



Society of Forensic Toxicologists, Inc.

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ToxTalk

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PUBLISHER: Patricia Mohn-Monforte

IN THIS ISSUE

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TECHNICAL NOTES: Case Notes: A Report of Four Elevated Pseudoephedrine Concentrations in Pediatric Cases (Dunn) ☒ Drugs in the News: "Positive Drug Findings at The Pan American Games" and "Methamphetamine Raids - A Different Perspective" (Monforte) ☒ Extractions (new feature) ☒

OF SPECIAL INTEREST: Minutes of the 1998 Annual SOFT Meeting (Smith) ☒ '99 Meeting Information ☒ 1999 Nominating Committee Slate ☒ Proposed By-Laws Amendments ☒

INSERTS: 1999 SOFT Meeting Information and September Update ☒

SOFT 1999 Annual Meeting: October 9 - 14

WESTIN RIO MAR BEACH RESORT

Rio Grande, Puerto Rico

For reservations, phone 800-474-6627 (or 787-888-6000) or fax 787-888-6000

See insert for more information.

VISIT THE SOFT WEBSITE: www.soft-tox.org

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.

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

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Telephone: 480-595-6646 Fax: 480-595-6663 - after 11 a.m. E.S.T. please

note area code change as of 9/99 (if it doesn't work, try the old 602)

E-mail: DrMonforte@aol.com

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

NEXT DEADLINE: Nov. 1, 1999

SOFT is a supporting organization of the American Board of Forensic Toxicology

PRESIDENT'S MESSAGE by Marilyn Huestis, Ph.D.

I am really looking forward to seeing you all at the 1999 SOFT meeting in Puerto Rico. I have repeatedly stressed in my Presidential Messages that one of the best aspects of our Society is its friendly, open and welcoming environment. We learn as much from talking and arguing about science as we do from the formal presentations. One of our members, Dr. Manfred Moeller, once said that it was easier to get a room full of toxicologists to use the same toothbrush than the same analytical method. This may be true - we are an independent group of thinkers and doers, and we know that there is always more than one "right way" to accomplish the goal. This makes our annual meetings very interesting, and this year's will be no different! Please try to come. Flor Mattos and her hard-working team, in collaboration with Lee Hearn, Laurel Farrel, Bob Zettl and Lisa O'Dell, have designed a wonderful scientific meeting. The quality and number of abstracts submitted was high, promising substantial new information for us all. Don't forget that there will be four \$1,000.00 awards for the best two poster and oral presentations at the upcoming meeting to honor members' scientific contributions. Thanks are owed also to our great exhibitors and sponsors who help us to provide great workshops, poster sessions, food and entertainment. Speaking of entertainment - our gracious Puerto Rican colleagues have worked hard for over three years to plan a spectacular Island cultural experience for us with a great reception in San Juan with entertainment and native foods. I have visited this lovely island several times and never fail to appreciate its combination of natural beauty, history, culture and especially the friendly people. Hiking the rain forest is a treat as well. There is also a rumor that there will be hospitality available in the presidential suite several nights during the meeting. Let us have the chance to show you how much we appreciate your experience, knowledge and contributions. As is our tradition, new members and first time attendees to the annual meeting will find special ribbons in their packets. Members, please make a special effort to make these individuals feel welcome and introduce them to others. In this way we can let them feel a part of the SOFT family.

This has been a very busy time for your Officers and Board of Directors. We have addressed a number of important issues and have communicated efficiently by e-mail, fax and phone. We will have much new information to share with you at the annual SOFT business meeting so please attend. I would like the membership to know how much time and effort the Officers, Board, and committee chairs and members have donated this year. I would hope that members would thank these individuals for their contributions and think about ways of sharing your own expertise with us. In this era of cutbacks and tight financial budgets, we are all busier than ever. However, one of the ways of coping with our sometimes-stressful professional environments is realizing that we have a network of colleagues who may help provide solutions or at least advice and friendship. I have relied on many of you for help over the years, and especially in this busy year as SOFT President. May I be the first to say thank you and let you know how much I have appreciated your support and especially your friendship. I have grown, and continue to grow, professionally and personally through my associations with you. Thank you for all the opportunities to learn!

Christine Moore has been productive with her new Ad Hoc committee on continuing education for SOFT. Our goal is to find ways to support all SOFT members; those who are fortunate enough to attend the annual event and those who do not get the opportunity to travel. A member of this committee, Jennifer Limoges, just hosted a wonderful meeting on the effects of drugs on performance in Albany, New York. It was wonderful, interesting, informative and inexpensive to attend. SOFT members volunteered their time and expertise to present in order to keep the cost down. We are exploring options of taking this course and others on the road to provide inexpensive educational opportunities. Would you be interested in hosting one of these seminars in your area or in lecturing for a course? Let Christine know. Christine will provide a detailed report to the Board in October.

Your SOFT committees have been very active during the last few months. Make sure you carefully review the Bylaws and be prepared to vote on the document at the annual meeting. Our goal is to have the Bylaws current and readily available to all interested parties on the SOFT web-site. The Forensic Toxicology Guidelines Committee is updating and revising the Guidelines and reformatting the document in a more user-friendly style. The new document should be available for membership review and appraisal at the 1999 annual meeting. The Drugs and Driving Committee has available the new benzodiazepine monograph. Contact Chip Walls (hchipw@aol.com) or Vickie Watts (toxilady@aol.com) to request the manuscript. The SOFT Special Issue of the Journal of Analytical Toxicology, edited by Bruce Goldberger, is ready for printing and Tinsley Preston is going to include a copy in each meeting attendee's registration packet. The Special Issue is a wonderful example of the quality and diversity of the work of our members. In addition, the Special Issue is a key element in our goal to promote continuing education and improve communications. Joe Monforte continues to produce a wonderful newsletter and needs your contribution of interesting case studies, articles and reports for ToxTalk. Joe Saady and the new Visioning Workgroup will present their findings at the annual meeting, and Bill Anderson is attempting to finalize the SOFT Policies and Procedures document for your review. Bonnie Fulmer, our great administrative assistant, has a new computer, a new database and is finally on-line. This should make her even more productive and efficient.

Not only do we have great meetings scheduled for the years 2000 - Milwaukee, WI; 2001 - New Orleans, LA; 2002 - Detroit, MI; 2003 - Portland, OR; but we also have proposals for 2004 and 2005 which will be presented in Puerto Rico. Please consider hosting a meeting yourself. SOFT will help provide financial and organizational support to ensure that the meeting will be a success. Laurel Farrell and her committee are completing the Meeting Host Guidelines that contain the essence of years of experience in hosting SOFT meetings that will help you plan a great meeting.

Thank you for the honor of being President this year. It is both challenging and enjoyable. Please consider participating in a more active manner by contacting any of your officers, directors or committee chairs. ☺

'99 SOFT PUERTO RICO MEETING UPDATE

"Thanks" to our exhibitors - registrations keep coming in, and we look forward to seeing them in October. Corporate support is an important factor in presenting such outstanding meetings. Vendors and sponsors keep costs down and attendees benefit from viewing the latest technology. We've received numerous abstracts with the high quality you've come to expect at SOFT meetings. Our registration numbers have been arriving as expected - so don't wait until the last minute to register for the hotel or the meeting. The beach is great but an uncomfortable place to sleep, and you don't want to be the 76th registrant for a workshop in a room the accommodates only 75!

Be sure to read the SEPTEMBER MEETING UPDATE SHEET included in this issue of ToxTalk as well as the other meeting information (preliminary meeting program, workshop descriptions, hotel reservation form for the Westin, meeting registration form, Fun Run form). This promises to be another great SOFT meeting, and you will benefit by being aware of all the programs and opportunities that await you in Puerto Rico!

