



# ToxTalk

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

VOLUME 24, No. 2

JUNE 2000

## ToxTalk Editor

Joseph R. Monforte, Ph.D., DABFT  
42408 N. Sombrero Rd.  
Cave Creek, AZ 85331-2821  
E-mail: DrMonforte@aol.com  
Fax: 480-595-6663  
Ph: 480-595-6646

## Editorial Board

H. Chip Walls, B.S.  
Jim Wigmore, B.Sc.  
Vincent Papa, Ph.D.

## Publisher

Patricia Mohn-Monforte

## SOFT Board of Directors

### President:

J. Robert Zettl, B.S., M.P.A.

### Vice Pres:

Michael L. Smith, Ph.D., DABFT

### Secretary:

Amanda Jenkins, Ph.D.

### Treasurer:

Laurel J. Farrell, B.A.

### Other Directors:

Bruce Goldberger, Ph.D., DABFT  
Graham Jones, Ph.D., DABFT  
Daniel Isenschmid, Ph.D., DABFT  
N.G.S. Rao, Ph.D., DABFT  
Timothy Rohrig, Ph.D., DABFT

## S.O.F.T. Administrative Office

P.O. Box 5543  
Mesa, AZ 85211-5543  
Phone/fax: 480-839-9106

Website: [www.soft-tox.org](http://www.soft-tox.org)

## 2000 SOFT Annual Meeting

Steven Wong, Ph.D., Co-Chair  
Susan Gock, M.S., Co-Chair  
Christine Goodall, B.S., Sec.  
Jim Oehldrich, Treasurer

## REGULAR FEATURES

President's Message ✂ Career Opportunities ✂ From the Editor's Desk ✂ Elmer Gordon Open Forum ✂ Professional Calendar

## TECHNICAL NOTES

**In The News:** FDA approves clinical trials for synthetic derivative of THC (Mozayani) ✂ Viagra finds favour with ravers but mixing it with club drugs is risky (Mozayani) ✂ Colombian Drug Problem (Monforte) ✂

**Case notes:** none submitted

## SPECIAL INTEREST

SOFT Drug-Facilitated Sexual Assault Committee Update and Survey (*LeBeau*)

A Closer Look at the SOFT Membership Committee (*Jenkins*)  
Collection Site Survey (*Moore North America*)

## INSERTS

SOFT By-Laws

SOFT 2000 Milwaukee Meeting

SOFT Drug-Facilitated Sexual Assault Committee Survey



## SOFT 2000 Milwaukee

Launching thirty years of forensic toxicology into the next millennium  
Hyatt Regency October 2-6, 2000

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: Aug. 1, 2000**

# PRESIDENT'S MESSAGE by J. Robert Zettl, B.S., M.P.A.

As the *New Millennium* is under way what is in store for the forensic scientist and what is the likely role to be played by the Society of Forensic Toxicologists for the next 100 years?

There are many that expose the theory that the new millennium does not actually start until next year. Whatever! I do know that come October 2<sup>nd</sup> SOFT will be holding its annual meeting in Milwaukee, Wisconsin, and the theme is "Launching Thirty Years of Forensic Toxicology into the Next Millennium".

If the preliminary SOFT 2000 meeting schedule is any indication, this should be a very educational event. Dr. Wong and his committee have 8 workshops on Monday and Tuesday covering a wide variety of topics, one or more which should fit the inquiring mind of our newest members. And maybe one or two for the older more mature toxicologist? SOFT workshops are either half or full day so be prepared to absorb. If workshops are not your thing then the general sessions Wednesday through Friday will have several plenary speakers to provide their spin on what they see as the future of forensic toxicology. As always the meeting will offer a number of scientific papers on the latest procedures, test methodologies and drugs of interest. The abstract closing date had been extended to June 1<sup>st</sup> to accommodate even the last procrastinator.

Last but not least, the Milwaukee meeting will offer plenty of time to mingle with your colleagues over food and drink. For the first timer SOFT was founded on the principal of being an educator of the young scientist. Having attended SOFT meetings for many years I can speak first hand of the help I received from the group on many occasions. Attend the Elmer Gordon open forum and see for yourself how Mr. Walls can entice the group to provide their expertise on problem solving. If you have a problem it is likely someone also has had the same problem and has maybe found a remedy. Though we have grown to several hundred, SOFT is still a group of working scientists who gather once a year to exchange ideas and to promote and hone their craft through sharing.

As I struggled with what to say in my first President's message I provided you with a look at your organization and some of the many who represent you. In this my second message, I wanted to emphasize YOUR organization's annual meeting and educational benefits. Grass roots training for the bench toxicologist will continue to be a mainstay of SOFT. Dr. Christine

Moore's Continuing Education Committee will be promoting courses for SOFT members so take advantage of them. Some will be on the cutting edge of the newest and latest technological issues and some will be the old standards that will always be needed until they are replaced. A blood alcohol is likely the number one test you and/or your facility may run, and likely the most boring. But how to do BA's properly still needs to be taught.

At the mid-year board meeting held in Reno, Nevada, in conjunction with the American Academy of Forensic Sciences, the SOFT Board made several decisions which directly impact the way we do business. At a future date the SOFT Directory will be online. This will allow us to update your information immediately if you change jobs or phone numbers, e-mail address, degrees, etc., and at some future date do away with the hard copy of the membership directory. Also the various SOFT drug monographs will be appearing online as well as any new ones as soon as they are finalized. If you have gone online, you have seen the recent changes to the SOFT website that Dr. Bruce Goldberger maintains. Electronic information exchange is SOFT's mainstay, and having an effective website will be essential in the new millennium.

I want to apologize to the SOFT Drugs and Driving Committee and its Chair. The SOFT board decided to merge its Drugs and Driving Committee with the AAFS Committee of the same name. This was done to provide the highest quality of information and to the benefit both groups' members. The SOFT Drugs and Driving Committee had taken on a leadership role in providing workshops and training sessions not only at its annual meeting (see Milwaukee Marijuana Forensic Symposium) but also at AAFS meetings. Thus, the boards thought process was to provide assistance to its committee and long time chair. However our committee viewed the merger as a slap in the face. Replacing a valuable committee or their chair was never the board's intent.

Lastly, I again urge you to attend this year's annual meeting and help us make it a scientific and social success. Join in, volunteer to be a moderator or assistant moderator, man the registration booth, be a ticket taker, turn in an abstract, or assist in some other way. Contact the Milwaukee organizing committee to volunteer. The Milwaukee information can be found elsewhere in this newsletter. A SOFT annual meeting incorporates a sense of family by blending social activities in and around its workshops, scientific session and plenary speakers.

SOFT is your organization-you make it what it is. ☺

## From The Editors Desk . . . Joseph R. Monforte, Ph.D., DABFT

In this issue of ToxTalk, Drugs In the News reports that Colombia is experiencing a huge drug problem resulting from the use of scopolamine for criminal purposes. One of the first (of several) perplexing cases I encountered in Wayne County, MI, in the early 1970s involved the use of scopolamine by a prostitute. She added the drug to her customer's drink and, unfortunately, the victim died. With the analytical tools available at the time, namely TLC and UV spectrophotometry, the laboratory was unable to detect scopolamine in any body fluids or drinking glass residues. The prostitute was later apprehended in Florida, where she just happened to have scopolamine in her possession. ☺



**Society of Forensic Toxicologists  
Milwaukee, Wisconsin  
October 2-6, 2000**



**Greetings from the Annual Meeting Committee**

Meeting plans have intensified as the deadline for submission of abstracts has passed. A few minor changes have been made to the schedule. They are detailed in the insert included in this issue. The most notable change was the decision to shorten the program on Friday to allow more flexibility in departure schedules. Instead of a picnic luncheon, we have planned a brunch buffet mid-morning. This will also provide more time for hotel checkout. A breakfast meeting for consultants has been added on Wednesday morning. Contact Robert O. Bost, (972) 394-5102 (voice) or [w001011@mail.airmail.net](mailto:w001011@mail.airmail.net)

When you submit your registration for the meeting, you will receive a letter of confirmation. In addition, you will receive a form asking you to volunteer a small amount of time at the meeting. The organizing committee for SOFT 2000, in traditional fashion, has volunteered their time to put together a meeting that will be enjoyable and beneficial. The success of the meeting will require member support. There are many opportunities to assist. Please take the time to review the schedule and find an activity that works well for you. We are looking forward to a successful meeting. ☺

Questions regarding the 2000 SOFT Annual Meeting should be directed to the committee members listed below. Please note that some of the e-mail addresses have been changed.

