OF TAC SOLUTION. Ann Emerg Med 17(2):159, 1988. 7-month-old female; mucous membrane absorption; 1.2mg/dl post mortem blood cocaine conc.

(49) PASSIVE FREEBASE COCAINE (CRACK) INHALATION BY INFANTS AND TODDLERS. Am J Dis Child 143:25, 1989. Describes the finding of cocaine metab. in 15% of the newborn infants in New York City ("coke babies"), and an alarming trend now evolving around kids at home with coke-abusing parents. ER peds have seen 8-10 cases where 2-year-olds have gotten the cocaine from the kitchen table and eaten it as candy. I interviewed an 8-y.o. female from a crack-smoking household where the mother had just delivered a 1-mo premi due to smoking crack. This kid knew more street info about coke than I and described a perfect high from being in the room where her parents were smoking crack! She also tested positive for BE.

A new face of child abuse/neglect??

(50) GC QUANTS OF UNDERIVATIZED AMPHETAMINE IN WHOLE BLOOD: BLOOD STORED IN PLASTIC CONTAINERS - A SOURCE OF ERROR. J Chrom 432:290-6, 1988.

ELMER GORDON OPEN FORUM

NIPPLE TUBE SUPPLIER LOCATED! Bill Morgan informs us that LABORATORY RESEARCH COMPANY still offers disposable glass "Concentratubes" which are used to concentrate large volumes down to microliter size samples for chromatographic analysis. For information call 213-544-7057 or write to LRC, P.O. Box 122, Lomita, CA 90717.

DIRECTORY UPDATE: There are so many new members, as well as a few address changes, that a directory supplement will be prepared and mailed in the December ToxTalk. Make sure Secretary Pinder has your current address.

MAIL YOUR MEETING REGISTRATION TODAY!!

GET TO KNOW THE S.O.F.T. CANDIDATES

Candidates for the various S.O.F.T. offices and board positions will be invited to assist at the registrar's desk during the S.O.F.T. annual meeting in Chicago. You are encouraged to meet the candidates and discuss any items you feel are relevant to S.O.F.T. before casting your ballot at the business meeting on Saturday, October 21st.

* MEETING NOTES *
* - Nearly 1/3 of the Ambassador *
* West Hotel rooms are already *
* reserved. *
* - Meeting registration required *
* for all workshops except *
* Saturday *

PROFESSIONAL CALENDAR

ANNUAL CONFERENCE OF THE CANADIAN SOCIETY OF FORENSIC SCIENCE: Sept. 18-22, Edmonton, Alberta. Theme: "New Horizons in Forensic Science," workshops and plenary sessions are being planned on DNA Analysis and on drugs and driving, along with scientific sessions. Contact C.S.F.S., Suite 215, 2660 South Crescent, Ottawa, Ontario, Canada K1B 4W5; telephone (613T) 731-2096.

S.O.F.T. ANNUAL MEETING: Oct. 18-21, 1989, Ambassador West Hotel, Chicago, IL. Plenary sessions, breakfast & luncheon seminars, workshops and the customary SOFT activities. See related article in this issue of ToxTalk. For further information, contact SOFT Administration Office, 1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412 (313) 884-4718 or 1989 SOFT Meeting Host Michael Schaffer, Ph.D., Cook County M.E.O., 2121 West Harrison Street, Chicago, IL 60612 (telephone: 312-666-0500).

CALIFORNIA ASSOCIATION OF TOXICOLOGISTS 1989 quarterly meetings and workshops: Nov. 4 - San Diego, CA. 1989: Feb. 3 - San Jose, CA; May 4 Drugs and Driving Workshop and May 5 meeting - Culver City, CA. For further information contact Thomas Sneath, National Toxicology Labs, 3101 16th St., #107, Bakersfield, CA 93301; (805) 322-4250.

11th INTERNATIONAL CONFERENCE ON ALCOHOL, DRUGS AND TRAFFIC SAFETY: October 24-27, 1989, Ambassador West Hotel, Chicago, IL. Program includes a keynote speaker, invited speakers for the plenary session followed by responders, concurrent sessions for the presentation of papers, poster sessions and exhibitors. For further information contact Al Lauersdorf, T-89 Secretary, National Safety Council, 444 N. Michigan Avenue, Chicago, IL 60611 (telephone: 312-527-4800).

PAN AMERICAN ASSOC. OF FORENSIC SCIENCES: November 1989: Bogota, Colombia. Theme: "The Sciences and Justice." Contact: President Dr. Egon Lichtenberger Carrera 11 A 96-26, Bogota, Colombia.

Future SOFT meeting sites: 1989 - Chicago, IL (Michael Schaffer, Ph.D); 1990 - New York City area (Michael McGee); 1991 - Canada (joint meeting with CSFS); 1992 - Connecticut; 1993 - Joint meeting with CAT; 1994 - Atlanta, GA



SOCIETY OF FORENSIC TOXICOLOGISTS, INC.