For additional information, please contact one of the meeting committee members listed below:

		phone (voice)	fax	e-mail
Host	Flor Mattos	787-765-0615	787-759-8908	forenses@coqui.net
Scientific Program	Lee Hearn	305-545-2450	305-545-2452	leehearn@ocanect.net
Vendors	Lisa O'Dell	303-477-5976	303-561-3808	NomadLee9@aol.com
Program Coordinator	Laurel Farrell	303-692-3679	303-774-7821	farrell@oneimage.com
Committee member	Robert Zettl	303-886-4498	303-795-1654	jrzettl@ecentral.com

SOFT 30th ANNIVERSARY (2000) MEETING ANNOUNCEMENT

Plan now to attend the 30th anniversary meeting of SOFT, October 2-6, 2000. The meeting will be held at the newly renovated Hyatt Regency Hotel in the heart of downtown Milwaukee. Specific program and pre-and post-tour information will be included in the next issue of ToxTalk. Meanwhile, you may contact the following meeting committee members for further information:

		Phone	Fax	E-mail
Co-chairs:	Steven Wonk, Ph.D.	414-223-1200	414-223-1237	shwong@execpc.com
	Susan Gock, M.S.	same	same	sgock@execpc.com
Secretary:	Christine Goodall, B.S.	608-224-6246		crg@mail.slh.wisc.edu
Workshop ch:	Adam Negrusz, Ph.D.	312-996-2560		anegrusz@uic.edu

KUDOS AND MUCHOS GRACIAS

to our 1998 meeting hosts, Drs. N.G.S. Rao and Ronald Backer (SOFT) and Dr. Vina Spiehler (TIAFT), presenters, volunteers, vendors, and participants who all helped make the 1998 SOFT/TIAFT meeting in Albuquerque a great success professionally, personally, socially and financially.

Even though SOFT/TIAFT '98 is a yesteryear activity, the program hosts are still working on a few details to bring all related matters to a happy conclusion. In keeping with the TIAFT tradition, Dr. Vina Spiehler has done an outstanding job preparing the 704-page Conference Proceedings. These have been published and are being sent to all Sandia registrants and others who ordered them through their meeting registration.

Dr. Lori Alvord's book, *"The Scalpel and the Silver Bear,"* has recently been published and is receiving favorable reviews. The meeting hosts have negotiated a reduced price and will be sending a complimentary copy of this book to those who signed up for the Santa Fe workshop featuring Dr. Alvord's presentation.

Thanks to everyone's hard work, this meeting produced a \$90,000 surplus which will be shared by TIAFT and SOFT proportionately by attendance.

1999 SOFT MEETING DEADLINES:

Sept. 10	Hotel registration at reduced SOFT rates
Sept. 15	Mail meeting registration closed

Nominating Committee Offers Y2K Slate

The following terms of office will end December 31, 1999: President, Marilyn Huestis; Vice President, Robert Ze Secretary Michael Smith; and Directors Amanda Jenkins, Thomas Simonick and Daniel Isenschmid (elected for a 1-yr term). The SOFT President and Vice President each served one year terms, the Secretary served a two year term and the SOFT Directors Jenkins and Simonick each served three-year terms. The Society of Forensic Toxicologists will continue to be represented by Laurel Farrell as Treasurer and the following Directors: Bruce Goldberger and Graham Jones.

The 1998 SOFT Nominating Committee, composed of immediate past-president Joseph Saady, Ph.D., DABFT (Chairman), William Anderson, Ph.D., DABFT, and Joseph Monforte, Ph.D., DABFT, present to the members of the Society of Forensic Toxicologists the following nominees for SOFT offices and directorships for the year 2000.

PRESIDENT - Robert Zettl, B.S., M.P.A: J. Robert Zettl retired in 1998 after 34 years with the State of Colorado, Department of Public Health and Environment, Division of Laboratories. During his employment he held various positions with the department, with the last 28 years devoted to the field of alcohol and drug toxicology. Mr. Zettl is currently employed as a consultant with Forensic Associates and is President and CEO of Forensic Alcohol Consultants, Inc. of Colorado. After receiving his BS from Pittsburgh State University (Kansas) in 1964, Mr. Zettl obtained a Masters in Public Administration from the University of Colorado in 1991. His professional activities include membership in numerous scientific and non-profit organizations, including SOFT, AAFS, SAT, SWAFS, CAT, NSC, NSC/COAAD, and NSC/HTSD. He is a past chairman of the NSC's Committee on Alcohol and Other Drugs, consultant to NHTSA, DOT regional workshop participant, CAP/FUDT and HHS/SAMHSA inspector, Borkenstein School Instructor, APRI instructor and has presented and published with emphasis on alcohol testing and training. Bob served SOFT as a Director for three years, Treasurer for two years, and currently is Vice President.

VICE PRESIDENT - Michael Smith, Ph.D., DABFT: Dr. Smith is a US Army Colonel and Chief Deputy Medical Examiner over the Forensic Toxicology Laboratories in the Office of the Armed Forces Medical Examiner, Washington, DC. He earned a bachelor's degree in chemistry from Kansas State Teachers College, Emporia, KS, and a Ph.D. in bioanalytical chemistry from Purdue University, W Lafayette, IN. Dr. Smith received Diplomate status from the American Board of Forensic Toxicology. Past professional positions include Director of Clinical Research at army medical centers and commander of the US Army Forensic Toxicology Drug Testing Laboratory that served the European Theater in the late 1980s. Dr. Smith has 120 professional publications and abstracts and served as an expert witness in over 50 federal cases. The forensic toxicology laboratories he currently directs include the Department of Defense (DoD) Central Postmortem/Human Performance Laboratory, the DoD Testing Quality Control Laboratory, and the DoD Forensic Toxicology Research Branch. Dr. Smith has been a full member of SOFT since 1988, a Director from 1995 to 1997, and will complete his 2-year term as Secretary this year.

SECRETARY - Amanda Jenkins, Ph.D., D-ABC: Amanda Jenkins is currently the Chief Toxicologist for the office of the Cuyahoga County Coroner in Cleveland, Ohio, and also an Assistant Professor in the Dept. of Pathology at Case Western University School of Medicine. Dr. Jenkins received a B.S. in Biochemistry and Physiology from the University of Leeds, England; a M.S. in Forensic Science from Strathclyde University in Glasgow, Scotland; and a Ph.D. in Toxicology from the University of Maryland. Her professional activities currently include Editor of the AAFS Toxicology Section newsletter, News and Views, editorial board member for the Journal of Analytical Toxicology; and an inspector for the CAP FUDT and ADT laboratory accreditation programs. Dr. Jenkins is a Diplomate of the American Board of Criminalistics. She is completing a 3-yr term as a SOFT Director.

Continued next page . . .

ELECTIONS WILL TAKE PLACE DURING THE S.O.F.T. ANNUAL BUSINESS MEETING IN PUERTO RICO
 ONLY FULL MEMBERS MAY VOTE

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

In the past I have only infrequently published articles from toxicology newsletters published by other organizations. SOFT has permission to do this with a couple of organizations (and *vice versa*) and, beginning with this issue of ToxTalk, I will attempt to do this on a regular basis. Because of space constraints, the articles will only be summarized, but fully referenced. U.S. West keeps extending the deadline for our new area code - if the new 480 doesn't work, please try the old 602. As always, all members are encouraged to send materials to ToxTalk for publication consideration. ☺

DIRECTORS:

Janiel Isenschmid, Ph.D., DABFT (re-elect for 2 years to complete required 3-yr term): Dr. Isenschmid received a B.S. degree in Biology from Adelphi University and M.S. and Ph.D. degrees in pathology and forensic toxicology, respectively, from the University of Maryland at Baltimore. He is the Chief Toxicologist at the Office of the Wayne County Medical Examiner in Detroit, MI. He received the Irving Sunshine Award from the AAFS and was the 1998 Chairman of the Toxicology Section for the AAFS. His SOFT activities include assistant moderator (1990), Education Research Award Committee (1994-present), 1995 Meeting Committee, 1996 Meeting Workshop Committee and co-host for the 2002 SOFT Annual Meeting (Detroit). Dr. Isenschmid served as a SOFT Director from 1996-1998 and was elected to a "partial" 1-yr term (1999). If elected, he would extend his current term to the required 3-yr Directorship. ☒

N.G.S. Rao, Ph.D., DABFT (elect for 3-year term): Subsequent to receiving his B.S., M.S., and B.Pharm. in India, Dr. Rao earned another M.S. (Industrial Pharmacy) from the St. Louis College of Pharmacy, St. Louis, MO, and his Ph.D. (Pharmaceutical Chemistry) from North Dakota State University, Fargo, ND. Dr. Rao has been chief of the Toxicology Bureau, Scientific Laboratory Division, for the New Mexico Department of Health (Albuquerque) since 1994. Previously, he held positions within the Office of the State Toxicologist in Fargo, ND. His other professional accomplishments include numerous academic positions, approximately 25 articles published as author or co-author, and certification as a Diplomate of the American Board of Forensic Toxicology. He is a member of AAFS (Fellow) and TIAFT as well as SOFT where he served diligently as co-host for the highly acclaimed 1998 SOFT/TIAFT Meeting in Albuquerque.