		<u>Phone</u>	<u>Fax</u>	<u>E-mail</u>
Co-chairs:	Steven Wong, Ph.D.	414-223-1227	414-223-1237	shwong@mcw.edu
	Susan Gock, M.S.	414-223-1228	same	SSGoc@aol.com
Secretary:	Christine Goodall, B.S.	608-263-7031		cr.goodall@hosp.wisc.edu
Treasurer:	Jim Oehldrich	414-382-7500		jim_oehldrich@email.msn.com

**MEETING AT A GLANCE:**

Sunday	Oct. 1	CAP inspector workshop, registration, optional tours
Monday	Oct. 2	Registration, ABFT examination, Workshops 1-4, ABFT board meeting, NLCP inspector workshop
Tuesday	Oct. 3	Fun run/walk, Workshops 5-8, SOFT board meeting, exhibit set up, welcoming reception
Wednesday	Oct. 4	Toxicology consultants breakfast, registration, poster set up, scientific/plenary sessions, exhibits, posters, SOFT business meeting, President's Reception, Elmer Gordon Open Forum, FTCB board meeting/exam
Thursday	Oct. 5	Registration, ABFT breakfast, scientific/plenary sessions, exhibits, posters, farewell dinner and dance
Friday	Oct. 6	Scientific/plenary sessions, brunch buffet, closing session (to 2 p.m.), optional tours ☺

**DON'T MISS THESE PLENARY SESSIONS**

**Opening Plenary Lecture:** *Informatics and Scientific Information Exchange in Forensic Toxicology* (Robert E. Gaensslen, Ph.D.)

**Plenary Lectures**

*Pharmacogenetics – A Basis for Drug Therapy and Toxicity*  
Mark W. Linder, Ph.D.

*Brain – Functional Study and Pathology for Toxicologists*  
John C. Csernansky, M.D., Gregory B. Couch,  
Elliot A. Stein, Ph.D., and Steven B. Karch, M.D.

*Critical Assessment of Alternative Samples*  
Bruce Goldberger, Ph.D., and Yale Caplan, Ph.D.

*Amphetamines – An Update*  
Barry K. Logan, Ph.D.

**Closing Plenary Lecture:** *Ethics – A Primer and Foundation for Toxicologists* (Joe Saady, Ph.D.)

# A CLOSER LOOK AT THE S.O.F.T. MEMBERSHIP COMMITTEE

*Submitted by Secretary Amanda Jenkins, Ph.D.*

According to the Bylaws, the Secretary of SOFT is also Chair of the Membership Committee. With this in mind I would like to introduce the committee to the membership as two members were added this year. In addition, I would like to take this opportunity to remind members of the criteria for membership in SOFT and also provide common sense information for potential references.

The membership committee for 2000 is comprised of Kenneth Sun, Ph.D. of Indiana; Michael Baylor of RTI, Daniel Anderson of the L.A. County Coroner's Office; and Glynn Chaney of LabCorp, Inc. in Tampa. Welcome to the committee for the latter two individuals and thanks for your contributions to the work of SOFT. Review and approval of applications for membership is an important task. Individuals often use membership in professional organizations as part of the criteria for qualification as an expert witness in court.

Applicants for membership should obtain a current application form from the Administrative Office. The form has the name of the current Secretary with the years the office will be held. Old application forms will no longer be accepted. Individuals wishing to become full members of SOFT must be engaged in the field of forensic toxicology at the time of application. This does not mean clinical toxicology or drug chemistry. In addition, individuals possessing a Bachelor level degree must have 6 years experience in the field, Masters level applicants must have 4 years, and Ph.D. applicants must have 2 years experience. Applicants must ensure their curriculum vitae is sufficiently detailed for the committee to determine the precise number of years of experience. If applicants are not engaged full time in forensic toxicology, the approximate percentage of time per year should be provided. This becomes important when the applicant has just sufficient experience to qualify. Individuals who do not qualify for full membership according to these criteria will be afforded associate membership status if they have an interest in forensic toxicology.

Potential references should realize that the membership committee relies heavily on their assessment of an applicant. The committee does no background investigation. References should know the individual they are writing about. One could argue what "know" means but may include the following--worked/working in the same lab.; collaboration on research projects; discussed forensic toxicology issues at local or national meetings; or had a teacher/student relationship. If the applicant does not know any SOFT members, encourage the individual to attend a SOFT meeting to meet members before applying. Furthermore, members should not provide references for individuals with whom they have a close personal relationship such as a spouse, significant other or sibling.

As a final matter, at the Board of Directors meeting in Reno in February, the Board directed the membership committee to review the application form for retired status and give recommendations, if any, for revision. The Secretary welcomes input from any member on these issues. ☺

**DO YOU KNOW SOMEONE WHO MIGHT BENEFIT FROM S.O.F.T. MEMBERSHIP?  
CONTACT THE SOFT ADMINISTRATIVE OFFICE FOR AN APPLICATION FORM.**

## **SOFT APPROVES NEW BY-LAWS**

Michael Smith, 1998-99 SOFT Secretary, has submitted the current SOFT by-laws, approved at the 1999 SOFT Annual Meeting, for your reference. A copy is inserted in this issue of **ToxTalk**.

You will also find these by-laws posted on the SOFT web-site. They can be downloaded from the "committees" page. ☺

Visit the SOFT Web-site at  
**[www.soft-tox.org](http://www.soft-tox.org)**

# "DRUGS IN THE NEWS"

## **FDA approves clinical trials for synthetic derivative of THC** (Press release May 11, 2000)

*Submitted by: Ashraf Mozayani, Pharm D., Ph.D., DABFT, Laboratory Director/ Chief Toxicologist, Harris County Medical Examiner Office, 1885 Old Spanish Trail, Houston, Texas 77054*

The U.S. Food and Drug Administration (FDA) has approved Atlantic Technology Ventures Inc.'s (ATLC) Investigational New Drug application to begin clinical trials for CT-3, an analgesic and anti-inflammatory drug, which is a synthetic derivative of tetrahydrocannabinol (THC), the active ingredient in marijuana.

The company has announced that Aster Clinical Research Center in Paris, France, will conduct the first scientific testing for CT-3 in Europe. This phase 1 clinical trial involves human volunteers and will begin in France this month.

Atlantic is developing CT-3, a patented synthetic derivative of carboxylic tetrahydrocannabinol (THC-7C), as an alternative to nonsteroidal anti-inflammatory drugs (NSAIDs). Preliminary cellular and animal studies have shown that CT-3 demonstrates analgesic and anti-inflammatory properties at microgram doses without central nervous system or gastrointestinal side effects. Atlantic plans to develop oral and parenteral formulations of the compound for pain and inflammation associated with a variety of disease states. ☞

## **Viagra finds favour with ravers but mixing it with club drugs is risky** (Toronto Star

*5/15/00) Submitted by: Ashraf Mozayani, Pharm D., Ph.D., DABFT, Laboratory Director/ Chief Toxicologist, Harris County Medical Examiner Office, 1885 Old Spanish Trail, Houston, Texas 77054*

CALGARY (CP) - Nightclub and rave cultures are mixing Viagra with illicit drugs despite warnings that users could be setting themselves up for heart attacks, some health experts say. Pharmaceutical company Pfizer introduced Viagra, an erectile dysfunction drug, in Canada more than a year ago and sales have topped \$1 billion.

But it's not just men with medical problems who are using the drug. Through online sales, Viagra is coming into favour at the all-night dance parties called raves. "I've heard of the recreational use of it in Calgary by younger people," said Dr. Curtis Bell, a physician subcontracted by Pfizer to lecture on the drug's use in Alberta. "Its attraction lies in the user being able to have more prolonged erections and hence have sex for a longer duration." Detective Steve Walton, of the Calgary police drug squad, said he has seized quantities of the prescribed medication in other illegal drug busts.

"Calgary seems to copycat the Toronto culture and I expect there to be a surge of the drug here over the summer," he said. Rave drugs such as ecstasy impair male sexual function. Its known as the "hug drug," since it increases the desire to touch and be touched, even though it reduces the libido. But used in combination with Viagra it can increase sexual desire.