1989 ANNUAL MEETING

OCTOBER 18-21

CHICAGO, ILLINOIS

REGISTRATION FORM

NAME _____ DEGREE _____

AGENCY/CO. _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

TELEPHONE () _____ - _____ CURRENT S.O.F.T. MEMBER yes no

	SOFT Member	Non- member	Total Enclosed
MEETING REGISTRATION includes 10/18 Welcome Recept. and 10/20 Awards Banquet: <u> </u> beef <u> </u> seafood	\$45	\$85	\$ _____
WORKSHOP 1: "Macro Programming for Hewlett Packard Chemstation" Registration limited to 20	\$30	\$50	\$ _____
WORKSHOP 2: 10/18/89 Clinical "Forensic" Toxicology D. Hryhorczuk, M.D., and E. Berman, Ph.D.	\$35	\$50	\$ _____
WORKSHOP 3: 10/19/89 "Monitoring the Environment for Toxic Exposure" N. Jain, Ph.D., and T. Sneath, B.S. (includes lunch)	\$20	\$25	\$ _____
WORKSHOP 4: 10/21/89 "Drug Use Testing: Focus on Interpretation of Results" K. Dubowski, Ph.D., Moderator	\$50	\$75	\$ _____
EXTRA TICKETS: 10/18 Welcome Reception	\$ 10		\$ _____
10/20 Awards Banquet	\$ 25		\$ _____
STUDENT REGISTRATION: full-time student; does not include receptions, banquet, or workshops	\$ 20		\$ _____
LATE FEE to all registration after 10/04/89	\$ 15		\$ _____
TOTAL ENCLOSED (U.S. funds only; check or money order only)			\$ _____

ON-SITE REGISTRATION: Registration at the door will be accepted as space allows but materials will not be guaranteed.

HOTEL REGISTRATION: Contact the Ambassador West, 1300 N State Parkway, Chicago, IL 60610, telephone: 1-800-621-8090 or 312-787-7900 BEFORE OCT. 2

Send your completed registration form and check payable to S.O.F.T. to:
SOFT REGISTRATION, 1013 Three Mile Dr., Grosse Pointe Park, MI 48230-1412

No mail registration accepted after 10/04/89.

Check here if you would like information on S.O.F.T. membership ()

----- Do not write in this space -----
Mbr Nnbr W1 W2 W3 W4 Bb Bs xR xB LF \$



September 1989

Dear S.O.F.T. Member:

Below is a salary survey which I hope you will complete and return to me. There have been several inquiries concerning the availability of such information; hopefully, your response will be useful to many members.

I realize that titles differ from one jurisdiction to the next, but for the purpose of this survey the following criteria apply:

LAB DIRECTOR: Person responsible for management of all laboratory services.

TOXICOLOGIST: Person responsible only for management of the toxicology laboratory

(Note: Some offices may have only one of the above positions.)

TOXICOLOGY SUPERVISOR: Person responsible for the day-to-day laboratory operation, supervises other chemists, and reports directly to either the Toxicologist or Laboratory Director.

ANALYST: Individual performing benchwork, requiring some degree of supervision.

Please respond before NOVEMBER 1st, the deadline for the next issue of ToxTalk. No individual person will be identified. Thank you.

Joseph R. Monforte, Ph.D.
ToxTalk Co-Editor

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Please complete the following by NOVEMBER 1st and mail to:

Joseph R. Monforte, Ph.D., c/o ToxTalk, 1013 Three Mile Drive,
Grosse Pointe Park, MI 48230-1412 telephone: 313-884-4718

S.O.F.T. 1989 TOXICOLOGISTS' SALARY SURVEY

1. TYPE OF LABORATORY: Government Non-government

2. LABORATORY DIRECTOR'S RESPONSIBILITIES:

Toxicology Laboratory ONLY
 Toxicology Laboratory PLUS other laboratories

	Salary Range (Annual)	Present Annual Salary	Years at Present Position
3. LABORATORY DIRECTOR:	\$ _____ - \$ _____	\$ _____	_____ yrs.
4. TOXICOLOGIST:	\$ _____ - \$ _____	\$ _____	_____ yrs.
5. TOXICOLOGY SUPERVISOR:	\$ _____ - \$ _____	\$ _____	_____ yrs.
6. ANALYST:	\$ _____ - \$ _____	\$ _____	_____ yrs.

The first part of the report deals with the general situation in the country. It is noted that the economy is still in a state of depression, and that the government has been unable to carry out its program of reconstruction. The report also mentions that the population is suffering from a lack of food and clothing, and that the government has been unable to provide for their needs.

The second part of the report deals with the political situation. It is noted that the government is still in a state of instability, and that there is a lack of confidence in the leadership. The report also mentions that there are a number of political groups and parties, but that they are all weak and ineffective.

The third part of the report deals with the social situation. It is noted that there is a high level of unemployment, and that the government has been unable to provide for the needs of the unemployed. The report also mentions that there is a high level of illiteracy, and that the government has been unable to provide for the needs of the illiterate.

