



ToxTalk

The official publication of the **SOCIETY OF FORENSIC TOXICOLOGISTS, INC.**

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SOFT 2002 DEARBORN, MI

Hyatt Regency, Dearborn, MI

October 13 - 17, 2002

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 directly to the **ToxTalk** Editor.

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

NEXT DEADLINE: NOVEMBER 1, 2002

PRESIDENT'S MESSAGE by Laurel J. Farrell, B.A.

Have you made your reservations for Dearborn yet? Don't delay. The deadline for early registration (no late fee) is August 30th, and the hotel is holding the SOFT room block until September 13th. Our meeting hosts, Dan Isenschmid and Brad Hepler, scientific program chair Amanda Jenkins and many of your colleagues have put in countless hours to guarantee that this meeting follows SOFT tradition - excellent Education through the many workshops and presentations of case reports or research, excellent Networking opportunities with colleagues and vendors, and Fun.

SOFT meetings continue to be an excellent value for time and financial investment. Your registration fee is all-inclusive from the Welcome Reception on Monday evening to the final event. I am extending to all SOFT members a personal invitation to the President's Reception on Wednesday night. This will be a great event held at the world-famous Henry Ford Museum and featuring the sounds of a Motown band and plenty of food. The meeting will end on an intriguing note - a "Sherlock Holmes Workshop" - surprise details to be provided at the meeting.

I would like to call your attention to a few SOFT business matters. In this issue of ToxTalk you will find that Secretary Jenkins has provided a copy of the minutes from the 2001 business meeting for your review and subsequent approval at the 2002 meeting. If you have corrections, please contact Dr. Jenkins directly at cccotox@inetmail.att.net

Immediate Past President Dr. Michael Smith and the additional members of the nominating committee, Drs. Joseph Monforte and Fiona Couper, have provided the slate of nominees for the upcoming election. My thanks to this committee for their hard work, and congratulations to those nominated. It is an honor to hold a position as an officer or director of SOFT. Involvement in SOFT begins in the numerous committees. Again, I invite all of you who are waiting to get involved to stop waiting and join a committee of interest!

Before I conclude this message, I would like to acknowledge and extend my appreciation to Drs. Ray Liu, Marilyn Huestis and Bruce Goldberger. These three members, working together, have made it possible for all SOFT members to have electronic access to the recently published Volume 14 of Forensic Science Review which features articles on Effects of Drugs on Human Performance and Behavior, an activity of the Joint SOFT/AAFS Drugs and Driving Committee. The authors, Drummer, Couper, Huestis, Isenschmid, Logan, Marinetti, and Mozayani, put a tremendous effort into these summary articles that are beneficial to all of us. Please personally thank them when you see them.

If you have comments or suggestions on SOFT activities, please contact me. I can be reached by email: laurel.farrell@cdps.state.co.us or give me a call, 303-239-4278.

See you in Dearborn! ☺

SOFT-WEAR AVAILABLE

The Society of Forensic Toxicologists is again offering the following items with the distinctive SOFT logo:

- Polo Shirts: black or white, sizes S to XXL
- Attaché Cases
- Ball Caps

Order forms will be available at the registration desk during the SOFT meeting or contact Robert Zettl by phone: 720-363-9900, fax: 303-795-1654, or e-mail: jrzettl1@msn.com



SOFT 2002
OCTOBER 13-17, 2002
HYATT REGENCY - DEARBORN, MICHIGAN



REVISED PROGRAM

Saturday, October 12, 2002 (Pre-Meeting Events)

8:00 a.m. – 1:00 p.m. NLCP Inspector Training
 2:00 p.m. – 7:00 p.m. CAP Inspector Training
 3:00 p.m. – 9:00 p.m. Registration

Sunday, October 13, 2002

7:00 a.m. – 8:00 a.m. Continental Breakfast
 7:30 a.m. – 5:00 p.m. Registration
 9:00 a.m. – 12 Noon ABFT Examination
 9:00 a.m. – 12 Noon FTCB Examination
 8:00 a.m. – 6:00 p.m. #1: DUID – Research to the Courts
 8:00 a.m. – 12 Noon #2: Pharmacogenomics as an Adjunct for Certifying Drug Toxicity
 12 noon – 6:00 p.m. ABFT Board Meeting
 12 noon – 7:00 p.m. FTCB Board Meeting
 1:30 p.m. – 5:30 p.m. #3: Forensic Toxicological Aspects of Human Growth & Development
 1:30 p.m. – 5:30 p.m. #4: SPE: Scientific Theory and Application in Forensic Toxicology
 7:00 p.m. – 10:00 p.m. NLCP/DOT Lab Directors Workshop

Monday, October 14, 2002

7:00 a.m. – 8:00 a.m. Continental Breakfast
 7:30 a.m. – 5:00 p.m. Registration
 8:00 a.m. – 4:00 p.m. Exhibit Set Up
 8:00 a.m. – 6:00 p.m. #5: Club Drugs and Drug Facilitated Sexual Assault
 8:00 a.m. – 12 Noon #6: Pharmacology, Toxicology of Drugs and the Brain
 8:00 a.m. – 12 Noon #7: Tandem MS/MS – Ion Traps or Triple Quads: How to Decide
 12 noon – 6:00 p.m. SOFT Board Meeting
 1:30 p.m. – 5:30 p.m. #8: Medicolegal Death Investigation
 7:00 p.m. – 9:00 p.m. Welcoming Reception Featuring Microbrews / Snacks
 9:00 p.m. – 11:00 p.m. Nite Owl Reception Sponsored by Cerilliant

MEETING CONTACTS:

Bradford Hepler, Ph.D., DABFT - Co-host
 bhepler@co.wayne.mi.us
 Daniel Isenschmid, Ph.D., DABFT - Co-host
 disensch@co.wayne.mi.us
 Amanda Jenkins, Ph.D., DABC - Science Program Ch.
 cccotox@inetmail.att.net

Tuesday, October 15, 2002

7:00 a.m. – 8:30 a.m. Bob Bost Consultants Breakfast
 7:30 a.m. – 8:30 a.m. Continental Breakfast
 7:30 a.m. – 4:00 p.m. Registration
 8:30 a.m. – 10:00 a.m. ERA Presentations
 9:00 a.m. – 4:00 p.m. Exhibits Open
 9:00 a.m. – 4:00 p.m. Poster Session 1 Open
 10:30 a.m. – 12 noon Poster Session 1 Presenters
 Coffee Break
 12 Noon – 1:30 p.m. Lunch
 1:30 p.m. – 3:30 p.m. General Session 1
 3:30 p.m. – 4:00 p.m. Coffee Break
 4:00 p.m. – 5:30 p.m. General Session 2
 6:00 p.m. – 8:00 p.m. Exhibits Open - Happy Hour with Exhibitors
 8:00 p.m. – 11:00 p.m. Elmer Gordon Dessert Session

Wednesday, October 16, 2002

7:15 a.m. – 8:30 a.m. ABFT Breakfast
 7:30 a.m. – 8:30 a.m. Continental Breakfast
 7:30 a.m. – 4:00 p.m. Registration
 8:30 a.m. – 10:30 a.m. General Session 3
 9:00 a.m. – 4:00 p.m. Exhibits Open
 9:00 a.m. – 4:00 p.m. Poster Session 2 Open
 10:30 a.m. – 12 Noon Poster Session 2 Presenters
 Coffee Break
 12 Noon – 1:30 p.m. Lunch
 1:30 p.m. – 3:30 p.m. General Session 4
 3:30 p.m. – 4:00 p.m. Coffee Break
 4:00 p.m. – 5:30 p.m. SOFT Business Meeting
 7:00 p.m. – Midnight President's Reception at Henry Ford Museum
 (continuous transportation)

Thursday, October 17, 2002

7:30 a.m. – 8:30 a.m. Registration
 7:30 a.m. – 8:30 a.m. Continental Breakfast
 8:30 a.m. – 10:00 a.m. General Session 5
 10:00 a.m. – 10:30 a.m. Coffee Break
 10:30 a.m. – 12 Noon General Session 6
 12 Noon – 1:30 p.m. Farewell Luncheon
 1:30 p.m. – 3:30 p.m. Special Session:
 Sherlock Holmes Workshop
 "The Adventure of the Devil's Foot"
 Moderator: Marina Stajic, Ph.D.
 Panelists: Nick Hodnett, Ph.D.
 Al Poklis, Ph.D.,
 Michael Rieders, Ph.D.
 Vina Spiehler, Ph.D.