Pfizer warns against using Viagra with ecstasy or with "poppers" (amyl and butyl nitrate). "Viagra is not an aphrodisiac and has no effect on the libido," said Don Sancton, director of corporate affairs for Pfizer, Canada. "It should only be used by people with erectile dysfunction and treated with all the respect given a prescription drug." British scientist Judith Aldridge said Viagra in combination with these drugs may lead to dangerously low blood pressure levels. ☞

## **Colombian Drug Problem** *Submitted by Joseph R. Monforte, Ph.D., DABFT, Forensic Toxicology Consultant, 42408 N Sombrero Rd, Cave Creek, AZ 85331*

Burundanga has replaced cocaine and heroin as the Colombian national drug problem. It is a tasteless and odorless powder which sends those who consume it into a voodoolike trance. Dozens of times each week, somewhere in Columbia, a criminal sprinkles the soluble powder into the food or drink of a victim, then waits for the person to turn into a disorientated zombie-awake and talkative, but powerless to resist orders. Criminals then tell their victims to make bank withdrawals, hand over their car keys and clothing, perhaps deliver narcotics, or even help empty their own apartments of furniture. Additionally, under the effects of burundanga, victims suffer temporary amnesia. Their memory goes blank until the effects of the drug wear off.

Columbia appears to be alone with the problem. Burundanga has been reported in Ecuador and Venezuela, but criminals in these countries seem to fear the substance, which can permanently impair or kill victims. If mishandled, it muddles up the crook instead of the victim.

Burundanga has been around since the discovery of the new world. Its active ingredient, scopolamine, is found in a plant from the nightshade family known as borrachera (drunken binge), which grows in the high Andes. In Bogota, most criminals now use laboratory-produced scopolamine from the black market. Since scopolamine can make users extremely aggressive, criminals mix it with other drugs, for example, tranquilizers. Colombians refer to the chemical cocktail as burundanga - and criminals offer it orally by adding it to food or drink or even as a powder in cigarettes. ☞

# SOFT Drug-Facilitated Sexual Assault Committee Update and Survey

Submitted by Marc LeBeau, MS, Chairman, SOFT Drug-Facilitated Sexual Assault Committee

The SOFT Drug-Facilitated Sexual Assault (DFSA) Committee has made great strides in its short history. Members of the committee banded together to develop recommendations for investigators, counselors, prosecutors, and toxicologists who are involved in DFSA cases. These guidelines were specifically designed to allow the forensic toxicologist to thoroughly investigate claims of drug-facilitated assaults. The recommendations were published in the January 1999 issue of the *Journal of Forensic Sciences*.

The committee has also developed a slide program to train the same audience. Numerous members of the group have donated their time to providing free training about DFSA throughout the country. Please contact one of the committee members if you need training in your area.

There have been limited studies that look at the prevalence of DFSA crimes. Our next big endeavor is to track cases of DFSA and the important facts surrounding through the development of a database. Data will first be collected from SOFT members. Later, an effort will be made to collect information about these cases from law enforcement, rape crisis counselors, and medical professionals.

Enclosed in this issue of **ToxTalk** is the survey form. If you have had any DFSA cases, please take the time to fill this survey out for each case. It is a very thorough survey, yet the details are important to understand this crime. Keep in mind that we are interested in all cases of suspected DFSA, even those with "negative" toxicological findings. Results from the database will be available to the SOFT membership at annual meetings and through **ToxTalk**.

Questions should be directed to Mark LeBeau at [mlebeau@cox.rr.com](mailto:mlebeau@cox.rr.com) or 202-324-4329.

**Please submit your completed survey form no later than September 1<sup>st</sup>.** ☹

## CASE NOTES

None submitted – Why isn't YOUR short case note here?



## DON'T MISS THESE IMPORTANT MEETING DEADLINES

*You WILL NOT receive another ToxTalk before some of these dates*

**JULY 1** – If you haven't already registered for the meeting, you've definitely missed this opportunity. A SOFT logo jacket will now cost you \$20.

**JULY 15** – The late fee will be applied to your meeting registration

**AUGUST 24** – No mail registrations will be accepted after this date. You will have to register at the meeting and pay an additional fee.

**SEPTEMBER 1** – After this date, the "Fun Run" entry fee increases from \$10 to \$15.

**SEPTEMBER 2** – This is the cut-off date to make your reservations at the SOFT group rate. However, do not wait until the last minute since the reserved block is assigned on a "first come..." basis.

**SEPTEMBER 5** – No refunds will be made after this date.

# Moore North America Collection Site Survey

## Background

Moore North America mailed a survey to 500 randomly selected members of a national industry association last year. More than 200 surveys were returned, resulting in a response rate of 42 percent. Sampling projected results have a 95 percent confidence level, +/- 6 percent.

## Chain of Custody Forms

- The most common errors listed in order of frequency:
  - Incomplete form, other than signature
  - Collector's signature missing
  - Wrong form or kit
  - No donor identification number
  - Donor signature is missing
  - Donor name is written on form
- Suggestions to eliminate errors:
  - Universal/standard forms: 25.2 percent
  - Reduce number of signatures/initials: 24.5 percent
  - Shaded/highlighted areas: 14.1 percent
  - Standard training/retraining: 12.3 percent
  - Reduce number of data entries: 11.7 percent
- Suggestions to make it easier to select the correct form:
  - Universal form: 42.7 percent
  - Client furnishes complete information: 12.1 percent
  - Good filing system: 8.9 percent
  - Donor brings preprinted form: 7.3 percent
- The majority of chain of custody forms are not federally regulated by the Department of Transportation:
  - 58 percent of urine collections are not federally regulated
  - 42 percent of urine collections are federally regulated
- Number of chain of custody form versions per collections site:
  - One to 10 forms: 32.4 percent
  - 11 to 20 forms: 19 percent
  - 21 to 30 forms: 14.8 percent
  - 31 to 40 forms: 6.7 percent
  - 40 or more forms: 27.2 percent
- 88 percent of collection sites use one of four systems to organize chain of custody forms:
  - Rely on files: 36.3 percent
  - Organize forms alphabetically: 22.5 percent
  - Store forms in bins by company: 18 percent
  - Organize forms by laboratory: 5.6 percent

Contact Kathy Petrick, national program manager, specializing in laboratory and healthcare labeling solutions for Moore North America, for more information on the national collection site survey at 612-844-2048. The Moore Internet address is [www.moore.com](http://www.moore.com).

## 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 (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 now 3 hours behind the east coast.

The e-mail address is : [DrMonforte@aol.com](mailto:DrMonforte@aol.com) -or- [monforte@juno.com](mailto:monforte@juno.com)

Other items of interest to SOFT members are also welcome.

**Next ToxTalk deadline: AUGUST 1, 2000**

# ELMER GORDON OPEN FORUM

## AN OPPORTUNITY FOR INFORMAL DIALOGUE

Send items for this section to Editor Joseph Monforte e-mail [DrMonforte@aol.com](mailto:DrMonforte@aol.com) or fax to 480-595-6663).

**Editor's note:** We thank you for your inquiries regarding Pat's recovery from a commercial van -vs- our Jeep accident. (The Jeep lost!) After more than 30 physical therapy sessions and a recent injection, her shoulder finally feels as if it is recovering, and she is able to spend more time at the computer. As long as she limits some activities and aggressively follows a therapeutic exercise plan, we expect a full recovery.

**Congratulations to Tom and Judy Manning** who recently became first-time grandparents with the recent birth of their grandson. ✂

PRESIDENT ZETTL WELCOMES YOUR INPUT!  
e-mail him at [jrzettl@ecentral.com](mailto:jrzettl@ecentral.com)

## 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, FAX (480-595-6663) or E-MAIL ([DrMonforte@aol.com](mailto:DrMonforte@aol.com)) to ToxTalk or mail to: Dr. Joseph Monforte, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821.*

No information was received for this issue. ✂

## PROFESSIONAL CALENDAR

**SOFT MEETING:** SOFT 2000 "Launching thirty years of forensic toxicology into the next millennium" October 2-6, Hyatt Regency, Milwaukee, WI Co-chairs: Dr. Steven Wong 414-223-1227 ([shwong@execpc.com](mailto:shwong@execpc.com)) and Sue Gock 414-223-1228 ([sgock@execpc.com](mailto:sgock@execpc.com))

Future meetings: 2001 - New Orleans, LA - Pat Pizzo  
2002 - Detroit, MI - Dan Isenschmid /Brad Hepler  
2003 - Portland, OR - Kent Johnson

**Northeastern Association of Forensic Scientists (NEAFS)** annual meeting: October 11-14, 2000, Saratoga Springs, NY. Contact Christopher Montagna – fax 207-287-6832, e-mail [foren-tech@pivot.net](mailto:foren-tech@pivot.net), or phone 207-287-2727 for further information.