Timothy Rohrig, Ph.D., DABFT (elect for 3-year term): Dr. Rohrig is currently Director of Laboratories at the Center for Forensic Sciences, Onondaga County, Syracuse, NY, and a Clinical Assistant Professor of Pathology at SUNY Health Science Center at Syracuse. His previous experiences include Vice president and Director of Toxicology of Osborn Laboratories and Chief Toxicologist and Laboratory Director for the State of Oklahoma MEO. Dr. Rohrig holds a B.S. in Chemistry and a Ph.D. with an emphasis in Pharmacology/Toxicology, is an ABFT Diplomate, and has authored fifteen peer-reviewed articles as well as presented numerous papers. His scientific memberships include AAFS (Fellow), TIAFT, and SOFT. ☒

SOFT 1999 EDUCATIONAL RESEARCH AWARD (ERA) WINNERS ANNOUNCED

Submitted by Barbara Manno, Ph.D., DABFT, Chairman, ERA Committee

The aim of SOFT with this award is to encourage academic training and research in areas related to forensic toxicology. The ERA award is competitive in nature and requires that the awardee present their research finding at the annual meeting. The 1999 awardees will receive \$1,000 and waiver of registration fees for the SOFT annual meeting and workshops in Puerto Rico. The ERA Committee is pleased to announce the 1999 ERA winners:

Sandra Valtier: University of Texas at San Antonio (Sponsor: John Cody, Ph.D.)

Robin Evans: University of Maryland at Baltimore (Sponsor: Marilyn Huestis, Ph.D.)

ABFT NEWS

ABFT Secretary Richard Shaw reports that the Office of the Chief Medical Examiner of New York City has recently had it's forensic toxicology laboratory, under the supervision of Dr. Marina Stajic, accredited by ABFT.

ABFT Breakfast (Wed., 10/13, 7:00 a.m. - 8:30 a.m.): Send a \$20 check payable to ABFT to ABFT Treasurer Richard Shaw, 5270 Joan Court, San Diego, CA 92115.

For more information on ABFT activities, try their web-site at: www.abft.org ☒

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

October 9, 1998

The Annual Business meeting of the Society of Forensic Toxicologists, Inc. was held on October 9, 1998 at the Hilton Hotel, Albuquerque, NM. President Joseph Saady called the meeting to order at 2:10 p.m. and requested that the Secretary establish a quorum. President Saady advised attendees to sign in and reminded those in attendance that only full members may vote. Upon a motion duly made, seconded and passed, the agenda was approved. By motion duly made, seconded and passed, the minutes of the annual business meeting of the Society of Forensic Toxicology of October 8, 1997 as published in ToxTalk were approved by acclamation.

President's Report: *Joseph Saady, Ph.D.*

President Saady outlined the accomplishments of S.O.F.T. in 1998. He reminded members that the annual meetings were a primary activity and pointed out that this year's meeting was extremely successful. S.O.F.T. has contracts for three future meetings: Puerto Rico 1999, Milwaukee 2000, and New Orleans 2001. President Saady emphasized that S.O.F.T. must be proactive in our ever-changing profession and provide national leadership to guide change. He identified our strength as the network of competent members who volunteer and "get the job done". He encouraged new members with an attitude of getting the job done to get involved in S.O.F.T. activities and bring new ideas. The President acknowledged that the Vision Working Group and Alcohol Testing Working Group were failures this year but pointed out that positive accomplishments for the year outweighed the failures.

Secretary's Report: *Michael L. Smith, Ph.D.*

Secretary Smith reported that S.O.F.T. approved 54 new members in 1998 bringing total membership to 556. He then read the names of all new members and asked them to stand. The other members welcomed them with applause.

Vice President's and Committee's Reports: *Marilyn Huestis, Ph.D.*

Vice President Huestis thanked committee chairs in advance for their dedication this past year. She then called on them in turn to give their reports.

A. By-laws Committee: Vice President Huestis relayed that Kurt Dubowski, Ph.D., chair, had produced a complete copy of the By-laws on paper and in electronic format. She indicated that there were no new By-laws this year. After being reviewed by the Board, a complete copy of all By-laws will be available to members.

B. Budget, Finance & Audit Committee: Vice President Huestis gave the report of Jim Valentour, Ph.D., chair, that stated that all accounting practices were properly conducted.

C. Nominating Committee: Vickie Watts, MS, chair, briefly outlined how nominees for office were selected. She stated that nominees were selected from those members who had a proven record of participation in S.O.F.T. activities, of understanding S.O.F.T. business and of accomplishing tasks. She then identified committee selected nominees: for President, Marilyn Huestis, Ph.D.; for Vice President, J. Robert Zettl, B.S., M.P.A.; for Treasurer, Laurel Farrell, B.A.; for Director, Graham Jones, Ph.D.; and for Director, one year only, Dan Isenschmid, Ph.D.

D. ToxTalk: Joe Monforte, Ph.D., editor, thanked Chip Walls, Vince Papa, Jim Wigmore, and Dan Isenschmid for their continuous contributions to ToxTalk. He stated that ToxTalk now has a circulation of over 600 then encouraged contributions of case reports and articles.

E. JAT Special Issue: Editor Dan Isenschmid, Ph.D., thanked all reviewers and the JAT staff for helping produce another outstanding issue. The Issue was available at this meeting and will be distributed to members who could not attend. At this time, Tinsley Preston, III, President of Preston Publications, awarded Dr. Isenschmid with a special plaque to commemorate his long hours and professional efforts.

F. ERA Committee: Vice President Huestis, speaking for Barbara Manno, Ph.D., chair, relayed that we had another rewarding year selecting four awardees: Rebecca Jufer, Jessica Long, Jeri Roper-Miller and Brad Hall. Their travel to this meeting, paid by the awards, allowed these young scientists to interact with members and increase their knowledge of forensic toxicology.

G. Meeting Resource Committee: Vice President Huestis asked meeting hosts in turn to give their reports.

Current Meeting: Ron Backer, Ph.D., one of the current meeting hosts, acknowledged the work of his S.O.F.T. co-host N.G.S. Rao, Ph.D. and TIAFT co-host Vina Spiehler, Ph.D. He described the meeting as very successful with over 670 registrants, over 300 being S.O.F.T. or TIAFT members.

1999 Meeting, San Juan, Puerto Rico: Host Flor Mattos, B.S., introduced Lyvia Alvarez, M.D., Executive Director and Medical Examiner, Institute of Forensic Sciences, San Juan, Puerto Rico, who presented a slide series that featured next year's meeting as a very professional gathering in a beautiful setting by the ocean.

2000 Meeting, Milwaukee, WI: Stephen Wong, Ph.D., meeting host, presented the President with a traditional cheese platter, introduced his planning team by name, then showed a series of slides that described Milwaukee as a "best kept secret" place of beauty. He highlighted the riverwalks, brewery and performing arts center.

2001 Meeting, New Orleans: Leon Glass, Ph.D., substituting for host Pat Pizzo, B.S., who had to return to work, highlighted the meeting. A planning committee and hotel, the Radisson, have been selected. He mentioned that Ms Pizzo was considering a "Space Odyssey" theme for the meeting.

H. Forensic Toxicology Guidelines Committee: Graham Jones, Ph.D., chair, stated that the guidelines were posted in the S.O.F.T. web-site. The updated version will be published in ToxTalk and voted on at the next meeting.

I. Drugs & Driving Committee: H. Chip Walls, B.S., chair, informed the members that the benzodiazepine monograph and the Tox Bibliography are complete. Members who want copies of the monograph need to notify him via a form or Web-site. At this point, Mr. Walls presented Dr. Bill Anderson with a birthday cake and the members gave him a round of applause.

