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

WOW! WHAT A MEETING! The 1993 SOFT/CAT meeting was a tremendous success, featuring an outstanding blend of social and professional events. We all owe a great deal of thanks to Vickie, Tom, and Deb who all worked tirelessly before and after the meeting. Thanks also to Tinsley Preston for sponsoring a great tennis tournament. To those of you whom I was forced to congratulate as victors in the JAT Open Doubles Tennis Tournament (and you know who you are), wait ’til next year.

I would like to be able to include case reports (preferably, a half-page or less) and any other appropriate information you may wish to share with your colleagues in the next issue of ToxTalk. Take a moment today. We’ll even accept hand-written materials if legible. I look forward to hearing from you!

NEXT IMPORTANT DEADLINES

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 1</td>
<td>1994 SOFT dues payment without penalty</td>
</tr>
<tr>
<td>March 17</td>
<td>JAT abstract deadline</td>
</tr>
<tr>
<td>July 1</td>
<td>TIAFT/SOFT abstracts due</td>
</tr>
</tbody>
</table>

IN THIS ISSUE

REGULAR FEATURES:
- Journal Club
- Elmer Gordon Open Forum
- Career Opportunities
- Professional Calendar
- Communique

TECHNICAL NOTES:
- Blutalkoholkonzentration No. 3
- Meeting OSHA’s Standards for Bloodborne Pathogens and Exposure Control

SPECIAL INTEREST:
- 1994 TIAFT/SOFT Joint Congress information

INSERTS:
- 1994 DUES NOTICE (last chance to avoid late penalties)
- 1994 TIAFT/SOFT Meeting Announcement and Call for Papers
- 1993 SOFT/CAT Meeting Abstracts
- D.U.I.D. Report (if received in time)
- JAT Call for Papers

ToxTalk is mailed quarterly (bulk mail) to current members of the Society of Forensic Toxicologists, Inc. It is each member’s responsibility to report changes of address to the SOFT Administrative Office. Non-members may now receive ToxTalk for $15 per calendar year. Mail a check (payable to SOFT) to ToxTalk at the address below. All members and others are invited to contribute to ToxTalk. Contact the Administrative Office for membership applications.

DEADLINES: February 1, May 1, August 1, and November 1. NEXT DEADLINE: FEB. 1st
COMMUNIQUE . . . Patricia Mohn-Monforte, SOFT Executive Coordinator

We're still in Michigan - what else can I say? If in doubt, continue to use
"SOFT Mail Service, 8503 North 104th Avenue, Peoria, AZ 85345"

THANK YOU for making my 10th anniversary with SOFT so memorable. I will always treasure the symbolic Navajo sand pails presented to me by President Poklis on your behalf. It will definitely have a prominent place in our Arizona home.

DUE YOU OR DON'T YOU? An individualized dues notice is included in this issue of ToxTalk. If there is a date in the upper right-hand corner of your dues notice, then your dues were sent to Treasurer Saady on that date. If no date appears, as of 11/11/93, your dues were not received. Bulk mail restrictions require dues notices in all envelopes. Don't miss the January 1, 1994, deadline. Receipts/membership cards will be mailed in January to those who have paid dues.

1994 SOFT DIRECTORY will be printed in February. Remember - only paid members are listed in the directory.

To help SOFT members who will be attending the '94 AAFS meeting, Nick Hodnett has informed me of the following schedule:

Mon. 2/14  SOFT Board Meeting 5 - 10 pm (I will mail information to appropriate persons later)
"Back to the Future - Statistical Approaches to Accuracy" (Spiehler) a.m.
"The Ins and Outs of Capillary GC: Routinely Utilized Inlet and Detector Systems" (Hodnett/Hoey) 1-5 pm

Tues. 2/15  Laboratory Guidelines Committee 11 - noon
ABFT Board Meeting 5 - 10 pm
Continuing Education and Training Committee 5 - 10 pm
"Fundamentals in Forensic Toxicology: Pharmacologic Concepts" (Hearn/Goldberger) all day

Wed. 2/16  DUI Committee 1-2 pm

Sat. 2/19  HHS Inspectors workshop 8 - noon

TEXAS, ANYONE? How about a practice session in San Antonio before the 1994 JAT Open?

DUID REPORT AVAILABLE ON COMPUTER DISK: The SOFT/AAFS combined DUID Committee distributed at the 1993 SOFT Annual Business Meeting a packet of materials including a monograph on cocaine and extensive bibliography on computer disks. A similar packet will be available at the AAFS meeting for SOFT and/or AAFS members who have not already received a copy. Instructions for ordering this packet should be available soon. Only one packet is available per person.

ATTENTION APPLICANTS. Don't miss your deadlines for completing your application packet. Completed applications will be forwarded Dec. 15 to the 1994-95 SOFT Secretary, Vickie Watts. Applications for new members, promotions, and/or retirement status are available through the Administrative Office. Remember, retired status is effective Jan. 1 after Board approval. Retired members are obligated to return the annual dues notice to remain on the mailing list.