NOMINATING COMMITTEE PRESENTS SLATE FOR 2003

The Nominating Committee, consisting of Drs. Michael Smith (Chair), Joseph Monforte and Fiona Couper, presents the following nominations for SOFT officers and additional directors for 2003.

PRESIDENT

Amanda J. Jenkins, Ph.D., D-ABC, D-FTCB

Amanda Jenkins is currently the Chief Toxicologist for the Office of the Cuyahoga County Coroner in Cleveland, Ohio. She is also an Associate Professor in the Department of Pathology, School of Medicine at Case Western Reserve University. Dr. Jenkins received a Bachelor of Science degree in Biochemistry and Physiology from the University of Leeds, England; a Master of Science degree in Forensic Science from Strathclyde University in Glasgow, Scotland; and a Ph.D. in Toxicology from the University of Maryland. Dr. Jenkins' previous positions include working as an Assistant Toxicologist at the Office of the Chief Medical Examiner, State of Maryland, in Baltimore. She conducted her doctoral thesis at the Intramural Research Program, National Institute on Drug Abuse at the National Institutes of Health.

Amanda has served SOFT as a member of the Health and Safety Committee and Membership Committee. She was the scientific program co-chair for the 1996 SOFT annual meeting in Denver, a member of the Board of Directors from 1997 to 1999, Secretary from 2000-2001 and currently serves as vice-president and member of the Drug Facilitated Sexual Assault Committee. She is the scientific program chair for the SOFT Meeting in Detroit this year. She also serves on the Editorial Board of the *Journal of Analytical Toxicology*; is a Laboratory Inspector for the College of American Pathologists FUDT accreditation program; a Fellow of the American Academy of Forensic Sciences Toxicology Section and a member of The International Association of Forensic Toxicologists.

VICE PRESIDENT

Daniel Isenschmid, Ph.D., DABFT

Daniel S. Isenschmid is currently Chief Toxicologist at the Office of the Wayne County Medical Examiner in Detroit. He is also a Clinical Assistant Professor and Adjunct Assistant Professor, respectively, at Wayne State University's School of Medicine and College of Pharmacy and Allied Health Professions. Dr. Isenschmid received his M.S. and Ph.D. degrees in pathology and forensic toxicology, respectively, from the University of Maryland at Baltimore, School of Medicine. Dr. Isenschmid was the recipient of several Educational Research Awards from SOFT and the Irving Sunshine Award from the American Academy of Forensic Sciences for his doctoral research on cocaine. He has published and/or presented numerous papers on various topics in forensic toxicology.

Dr. Isenschmid is an Inspector for the National Laboratory Certification Program and the College of American Pathologists. He served as a member of the Drug Testing Advisory Board (DTAB) for SAMHSA from 1997 - 2001. He is a member of the Society of Forensic Toxicologists for which he is currently Treasurer, and is a Fellow of the American Academy of Forensic Sciences and is currently serving on its Board of Directors. Dr. Isenschmid is a Diplomate and Secretary of the American Board of Forensic Toxicology.

(Slate 2003 continued next page . . .)

AN INVITATION FROM ToxTalk EDITOR MONFORTE

As editor of ToxTalk for a number of years now, I have developed my personal goals for ToxTalk:

- ◆ Reflect the interests of the membership
- ◆ Provide information as required in the bylaws
- ◆ Distribute the quarterly newsletter in a timely manner

None of the above would be possible without the regular contributions of the **ToxTalk** Editorial Staff (Dan Anderson, Don Kippenberger, Vince Papa and Chip Walls) as well as a few interested members who have contributed occasional materials. Thank you all - **ToxTalk** would not exist without you.

HOWEVER, what would YOU like to see printed in YOUR newsletter? How can you contribute?

I am asking each member of SOFT to consider submitting items for publication. Case notes need not be lengthy, and we edit profusely so don't worry about grammar and syntax.

E-mail all materials to me at DrMonforte@aol.com

TREASURER
Timothy Rohrig, Ph.D., DABFT

Dr. Rohrig is currently Director, Forensic Science Laboratories and Chief Toxicologist at the Regional Forensic Science Center, Sedgwick County, Kansas. Prior to joining the Center he was Director of Laboratories at the Center for Forensic Sciences, Onondaga County, NY. Dr. Rohrig was previously, Vice President and Director of Toxicology of Osborn Laboratories, Chief Toxicologist and Laboratory Director for the Office of the Chief Medical Examiner, State of Oklahoma. During his tenure in Oklahoma, he was a consultant to the Oklahoma State Bureau of Investigation Crime Laboratory. Other previous positions include Toxicologist for the Office of the Chief Medical Examiner, State of West Virginia and Chief Toxicologist for the Kansas Bureau of Investigation's Forensic Science Laboratory.

Dr. Rohrig holds the academic position of Clinical Assistant Professor of Pathology at the University of Kansas School of Medicine-Wichita. He was previously a Clinical Assistant Professor of Pathology at SUNY Health Science Center at Syracuse, NY and an Adjunct Assistant Professor of Pharmacology and Toxicology at the University of Oklahoma, Health Sciences Center-College of Pharmacy.

Dr. Rohrig holds a Bachelor of Science degree in Chemistry, a Doctorate with an emphasis in Pharmacology/Toxicology, and is board certified by the American Board of Forensic Toxicology. Dr. Rohrig also holds a New York State Laboratory Director License. He serves as a Laboratory Inspector and Team Leader for the U.S. Government's National Laboratory Certification Program. Dr. Rohrig has authored over fifteen peer-reviewed articles and given numerous scientific oral presentations in the field of toxicology.

Dr. Rohrig is a longtime member of SOFT where he currently serves as a Director. Additional affiliations include a Fellow of the American Academy of Forensic Sciences, a member of several other professional organizations, including the International Association of Forensic Toxicologists and the Wichita Area SANE/SART Steering Committee. He was previously a member and Vice Chair of the New York Crime Laboratory Advisory Committee.

Dr. Rohrig's current research interests include postmortem distribution of drugs, interpretive postmortem toxicology and the effects of drugs on human performance.

DIRECTOR
Christine Moore, Ph.D., DABCC

Christine Moore, Ph.D. is currently the Laboratory Director of U.S. Drug Testing Laboratories, Des Plaines, IL, a company specializing in the analysis of drugs in various biological tissues including meconium, hair, urine, blood and nails. Dr. Moore has a Bachelor of Science (Honours) degree in Applied Chemistry from the University of Salford, England (1985), a Master of Science degree in Forensic Science from the University of Strathclyde, Scotland (1986), and a Ph.D. in Forensic Toxicology from the University of Glasgow, Scotland (1989). Additionally, she is a Diplomate of the American Board of Clinical Chemistry (DABCC).

Following a post-doctoral year at the University of Nagoya, Japan, Dr. Moore served as a Research Associate at the University of Illinois at Chicago. From 1992 to 1994 she was employed by United Chemical Technologies, PA, a company specializing in the manufacture of solid-phase extraction cartridges, as Technical Services Manager. In March, 1994 she joined U.S. Drug Testing Laboratories where she is still employed. Dr. Moore has published over 50 research articles in peer-reviewed journals. She has presented her research at national and international conferences and has participated in, and coordinated workshops on alternative matrices for drug testing, analytical instrumentation and hair analysis.