J. JCETT Committee Report: Ashraf Mozayani, Ph.D., chair, described the symposium for young scientists held the previous night and relayed that it was successful. She pointed out that JCETT had a web-site and encouraged all to visit it. She then asked that all members encourage young scientists to be active.

K. Policies & Procedures Committee: Bill Anderson, Ph.D., chair, stated that the manual was complete. Next year his committee will have a database containing all policies and procedures and a mechanism to easily add new items.

L. Web-site Committee: Vice President Huestis, speaking for Bruce Goldberger, Ph.D., chair, pointed out the success and activity of the S.O.F.T. web-site with 17,000 hits since the April report.

At this point the Vice President asked if there were any other reports. Barry Logan, Ph.D., program coordinator for the 1999 AAFS Meeting in Orlando, FL, advertised the meeting and encouraged all to contribute and attend.

Robert Bost, Ph.D., past President, reminded members that the history of toxicology text edited by Irving Sunshine, Ph.D., entitled "Was It a Poisoning" was available to all members. Others may purchase the book at the registration desk. Dr. Bost also acknowledged the sponsors.

Treasurer's Report: J. Robert Zettl, B.S., M.P.A.

Treasurer Zettl reported that S.O.F.T. is in good standing. He enumerated S.O.F.T. supported gifts during the past year then informed the members that S.O.F.T. had a letter of agreement from the firm Sabatini & Wynn to continue as our accountants. The 1997 Income Tax return was filed without problems and the CPA audit found no irregularities. Treasurer Zettl then pointed out that a detailed transaction report was filed with the Board and a brief written Treasurer's report was available to members. The report listed \$6,738.95 in a checking account, \$146,075.77 in investments (\$70,439.52 of these are for the ERA Fund), \$25,000 in an emergency fund and \$6,989.38 in accrued interest. He also reminded the members that dues notices would be arriving next month.

Nominations from the Floor and Election of Officers:

Since no nominations were received from the floor, it was moved and seconded that all officers be elected as presented by the Nomination Committee. The newly elected 1999 S.O.F.T. officers and directors are as follows:

President:	Marilyn Huestis, Ph.D.
Vice-President:	J. Robert Zettl, B.S., M.P.A.
Treasurer:	Laurel Farrell, B.A.
Director:	Graham Jones, Ph.D., three-year term
Director:	Dan Isenschmid, Ph.D., one-year term.

Old Business:

President Saady asked for any old business that needed to be addressed. Dr. Bost requested that S.O.F.T. reconsider moving its annual meeting dates so they do not cross fiscal years. He pointed out that some government employees could not attend due to problems with securing travel funds from two different fiscal years. President Saady acknowledged the problem, stated that the Board had considered the issue, but tabled the suggestion for consideration at a future business meeting since meeting dates are set through the year 2001.

There was no other old business from the members.

New Business:

President Saady asked for any new business. The following issues were raised and addressed:

Dr. Robertson informed the members that he and 17 other members comprised a working group that developed recommendations for the toxicological investigation of the crime of drug-facilitated sexual assault. The first product of this group is a manuscript entitled "Recommendations for the Toxicological Investigation of Drug-Facilitated Sexual Assault" to be published in an upcoming issue of the *Journal of Forensic Sciences*. Their next meeting will be during the AAFS Annual Meeting in February 1999. Anyone wanting information may contact Mark LeBeau, M.S., (202) 324-4329.

President Saady informed the members that the Board had discussed the problems surrounding the cancellation of the workshop entitled "Is Hair Analysis Racially Biased?" and that he had received many hallway comments about the cancellation indicating that members may have questions or comments. He asked if members had any questions or needed clarifications of actions taken by S.O.F.T. Dr. Stockham asked if the members could have some details about why the workshop was cancelled. President Saady gave a summary. The workshop was very controversial and some commercial enterprises were very upset that it was going to be held. SAMHSA, the sponsor, decided to cancel it. Dr. Osiewicz asked for the number of registrants, why S.O.F.T. was asked to sponsor, and who made the decision not to sponsor. Dr. Backer said there were 60-70 registrants. Along with President Saady he explained that after SAMHSA cancelled the workshop, S.O.F.T. had no other sponsor and there was not time for S.O.F.T. to organize the workshop so it was cancelled. Dr. Rollins pointed out that it was important that we, an organization dedicated to improving the skills and knowledge of members, not let commercial interests influence our exchange of scientific ideas. Mr. Robb asked if we had insurance that protected S.O.F.T. from lawsuits. President Saady said no. Mr. Walls asked directly if a commercial enterprise had threatened that they would sue S.O.F.T. if they sponsored the workshop. President Saady said that he had received nothing in writing but others said they had received such a threat. Mr. Walls asked further if the Board would respond to this possibility or similar problems surrounding S.O.F.T. taking a public position on a controversial issue. President Saady answered that the Board will investigate our need for legal representation for such matters. Dr. Rollins stated that most senior members saw this conflict coming and suggested that in the future S.O.F.T. step in early to avoid conflicts, for example, in this case they could have insisted early in the planning phase that the workshop have a less controversial title. Dr. Cone asked if S.O.F.T. had not always sponsored or at least sanctioned the workshops at its annual meetings. He continued to explain that this was his understanding when he participated in workshops and that he felt strongly that we should make efforts to reduce commercial influence. Vice President Huestis ended the discussion by reiterating that this particular workshop was difficult from the beginning ***because it had a controversial title and the proposed presenters held strongly opposing views***. She stated that this could be a learning experience and the officers and Board have investigated ways to avoid similar problems in the future. She also assured the members that the Board *had pledged* not to let commercial enterprises dictate the science we present for education.

Dr. Cone pointed out that the timing of abstracts for S.O.F.T. meetings overlapped the AAFS meeting submission dates and reduced support for the AAFS meeting. Several members agreed ***and pointed out that the deadline of June 1998, established by the Board, was extended to July placing it too close to the August 1, 1998 deadline for AAFS. They suggested that meeting planners not extend the deadline in the future.***

Awards and Recognition:

President Saady thanked Mr. Tinsley Preston for publishing another excellent Special Issue of the *Journal of Analytical Toxicology*.

President Saady thanked Lisa O'Dell for her hard work getting vendors to attend and sponsor functions during the meeting. He stated that her gift would be sent to her since she had already departed.

President Saady then acknowledged the hard work of the Officers and Board. Official plaques of appreciation for outstanding service were presented to Marilyn Huestis, Ph.D., Vice President 1998, J. Robert Zettl, B.S., M.P.A., Treasurer 1997-98, and Laurel Farrell, B.S., Director 1996-1998.

The members acknowledged Drs. Backer, Rao, and Spiehler for hosting a very successful annual meeting. President Saady presented them each with a commemorative plate and coffee mug designed and crafted by a southwestern artist.

Vice President Huestis presented President Saady with a commemorative plate and mug and on behalf of the members thanked him for his past year of service to the society.

The newly elected President Huestis closed the meeting with important remarks to the members. She reminded everyone that S.O.F.T. is an informal organization that strives to make members feel welcome and encourages the sharing of new ideas. President Huestis requested that we actively continue this tradition; e-mail new ideas to officers and the Board, help plan workshops, send your best research findings to the S.O.F.T. Special Issue editor Dr. Goldberger (abstract and manuscript deadlines of Mar 8 and Mar 22, 1999, respectively).

Adjournment: The meeting was adjourned at 3:37 pm.

Secretary Smith, *draft v 15Dec98*

[Editor's note: These Minutes are subject to approval at the 1999 SOFT Annual Business Meeting (Puerto Rico)]

BYLAWS AMENDMENTS TO BE PRESENTED AT ANNUAL MEETING

Some of the changes are simply corrections in grammar or reflect current phraseology (such as "unfinished" rather than "old business"). The new "Order of Business" will reflect how SOFT actually conducts its Annual Business Meeting. A proposed change under "Membership Qualifications" clarifies educational requirements for membership. The amendments to "Termination of Membership" clarifies the procedure by which a member may request termination and deletes "conduct contrary to the public interest" as a cause for censure or membership termination. Item A under "Duties of the Board of Directors" will require approval of any expense over \$5,000. This amount would be increased from the current \$1,000 limit.