---

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

**Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor**  
**42408 N. Sombrero Rd, Cave Creek, AZ 85331-2821**

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

E-mail: [DrMonforte@aol.com](mailto:DrMonforte@aol.com)

# SOCIETY OF FORENSIC TOXICOLOGISTS, INC.

## BYLAWS

### CHAPTER I. NAME AND OBJECTIVE

#### Section 1. Name

The name of this organization shall be the Society of Forensic Toxicologists, Inc. (hereinafter referred to as SOFT).

#### Section 2. Objectives

The objectives of SOFT, in the public interest, shall be to:

- A. Provide an organization of professional forensic toxicologists, defined as those qualified scientists engaged in the analysis of body fluids and tissues for drugs and/or poisons and in the interpretation, in a judicial context, of the information generated by such analyses.
- B. Promote the establishment and acceptance of uniform qualifications and requirements for the certification and/or licensure of forensic toxicologists by an independent body, and to support mechanisms for their certification and periodic recertification.
- C. Stimulate research and development in the field of forensic toxicology.
- 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 allied fields.
- E. Promote education and training in forensic toxicology.
- F. When appropriate and upon request, to provide impartial boards of review for cases involving differences of professional opinion in the field of forensic toxicology.
- G. When appropriate and upon request, review and make recommendations on pending or existing legislation which relates to the field of forensic toxicology provided such legislative activity is germane to the common business interests of the Corporation.
- H. Consider and act upon administrative and career problems affecting forensic toxicology as a profession, and promote the welfare of forensic toxicologists.
- I. Promote and assist in (1) the continued development of the field of forensic toxicology, and (2) bringing about adequate availability of forensic toxicology services to units of government, organizations, and persons in need thereof.

## CHAPTER II. MEMBERSHIP

### Section 1. Qualifications

- A. Membership in SOFT shall be available to individuals who have demonstrated their ability to function as forensic toxicologists as recognized by SOFT and who are actively engaged in forensic toxicology at the time of application. Actions concerning membership in SOFT shall be taken without regard to an affected individual's race, color, religion, sex or national origin.
- 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 experience in forensic toxicology
  - B.S. or B.A. and 6 years experience in forensic toxicology
- C. Applicants must be sponsored by two (2) Full Members of SOFT in good standing.

### Section 2. Membership Categories

- A. FULL MEMBERS: Full members are those who fulfill the qualifications set forth in Section 1. above, and who are actively engaged in the practice of forensic toxicology. They must pay dues and have full voting privileges.
- B. ASSOCIATE MEMBERS: Applicants who do not qualify for Full Member status, but who demonstrate interest in forensic toxicology are eligible for associate membership. Associate members pay dues but do not have voting privileges.
- C. RETIRED MEMBERS: Retired Members are Full Members or Charter Members with at least 25 years experience in forensic toxicology or 10 years of Full Member or Charter Member status in SOFT and who have reached the age of 65. Retired Members have voting privileges but do not pay dues. Applications for Retired Member status must be submitted to the Secretary of SOFT and approved by the Board of Directors.
- D. CHARTER MEMBERS: Charter Members are Full Members who have attended at least one annual meeting prior to the meeting of 1975.
- E. STUDENT MEMBERS: Students pursuing degrees and careers in disciplines related to forensic toxicology may apply for Student Member status. Any person formally enrolled in such a degree program may be considered a Student. Student Members do not have voting privileges.

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.
- B. A member in any category who fails to remit dues after a second written notice from the Treasurer shall be dropped from membership on June 1 next following such dues-owed notification. Dropped members may reapply for the appropriate category of membership after paying any dues owed at the time of termination of prior membership.
- C. A member in any category may be censured or may be expelled from SOFT for unethical or other 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 1. Officers and Terms of Office

- A. There shall be four elected officers of SOFT. These shall be a President, Vice President, Secretary, and Treasurer.
- B. The President and Vice President shall be elected for terms of office of one calendar year beginning January 1. The Secretary and Treasurer shall be elected in alternating years for a term of two calendar years beginning January 1. No officer shall serve more than two (2) consecutive full terms in any one office.

Section 2. Board of Directors

The Board of Directors shall consist of nine (9) voting members, four (4) of whom must be elected officers of SOFT. Directors shall be elected for a term of three (3) years beginning January 1. The immediate Past President and the Newsletter Editor shall serve as non-voting members of the Board.

Section 3. Qualification of Elected Officers and Directors

All officers and other members of the Board of Directors must be Full Members of SOFT.

Section 4. Elections

Elections shall be held during the business meeting of the annual meeting.

Section 5. Duties of Officers

A. PRESIDENT. The President as the principal executive of SOFT, under the direction of the Board of Directors:

1. Presides at all SOFT meetings.
2. Presents an annual report to the membership at the annual meeting.
3. Appoints all committees.
4. Insures that all records, reports, and certificates required by law are properly kept and filed.
5. Is empowered to co-sign checks and drafts with the Treasurer of SOFT.
6. Holds interim meetings as needed or as requested by either the Board of Directors or by referendum of the membership.
7. Shall respond to the petition of members by acknowledgment within fourteen (14) days of the receipt of such a petition. The President shall then refer said petition to the Board of Directors.
8. Has other such powers as normally vested in the executive officer of a membership organization
9. Shall serve as ex-officio member of all committees.

B. VICE PRESIDENT. In the absence of the President, the Vice President shall perform all functions normally performed by the President.

C. SECRETARY. The Secretary:

1. Shall keep and publish an accurate record of the proceedings of SOFT
2. Shall have charge of all papers, keep all records, make such reports and perform such duties as are incidental to the office and required by SOFT
3. Shall keep, or cause to be kept, a register of current addresses of each member of SOFT and shall at intervals approved by the Board of Directors prepare, or cause to be prepared, a membership directory.

D. TREASURER. The Treasurer:

1. Shall receive, record and deposit all monies received by SOFT

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 five thousand dollars (\$5,000).
- B. Review and take action in all petitions submitted by the membership.
- C. Provide for an annual audit of the Treasury.
- D. Approval of appointment of special committees.

Section 7. Executive Committee

- A. The Board of Directors shall have an Executive Committee consisting of the President, the Vice President, the Secretary, the Treasurer, and one (1) voting non-officer director selected annually by the non-officer directors. The President shall serve as chairman of the Executive Committee, and the Secretary shall serve as its secretary. All remaining voting members of the Board of Directors shall be alternate members of the Executive Committee and eligible to serve as replacements for any absent or unavailable regular member(s) thereof. A quorum of the Executive Committee for all purposes shall be four (4) of its members or their alternates; and its actions shall require a majority vote unless otherwise provided in the Certificate of Incorporation or these Bylaws.
- B. The Executive Committee shall be empowered to act for and on behalf of the Board of Directors between meetings of said Board, except as may be otherwise provided in the Certificate of Incorporation or these Bylaws or the laws of the State of Delaware, on matters which require urgent action. All actions taken by the Executive Committee shall conform to the applicable provisions of these Bylaws concerning the conduct of business, shall be reported as soon as practicable to the full Board of Directors, and shall be subject to review and ratification by the full Board of Directors. The Executive Committee shall not be empowered to adopt an agreement of merger or consolidation; dissolve the Corporation or dispose of substantially all of the corporate property and assets; elect, replace, or remove officers or members of the Board of Directors, amend or repeal or nullify any resolution or other action of the Board of Directors which by its term shall not be so amendable or repealable; or take any other action interdicted by resolution adopted by the Board of Directors.

Section 8. Vacancies in Office

- A. In the event of a vacancy in the office of President, the Vice President shall succeed to the presidency for the remainder of the unexpired term.
- B. Vacancies in any other office shall be filled by the Board of Directors by selection, by majority vote, of a qualified Full Member to serve for the remainder of the current calendar

year. The remainder of the current term, if any, shall be filled by vote of the membership at the next election.

- C. Vacancies among voting members-at-large of the Board of Directors shall be filled by the Board of Directors by selection, by majority vote, of a qualified Full Member to serve for the remainder of the unexpired term.
- D. Service by a member as an officer or director-at-large to fill an unexpired term shall not affect such member's eligibility for subsequent election to the same or any other office.
- E. All officers and directors-at-large shall serve until the expiration of their respective terms of office and until their respective successors have been elected and qualified.