Christine is a member of the American Academy of Forensic Sciences, the Society of Forensic Toxicologists, the International Association of Toxicologists, the American Association of Clinical Chemistry, the Research Society on Alcoholism, the Society of Hair Testing, the Southwestern Association of Toxicologists, the American Chemical Society and the Royal Society of Chemistry. Additionally, she is vice-president of the Mid-West Association for Toxicology and Therapeutic Drug Monitoring and Vice-Chair of the Joint Committee for Education and Training in Toxicology.

Dr. Moore is currently an Assistant Clinical Professor in the Department of Medical Laboratory Sciences at the University of Illinois at Chicago, a Laboratory Inspector for the College of American Pathologists and has provided expert testimony in court martial proceedings of the United States Air Force. ☞

IMPORTANT MEETING DEADLINES

8/30: Early registration deadline (postmark or fax)
Last date for partial refund
9/13: Late registration deadline by mail (postmark)

9/13: Hotel reservation cut-off
Powerpoint submission cut-off date
10/01: Late registration deadline by fax

DRUGS IN THE NEWS

BOTOX PARTIES – A NEW DRUG TREND ?

Submitted by Vincent M Papa, Ph.D., Air Force Drug Testing Laboratory, Brooks AFB, Texas 78258

Botox is a very weak solution of bacterial toxin which, when injected into a muscle, causes paralysis that can last 3-4 months. Traditionally, Botox, consisting of a small dose of the *Botulinum Toxin*, has been used to treat involuntary twitching of the eyes.

Recently, the FDA approved the use of Botox for cosmetic purposes. An interested party is presented with a quick lecture on the risks involved with this procedure. The injections, costing as much as \$500 each, smooth wrinkles by paralyzing underlying facial muscles. The most severe risks include long-lasting migraine headaches. One of the concerns with Botox is creation of the "Botox mask" – a face that is flat and expressionless. ☹

SALVIA DIVINORUM (SD) [from a website]

Submitted by Donald Kippenberger, Ph.D.

Salvia divinorum (SD) is a type of sage plant grown in Mexico which can cause intense hallucinations, out-of-body experiences and, when taken in higher doses, unconsciousness and short-term memory loss. Users have also reported sensations of traveling through time and space, assuming the identities of other people and even merging with inanimate objects. Salvia divinorum usually makes those who take it more introverted. Its active ingredient is Salvinorin A and it is also known as ska Maria Pastora and diviner's sage.

A neurologist stated that "It is really in a class by itself." It does not appear to work on the neurotransmitter systems of the brain. SD can be smoked, chewed or brewed into an intoxicating tea. Its harsh smoke, bitter taste and relatively short-term effects — it lasts about an hour — also keep it from being truly user-friendly.

Its effect does not make it a popular drug for parties, unlike Ecstasy or LSD, as it is a rather unsociable drug. It was reported that only about 1 of every 10 users repeats his SD experience. ☹

TECHNICAL NOTES

Keith Williams, a colleague from the United Kingdom, recently reported at the annual U.S. Department of Defense Tri-Service Meeting that several urine samples have been found to contain 6-acetyl morphine with no other opiate detected. Methodology and cut-offs are identical to those mandated by the NLCP. The concentrations of 6-acetyl morphine ranged from 60 to 600 ng/ml. If anyone has experienced this unusual finding, please share the information with ToxTalk. ☹

HAVE YOU MADE YOUR HOTEL RESERVATIONS FOR THE SOFT MEETING?

**Contact the Hyatt Regency Dearborn
by link through the SOFT website at www.soft-tox.org (web "Group" identity is G-SOFT)
or call 1-313-593-1234 and request the "Society of Forensic Toxicologists" group rate.
The group rate deadline is September 13th.**

CASE NOTES

Toxicological aspects after the enjoyment of Bolivian Herbal Coca Tea

Submitted by Donald Kippenberger, Ph.D.

Coca Tea is legally marketed and exported in South America. In contrast, it is illegal to import these products to European countries, such as Switzerland. The Institute for Forensic Medicine were given several hundred bags of Mate Windsor "Mate de Coca", which had been brought into Switzerland from Bolivia by holiday travelers who were unaware of the illegality of this act.

Quantitative Examination of Herbal Tea Bag:

The herbal tea bags and the steeped tea were analyzed by GCMS using a HFIP/PFPA derivative. In addition to cocaine, cis and trans cinnamoylcocaine as well as ecgoninemethylester were detected. Five tea bags were individually extracted twice with 70 ml methanol. The cocaine content in the extracts was determined by GC FID. The tea bags weighed 850 grams. The average total cocaine extracted in the two extracts was $5.7 + 0.9 = 6.6$ mg. This represents 0.77% of the tea bag weight. The 6.6 mg of cocaine in the tea bags is clearly higher than levels previously reported in the literature in similar herbal tea products.

The steeped tea was evaporated quickly to dryness in a rotating evaporator, and the cocaine concentration was determined using GC FID. It was determined that the cocaine concentration in the steeped tea decreased over time. After steeping 15 minutes, the tea contained approximately 2.9 mg of cocaine; while 4-5 hours after tea preparation, 1.8 mg of cocaine were found; and, finally, after 3 weeks the cocaine concentration dropped to 0.7 mg. Additionally, 5.3 mg of BE were also detected. No BE determinations were made for the 15 min and 4-5 hour teas.

Urinalysis:

Two subjects drank 1 cup of tea prepared with 1 tea bag 10 minutes after preparation. They, therefore, ingested approximately 3 mg of cocaine. The urine of these subjects was collected over 2 days and tested by the Online, Cedia and FPIA immunoassays. Assays were performed as directed by the manufacturer.

Between 26 to 32 hours post injection, all three assays showed that the tea caused positive BE levels in urine exceeding the 300 ng/ml cutoff level. If the concentration of BE is divided by the concentration of creatinine, that ratio never exceeded a level of 300 for any sample tested. The first urine samples collected from the subjects 1 hour after drinking the tea found traces of cocaine by solid phase extraction and LCMS.

Blood collected from the subjects 1 and 8 hours after drinking was tested for cocaine and BE by GCMS. The values are shown below.

	After 1 hour (ug/L)		After 8 hours (ug/L)	
	Cocaine	BE	Cocaine	BE
Subject one	nd	85	nd	55
Subject two	nd	72	nd	33



CALL FOR CASE NOTES

We need your contribution! This need not take much time.

Your case note should be about 1/2 page in length, no more than a full page.
Material and/or a disk (arial font, size 10, Microsoft Word 6.0 preferred) may be submitted to:

Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor **e-mail: DrMonforte@aol.com**

Other items of interest to SOFT members are also welcome.

ERA COMMITTEE ANNOUNCES AWARDEES

Dr. Barbara Manno, chair of the Educational Research Awards Committee, announced the awardees for 2002, as listed below.

Riet Dams, Ph.D., National Institute on Drug Abuse, 5500 Nathan Shock Drive, Baltimore, MD, 21224, USA, and Laboratory of Toxicology, Ghent University, Harelbekestraat 72, B-9000 Ghent, Belgium.

An LC-APCI-MS/MS method for oral fluid and urine to monitor maternal drug in a clinical in-utero drug exposure study. Dams R., Murphy C., Choo R., Lambert W., and Huestis M.*

Paul J. Jannetto, Ph.D., Milwaukee County Medical Examiner's Office and Department of Pathology, Medical College of Wisconsin, Milwaukee, WI, USA

Pharmacogenetics as molecular autopsy for forensic toxicology: Genotyping oxycodone cases for cytochrome P450 2D6. Paul J. Jannetto, Steven H. Wong,* Susan B. Gock, Elvan Laleli-Sahin, B. Charles Schur, and Jeffrey M. Jentzen.