The proposed amendments, provided by Secretary Michael Smith, are presented below. A copy of the Bylaws, with approved amendments, will be included in the 2000 SOFT Membership Directory.

SOCIETY OF FORENSIC TOXICOLOGISTS, INC.

PROPOSED AMENDMENTS TO THE BYLAWS

Subject to approval at the 1999 SOFT Annual Business Meeting

[] = current text to be changed or deleted *italics and bold* = proposed change

CHAPTER I. NAME AND OBJECTIVE Section 2. Objectives D. Provide a forum for the discussion and exchange of professional experiences between forensic toxicologists, and among forensic toxicologists and others engaged in the administration of justice, in other governmental functions, and in [other] *allied* fields.

CHAPTER II. MEMBERSHIP Section 1. Qualifications B. Applicants must have the following educational degrees *in a natural science* and experience: Ph.D. and 2 years experience in forensic toxicology M.S. and 4 years . . . B.S. or B.A. and 6 years . . .

Section 3. Termination of Membership A. Membership in SOFT may be terminated by written notification *from the member* to the Secretary or the Secretary's designee.

C. A member in any category may be censured or may be expelled from SOFT for unethical or other [conduct contrary to the public interest,] conduct detrimental to the profession of forensic toxicology, or conduct detrimental to SOFT as an organization. Charges alleging any such conduct must be presented in writing by a member of SOFT to the President of SOFT, who, with the approval of the Board of Directors, shall appoint an AD HOC Disciplinary Committee to investigate the charges and recommend the action, if any, to be taken against the member. Prior to any adverse action, a member shall be notified in writing of the nature of the charges and afforded an opportunity to file a written response to the charges and/or to appear at a formal hearing before the Board of Directors.

CHAPTER III. OFFICERS AND BOARD OF DIRECTORS Section 5. Duties of Officers C. SECRETARY. The Secretary: 3. Shall keep, or cause to be kept, a register of current addresses of each member of [the] SOFT and shall at intervals approved by the Board of Directors prepare, or cause to be prepared, a membership directory..

Section 6. Duties of the Board of Directors The Board of Directors is charged with the general management of SOFT, which shall include, but not be limited to: A. Approval of all expenditures in excess of [one] *five* thousand dollars [\$1,000] *\$5,000*. . . .

D. Approval of appointment[s] of special committees

Section 7. Executive Committee A. . . . A quorum of the Executive Committee for all purposes shall be four (4) of its members[,] or their alternates; . . .

CHAPTER IV. MEETINGS AND CONDUCT OF BUSINESS Section I. Annual Meeting B. ORDER OF BUSINESS. Unless otherwise ordered by a vote of the majority of the voting members present, the order of business at the Annual Meeting shall be as follows:

1. Call to order
2. [Reading] *Approval* of the Minutes of the last Annual Meeting of SOFT.
- [2]3. Report of the *Officers or* Board of Directors
- [3]4. Report of the Committees
- [4]5. [Old] *Unfinished* Business
- [5]6. New Business
- [6]7. Nominations from the floor
- [7]8. Elections
- [8]9. Adjournment

CHAPTER V. COMMITTEES Section 3. Other [AD HOC] Ad Hoc Committees The President shall appoint such [AD HOC] *Ad Hoc* committees as he/she deems necessary or are required by the Board of Directors.

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CASE NOTES: A Report of Four Elevated Pseudoephedrine Concentrations in Pediatric Cases

Submitted by: William A. Dunn, MS, National Medical Services, Inc., 3701 Welsh Road, Willow Grove, PA.

Therapeutic drug concentration ranges are typically determined from data generated by pharmacokinetic studies in adult populations. It is well known that due to the immaturity of enzyme systems and other pharmacokinetic and pharmacodynamic parameters, the response to a drug may differ in the pediatric population. Further, it is reasonable to assume that the toxic and lethal concentrations for the pediatric population may be different from the general adult population.

Expected pseudoephedrine concentrations following chronic administration of 360-mg pseudoephedrine daily yielded steady state plasma concentrations averaging between 0.50 to 0.64 mg/L (Baselt 1999).

Few cases of pseudoephedrine in the pediatric population have been reported. Baselt reports where a two year old child was found dead after reportedly ingesting at least 420 mg of pseudoephedrine and had a post mortem blood concentration of 66 mg/L (Baselt 1999). Hanzlick (1995) reports a series of 15 infants whose pseudoephedrine concentrations ranged from 0.07 to 13.0 mg/L (average of 3.55 mg/L). In one case pseudoephedrine/carbinoxamine poisoning was listed as the cause of death (the pseudoephedrine concentration was 13 mg/L, carbinoxamine conc. was 0.27 mg/L). In four of these cases the medical examiner was suspicious of pseudoephedrine toxicity (pseudoephedrine concentrations of 2.3, 3.4, 6.2, and 1.8 mg/L).

I report here a series of four pediatric cases that were submitted to National Medical Services for toxicological analysis. The data is listed in table 1. None of the case histories identified the anatomical source of the blood; however, in case 4, other blood tests were preformed using heart blood. This author infers that this was also the source of blood used for toxicological analysis. In each of the cases presented the pseudoephedrine was the only drug that was present in significantly elevated concentrations. These results appear to be consistent with other reported pediatric blood levels.

Unfortunately only scant histories were provided in three of these cases (2 - 4) and no history was given in the other. As a result it is unknown what role the elevated pseudoephedrine findings played in the terminal events of these children. It is also unknown if either the cause or manner of death was amended as a result of these findings.

To date little information exists regarding pediatric post mortem forensic toxicology. It is hoped that these four cases will contribute to the understanding of pediatric physiology and pharmacology.

TABLE 1

	Case 1	Case 2	Case 3	Case 4
Age	2 month	3 month	5 month	5 month
Sex	Female	Female	Male	Female
Race	Unknown	African-Amer.	Caucasian	African-American
Cause of death	Not given	SIDS	SIDS	Pending
Pseudoephedrine	1.10 mg/L	26.0 mg/L	3.20 mg/L	0.92 mg/L
Methorphan	~ 0.10 mg/L	~ 0.06 mg/L	-	-
Chlorpheniramine	~ 0.03 mg/L	~ 0.10 mg/L	-	~ 0.03 mg/L
Carbinoxamine	-	~ 2 mg/L	~ 0.30 mg/L	-
Atropine	-	~ 0.10 mg/L	~ 0.50 mg/L	-
Phenylpropanolamine	-	-	-	~ 0.20 mg/L
Doxylamine	-	-	-	~ 0.02 mg/L

(~)approximate concentrations based upon historical curves.

Ephedrine/pseudoephedrine were differentiated and quantitated by LC/MS/MS.

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- Hanzlick, R. (1995). "National Association of Medical Examiners Pediatric Toxicology (PedTox) Registry Report 3. Case submission summary and data for acetaminophen, benzene, carboxyhemoglobin, dextromethorphan, ethanol, phenobarbital, and pseudoephedrine." *Am J Forensic Med Pathol* 16(4): 270-7.

EXTRACTIONS

Editor's note: Hopefully, "EXTRACTIONS" will become a regular feature in ToxTalk

*"Use Of NitroLingual Spray And Alcohol Breath Testing," from **Toxi-Logic**, A Publication of the Toxicology Section of the Canadian Society of Forensic Science, Vol 24, No 1, June 1999.*

Pursuant to a request from a Qualified Technician, tests were performed to determine the effect, if any, of NitroLingual Spray use on the results of an alcohol breath test when the spray is used by a subject immediately prior to providing a breath sample. Each metered dose of NitroLingual Pumpspray contains 0.4 mg of nitroglycerin in an oily flavored solution. The solution also contains dichlorodifluoromethane, dichlorotetrafluoromethane, ether, menthol oil, vegetable oil, menthol and ethyl alcohol.

Tests were made using a Breathalyzer 900A (chemical detection system) and an Intoxilyzer 5000C (infrared detection system) instrument. Four volunteer subjects (1 female, 3 male) were used - two were determined to be alcohol free prior to the tests and two had consumed some beer prior to the tests. Only the results of the two subjects who had not consumed alcohol and tested negative prior to the experiment will be summarized.