#### **CHAPTER IV. MEETINGS AND CONDUCT OF BUSINESS**

##### Section 1. Annual Meeting

- A. **TIME AND PLACE:** An Annual Meeting shall be held at a time and place selected by the President and approved by the Board of Directors. Ten (10) percent of the Full Members shall constitute a quorum.
- 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. Approval of the minutes of the last Annual Meeting of SOFT.
  - 3. Report of the Officers or Board of Directors
  - 4. Report of the Committees
  - 5. Unfinished Business
  - 6. New Business
  - 7. Nominations from the floor
  - 8. Elections
  - 9. Adjournment

##### Section 2. Meeting of the Board of Directors

There shall be at least one meeting of the Board of Directors prior to the convening of the Annual meeting.

Section 3. Attendance at Scientific Meetings

The scientific meetings and sessions of SOFT shall be open to all interested persons upon registration and payment of stipulated fees.

Section 4. Alternative Conduct of Business

- A. Business of the Society and of the Board of Directors and of committees of the Society, including that of special meetings, may be conducted and action(s) may be taken by them by three (3) different means: (1) At meetings constituting an assembly of all participants, (2) at meetings consisting in whole or in part of electronic communication by one or more of the participants, and (3) by unanimous written agreement of all members of the Board of Directors or the committees concerned.
- B. Members of the Board of Directors, or of a committee thereof, or of a committee of the Society may participate in a meeting of such Board or committee by means of telephone conference or similar communications equipment by means of which all persons participating in the meeting can hear each other at the same time. Such participation shall constitute presence at such meeting, members thus participating in a meeting shall be counted in determining the existence of a quorum, and the relevant provisions of these Bylaws pertaining to the conduct of business shall apply.
- C. Business may also be conducted and action(s) taken without the holding of a meeting, if all members of the Board of Directors or committee thereof or committee of the Society, as the case may be, consent in writing to the action(s) to be taken. The unanimous written consents to the action(s) shall be filed with the minutes or record of proceedings of the Board of Directors or committee concerned.

Section 5. Fiscal Year

The fiscal year of the Society shall annually begin on January 1 and end on December 31.

**CHAPTER V. COMMITTEES**

Section 1. Nominating Committee

- A. COMPOSITION OF THE NOMINATING COMMITTEE: The President with the approval of the Board of Directors shall appoint a Nominating Committee consisting of three (3) Full Members, each having a one (1) year term of office. No member of this committee shall serve consecutive terms.
- B. DUTIES OF THE NOMINATING COMMITTEE: The Nominating Committee shall provide a slate of officers and members-at-large of the Board of Directors to the Full Membership of SOFT at least thirty (30) days prior to the start of the Annual Meeting.

Section 2. Membership Committee

- A. **COMPOSITION OF THE MEMBERSHIP COMMITTEE.** The Membership Committee shall consist of the incumbent Secretary serving as chair ex-officio with vote, and of three (3) additional at-large Full Members serving staggered three (3) year terms. No member at-large of this committee shall be reappointed to this committee until a period of three (3) years has elapsed after the completion of a term of service on this committee.
- B. **DUTIES OF THE MEMBERSHIP COMMITTEE:** The duties of this committee shall be to process membership applications in a manner consistent with the Bylaws and policies of SOFT.

### Section 3. Other Ad Hoc Committees

The President shall appoint such Ad Hoc committees as he/she deems necessary or are required by the Board of Directors.

## **CHAPTER VI. DISTRIBUTION OF ASSETS ON DISSOLUTION**

In the event of lawful dissolution of the Society, following the payment of all just debts and obligations of the Society, the net assets of the society shall be conveyed pursuant to designation by the Board of Directors to one or more organizations devoted to purposes and activities similar to those of the Society, provided that the organization or organizations so designated shall be exempt from federal income tax under Section 501(c)(6) of the Internal Revenue Code of 1954, as amended.

## **CHAPTER VII. PARLIAMENTARY AUTHORITY**

Robert's Rules of Order Newly Revised shall determine parliamentary practice and procedure in all cases to which they apply except where inconsistent with these Bylaws.

## **CHAPTER VIII. AMENDMENTS**

Any part of these Bylaws may be amended by a two-third (2/3) majority of the voting members present at any regular meeting where a quorum exists, or by a two thirds (2/3) majority of voting members casting a mail ballot. Notice of each proposed amendment shall be given by mail or other means to all voting members at least thirty (30) days prior to the meeting at which such amendments are to be considered, or at least thirty (30) days prior to the stated deadline for receipt by the Secretary of returned mail ballot votes.



**Society of Forensic Toxicologists (SOFT)  
Drug-Facilitated Sexual Assault Committee Survey**

Specimens and Analytical Results:	Specimen Type:	Amount:	Preservatives:	Collection Date:	Time:	Positive Findings:	Importance of Findings: <sup>1</sup>	Negative Findings: <sup>2</sup>	Methods: <sup>3</sup>	Detection Limit:

**Additional Comments:<sup>2</sup>**

<sup>1</sup> C=Causative Finding; I=Incidental Finding; U=Unknown Relation  
<sup>2</sup> If more space is needed, please use include this information on a separate sheet of paper.  
<sup>3</sup> IM=Immunoassay; GC=Gas Chromatography; LC=Liquid Chromatography; TLC=Thin Layer Chromatography; GCMS=Gas Chrom/Mass Spec; LCMS=Liquid Chrom/Mass Spec; define others

# SOFT 2000

October 2-6

Milwaukee, Wisconsin

*Launching thirty years of forensic toxicology  
into the next millennium*





*Society of Forensic Toxicologists*  
**Milwaukee, Wisconsin**  
**October 2-6, 2000**



**MEETING INFORMATION**

**Registration Information**

The basic meeting registration includes admission to all scientific sessions, abstract book, Welcoming Reception, Elmer Gordon Forum, Farewell Dinner & Dance, Luncheons Wed-Fri, and all coffee breaks. Each workshop has an additional fee. Registration is encouraged prior to July 1<sup>st</sup>, 2000 to include a free jacket with the SOFT 2000 logo. After July 1<sup>st</sup>, the jacket must be ordered at \$20.00 each. Accompanying persons require tickets for all meals and social events. Prices are noted on the registration form.

**Payment Deadlines**

A late fee of \$50.00 will be charged on all registrations received after August 15, 2000. No mail registrations will be accepted after August 24, 2000. Payment must be made by credit card, check drawn on a USA bank, International Bank Check or Money Order. All funds must be paid in US dollars. If registration is cancelled, and a refund is requested, a \$50.00 fee will be deducted from the original payment. **No refunds** after September 5, 2000.

**Hotel Registration and Transportation**

Reservations for rooms should be made directly with the hotel. A reservation form is included in the packet. The meeting will be held at the newly renovated Hyatt Regency Hotel in the heart of downtown Milwaukee. The toll free number is 800-233-1234 or via the Internet – [www.milwaukee.hyatt.com](http://www.milwaukee.hyatt.com). For conference rates specify SOFT. Parking is available next to the hotel at the rate of \$9.00 per day.

For flights directly into Milwaukee use General Mitchell International Airport. The Milwaukee hotels shuttle departs every 20 minutes from 7:40 a.m. – 11:40 p.m. from the center island outside baggage claim #2. Tickets may be purchased at the red booth located in the baggage claim area for \$8.50. The approximate cost of a taxi from the airport to the hotel is \$20.00. Alternately, if flying into Chicago O-Hare Airport, it will take 2 ½ to 3 hours by ground shuttle from Chicago to the hotel, at an approximate cost of \$20.00. Several options are available. United Limo can be reached at 800-833-5555 or visit [www.busville.com](http://www.busville.com). For Bluebird non-stop service from Chicago to Milwaukee call 800-400-5500. Both of these services stop at the Amtrak station in downtown Milwaukee within one mile of the hotel. From there a taxi stand is available for the short ride to the hotel.