Laureen J. Marinetti,* Ph.D. Candidate, Department of Pharmaceutical Sciences, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, 259 Mack Avenue, Detroit, MI, 48202 USA

The pharmacological characterization of gamma valerolactone (GVL) in rats as compared to gamma hydroxybutyric acid (GHB), gamma butyrolactone (GBL) and ethanol (EtOH). Laureen J. Marinetti and Randall L. Commissaris.

Brandy G. Yglesias, M.S. Program, University of Texas Health Science Center at San Antonio, TX, USA

Enantiomer profile of amphetamine and methamphetamine derived from famprofazone. Brandy Yglesias, Sandra Valtier and John T. Cody.*

* = SOFT member

ERA REMINDER: The Educational Research Awards are presented annually. Start considering your nominations and preparing the required paperwork now. For details, contact Dr. Barbara Manno by e-mail at BManno@lsuhsc.edu

SOFT WEB SITE ACCESS

Visit the SOFT web-site at www.soft-tox.org for the latest information on items of interest to SOFT members. Web Master Bruce Goldberger welcomes comments. To gain access to SOFT's on-line membership directory and drugs and driving pages, you must type the user name: **drugs** and password: **#cocaine!**

If you did not receive the e-mail "A Message from SOFT" dated 8/12/02, you must contact the Web Master directly (bruce-goldberger@ufl.edu) to be placed on the SOFT broadcast list. ☹

PROF. EMERITUS ROBERT F. BORKENSTEIN 1912 - 2002

Prof. Borkenstein, the inventor of the "Breathalyzer," died on August 10th in his Indiana home, just a few weeks shy of his 90th birthday. His contributions to alcohol research and traffic safety afforded him worldwide acclaim and will be long remembered.

Condolences to his family, friends and colleagues. ☹

**Annual Business Meeting Minutes
of the
Society of Forensic Toxicologists, Inc.**

October 3, 2001

The Annual Business meeting of the Society of Forensic Toxicologists, Inc., (SOFT) was held on October 3, 2001 in New Orleans, LA. President Michael Smith, Ph.D. called the meeting to order at 3:35 p.m. and requested that the Secretary establish a quorum. Upon a motion duly made, seconded and passed, the agenda was approved with no corrections. By a motion duly made, seconded and passed, the minutes of the annual business meeting of the Society of Forensic Toxicologists, Inc., of October 4, 2000, as published in ToxTalk, were approved by acclamation.

President's Report: Michael L. Smith, Ph.D.: President Smith thanked the members of SOFT for their support in the aftermath of the September 11 terrorist attacks. He made the observation that many were in disbelief about what had happened and suggested that we should all continue with life as individuals, toxicologists and as a society. He questioned what our role as toxicologists should be in any response, noting that much of the world's heroin is produced in Afghanistan. In conclusion, Dr Smith thanked the Board for their hard work and Tinsley Preston, Dr Rohrig and colleagues for the SOFT JAT Special Issue.

Secretary's Report: Amanda J. Jenkins, Ph.D.: Secretary Jenkins thanked the Society for the opportunity and privilege of serving as Secretary.

Treasurer's Report: Daniel Isenschmid, Ph.D.: Treasurer Isenschmid reported that SOFT is in good financial condition with assets totaling over \$222,000. These assets included \$25,000 in permanent reserve and an ERA Fund Balance of \$90,181.90. The Treasurer noted that there were 2 ERA awards in 2001. In addition to the awards, the publishing costs for the SOFT Special Issue of JAT were met from the ERA fund. Therefore, the Society had \$107,098.11 in available funds.

Vice President's and Committee Reports: Laurel Farrell, B.A.: Vice President Farrell called on the committee chairs to give their reports:

A. Bylaws, Yale Caplan, Ph.D.: A draft amendment to the Bylaws was published in ToxTalk regarding the Ethics committee. Dr Caplan made a motion that the bylaws be approved by the Society as published. The amendment was approved by acclamation.

B. Budget, Finance, & Audit, Ruth Winecker, Ph.D.: Dr Winecker reported that the Treasurer's report from Jan 1,- August 31, 2001 was reviewed by the

committee and found to be clear, concise and in good order.

C. Membership, Amanda Jenkins, Ph.D.: Dr Jenkins informed the membership that the current committee members were Daniel Anderson, Glynn Chaney, Dr Michael Baylor and herself as Chair. Membership in SOFT totaled 610 with 455 full members, 94 Associate, 19 Charter, 17 Retired Charter, 13 Retired, and 12 student members. Secretary Jenkins stated that between Jan 1-Oct 1 there was action on 37 applications. New members were recognized by the meeting attendees. Dr Jenkins also stated that in the past year 21 members were removed from membership due to non-payment of dues. She reinforced to members the need to notify the office in Arizona about address changes as Ms. Fulmer maintains the database. Dr Jenkins stated that the reinstatement application form has been amended. The Board approved amendments which require the applicant to initial beside the questions and provide justification for reinstatement.

A request from Dr Pinder that Charter members be recognized with a permanent listing in the membership directory was approved by the Board. A list of Charter members will be compiled and verified before being added to the directory. The Charter members present were recognized by the attendees.

D. Nominating, J. Robert Zettl, M.P.A.: Mr Zettl stated that the committee had selected the following individuals for SOFT office for 2002: President-Laurel Farrell, B.A.; Vice President-Amanda Jenkins, Ph.D., Secretary- Graham Jones, Ph.D., Board of Directors-Rod McCutcheon, B.S., Anthony Costantino, Ph.D. and Michael Baylor, Ph.D.

E. ToxTalk, Joe Monforte, Ph.D.: Dr Monforte thanked the editorial Board. New contributors would be listed in the next issue. Dr Goldberger developed a mechanism for publishing ToxTalk on the web-site. He reminded members to provide the SOFT Administrative Office with changes of address not the publishers of ToxTalk.

F. Publication (JAT), Tim Rohrig, Ph.D.: Dr Rohrig stated that he and his colleagues had received more than 30 articles for publication. He thanked the reviewers, contributors, and Mr Tinsley Preston of Preston Publications. Mr Preston presented plaques to Drs Rohrig, Moore, Negrusz and Presley (in absentia) in recognition of their work.

G. Education Research Award, Barbara Manno, Ph.D.: Dr Manno reported that the committee had received 4 applications. Awards were bestowed on two individuals, Robert Kronstrand and Edward Carter. The award consisted of meeting registration fee waiver and \$1000, to be used to offset travel expenses to attend the meeting. Due to the events of Sept. 11, 2001, Robert Kronstrand was unable to attend the current meeting and therefore, would give his presentation at the 2002 meeting. The certificates were presented by President Smith. Dr Huestis accepted the award for Edward Carter and Dr Jones agreed to transport the award for Robert Kronstrand.

H. Meeting Resource Committee, Laurel Farrell: Ms. Farrell noted that the committee was to explore the possibility of long term contracts with vendors. She thanked Lisa O'Dell for her hard work with the vendors.

2001 Host Pat Pizzo stated the meeting had 550 registrants with 907 workshop participants and 54 exhibitor booths. President Smith presented a plaque and a gift to Ms. Pizzo in recognition of her work as host of the annual meeting.

2002 Co-Host Brad Hepler, Ph.D. stated the meeting will be held October 13-17, 2002, Sunday-Thursday in Dearborn, MI. There will be a reception at the Henry Ford museum. Dr Jenkins, the Scientific Program Chair, stated abstracts should be sent to her by mail or email. The deadline is June 1. Details about audiovisual capabilities will be provided on the abstract form. She requested a one page proposal by October 31, 2001 from any individual interested in conducting a workshop. Dr Jenkins stated that anyone interested in helping with the program as abstract reviewers, session moderators, should contact her.