Immediately following dosing, subjects A and B recorded alcohol concentrations of .170% and .300%, respectively, on the Breathalyzer 900A. On the Intoxilyzer 5000C Instrument, an "invalid sample" result was obtained with subject A immediately following dosing, and a .139% alcohol concentration was obtained for subject B immediately following dosing. After 5 minutes following dosing no measurable alcohol was recorded for subjects A and B on the Breathalyzer 900A device and low concentrations (0.009% and 0.010%) were recorded on the Intoxilyzer 5000C Instrument 5 minutes following dosing.

As expected, the only effect of the NitroLingual spray on the breath tests results was the "mouth effect" of the 20% alcohol in the preparation. The effect disappeared within 5-6 minutes. ☺

 **CALL FOR CASE NOTES** Your case note should be about 1/2 page in length, no more than a full page. Material on a disk (preferably using Microsoft Works/Word 6.0) may be submitted to:
Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821.
Or fax: 480-595-MONF (6663). PLEASE remember, Arizona is always 2 or 3 hours behind the east coast.
The e-mail address is : DrMonforte@aol.com

Other items of interest to SOFT members are also welcome.

Next deadline: November 1, 1999

"DRUGS IN THE NEWS"

Submitted by Joseph R. Monforte, Ph.D., DABFT

"Positive Drug Findings at The Pan American Games"

The **Arizona Republic** reported that Cuban high jumper Javier Sotomayor forfeited a gold medal because he tested positive for cocaine at the recent Pan Am games in Winnepeg. Sotomayor, the only athlete ever to jump eight feet, is expected to be suspended for two years which will prevent him from competing in the 2000 Olympics. The positive finding in Sotomayor is being called the biggest track and field scandal since Ben Johnson tested positive for steroids at the 1988 Olympics.

It was the third time a gold medal has been stripped for a positive drug test. Juana Rosario Arrendal of the Dominican Republic lost her high-jump gold for testing positive for steroids and the Canadian men's roller hockey team lost its gold because Steve Vezina tested positive for stimulants, as well as a steroid.

"Methamphetamine Raids - A Different Perspective"

Methamphetamine has been reported to be the biggest drug problem in Arizona. Recently, estimated costs for a raid were published in the **AZ Republic**. The following breakdown was given: *Salaries* - \$10,000 (about 30 officers are needed including such peripheral personnel as firefighters at the scene, officers to secure the boundaries and bomb squads in case of a trap); *Officer training* - initially, \$2,500 each (officers become certified by attending a one-week training course in VA and must be recertified every two years at a cost of \$2,000, each); *Physicals* - \$400 (cost of an annual physical); *Equipment* - \$5,000 per agent (includes an agent's reusable Nomex suit, boots and self-contained breathing apparatus); *Disposable gear* - \$100 per agent per lab (about 15 officers must be equipped with disposable rubber gloves, boots and coveralls); *Prosecution* - the AZ Attorney General's Office employs two full-time prosecutors who handle most cases. ☺

Editor's note: After a brief hiatus, we are most happy to see a continuation of the "Journal Club" - Thanks, Chip!

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ELMER GORDON OPEN FORUM

AN OPPORTUNITY FOR INFORMAL DIALOGUE

Send items for this section to ToxTalk or fax Editor Joseph Monforte at 480-595-6663 (note: area code will change to 480 in September). ☞

CAREER OPPORTUNITIES

Positions available are listed for the consideration of SOFT members. There is no fee for this service. The information will be repeated in the next issue only if the information is confirmed by the person who submitted it. If you have a job position available, FAX (480-595-6663) or E-MAIL (DrMonforte@aol.com) to ToxTalk or mail to: Dr. Joseph Monforte, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821.

Postdoctoral positions: Recent Ph.D. grads in tox, biochem, pharmacol. or related field for 1-yr training program in forensic toxicology in modern forensic tox lab to learn analytical tox techniques, interpretation of results, expert witness skills, etc. \$25K stipend. Completion will prepare for ABFT examination, a requirement for ABFT certification. Contact Joseph Saady, Ph.D., DABFT 804-786-9151, e-mail saady@hsc.vcu.edu ☞

Don't forget to check the SOFT Web site for current career openings:
www.soft-tox.org

PROFESSIONAL CALENDAR

SOFT MEETING: October 10-14, 1999. Contact Flor R. Mattos, Institute of Forensic Sciences, P O Box 11878, S. Juan, Puerto Rico. Tel: 787-765-0615 Fax: 787-759-8908

Future meetings:
2000 - Milwaukee, WI - Steve Wong/Sue Gock Oct 2-6
2001 - New Orleans, LA - Pat Pizzo
2002 - Detroit, MI - Dan Isenschmid /Brad Hepler
2003 - Portland, OR - Kent Johnson

American Academy of Forensic Sciences (AAFS) annual meeting: February 21-26, 2000, Reno, NV. Contact AAFS at 719-636-1100.

California Association of Toxicologists: 11/06/99 Tentative topic: "Basics of Forensic Toxicology": call Russ Lowe and Catherine Hamm, San Diego, CA (858) 694-2909; 2/05/2000 Call Jeff and Susan Zehnder, Sacramento, CA (916) 366-3917; 5/2000 Call Bob Taylor and Dan Anderson, Los Angeles, CA (213) 343-0530; 8/2000 Call Bill Phillips, Sacramento, CA (916) 227-3620

The Robert F. Borckenstein Course on Alcohol, Drugs and Highway Safety: Testing, Research and Litigation - 12/5-10/99 Indiana University, Bloomington. Contact Darlena Lindsay, Program Coordinator, at 812-855-1783 or e-mail dlindsay@indiana.edu ☞

SHOE



SEPTEMBER 1999



1999 SOFT MEETING UPDATE SHEET

October 9 - 14th Westin Rio Mar Beach Resort - Puerto Rico

HOTEL: Westin Rio Mar Beach Resort. Any reference to the "Caribe Hilton" in any of the pre-printed materials or forms now refers to the Westin Resort. **Deadline for reduced rates if blocked rooms are still available: September 10th.** Make your reservations NOW.

AIRPORT - HOTEL SHUTTLE: Look at your hotel reservation form. Complete your airline arrival and departure information *only if requesting hotel shuttle service* (\$32 per person round trip). If you have already submitted your hotel reservation form and need to include or cancel the shuttle service, contact the Westin Rio Mar Beach at 1-800-WESTIN-1.

"PUERTORRICAN NIGHT": Tuesday, October 12th More information! The Artisan Expo Museum at "Paseo La Princesa" will be open after-hours exclusively for SOFT. Some of the best local artisans will be showing their work as well as creating their beautiful handcrafts on site. You will have the opportunity to take home a very special and unique souvenir. This exciting event was further described in the last update sheet and is included in your registration fee. Don't forget to order any guest tickets (\$35) as indicated on the registration form.

OPTIONAL TOURS: Information on exciting optional tours has been distributed. To register or for further information contact *Backstage Partners* (Tel: 787-748-9123 Fax: 787-763-0701 E-mail: back@cojiu.net) Many tours require a minimum registration or they may be cancelled. Save 5% if registering before 9/15.

REGISTRATION DEADLINE: If you haven't registered yet, you've missed the best deals and freebies. Don't forget to include the \$50 late fee. **No mail registrations accepted after September 15th!!**

NLCP INSPECTORS: Don't forget to submit your registration form directly to Dr. Donna Bush or Ms. Giselle Hersh by Sept. 3 if you will be attending the workshop on Sunday, Oct. 10 (7 pm - 10 pm).

TOXICOLOGY CONSULTANTS NETWORK: Whether you consult occasionally or on a full-time basis, you are invited to attend a breakfast meeting on Wed., 10/03. For further information, contact Dr. Robert Bost at 972-394-5102 or e-mail: w001011@mail.airmail.net (0=zero)

ABFT CERTIFICANTS: Make your reservation for the ABFT Annual Breakfast on Wednesday, Oct. 3rd, by mailing a check in the amount of \$20, payable to ABFT, to ABFT Treasurer Richard Shaw, 5270 Joan Court, San Diego, CA 92115

SO-SOFT (Significant Others-SOFT): As of this printing, your founder and fearless leader (Pat) will not be in Puerto Rico. She suggests you gather in the SOFT meeting registration area at 9 a.m. daily to meet and/or make friends and plan all the fun stuff!