**Tour Reservations**

Pre- and post-conference tours must be booked directly with the company. The conference organizers take no responsibility for the tours. However, we would be happy to answer any questions that you have. Contact the social event coordinator, Jana Champion, at 414-382-7500 or at [championjl@doj.state.wi.us](mailto:championjl@doj.state.wi.us)

**Special Needs**

The Hyatt Regency Milwaukee in conjunction with the SOFT 2000 organizing committee seeks to provide equal access to the programs, services and activities of this meeting to people with special needs. Special needs requests including dietary needs (ie. vegetarian, etc.) can be addressed to Susan Gock at 414-223-1228 or at [ssgoc@aol.com](mailto:ssgoc@aol.com)



*Society of Forensic Toxicologists*  
**Milwaukee, Wisconsin**  
**October 2-6, 2000**



**PRELIMINARY MEETING SCHEDULE**

**SUNDAY, October 1, 2000**

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

**MONDAY, October 2, 2000**

7:30 a.m.-5:00 p.m. Registration  
8:00 a.m.-12:00 p.m. ABFT Examination  
8:00 a.m.-12:00 p.m. Workshop #1 Forensic Applications of LC/MS at the Beginning of the 21<sup>st</sup> Century  
8:00 a.m.-12:00 p.m. Workshop #2 Automated Data Reduction of HP GC/MS Analysis via Macro Programming  
12:00 p.m.-6:00 p.m. ABFT Luncheon and Board Meeting  
1:30 p.m.-5:30 p.m. Workshop #3 Benzodiazepines: Pharmacology and Analytical Challenges  
1:30 p.m.-5:30 p.m. Workshop #4 Automation of Micro-Plate Enzyme Immunoassay Systems in Forensic Analysis  
7:00 p.m.-11:00 p.m. NLCP Inspector Workshop

**TUESDAY, October 3, 2000**

6:30 a.m.-7:30 a.m. SOFT Fun Run/Walk  
7:30 a.m.-5:00 p.m. Registration  
8:00 a.m.-5:30 p.m. Workshop #5 Marijuana Forensic Symposium  
8:00 a.m.-12:00 p.m. Workshop #6 Pharmacology and Toxicology of Drugs Used in the Treatment of Infectious Disease  
12:00 p.m.-6:00 p.m. SOFT Board of Directors Meeting  
1:30 p.m.-5:30 p.m. Workshop #7 The Forensic Toxicological Aspects of Chemical Terrorism  
1:30 p.m.-5:30 p.m. Workshop #8 Pharmacology Reviews II: Selected Cardiovascular Drug Toxicology & Update on Pharmacogenetics  
2:00 p.m.-  
6:30 p.m.-10:30 p.m. Welcoming Reception at Milwaukee County Museum

**WEDNESDAY, October 4, 2000**

7:00 a.m.-8:30 p.m. Toxicology Consultants SIG Breakfast  
7:30 a.m.-5:00 p.m. Registration  
7:00 a.m.-9:00 a.m. Poster set up  
8:00 a.m.-8:15 a.m. Welcome and Opening of Scientific Program  
8:15 a.m.-12:00 p.m. Scientific/Plenary Session  
9:00 a.m.-3:30 p.m. Exhibits and Posters Open  
12:00 p.m.-1:00 p.m. Luncheon  
1:00 p.m.-3:45 p.m. Scientific/Plenary Session  
4:00 p.m.-5:30 p.m. SOFT Business Meeting  
7:00 p.m.-10:00 p.m. President's Reception and Elmer Gordon Forum  
7:00 p.m.-10:00 p.m. Exhibits Open  
To be announced FTCB Board Meeting/Exam

**THURSDAY, October 5, 2000**

7:30 a.m.-12:00 p.m. Registration  
7:00 a.m.-8:30 a.m. ABFT Breakfast  
8:00 a.m.-9:00 a.m. Vendor's Meeting  
8:00 a.m.-12:00 p.m. Scientific/Plenary Session  
9:00 a.m.-3:00 p.m. Exhibits and Posters Open  
12:00 p.m.-1:00 p.m. Luncheon  
1:00 p.m.-5:00 p.m. Scientific/Plenary Session  
6:00 p.m.-12:00 a.m. Farewell Dinner and Dance with Vendor Recognition

**FRIDAY, October 6, 2000**

8:00 a.m.-10:30 a.m. Scientific/Plenary Session  
10:30 a.m.-11:30 a.m. Brunch Buffet  
11:30 a.m.-2:00 p.m. Scientific/Closing Plenary Session  
Post conference tours available

**For further information contact:**

Dr. Steven Wong  
Co-chair

Phone: 414-223-1227  
E-mail: [shwong@mcw.edu](mailto:shwong@mcw.edu)

Sue Gock  
Co-chair

Phone: 414-223-1228  
E-mail: [SSGoc@aol.com](mailto:SSGoc@aol.com)

Christine Goodall  
Secretary

Phone: 608-263-7031  
E-mail: [cr.goodall@hosp.wisc.edu](mailto:cr.goodall@hosp.wisc.edu)

Jim Oehldrich  
Treasurer

Phone: 414-382-7500  
E-mail: [jim\\_oehldrich@email.msn.com](mailto:jim_oehldrich@email.msn.com)



# SOFT 2000 Milwaukee

*Launching thirty years of forensic toxicology into the next millennium*  
Hyatt Regency October 2-6, 2000



## WORKSHOP PROGRAM ABSTRACTS

### **Workshop #1** *Forensic Applications of LC/MS at the Beginning of the 21<sup>st</sup> Century* – Adam Negrusz, Chair

Liquid chromatography-mass spectrometry (LC-MS) becomes increasingly popular in forensic toxicology due to better sensitivity, applicability to drugs difficult to analyze using GC-MS, simplicity and lower cost of instrumentation. This workshop will present practical applications of LC-MS in the forensic toxicology laboratory including forensic urine drug testing and analysis of postmortem samples. Attendees should gain theoretical and practical information regarding different types of instrumentation as well as analytical method development and validation issues.

### **Workshop #2** *Automated Data Reduction of HP GC/MS Analysis via Macro Programming* – Chip Walls, Chair

This workshop's first objective is to introduce and enhance the participant's knowledge of macro programming for automated data reduction and report output in the HP GC/MS Chemstation environment. This workshop is for users who would like to know more about macro programming, key commands and their use in data analysis. Example macros will be provided to illustrate features and functions of macros. The objective is to provide adequate information about macro programming so the participant may continue to write and use their own macros to solve specific requirements of their laboratory.

Every toxicologist needs to keep track of information: case histories, results, QC data and reports. We are all in search of easy but powerful tools for managing information. However, most of the commercially available LIMS systems often do not meet our needs, are too costly, or make you conform to system limitations. The second objective of this workshop is to address the use of "off the shelf" database software solutions in the management of a forensic toxicology laboratory. Practicing toxicologists will share their experiences in the adaptation of such software programs as Access® or Excel® in solving everyday needs of laboratory operations.

This workshop will be a success BECAUSE everyone is encouraged to bring examples of their HP macros or database experiences to share with fellow toxicologists. A SOFT computer users group could be the fallout from this workshop.

### **Workshop #3** *Benzodiazepines: Pharmacology and Analytical Challenges* – Michael Robertson, Chair

Benzodiazepines remain one of the most commonly prescribed family of medications. In addition, they are widely misused and abused psychoactive medications, frequently encountered by the forensic toxicologist. This workshop will review basic pharmacology and toxicology of old and new benzodiazepines and the implications on driving impairment, drug-facilitated sexual assault and benzodiazepine related fatalities. Each aspect will be case illustrated. Following this, a review of the legal and illegal benzodiazepine using population will focus on the reasons for use, with emphasis on illicit use and misuse. Of particular importance to the toxicologist are the analytical and interpretive challenges associated with benzodiazepines. A review of simple screening procedures and the rational limitations will be presented, followed by a review of practical GC and HPLC techniques with and without MS detection. Implications on actual cases will be presented. The workshop concludes with interpretation of results, especially those associated with impairment and death. Discussion of postmortem phenomena, such as postmortem stability and transformation, and how these may affect results will be described and illustrated by actual case examples.

### **Workshop #4** *Automation of Micro-Plate Enzyme Immunoassay Systems in Forensic Analysis* – Christine Moore, Chair

Micro-plate enzyme immunoassay systems are being used increasingly in the forensic laboratory for the analysis of toxicological samples including whole blood, urine, saliva and hair. This workshop will provide information on the automation of micro-plate systems in order to increase productivity and assay precision as well as reduce turnaround time. Commercially available automated systems will be discussed and, hopefully, demonstrated to workshop participants. Presenters will focus on the use of these automated units for the analysis of specimens of forensic interest to the attendees.