Ms. Farrell then read the future meeting sites and hosts:

2003	Portland, OR-Johnson
2004	Washington, DC-LeBeau, Montgomery, Jufer, JOINT with TIAFT
2005	Nashville, TN-Kuykendall
2006	Austin, TX-Rod McCutcheon
2007	Chapel Hill, NC-Winecker/Ropero-Miller

I. Laboratory Guidelines, Graham Jones, Ph.D.: Dr Jones reported that several changes had been made to the guidelines. The new document will be posted. SOFT and the Toxicology Section of AAFS must approve the changes by vote.

J. Drugs and Driving Committee, Laurel Farrell, BA: Ms Farrell reported that there were currently more than 40 members on the committee. She stated that the committee directed the publishing of the drug monographs in *Forensic Science Review*. The monographs have formed the basis of a 2 day course to be held in March 2002 on the effects of drugs on driving. Dr Barry Logan is the course co-ordinator. The committee also focussed on workshops and co-chaired the Alcohol workshop at the current meeting and was hosting a one-half day workshop at the AAFS meeting in 2002 and a one day workshop at SOFT 2002.

K. Policies and Procedures, Dwain Fuller, B.S.: The committee comprised William Anderson, Ph.D., Marilyn Huestis, Ph.D., and Dwain Fuller, B.S. A searchable database has been compiled and will be emailed to the Board for review.

L. Web-site, Bruce Goldberger, Ph.D.: Dr Goldberger stated that there have been 12,196 hits to the home page from April 1-June 30, 2001 with more than 320,000 hits to the entire site. There were approximately 25,000 user sessions averaging more than 4 min. The most requested pages were the employment exchange, laboratory guidelines and Toxilinks. Dr Goldberger stated the Board approved publication of the drug monographs and ToxTalk on the web-site. The site also now has Broadcast capability. Dr Goldberger intended to add a place on the site for members to update their demographic information. He would then forward the information to the Administrative office.

M. Continuing Education Committee, Jennifer Limoges, M.S.: The intent of this committee was to provide a high quality education opportunity for members at the local level. To date the committee has organized 3 seminars on the chemistry of derivatization with more than 175 attendees. The committee is currently planning a seminar on antidepressants.

N. Drug Facilitated Sexual Assault Committee, Marc LeBeau, MS.: Marc LeBeau stated that the objective of the committee was to educate fellow scientists, investigators, medical personnel and law enforcement. The committee organized a workshop at the AAFS meeting in 2001 and would be conducting a workshop on GHB at the AAFS meeting in 2002.

O. Ethics Committee, President Smith: President Smith stated the Board determined that SOFT needed an ethics statement on the membership application form. The committee would be looking into this in the coming year.

Liaison Reports: President Smith

ABFT, Yale Caplan, Ph.D.: Dr Caplan reminded members that SOFT is a sponsoring organization of the ABFT. ABFT has several programs including certification of forensic toxicologists at all degree levels. The organization produces a newsletter and brochures describing these programs. The ABFT has a laboratory accreditation program and he encouraged laboratories conducting postmortem and human performance testing to seek accreditation. The ABFT has representation on FSAB and would be seeking certification from this body. Dr Caplan stated that the ABFT Board had modified its nominating process beginning in 2002. Instead of nominations to serve on the Board from individual organizations, a nominating committee will be formed to perform this task.

AAFS, Brad Hepler, Ph.D.: Dr Hepler stated that the Steering Committee would meet at 5.00 p.m. today.

Unfinished Business,

President Smith: President Smith asked for any unfinished business. There was no unfinished business from the members.

New Business, President Smith

Awards and Recognition: President Smith thanked the outgoing officers of SOFT and presented each of the following individuals with a plaque-Graham Jones, Ph.D., Board of Directors; N.G.S. Rao, Ph.D., Board of Directors (in absentia); Amanda Jenkins, Ph.D., Secretary; and Laurel Farrell, B.A., Vice President.

Nominations and Elections: No nominations for SOFT officers were received from the floor. A motion was made and seconded that nominations be closed. All officers were elected by acclamation as presented by the Nomination Committee. The newly elected 2002 SOFT officers and directors are as follows:

President-Laurel Farrell, B.A.
Vice President- Amanda Jenkins, Ph.D.
Secretary- Graham Jones, Ph.D.
Director- Michael Baylor, Ph.D.; Anthony Costantino, Ph.D.; Rod McCutcheon, B.S.

Laurel Farrell presented outgoing President Smith with a commemorative plaque on behalf of the members in recognition of his service to SOFT.

Incoming President's Remarks:

The newly elected President Farrell stated that the guest editor for the next SOFT JAT Special Issue is Rod McCutcheon.

Ms. Farrell stated that the strength of SOFT is in the work of its committees but there are other ways of sharing information. Ms. Farrell encouraged members to share information with colleagues. For when participating in meetings, workshops, helping a colleague solve an analytical problem, or providing a reference the members are upholding the ideals of SOFT. She concluded that she was honored to become the President of this well respected organization.

Adjournment: The meeting was adjourned at 5.04 p.m.

Respectfully submitted,
Amanda J. Jenkins, Ph.D., SOFT Secretary, 2000-2001

Subject to approval at the 2002 SOFT Annual Business Meeting

(NOTE: Reformatted by ToxTalk publisher) ☺

If you have any additions, corrections or amendments to these minutes, please contact 2000-01 SOFT Secretary Amanda Jenkins directly by e-mail at cccotox@inetmail.att.net

BY-LAWS REMINDER:

ONLY FULL (includes Charter) MEMBERS OF SOFT MAY VOTE AT THE ANNUAL MEETING

ELMER GORDON OPEN FORUM AN OPPORTUNITY FOR INFORMAL DIALOGUE

CONGRATULATIONS TO TOM MANNING, ED BRIGLIA, AND CHARLIE WINEK who have recently or will soon be retiring from public service. Hey guys, now you'll have more time to get involved with SOFT!!!

WHERE'S RAO? If anyone has current contact information for Dr. Rao, please send to Editor Monforte. Thanks.

PLEASE SEND ALL DECEMBER TOXTALK MATERIALS BY E-MAIL: DrMonforte@aol.com Your ToxTalk editor and publisher have become frequent guests of the Cleveland Clinic and are spending an undetermined amount of time in Ohio. Joe will have long-overdue knee replacement surgery on September 10th, and Pat is undergoing various treatments from her infamous auto accident. You can hear all the gory details at the SOFT meeting. ☺

**Bring your comments, questions and solutions to the SOFT Annual Meeting
ELMER GORDON DESSERT SESSION Tuesday - October 15th: 8 to 11 p.m.**

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 person who submitted it confirms the information. If you have a job position available, e-mail **ToxTalk** Editor Monforte at DrMonforte@aol.com.

Broward County (Fort Lauderdale, FL) Medical Examiner's Office has the following positions:

Toxicologist I (\$35,722.00 - \$55,442.00)

Toxicologist II (\$46,871.00 - \$72,746.00)

Laboratory Technician (\$22,653.70 - \$36,038.70)

Medical-Legal Investigator I (\$28,998.53 - \$46,132.32)

Applications are accepted during open announcement periods only. For these announcement periods and additional information, please access our website for weekly updates at www.broward.org/careers or our 24-hour jobline (954)357-JOBS.