LATEST MEETING INFORMATION can be found on the SOFT website: www.soft-tox.org



NO MAIL REGISTRATIONS ACCEPTED AFTER SEPT. 15th



Mark your calendar now

October 9th to 14th, 1999



For the Forensic Toxicology event of the year

Society of Forensic Toxicologists Annual Meeting

Westin Rio Mar Beach Resort - Puerto Rico

(new location)

WESTIN RIO MAR

A video shows the Westin Rio Mar Beach Resort is truly the most luxurious venue SOFT has ever chosen. It is a RESORT with an ocean front conference center, 2 golf courses, 13 tennis courts, beaches galore, spa, gambling, parasailing, scuba diving and a myriad of other sailing sports, 24-hour room service, 11 restaurants, 72 suites (if you want to upgrade), balconies with all rooms, and miles of sandy, golden beaches. For you "high rollers" there's even the 68 room Royal Beach Club. Call 1-800-4 RIO MAR for a free resort guide brochure.

The Westin has given us an extremely fair room rate. For this type of room and the surrounding luxury, you would normally expect to pay well over the \$143 single/double base rate. See the room registration form for specifics and review the information carefully, including transportation to/from the airport. Note: Reservations received after September 10th may be subject to a higher rate, if any rooms are even available. The hotel only need honor this greatly reduced rate for the number of rooms blocked. So be forewarned and reserve early. And don't forget to make rental car arrangements if you are interested in touring the island.

WORKSHOPS

We'll have them! As always, SOFT workshops are designed with the beginner and veteran in mind. See the meeting registration form and workshop descriptions.

SCHEDULED EVENTS

scientific program	workshops	poster sessions	Old San Juan / "Puerto Rico Night Out"
poster sessions	President's reception	CAP/FUDT	Elmer Gordon Open Forum.
Board of Directors	ABFT	FTCB	NIDA/NLCP
Fun run/walk	El Yunque rain forest / photo marathon		<i>the list goes on</i>

OTHER OPPORTUNITIES: The Westin has incredible scenic views and major beach fronts. There's gambling for those who want to try their luck. The El Yunque Rain Forest is in your back yard, as well as historic Old San Juan. Great (make that GREAT) food and plenty of Caribbean beverages. Since we are 19 miles from town, plan accordingly.

VENDORS: The Westin has a 40K+ square foot conference center which will provide the vendors with wonderful spaces either in the area adjacent to the beach veranda or in an exhibit hall format. All continental breakfasts, breaks, lunches, and poster sessions will be held either in or adjacent to the vendor areas. Lisa O'Dell will again be coordinating vendors. She can be reached by fax at 303-561-3808 or Email NomadLee9@aol.com

SERIOUS SCIENCE IN A RELAXED ATMOSPHERE - Dress is casual. Leave the ties and jackets on the mainland. The plan is to have enough free time for more one-to-one and informal group discussions.

For additional information, please contact one of the meeting committee members listed below:

		phone (voice)	fax	e-mail
Host	Flor Mattos	787-765-0615	787-759-8908	forenses@coqui.net
Scientific Program	Lee Hearn	305-545-2450	305-545-2452	leehearn@ocanect.net
Vendors	Lisa O'Dell	303-477-5976	303-561-3808	NomadLee9@aol.com
Program Coordinator	Laurel Farrell	303-692-3679	303-774-7821	farrell@oneimage.com
Committee member	Robert Zettl	303-886-4498	303-795-1654	jrzettl@ecentral.com



Society of Forensic Toxicologists 1999
October 9 – 14, 1999
Westin Rio Mar, Puerto Rico

PRELIMINARY MEETING SCHEDULE

Saturday, October 9, 1999

3:00 p.m. – 9:00 p.m. CAP Inspectors Workshop
5:00 p.m. – 8:00 p.m. Registration Open
Pre Conference Tours Available

Sunday, October 10, 1999

8:00 a.m. – 5:00 p.m. Registration Open
8:00 a.m. – 5:30 p.m. Workshop #1 Drugs, Driving and Traffic Safety: Update
8:00 a.m. – 12:00 p.m. Workshop #2 Workplace Drug Testing: Issues in Puerto Rico
12:00 p.m. – 6:00 p.m. ABFT Board Meeting
1:30 p.m. – 5:30 p.m. Workshop #3 Pathology for Toxicologists
1:30 p.m. – 5:30 p.m. Workshop #4 Ion Trap Users Workshop
7:00 p.m. – 11:00 p.m. NLCP Inspectors Workshop

Monday, October 11, 1999

7:00 a.m. – 8:00 a.m. SOFT Fun Run/Walk
8:00 a.m. – 5:00 p.m. Registration Open
8:00 a.m. – 12:00 a.m. ABFT Examination
8:00 a.m. – 12:00 p.m. Workshop #5 Pharmacology Reviews I: Selected New Drugs
12:00 p.m. – 6:00 p.m. SOFT Board of Directors Meeting
1:30 p.m. – 5:30 p.m. Workshop #6 Investigation of Drug-Facilitated Sexual Battery
2:00 p.m. - Exhibit Set-Up
6:00 p.m. – 10:00 p.m. Welcoming Reception

Tuesday, October 12, 1999

8:00 a.m. – 5:00 p.m. Registration Open
8:30 a.m. – 12:00 p.m. Scientific Session
12:00 p.m. – 1:00 p.m. Luncheon
9:00 a.m. – 4:00 p.m. Exhibits Open
1:00 p.m. – 3:00 p.m. Scientific Session
5:00 p.m. – 12:00 p.m. Visit to SanJuan/Puertorrican Night

Wednesday, October 13, 1999

7:00 a.m. – 8:30 a.m.	ABFT Breakfast Buffet
7:00 a.m. – 8:15 a.m.	Consultant's Discussion Group Get Together over Breakfast
8:00 a.m. – 5:00 p.m.	Registration Open
8:30 a.m. – 12:00 p.m.	Scientific Session
12:00 p.m. – 2:00 p.m.	Luncheon
2:00 p.m. – 3:00 p.m.	Vendor's Meeting
2:00 p.m. – 5:00 p.m.	Scientific Session
7:00 p.m. – 10:00 P.M.	President's Reception and Elmer Gordon Forum

Thursday, October 14, 1999

8:00 a.m. – 12:00 p.m.	Registration Open
8:30 a.m. – 12:00 p.m.	Scientific Session
12:00 p.m. – 1:00 p.m.	Luncheon
1:00 p.m. – 3:00 p.m.	Scientific Session/Closing
3:00 p.m. – 6:00 p.m.	Photo-Marathon El Yunque Rain Forest

Post conference tours available



Society of Forensic Toxicologists 1999
October 9 – 14, 1999
Westin Rio Mar, Puerto Rico

WORKSHOP PROGRAM ABSTRACTS

WORKSHOP #1 Drugs, Driving, and Traffic Safety: Update
Sunday, October 10, 1999 8:00 a.m. – 5:30 p.m.
Chip Walls, Moderator

A problem familiar to all of us in the forensic toxicology field...drug impaired driving. Solutions, methods of detection, something new and something old will be discussed. An update will be given on analytical methods currently used by toxicology labs supporting DRE programs. Methods that are suitable for detection and quantification of low concentrations of drug in small samples of blood or urine will be also discussed in detail.

How do people act under the influence of certain drugs commonly found in DUI/DWI cases? Learn the pharmacology and toxicology as they relate to human psychomotor performance. Lastly, and very integral to our job, is the role we play as forensic experts, and our interaction with the prosecution.

An experienced prosecutor will provide an overview of the key elements in a criminal DUI/DWI case, they will show the link between the lab, police and court which puts the case together. The ultimate goal is keeping the impaired driver off the road.

WORKSHOP #2 Forensic Urine Drug Testing: Issues in Puerto Rico
(To be conducted in Spanish)
Sunday, October 10, 1999 8:00 a.m. – 12:00 p.m.
Luz E. Droz, B.S., Moderator

One year after the new law enforcing workplace drug testing in public and private agencies, many issues have to be addressed. This workshop will address those issues and will help you professionals in the field to cope with the issues related to forensic urine drug testing.