### **Workshop #5** *Marijuana Forensic Symposium* - Chip Walls, Chair

Marijuana continues to generate a great deal of interest in the field of forensic toxicology regarding its effects, particularly in the area of human behavior. The symposium will begin with an introductory presentation on the history of the psychotropic use of marijuana. This will be followed by a group of presentations dealing with the mechanisms of action of marijuana with discussions to include PET imaging, EEG findings, CNS and peripheral effects. The next section will present metabolism, pharmacokinetic aspects of marijuana including kinetic data from controlled clinical studies and interpretive relationships between biofluids/tissue concentrations of THC (and metabolites) with the observed effects following marijuana exposure. The third panel of presenters will review the chemistry and potency of marijuana. In addition, this panel will focus on the more recent analytical approaches for screening, identification and quantification of the various cannabinoids and/or their metabolites including immunoassays and gas chromatography/mass spectrometry. The fourth series of presentations will address the issues regarding marijuana exposure and the resulting effects on human performance including clinical, driving simulator and on-the-road studies, epidemiological data and real world driving cases from DRE officers. The final presentation of the day will discuss the judicial aspects of marijuana use by drivers from the point of view of attorneys charged with prosecuting such cases. To conclude the symposium, all of the faculty will participate in a round table discussion, addressing any questions the audience might have from various issues discussed during the workshop.

### **Workshop #6** *Pharmacology and Toxicology of Drugs Used in the Treatment of Infectious Disease* – Amanda Jenkins, Chair

The toxicological analysis of drugs prescribed in the treatment of infectious diseases is limited. In many instances, individuals who are thought to have died from the disease are not autopsied, and limited or no toxicological testing is conducted. However, the possibility that death in these cases was the result of drug overdose, or a fatal drug interaction is frequently the concern of surviving family members. The response to this concern is often toxicological testing limited to drugs frequently administered during the terminal event such as analgesics, anticonvulsants, and antiarrhythmic medications. Other drugs used in the treatment of infectious disease are overlooked. This workshop will outline the disease process of four frequently encountered infectious conditions which may be fatal: Hepatitis (B and C), Acquired Immunodeficiency Syndrome, Tuberculosis, and Meningitis. In addition, the discussion of each disease will include a description of the pharmacology and toxicology of the medications (past, present and future) utilized to treat these conditions. Further, the utility of therapeutic drug monitoring, potential drug interactions, analysis and interpretation will be delineated. This workshop will be useful for individuals involved in the treatment of patients with infectious diseases, and toxicologists in clinical and forensic facilities who may be required to conduct toxicological testing in these cases.

### **Workshop #7** *The Forensic Toxicological Aspects of Chemical Terrorism* – George Behonick, Chair

The use of chemical agents in acts of terrorism represents a terrible specter confronting domestic, non-military target populations and facilities in the United States and abroad. Contingency planning by and between various local, state and federal agencies is vital to initiating the timely and appropriate response to a chemical act of terrorism. The response is multi-faceted and begins with the immediate deployment of emergency medical and rescue assets and law enforcement personnel. The investigative phase is launched in parallel to efforts by the first responders. Various forensic specialties will be enlisted to provide meaningful and timely information in support of an investigation. The Forensic Toxicological Aspects of Chemical Terrorism workshop is intended to provide participants with a broad overview of the issues and aspects of importance in formulating a response to a chemical terrorist incident. Topic areas of discussion in the workshop will include a survey of potential threat agents, the immediate and investigative response to an incident, the forensic medico-legal management of victims and the role of the forensic toxicology laboratory in the investigation of a chemical terrorist act. The objectives of the workshop are to present relevant information from recognized expert speakers and to stimulate discussion and thought among forensic toxicologists as to devising appropriate strategies for successfully confronting the challenges posed by the civil disaster of a chemical attack.

### **Workshop #8** *Pharmacology Reviews II: Selected Cardiovascular Drug Toxicology & Update on Pharmacogenetics* –Lionel Raymon, Chair

The toxico-kinetics and toxico-dynamics of drugs underlay many deaths investigated in forensic cases. The workshop will review cardiovascular pathophysiology as it pertains to major drug classes and the principles and methods of pharmacogenetics. A general section will lay the foundations for a sound understanding of cardiovascular function and regulation of vital parameters of blood pressure and heart rhythm. Drug classes as varied as antipsychotics, antidepressants, antihypertensives and antiarrhythmics will illustrate the roles of the autonomic nervous system and the fundamentals of hemodynamics. The second section will present calcium channel blockers and their relevance to forensic toxicology and pathology cases. Phenylalkylamines, dihydropyridines and benzothiazepines will be reviewed. The discussion will examine metabolic and functional issues reviewing classical interactions with beta-blockers, digitalis, prazosin and foods. In addition, a focus on mibefradil will illustrate the relevance of CYP 3A4 inhibition in toxicology.



# SOFT 2000 Milwaukee

*Launching thirty years of forensic toxicology into the next millennium*  
Hyatt Regency October 2-6, 2000



## Opening Plenary Lecture

### **Informatics and Scientific Information Exchange in Forensic Toxicology**

Robert E. Gaensslen, Ph.D., Professor of Forensic Sciences  
University of Illinois at Chicago

## Plenary Lectures

### **Pharmacogenetics – A Basis for Drug Therapy and Toxicity**

Mark W. Linder, Ph.D., Assistant Professor of Pathology and Laboratory Medicine  
University of Louisville

### **Brain – Functional Study and Pathology for Toxicologists**

John C. Csernansky, M.D. & Gregory B. Couch, Professor of Psychiatry and Neurobiology  
Washington University School of Medicine

Elliot A. Stein, Ph.D., Professor of Psychiatry and Behavioral Medicine  
Medical College of Wisconsin

Steven B. Karch, M.D.  
Assistant Medical Examiner, City and County of San Francisco

### **Critical Assessment of Alternative Samples**

Bruce Goldberger, Ph.D., Assistant Professor of Pathology  
University of Florida School of Medicine at Gainesville

Yale Caplan, Ph.D.  
National Scientific Services at Baltimore

### **Amphetamines – An Update**

Barry K. Logan, Ph.D., Assistant Professor of Laboratory Medicine  
University of Washington and Washington State Toxicology Laboratory

## Closing Plenary Lecture

### **Ethics – A Primer and Foundation for Toxicologists**

Joe Saady, Ph.D.  
Virginia Division of Forensic Sciences

## SOFT 2000 Milwaukee *Optional Tours Available*

### **MILLER BREWING COMPANY**

4251 W. State Street, Milwaukee, WI 53208

Phone: 414/931-2467 Fax: 414/931-2183

Web site: [www.millerbrewing.com](http://www.millerbrewing.com)

Free, guided outdoor/indoor walking tour includes theater presentation, visits to our packaging and shipping centers, brew house and historic Cave Museum. Enjoy products sampled in the Bavarian style Miller Inn or seasonal outdoor beer garden. Reservations required for groups of 15 or more. Capacity of 90 per tour. Gift shop open: Monday-Saturday 10 a.m.-5:30 p.m. Tours: Monday-Saturday, year round. Closed Sundays and Holidays. Call 414/931-BEER or 1-800-944-LITE for daily updated information.

### **SPRECHER BREWING COMPANY**

701 W. Glendale Avenue, Glendale, WI 53209

Phone: 414/964-BREW Fax: 414/964-2462

Web site: [www.sprecherbrewery.com](http://www.sprecherbrewery.com)

Milwaukee's original micro-brewery known for producing award winning beers and gourmet sodas. An indoor beer tent for your sampling pleasure, with up to seven different beers and four sodas on draft. Call the brewery for tour times, directions and other information.

### **HARLEY DAVIDSON ENGINE PLANT TOUR**

1700 West Capital Drive, Milwaukee, WI 53225

Phone: 414/535-3666

Experience the feel of America's EZ Rider. Factory tours are available. Engine plant tours are free and run approximately one hour. Visit the gift shop at the tour center. Call for times and information.

### **EDELWEISS**

1110 Old World Third Street, Milwaukee, WI 53203

Phone: 414/272-3769; 272-3625 Fax: 414/272-4242

Located in the heart of Milwaukee's Downtown Riverwalk District, within walking distance to theaters, hotels, Midwest Express Conference Center and the Bradley center. Enjoy award-winning cuisine aboard Euro-styled vessels. Tour the harbor and see the skyline of Milwaukee. Offering lunch, Sunday brunch, cocktail and dinner cruises. Pre and post cruise receptions on lovely covered patio overlooking the water.