National Medical Services (NMS) is seeking a **laboratory director, forensic toxicologist and general manager** for its new tox lab in Alameda, CA. Requirements include Ph.D. in tox or related field, board certified or eligible, 5 yrs management experience in forensic tox. Responsibilities include operation of the lab (screening, confirmation and quantitation by GC, GC/MS, HPLC and LC/MS), technical and administrative leadership, post-mortem tox experience (review/certify analytical tox cases and courtroom testimony), and full P&L responsibility. NMS provides clinical and forensic services, including toxicology and testing to various markets and has just expanded to include full DNA and serology capability. For further information, contact Marisa Buccini by e-mail at hr@nmslab.com

Employment opportunities are also listed on the SOFT website. For more information, go to www.soft-tox.org ☞

PROFESSIONAL CALENDAR

SOFT MEETINGS: OCTOBER 13-17, 2002 - Detroit, MI - Dan Isenschmid /Brad Hepler

2003 - Portland, OR - Kent Johnson

2005 - Nashville, TN - Louis Kuyendall

2004 - Washington, D.C. - LeBeau, Montgomery, Jufer

2006 - Austin, TX - Rod McCutcheon

(JOINT with TIAFT)

2007 - Chapel Hill, NC - Winecker/Roper-Miller

TIAFT 40th international Meeting: August 26-30, 2002, Paris, France. For more information, go to www.tiaft.org

International Association Of Forensic Sciences: September 2-7, 2002, Montpellier, France. Information by e-mail: algcsi@mnet.fr

Northeastern Association of Forensic Scientists: Nov. 4-7, 2002, Atlantic City, NJ. Contact Christopher Huber, NEAFS Pres-elect at 609-671-0022 or e-mail NO11HUBERC@gw.njsp.org

Borkenstein Course on Alcohol, Drugs and Highway Safety. . . : December 1-6, 2002 and May 18-23, 2003, Indiana University. For details contact Darlena Lindsay at 812-855-1783 or dlindsay@indiana.edu

Canadian Society of Forensic Science - 50th Anniversary: Forensic Science: Public or Private Enterprise, March 24-29, 2003, Vancouver, BC, Canada. Contact: www.csfs.ca

8th International Congress of Therapeutic Drug Monitoring & Clinical Toxicology: September 7-22, 2003, Basel, Switzerland. Contact www.ictdmet2003.ch

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

Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, by e-mail at DrMonforte@aol.com

8-14-02 Pat



**SOCIETY OF FORENSIC
TOXICOLOGISTS**

2002 ANNUAL MEETING

**HYATT REGENCY
DEARBORN, MICHIGAN**

OCTOBER 13-17, 2002

**PRELIMINARY PROGRAM
CALL FOR ABSTRACTS
REGISTRATION FORM**

Tuesday, October 15, 2002

7:00 a.m. – 8:30 a.m. Bob Bost Consultants Breakfast
7:30 a.m. – 8:30 a.m. Continental Breakfast
7:30 a.m. – 5:00 p.m. Registration
8:30 a.m. – 10:00 a.m. General Session 1
9:00 a.m. – 4:00 p.m. Exhibits Open
10:00 a.m. – 10:30 a.m. Break
10:30 a.m. – 12 Noon General Session 2
12 Noon – 2:00 p.m. Lunch, Visit Vendors and Posters
9:00 a.m. – 4:00 p.m. Poster Session 1 Open
1:00 p.m. – 2:00 p.m. Poster Session 1 Presenters
2:00 p.m. – 3:30 p.m. General Session 3
3:30 p.m. – 4:00 p.m. Break
4:00 p.m. – 5:30 p.m. General Session 4
6:00 p.m. – 8:00 p.m. Exhibits Open - Happy Hour with Exhibitors
8:00 p.m. – 11:00 p.m. Elmer Gordon Dessert Session

Wednesday, October 16, 2002

7:15 a.m. – 8:30 a.m. ABFT Breakfast
7:30 a.m. – 8:30 a.m. Continental Breakfast
7:30 a.m. – 5:00 p.m. Registration
8:30 a.m. – 10:00 a.m. General Session 5
9:00 a.m. – 4:00 p.m. Exhibits Open
10:00 a.m. – 10:30 a.m. Break
10:30 a.m. – 12 Noon General Session 6
12 Noon – 2:00 p.m. Lunch, Visit Vendors and Posters
9:00 a.m. – 5:00 p.m. Poster Session 2 Open
1:00 p.m. – 2:00 p.m. Poster Session 2 Presenters
2:00 p.m. – 3:30 p.m. General Session 7
3:30 p.m. – 4:00 p.m. Break
4:00 p.m. – 5:30 p.m. SOFT Business Meeting
7:00 p.m. – Midnight President's Reception at Henry Ford Museum

Thursday, October 17, 2002

7:30 a.m. – 8:30 a.m. Continental Breakfast
7:30 a.m. – 12 Noon Registration
8:30 a.m. – 10:00 a.m. General Session 8
10:00 a.m. – 10:30 a.m. Break
10:30 a.m. – 12 Noon General Session 9
12 Noon – 2:00 p.m. Lunch
2:00 p.m. – 4:00 p.m. Special Session: Sherlock Holmes Workshop
"The Adventure of the Devil's Foot"
Moderator: Marina Stajic, Ph.D.
Panelists: Nick Hodnett, Ph.D., Al Poklis, Ph.D., Michael Rieders, Ph.D.
Vina Spiehler, Ph.D.



SOFT 2002
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HYATT REGENCY – DEARBORN, MICHIGAN



WORKSHOP PROGRAM ABSTRACTS

Workshop # 1 – Sunday, October 13, 2002

8:00 a.m. – 6:00 p.m.

DUID - From Research to the Courts

Co-Chairs: Laurel Farrell, B.A., J. Robert Zettl, B.S., M.P.A

This full day workshop will focus on two aspects of DUID cases. Opening remarks, provided by NHTSA, will outline their involvement in DUID programs and research.

The first area of focus will be driving research studies. We will look at both driving simulator and on-the-road research studies. Two researchers will present the components of driving, how their protocols measure performance and if these performance measures are adequate to determine drug impairment. Both will present an overview and summary of results for all studies completed at their facilities and then they will each take one study and go through it in detail. Lastly, they will provide information on future projects.

The second area of focus will be successful prosecution of a DUID case. A prosecutor will review the current DUID statutes, United States and other countries, and pertinent case law in the area of DUID. "What do prosecutors really need to know to successfully prosecute a DUID?" This will be delineated with information provided on formal training available to prosecutors, how toxicologists can get more involved in this training in their states, and how to best provide the informal training many of us do for prosecutors in each case we are involved in. We will also have a representative from the National Judicial College to provide information on the training available to judges.

Workshop # 2 – Sunday, October 13, 2002

8:00 a.m. – 12 Noon

Pharmacogenomics as an Adjunct for Certifying Drug Toxicity in Forensic Toxicology

Chair: Steven Wong, Ph.D.

Pharmacogenomics is an emerging clinical discipline that attempts to correlate drug dose and response to the genomics of the drug metabolizing enzyme and receptors of individual patients. In forensic toxicology genotyping drug metabolizing enzymes may serve as a useful adjunct for assessing drug toxicity. This introductory workshop will establish the basis of molecular biology, and introduce the principles of pharmacogenetics. This information will serve as the basis for assessing the usefulness of pharmacogenomics in deaths involving drugs utilized in psychiatry, addiction, and pain management.

Workshop # 3 – Sunday, October 13, 2002

1:30 p.m. – 5:30 p.m.

Forensic Toxicological Aspects of Human Growth and Development

Chair: Michael Corbett, Ph.D.

This workshop will discuss the impact of age with respect to forensic toxicology. Infants, young children and the elderly vary in pharmacokinetic parameters compared with most adults. Differences in external environments of these individuals such as access to drugs also impact the likelihood of drug detection. Pharmacological and external factors affecting drug detection during growth and development will be delineated.



SOCIETY OF FORENSIC TOXICOLOGISTS
2002 ANNUAL MEETING
HYATT REGENCY - DEARBORN, MI
OCTOBER 13-17, 2002

WELCOME!