WORKSHOP #3 Pathology for Toxicologists
Sunday, October 10, 1999 1:30 p.m. – 5:30 p.m.
Steven B. Karch, M.D., Moderator

This workshop is designed to provide toxicologists, particularly those who teach medical and graduate students, an overview of the anatomic changes seen in most common types of poisonings. Some drugs produce recognizable patterns of tissue injury. These changes are familiar to pathologists, but not to toxicologists. The first portion of the workshop will be devoted to the pathology of drug abuse, with special emphasis on the vascular and neuropathology of cocaine and methamphetamine. The microscopic alterations seen in myocardial infarction, coronary artery disease, myocardial fibrosis, myocarditis, cardiomyopathy and aortic dissection, and excited delirium will be reviewed.

The pathology of opiate toxicity will also be examined, with special attention to changes in the liver and lungs, and to the types of tissue injury produced by different sorts of drug adulterants. Time permitting, the

remainder of the session will be devoted to a review of common drug poisonings; the liver injuries associated with acetaminophen and aspirin poisoning (Reyes syndrome), the renal changes associated with ethylene glycol, and the lung injuries associated with paraquat and diphenhydramine will be illustrated.

WORKSHOP #4 Ion Trap Users Workshop
Monday, October 10, 1999 1:30 p.m. – 5:30 p.m.
Dave Johnson, Moderator

This workshop will provide a practical review of internal ionization ion trap GC/MS. Presentations will detail applications of advanced ion trap technology with an emphasis on operational considerations.

Following the presentations, we will have a panel discussion to provide an open exchange of analytical ideas. This workshop will be valuable for users of ion trap GC/MS in addition to individuals interested in learning about applications of the technology.

WORKSHOP #5 Pharmacology Reviews I: Selected New Drugs
Monday, October 10, 1999 8:00 a.m. – 12:00 p.m.
Lionel Raymon, Ph.D., Moderator

In recent years, knowledge of toxico-kinetics and dynamics has soared. With the recent advent of new drugs, often with very specific molecular mechanism of action, the forensic toxicologist is facing new challenges, not only analytical, but also interpretative. A strong knowledge of pharmacology is necessary to interpret data generated by forensic analyses.

The workshop will review the pharmacology underlying new drugs selected from forensically relevant classes. A general section on drug interactions through metabolism will review medically relevant cytochrome P450 systems, polymorphisms, induction and inhibition of this important biotransformation system and newer members of the flavin containing monooxygenases (FMO) system. Genotyping techniques will be presented.

This introduction to drug interactions will be followed by three hour long sessions covering: 1) the pharmacology of amine neurotransmitter degradative pathways, with the specific example of the new drug moclobemide, a reversible MAO inhibitor; 2) the pharmacology of GABA receptor, with an emphasis on allosteric modulation through the benzodiazepine receptors; illustration will review the new drug zolpidem; 3) the intricate pharmacology of dopamine/serotonin systems with the new atypical antipsychotic quetiapine.

WORKSHOP #6 Investigation of Drug Facilitated Sexual Battery
Monday, October 11, 1999 1:30 p.m. – 5:30 p.m.
Laureen Marinetti-Sheff

The incapacitation of a chosen victim or victims by the use of ethanol alone or in combination with other drugs is not a new phenomenon. This idea has been used to facilitate robbery, kidnapping and more recently sexual assault.

The workshop will focus on various areas important to the detection and prosecution of drug facilitated assault. Discussion on the various drugs involved, their pharmacology, trends across the United States and Canada, laboratory analyses, proper and timely specimen collection and prosecution strategies will be covered. This workshop will appeal to those in forensic, clinical and research laboratories as well as those in law enforcement.

PUERTO RICO S.O.F.T. 1999
OPTIONAL TOURS AVAILABLE

PRE CONFERENCE TOURS

- ◇ Old San Juan Historic-Half Day- 9:00 am or 12:00 noon-Guided Tour
Explore 500 years of history from the days of pirates & pieces of eight!
Experience & prowl through the battle areas of El Morro/San Cristobal Fortress.
Juan Ponce de Leon's home, & family church. Museums, shopping, fine cuisine and lots of fun. Fort entrance fee \$2.00 p/p.
- ◇ Bacardi Rum Distillery-Half Day Guided Tour- 9:00 am or 12:00 noon
Producers of rum since 1862, and owned by the "Bacardi" family. Start your tour in an open tram of the largest distillery in the world. Last year, over 21 million cases were sold world-wide. In addition, view the fermentation and bottling process. Visitors are treated to exhibits that chronicle the history, products and innovations in technology. The distillery absorbs the largest quantity of molasses produced on the island. Peek at their family life in the museum. Delight in the Pavilion's free drinks.
- ◇ Rain Forest-Half Days Guided Tour-8:30 am or 12:00 noon
A must see! "El Yunque"...the sacred Indian mountain! 28,000 acres reserve. Learn about Tropical forest. Hike, picnic and enjoy the cool mountain streams. Admire lush foliage with calm surroundings.
- ◇ Rain Forest/Luquillo Beach Combination-Full Day 9:00 am-5:00 pm.
The "sacred Indian mountain plus the joy experiencing another of the island beaches". Swim, relax, or prance on 5 mile stretch of sandy beach. Become part of the action while enjoying good Piña Coladas.

POST CONFERENCE TOURS

- ◇ Horseback Riding-Half Day-Hacienda Carabali- 10:30/12:30/2:30 pm
A guided 2 hr. tour through a unique natural environment, at the foothills of the Rain Forest. Ride gentle but spirited "Paso Fino" horse through small water streams with brief stops at designated intervals.
- ◇ Camuy Caverns-Full Day-Guided Tour
Millions of years old, nature adorned the cave ceilings with crystalline stalactites and flooring in mushroom mounds of stalagmites. Few cave system in the world are as massive or as dramatic. A unique experience. (Incl. Refreshments on board)

ORGANIZING HOST

DR. R. MATTOS, INSTITUTE OF FORENSIC SCIENCES
P.O. BOX 11878
SAN JUAN, PR. 00922-11878
Tel. (787) 765-0615 x 401
Fax (787) 759-8908





3rd ANNUAL S.O.F.T.



TOX 'N PURGE

WHEN:

1999 S.O.F.T. Meeting
Monday, October 11, 1999
7:00 AM



WHERE:

CARIBE HILTON
San Juan, Puerto Rico

Registration Includes:

- 3rd ANNUAL TOX 'N PURGE T-Shirt
- Prize for 1st place and random drawings after run for other prizes

5K FUN RUN/WALK

S.O.F.T. TOX 'N PURGE 5K FUN RUN/WALK Monday, October 11, 1999 • 7AM • Entry Fee: \$10 before Sept. 1st, \$15 after Sept 1st • Make checks payable to Karla Moore (TOX 'N PURGE FUN RUN/WALK) • Mail to: Karla Moore, AFIP/Forensic Tox, 1413 Research Blvd, Bldg 102, Rockville, MD 20850.

NAME

First

Last

ADDRESS

SHIRT SIZE

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AGE ON RACE DAY

PHONE

5K RUN

WALK

Liability waiver must be signed before mailing

I know that running a road race is a potentially hazardous activity and that I should not enter and run unless I am medically able and properly trained. I agree to abide by any decision of a race official relative to my ability to safely complete the run. I assume all risks associated with running in this event including, but not limited to: falls, contact with other participants, the effects of the weather, including high heat and /or humidity, altitude, traffic and the conditions of the road, all such risks being known and appreciated by me. Having read this waiver and knowing these facts and in consideration of your accepting my entry, I for myself and anyone entitled to act on my behalf, waive and release the organizers of the S.O.F.T. TOX 'N PURGE 5K FUN RUN/WALK and all other sponsors, their representatives and successors from all claims or liabilities of any kind arising out of my participation in this event or carelessness on the part of the persons in this waiver. Further, I grant permission to all of the foregoing to use any photographs, motion pictures, recordings, or any other record of this event for legitimate purposes.

Signature (parent or guardian if under 18) _____

Date _____