### **MITCHELL PARK HORTICULTURAL CONSERVATORY - THE DOMES**

524 S. Layton Blvd., Milwaukee, WI 53215

Phone: 414/649-9830 Fax: 414/649-8616

Web site: [www.countyparks.com/horticulture](http://www.countyparks.com/horticulture)

Come and enjoy the beauty of a tropical rainforest, a desert oasis and the grandeur of our

famous floral shows. We are open everyday of the year from 9:00 a.m. to 5:00 p.m.

### **CEDAR CREEK SETTLEMENT**

N70 W6340 Bridge Road, Cedarburg, WI 53012

Phone: 414/377-8020 Fax: 414/375-9428

Web site: [www.cedarcreeksettlement.com](http://www.cedarcreeksettlement.com)

Visit Cedar Creek Settlement, listed on the National Register of Historic Places. Browse through shops, galleries and winery in this restored, 1864 woolen mill on the banks of Cedar Creek. Shop for everything from antiques to fine arts, from jewelry to unique gifts. Take a winery tour and sample Cedar Creek wines. Over 30 stores, artist studios and restaurants combine to make your trip relaxing and rewarding.

Hours: Monday-Saturday 10 a.m.-5 p.m. Sunday 11 a.m.-5 p.m.

### **HISTORIC MILWAUKEE, INC.**

828 N. Broadway - PO Box 511220, Milwaukee, WI

Phone: 414/277-7795 Fax: 414/277-0645

Web site: [www.execpc.com/~histmilw](http://www.execpc.com/~histmilw)

Take a historic walking tour of Milwaukee with us and see what you've been missing! Historic Milwaukee, Inc., a non-profit educational organization, is dedicated to increasing the public's awareness of Milwaukee's historical and architectural heritage. Historic Milwaukee offers numerous guided walking tours of Milwaukee's ethnically diverse neighborhoods. Come walk with us to learn about Milwaukee's colorful history and neighborhoods. Group and specialized tours are also available.

### **MARCUS CENTER FOR THE PERFORMING ARTS**

929 North Water Street, Milwaukee, WI 53202-3122

Phone: 414/273-7121 Fax: 414/273-5480

Web site: [www.milwaukeearts.org](http://www.milwaukeearts.org)

Southeastern Wisconsin's premier cornerstone for culture opened in 1969. Located in the heart of downtown Milwaukee, its halls showcase a variety of concerts, plays and annual events. Serves as home to a multitude of arts groups and hit Broadway shows. Guided tours available.

### **MILWAUKEE WEB SITES**

Greater Milwaukee Convention and Visitors Bureau  
[www.milwaukee.org](http://www.milwaukee.org)

Key Milwaukee Convention and Visitors Guide  
[www.keymilwaukee.com](http://www.keymilwaukee.com)

Milwaukee, Wisconsin City Guide: On Milwaukee  
[www.onmilwaukee.com](http://www.onmilwaukee.com)

Milwaukee's Premier Nightlife and Entertainment Guide - Milwaukee One  
[www.mkc1.com](http://www.mkc1.com)



# SOFT 2000 Milwaukee

Launching thirty years of forensic toxicology into the next millennium

Hyatt Regency October 2-6, 2000



Name \_\_\_\_\_ Degree \_\_\_\_\_

Last First

Name to appear on name badge \_\_\_\_\_

Title \_\_\_\_\_ Agency \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-mail \_\_\_\_\_

Guest(s) \_\_\_\_\_

	SOFT MEMBER	Non-MEMBER	TOTAL ENCLOSED
<b>Basic Meeting Registration</b>	\$135	\$180	\$ _____
Includes admission to all scientific sessions, abstract book, Welcoming Reception, President's Reception, Elmer Gordon Forum, Farewell Dinner & Dance, Luncheons Wed-Fri, and All Coffee Breaks			
Workshop #1 Forensic Applications of LC/MS at the Beginning of the 21st Century	\$50	\$70	\$ _____
Workshop #2 Automated Data Reduction of HP GC/MS Analysis Via Macro Programming	\$50	\$70	\$ _____
Workshop #3 Benzodiazepines: Pharmacology and Analytical Challenges	\$50	\$70	\$ _____
Workshop #4 Automation of Micro-Plate Enzyme Immunoassay Systems in Forensic Analysis	\$50	\$70	\$ _____
Workshop #5 Marijuana Forensic Symposium	\$80	\$100	\$ _____
Workshop #6 Pharmacology and Toxicology of Drugs Used in the Treatment of Infectious Disease	\$50	\$70	\$ _____
Workshop #7 The Forensic Toxicological Aspects of Chemical Terrorism	\$50	\$70	\$ _____
Workshop #8 Pharmacology Reviews II: Selected Cardiovascular Drug Toxicology & Update on Pharmacogenetics	\$50	\$70	\$ _____
Full-time Student or Daily Registration (Permits attendance at the Scientific Sessions on Wed/Thurs/Fri)	\$25/day	\$45/day	\$ _____
ABFT Breakfast	\$20	# of tickets	\$ _____
Extra Tickets: Welcoming Reception	\$25	# of tickets	\$ _____
President's Reception/Elmer Gordon Forum	\$25	# of tickets	\$ _____
Farewell Dinner and Dance	\$30	# of tickets	\$ _____
Luncheon - Wed - Thurs - Fri	\$20	# of tickets	\$ _____
Circle day(s)			
SOFT 2000 Jacket: Med _____ Large _____ X-Large _____ XX-Large _____ @ \$20 each			\$ _____

Late Fee: For all registrations received after Aug. 15, 2000 \$50 \$ \_\_\_\_\_

No mail registration will be accepted after Aug. 24, 2000 On site registration will be \$200

Administration Fee: If a refund is requested, a \$50 fee will be deducted from the original payment.

Method of payment: Check - Drawn on a USA bank. International Bank Checks or Money Order. All funds must be paid in US dollars. Make payable to SOFT 2000.

Credit Card: Visa MasterCard American Express Discover

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_ Signature \_\_\_\_\_

MAIL TO: SOFT 2000 Milwaukee, c/o MCW-Office of CME, 8701 Watertown Plank Road, Milwaukee, WI, USA, 53226 (FAX) 414-456-6623 Federal Tax ID: 51-0233801



Hyatt Regency Milwaukee  
333 West Kilbourn Avenue  
Milwaukee, WI 53203 USA

Telephone: 414.276.1234  
Fax: 414.276.6338

**SOCIETY OF FORENSIC TOXICOLOGISTS, INC.**  
**Annual Conference**  
**October 2 – 6, 2000**

**Room Reservation Form**

*All information needs to be filled in to assure your reservation.*

**PLEASE PRINT:**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Business Phone: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Arrival Date: \_\_\_\_\_

Departure Date: \_\_\_\_\_

Credit Card Type: \_\_\_\_\_

Credit Card #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Hyatt Gold Passport #: \_\_\_\_\_

**GUEST ROOM RATE:**

Singles	\$107.00
Doubles	\$107.00
Triples	\$127.00
Quads	\$147.00

**Cut off date: September 2, 2000**

**Please check type and # of room(s) requested**

# \_\_\_\_\_ Single(s) 1 person

# \_\_\_\_\_ Double(s) 2 persons - 1 bed

# \_\_\_\_\_ Double(s) 2 persons - 2 beds

Hyatt Business Plan upgrades are available for only \$20.00 more per day. Call the hotel for details

Name(s) of person(s) sharing accommodations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Maximum of four guests per room**  
**Suites available on a request basis**

Your reservation must be received prior to and before the group reservation block is filled to assure your room accommodations. If the group rate is not available, the next available rate will be assigned. Early response is suggested for guest desiring the group rate. Room type requested is subject to availability at time of contact. All reservations subject to applicable state and local taxes. Check-out time is 12:00 Noon. Rooms may not be available for check-in until after 3:00 p.m. An early departure fee will be charged in the event a guest departs earlier than scheduled unless the reservation is changed 24 hours in advance.

**You can make your hotel reservations by:**

- Dialing our toll free number at 1-800-233-1234
- Fax your form to - ATTN: Reservation Department at 414-276-6338
- Via Internet - [www.milwaukee.hyatt.com](http://www.milwaukee.hyatt.com) the SCR code is 55009