We look forward to seeing you at the 2002 Annual Meeting of the Society of Forensic Toxicologists at the newly renovated Hyatt Regency in Dearborn, Michigan conveniently located between the Metropolitan Wayne County Airport and Downtown Detroit. The meeting will feature workshops on Sunday and Monday and scientific sessions Tuesday through Thursday. As you will notice in the preliminary program, the meeting will be virtually all-inclusive. Continental breakfast will be available daily, and lunches will be provided on Tuesday through Thursday. In addition there will be a welcoming reception and a reception with the exhibitors. Finally there will be a gala President's reception Wednesday evening at the remarkable Henry Ford Museum featuring genuine Motown entertainment!

Weather

You will need your camera, as you will be visiting the Detroit area at or near peak fall foliage. The weather in October is pleasant with mild days around 60°F and cool, crisp evenings around 40°F.

Hotel Accommodations

Reservations (\$120 single/double + tax) may be made on-line through the link on the SOFT web-site www.soft-tox.org Select your desired arrival and departure dates and type G-SOFT in the Group / Corporate space to obtain the group rate on-line. You may also call the hotel directly at 1-313-593-1234. To obtain the group rate, you must tell the reservations agent that you are with the Society of Forensic Toxicologists. The deadline for the special SOFT rate is Friday, September 13, 2002.



IN FAIRLANE TOWN CENTER

Airport

You will be flying into Detroit Metropolitan Wayne County Airport (DTW). There is no hotel shuttle from the airport, but there is a wide variety of ground transportation available including shuttle vans, taxis and limousines. There are Ground Transportation booths available to assist you in the baggage claim areas. You can obtain most of the airport information you will need at www.metroairport.com If you arrive on Northwest Airlines you will be arriving in the spectacular new \$1.2 billion Edward H. McNamara Terminal (opening February 24, 2002). For Northwest Airlines reservations and information about the new airport visit Northwest Airlines on the web at www.nwa.com

Things to Do

There is much to see and do in the metropolitan Detroit area. For additional information visit www.visitdetroit.com Although a rental car is not necessary at the meeting, a rental car is recommended if you plan to do extensive sightseeing. A car rental desk is available in the Hyatt Hotel Lobby. Hotel parking is complimentary. A concierge is also available at the hotel to assist you in making local arrangements. There are several restaurants and a large shopping mall within walking distance of the hotel. You may preview the shopping mall at www.shopfairlane.com If your schedule allows your visit to extend beyond the metro area information may be found at www.michigan.org Finally, don't forget to look at the web-site of the Henry Ford Museum where our President's reception will be held by clicking the following link www.hmgv.org

WE LOOK FORWARD TO SEEING YOU IN WAYNE COUNTY, MICHIGAN!



Edward H. McNamara
County Executive

Bradford Hepler, Ph.D.
Meeting Co-Host
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313-833-2552

Daniel Isenschmid, Ph.D.
Meeting Co-Host
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Amanda Jenkins, Ph.D.
Scientific Program Chair
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SOFT 2002
OCTOBER 13-17, 2002
HYATT REGENCY – DEARBORN, MICHIGAN



PRELIMINARY PROGRAM

Saturday, October 12, 2002 (Pre-Meeting Events)

8:00 a.m. – 1:00 p.m. NLCP Inspector Training
2:00 p.m. – 7:00 p.m. CAP Inspector Training
3:00 p.m. – 9:00 p.m. Registration

Sunday, October 13, 2002

7:00 a.m. – 8:00 a.m. Continental Breakfast
7:30 a.m. – 5:00 p.m. Registration
9:00 a.m. – 12 Noon ABFT Examination
8:00 a.m. – 6:00 p.m. #1: DUID – Research to the Courts
8:00 a.m. – 12 Noon #2: Pharmacogenomics as an Adjunct for Certifying Drug Toxicity
12 noon – 6:00 p.m. ABFT Board Meeting
1:30 p.m. – 5:30 p.m. #3: Forensic Toxicological Aspects of Human Growth & Development
1:30 p.m. – 5:30 p.m. #4: SPE: Scientific Theory and Application in Forensic Toxicology
7:00 p.m. – 10:00 p.m. NLCP/DOT Lab Directors Workshop

Monday, October 14, 2002

7:00 a.m. – 8:00 a.m. Continental Breakfast
7:30 a.m. – 5:00 p.m. Registration
8:00 a.m. – 4:00 p.m. Exhibit Set Up
8:00 a.m. – 6:00 p.m. #5: Club Drugs and Drug Facilitated Sexual Assault
8:00 a.m. – 12 Noon #6: Pharmacology, Toxicology of Drugs and the Brain
8:00 a.m. – 12 Noon #7: Tandem MS/MS – Ion Traps or Triple Quads: How to Decide
12 noon – 6:00 p.m. SOFT Board Meeting
1:30 p.m. – 5:30 p.m. #8: Medicolegal Death Investigation
7:00 p.m. – 9:00 p.m. Welcoming Reception Featuring Microbrews / Snacks

IMPORTANT DEADLINES

ABSTRACT SUBMISSION DEADLINE – JUNE 1, 2002
EARLY REGISTRATION DEADLINE – FRIDAY, AUGUST 30, 2002 (POSTMARK OR FAX)
LAST DATE FOR PARTIAL REFUND – FRIDAY, AUGUST 30, 2002
LATE REGISTRATION DEADLINE BY MAIL – FRIDAY, SEPTEMBER 13, 2002 (POSTMARK)
HOTEL RESERVATION CUT-OFF DATE – FRIDAY, SEPTEMBER 13, 2002
POWERPOINT SUBMISSION CUT-OFF DATE – FRIDAY, SEPTEMBER 13, 2002
LATE REGISTRATION DEADLINE BY FAX – TUESDAY, OCTOBER 1, 2002

Workshop # 4 – Sunday, October 13, 2002

1:30 p.m. – 5:30 p.m.

Solid Phase Extraction: Scientific Theory and Applications in Forensic Toxicology

Chair: Michael Telepchak, B.S., M.B.A.

This workshop will discuss the history and development of SPE with emphasis on basic silane chemistry and the manufacturing of bonded silicas. The effects of pH, polarity, and solubility on extraction performance will be delineated. Troubleshooting and extraction optimization will be followed by SPE applications with respect to mass spectrometric analysis of opiates, amphetamines and newer drugs such as GHB.

Workshop # 5 – Monday, October 14, 2002

8:00 a.m. – 6:00 p.m.

Club Drugs and Drug Facilitated Sexual Assault

Co-Chairs: Sarah Kerrigan, Ph.D., Laureen Marinetti, M.S., Adam Negrusz, Ph.D.

This workshop will discuss the pharmacology, toxicology and analysis of substances commonly encountered as either club drugs or in cases of DFSA. These drugs include GHB, MDMA, Ketamine, LSD, flunitrazepam, methamphetamine and ethanol. The history of raves and the club culture will be explored as well as new psychoactive herbs and supplements that are emerging as legal alternatives to conventional club drugs.

Workshop # 6 – Monday, October 14, 2002

8:00 a.m. – 12 Noon

Pharmacology and Toxicology of Brain Drugs

Co-Chairs: Randall Commissaris, Ph.D., Laureen Marinetti, M.S.

Researchers from Wayne State University in Detroit will present this workshop. The workshop will include an introduction to the principles of drug action and discuss concepts of receptor theory, dose response curves, drug efficacy and potency issues especially as they apply to the newer partial agonist type drugs (e.g., buprenorphine [Buprenex]), and concentration versus effect relationships. An overview of neuropharmacology and an introduction to several new psychotherapeutic agents, focusing primarily on the monoamine neurons dopamine, norepinephrine and serotonin will follow. The last three presentations will focus on current drugs of abuse including Ecstasy and GHB.

Workshop # 7 – Monday, October 14, 2002

8:00 a.m. – 12 Noon

Applications using MS/MS: Ion Traps or Triple Quads - How to Decide

Chair: Cheryl Ehorn, B.S.