RECOMMENDATIONS

It is recommended that the government should take the following steps:

1. To carry out a program of reconstruction and development.
2. To provide for the needs of the population.
3. To provide for the needs of the unemployed.
4. To provide for the needs of the illiterate.

The report concludes by stating that the situation in the country is very serious, and that the government must take immediate action to address the problems. It is hoped that the recommendations will be accepted and that the government will be able to carry out its program of reconstruction and development.



Society of Forensic Toxicologists, Inc.

1013 THREE MILE DRIVE • GROSSE POINTE PARK • MICHIGAN 48230-1412

DATE: DECEMBER 1989

TO: S.O.F.T. MEMBERS

FROM: JOSEPH R. MONFORTE, PH.D., TOXTALK CO-EDITOR

BELOW IS A SUMMARY OF RESPONSES TO MY REQUEST FOR CURRENT SALARY INFORMATION WHICH APPEARED IN THE SEPTEMBER ISSUE OF TOXTALK. A TOTAL OF 42 RESPONSES WERE RECEIVED; HOWEVER, KEEP IN MIND ALL POSITIONS WERE NOT ADDRESSED BY EVERY RESPONSE. I WANT TO THANK EVERYONE WHO SHARED THIS INFORMATION AND HOPE THE SURVEY IS OF USE TO THE MEMBERSHIP.

1989 SALARY SURVEY SUMMARY

GOVERNMENT POSITIONS

	DIRECTOR	TOXICOLOGIST	TOXICOLOGY SUPERVISOR	ANALYST
MEAN	59.0 (N=18)	49.9 (N=19)	44.0 (N=18)	33.0 (N=16)
LOWEST REPORTED	43.0	33.8	30.0	16.8
HIGHEST REPORTED	80.2	70.0	63.0	50.0
MAXIMUM ACHIEVABLE	90.0	75.7	64.5	60.0

NON-GOVERNMENT POSITIONS

	DIRECTOR	TOXICOLOGIST	TOXICOLOGY SUPERVISOR	ANALYST
MEAN	68.0 (N=7)	46.0 (N=7)	33.9 (N=9)	26.4 (N=6)
LOWEST REPORTED	42.0	30.0	40.5 (2)	39.5
HIGHEST REPORTED	93.0	65.0	24.9	17.9
MAXIMUM ACHIEVABLE	128.0	65.0	58.0	60.0

ALL RESPONDING LABORATORIES

	DIRECTOR	TOXICOLOGIST	TOXICOLOGY SUPERVISOR	ANALYST
MEAN	61.5 (N=25)	48.8 (N=26)	41.0 (N=27)	31.2 (N=22)



M E M O R A N D U M



DATE: Nov. 2, 1989
 TO: Editors Caplan and Monforte
 FROM: Patricia Mohn-Monforte, ToxTalk
 Publications Editor
 RE: SEPT 1989 TOXTALK - PRODUCTION REPORT

371 issues of the SEPT issue of TOXTALK were mailed 8/31/89

	bulk mail rate (\$.167 ea.)	first class mail
MEMBERS:		
350 Members & applic.	312	16 Canada, 2 Europe
38 Meeting promotion	15	2 Canada, 1 Europe
TOTALS	366 bulk	19 1st class

Extra copies of ToxTalk without inserts mailed to Caplan, Hodnett.

EXPENSES:

\$22.63 1st class post (does not include bulk pre-paid stamps)
 20.00 computer fee (eliminates typesetting)
 255.96 printing (pre-paid by separate SOFT check)
 21.14 insert per Y. Caplan
 41.06 misc.
 553.80 publication editor fees

\$914.59 TOTAL COST not including pre-purchased envelopes and bulk stamps

COMMENTS: This was an 12-page issue with 8 pages dedicated to information on the 1989 annual meeting, a full page on the 1990 slate and candidate profiles, half-page on journal citations, typical last page, president's message, editor's comments, and a variety of announcements. The 4 initial inserts plus a 5th insert added later as well as the number of pages involved required an unusual amount of handling which required additional time. The publication editor fee also reflects the amended rate of \$15 per hour. Membership labels increased by 28!

DECEMBER ISSUE: The abstracts from the 1989 meeting will be inserted in the December issue. We should also include information on the '89 meeting, report on the last board meeting, specific information on the treasurer's plans for dues collection, more Journal Club if available, alcohol consumption study results, survey results, etc. However, none of this has been received so I will contact people. We promised to list new members/address changes - lots of them!! Will we be doing another Directory soon or should we go ahead with the list for December's issue? Can we expect business meeting minutes for this issue or hold off until March? March sounds good.

MARCH ISSUE: Thinking ahead - want to dedicate this to ERA? List past awardees, what some are doing now, list names of people/corporations who have donated, info on how to donate, request corporate support, etc???????

c: J. Monforte, Y. Caplan, N. Hodnett, M. Lewis, *B. Bost*

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