This workshop will focus on comparing ion trap instruments with the bench top triple quadrupole instrument. A brief perspective on the evolution of the ion traps and the triple quads will feature new capabilities including small size, high sensitivity, versatility and efficient MS/MS (as well as MSⁿ on the ion trap). Key analytical issues to be addressed are ease of use, sensitivity, linear dynamic range, and quantitation (including the use of co-eluting internal standards). Applications to be discussed using the techniques of MS/MS include drugs in urine, blood, hair and alternate matrices.

Workshop # 8 – Monday, October 14, 2002

1:30 p.m. – 5:30 p.m.

Medicolegal Death Investigation

Chair: Carl Schmidt, M.D.

The investigation of sudden and unexpected death as practiced by the Forensic Pathologist forms the basis for this workshop. How traumatic and pathological changes seen at autopsy relate to the proper and complete understanding of cause and manner of death will be discussed in light of case history, scene investigation, and toxicology findings. Examples of how the balance between pathological and toxicological causes of death is weighed are highlighted as a central theme of this workshop.



SOFT 2002
OCTOBER 13-17, 2002
DEARBORN, MICHIGAN



CALL FOR PAPERS AND ABSTRACT SUBMISSION

General Information

The Program Committee solicits abstracts on all forensic toxicology topics including postmortem toxicology, forensic urine drug testing, analytical toxicology of drugs, pharmacology as related to forensic toxicology, pathology as related to forensic toxicology, pediatric and geriatric case reports, and the relationship between drug concentrations and performance impairment. Scientific papers selected for presentation will be divided into two groups: 15-minute platform presentations and poster presentations. The Program Committee will select appropriate abstracts from those **submitted by the June 1, 2002, deadline**. The presenting authors of all papers will be required to register for the meeting. Only abstracts written in English will be considered. The format for the preparation of the abstracts is provided on the submission form.

Platform (Oral) Presentations

ONLY 35-mm slides or LCD (PowerPoint) presentations will be accepted. Each presenter will be provided with 10 minutes to present their material and 5 minutes to answer questions. Platform presentations must cover the material reported in the abstract. Regardless whether 35 mm slides or LCD projection are used, information on the slides must be kept simple with plenty of open spaces between lines. Limit information on each slide to seven lines or less. Do not crowd the slide. Avoid backing up in slide lectures. If you need a slide twice, make duplicate slides. White on black, white on blue, blue on yellow or yellow on blue project best. Avoid red and blue or other non-contrasting color combinations. If using 35mm slides, it is highly recommended that you provide your own carousel.

LCD Projector – Policies and Procedures

A LCD projector will be available for use at this meeting. Any LCD format platform presentation **MUST** be submitted in advance (Deadline September 13, 2002) on 3.5-inch disk or by E-mail in Microsoft PowerPoint (IBM format only) to the Program Chair (contact information on abstract submission form). There will be **NO** exception to these requirements. All presentations will be pre-loaded and tested on a computer (and backup computer) provided

SOFT. You may bring your own laptop as an additional backup, however in order to improve flow between presentations this will only be used in the event of

unexpected technical problems. Slide projectors will be available for presenters who do not meet this deadline, or format requirement.

Poster Presentations

Each author selected for poster presentation will be provided with a 4' x 8' tack board on which to display material related to his or her presentation. Presenters must bring their own tacks. Authors have complete freedom to choose ways of displaying their information in figures, tables, text, photographs, etc; however, they should avoid crowding too much information into a limited space. The poster should be readable from a distance of 3 feet. Posters will be kept up for the entire day they are scheduled. Please be sure your poster is mounted by 8 a.m. and leave it mounted until 5 p.m. It will only be necessary for the author to be present at the poster for the one-hour noted in the program.

Abstract Submission - Abstracts may be submitted in one of two ways:

1. Electronically by e-mail – Be sure to provide all the information required on the back of this form in the body of your e-mail text. Be sure to type ONE of the disclosure statements in your-email. By submission of your abstract electronically, no signature is required for the disclosure. The abstract itself is to be provided as an attachment in Microsoft Word ONLY using the format described on the back of this form.
2. By mail – Complete the back of this form. The abstract itself **MUST** be provided on diskette in Microsoft Word ONLY. Please label the diskette with the presenting author's name. Include four (4) hard copies of the abstract.

Disclosure Information (Please Read Carefully)

In order for AACC ACCENT credits to be provided for attendees to the SOFT 2002 Annual Meeting by the TDM/Toxicology Division of AACC each speaker must provide disclosure of potential bias or conflict of interest. This information is provided to any attendee who requests information concerning possible bias, conflict of interest or commercialism of any presentation. Please complete the information as it applies to you on the submission form.

ABSTRACT SUBMISSION DEADLINE IS JUNE 1, 2002



SOFT 2002
ABSTRACT SUBMISSION FORM
DEADLINE – JUNE 1, 2002



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Format of the Abstract

Type the title in upper and lower case letters. Separate the title from the authors by single blank line. Type the name(s) of the authors and, followed by the address(es) (affiliation, city, state, country) of the authors. For multiple addresses use a numerical superscript after the name. Use an asterisk (*) to identify the presenting author. Separate the author's names from the body of the abstract by a single blank line. Identify three key words at the bottom of the abstract. See example below:

The Analysis of Oobleck from Precipitation Collected in the World of Dr. Seuss

Cindy Lou Who*¹, Yertle Turtle², and Bartholomew Cubbins².
¹Whoville University, Whoville, MI, U.S.A.; ²Mulberry Street Consulting Group, Prairie of Prax, MN, U.S.A.

Indent each paragraph three spaces. Type the entire abstract single-spaced. Do not type in all capital letters. Capitalize and punctuate exactly as you wish the abstract to appear in the program. Do not double space after a period. The abstract should be limited to one 8 ½ x 11-inch page using Times New Roman font, size 12.

The abstract must contain the following information: (1) author(s) name(s) and affiliation, city, state, country; (2) short specific title; (3) statement of paper's objective; (4) statement of methods, if relevant; (5) statement of results; (6) statement of conclusion; (7) key words (three).

Key Words: Oobleck, Seuss, Precipitation

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By submission of this abstract by e-mail no signature is required for the disclosure. You must, however, type the applicable disclosure statement in your e-mail text.

Submission Address:

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NOTIFICATION: You will be notified of receipt of your abstract within two weeks of submission. If you do not receive notification in this time frame, please contact the Program Chair to make sure your abstract was received. Correspondence from the Program Chair will be with the presenting author only. Notification of acceptance will be made by July 31, 2002.

Society of Forensic Toxicologists

EDUCATIONAL RESEARCH AWARDS (ERA)

Description:

The education of specialists in the field of forensic toxicology continues to be a challenge. Forensic toxicologists are scientists who engage in the analysis of body fluids and tissues for the presence of drugs and chemicals and interpret these analytical results for judicial purposes. The ever-increasing sophistication of analytical methodologies and the enhanced knowledge of underlying physiological and pharmacological factors governing our understanding of the effects of these substances promise to add information to the judicial process that was not thought possible just a few years ago.

The Society of Forensic Toxicologists is dedicated to continuing effective education in this field and actively supports research projects that advance the foundations of the science in academic settings. The award will recognize students pursuing advanced degrees whose research has progressed to the point of presentation to the members of SOFT.

Eligibility:

The Educational Research Award (ERA) is designed to recognize students enrolled in advanced degree programs (Ph.D., M.S., M.D., and/or Post-Doctoral Fellowships) with research in an area relevant to forensic toxicology.

Award:

An award of \$1,000 will be made to offset travel expenses to the SOFT Annual Meeting. Awardees may reapply.

Deadline:

May 1. (Successful applicants will be announced by July 1.)

Application Materials:

SEE THE SOFT WEBSITE FOR INSTRUCTIONS AND FORMS
www.soft-tox.org

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