Thanks to Pat's Posse: I want to express my personal appreciation to those who responded to my call for volunteers before and during the 1993 SOFT/CAT meeting. Of all the members contacted who would be attending, only one said "no." Even those who could not attend often declined in the spirit of the meeting, such as:

"Because the Chief of the in(hospital)ble indians raided my campground, killed three cowboys out of six and severely wounded the outfit's ramrod, this ranch foreman will not be coming to the big roundup. I've got hostile indians to my right, bad hombres on my left, and the ranch owner (ME) is hiding in the smokehouse leaving me to fight alone. I'm trying to drum up support with the calvary (government body) but they are reluctant to jump into the fray because they claim they haven't enough camp supplies to go around.

I still have a chance to win this fight and get back men. Therefore, I've decided to stay close to the homestead while the battle rages. There is talk of a truce in the fall but right now I feel the need to be here for the negotiations. If I still have a place to call my own come the winter, I'll be moseying down Texas way for sure. I hope to swap tales with you around the campfire then.

Say "howdy" to all my fellow SOFT cowboys and tell them not to drink and ride at the same time or they could be in for a nasty fall." 

ATTENTION GRADUATE STUDENTS, PROFESSORS & MENTORS

Applications are being actively solicited for SOFT's Educational Research Award. For information, contact:

S.O.F.T. - EDUCATIONAL RESEARCH AWARD
SOFT Mail Service, 8503 North 104th Ave, Peoria, AZ 85343

ToxTalk Volume 17, No. 4 (December 1993)
Meeting Host Vickie Watts and local SOFT members Tom Simonick and Deb Rector are to be wholeheartedly congratulated for orchestrating one of the most rewarding meetings ever sponsored by SOFT. As President Poklis pointed out, this was the largest gathering of forensic toxicologists at any one meeting anywhere ever with nearly 450 registered participants. The filled-to-capacity workshops were enthusiastically received. Those of us who attended venomous toxins workshop will never forget the splendor of the Grand Canyon or the revelation that Arizona is much more than a desert. Persons attending the GC/MS, Analytical Toxicology and Human Performance / Drugs and Driving workshops acquired solid information and great handouts.

Arizona hospitality abounded at the poolside Welcome Reception. Attendees dressed in western finery or casual t-shirts and they feasted on scrumptuous southwestern fare while entertained by a cowboy band. Following the reception, the annual Elmer Gordon Open Forum was well-attended and, as we've grown to expect since Joe Monforte introduced this event in 1983, time ran out before the topics did which inspired additional dialogue during the hospitality suite.

The next days were devoted to a packed scientific program as demonstrated by the "abstracts" insert in this copy of ToxTalk - a total of 64 papers/posters were scheduled. People were also scurrying about attending board and committee meetings. The ABFT Breakfast was so nice this will be an annual event at SOFT meetings. Dinner and show at the cowboy ranch was a HOOT! Whether panning for gold, harmonizing with the roving musicians, or watching ceremonial indian dances a good time was had by all.

Since the location of the Buttes Resort posed a problem for eating off-site during much of the meeting, lunches were served in the exhibit area. The buffet was scrumptuous, and attendees had the opportunity to interact with exhibitors as well as each other. The interaction was often carried over to the nightly hospitality suite.

For the past year you've heard the promise that this meeting would reflect an attitude of "learning can be fun" - and it was. However, none of it "just happened." A lot of planning and hard work by a lot of people were necessary, including SOFT members who presented the workshops and about 60 volunteer "deputies" who helped make things run smoothly during the meeting. Mostly, the success of this incredible meeting is due to the efforts of Vickie Watts. From experience, I can tell you that planning a SOFT meeting takes over your life. For Vickie, it even became a family affair as she recruited husband Rick and son David to collate, stuff, shop and haul. By enthusiastically soliciting corporate support, many food events were included in the 1993 program at no cost to the members. Did you know that a can of soda may cost as much as $3 at a meeting? Vicki used a lot of energy and creativity to keep costs low. The meeting committee did a lot of work and planning themselves, such as the Grand Canyon trip and the local shuttle van, rather than hiring pre-packaged services. Her efforts, with the support of her committee, allowed SOFT members to attend an incredibly rewarding scientific meeting at a fraction of what the meeting actually cost. And it is anticipated that SOFT and CAT will still share a $20,000+ profit.

SOFT has a standing policy of not penalizing members who attend SOFT's annual meeting by relying on their registration fees to support all of its activities. The profits, which are actually from the higher fees paid by non-members, large attendance at workshops, exhibitors and other corporate support, are earmarked for the ERA account unless otherwise specified by the Board.

Now a word to our sponsors - without whom many of the 1993 meeting events would not have been possible - THANK YOU! to the following: Full booth exhibitors - Abbott Diagnostics, Ansys Inc. (Toxi-Lab), Biochemical Diagnostics, Biosite Diagnostics, CMI/MPH, Diagnostic Products Corp., Diagnostic Reagents, Doxtech Inc., DynaGen Inc., Finnigan MAT, Fisons Instruments, Hewlett-Packard Corp., Leap Technologies, Lynn-Peavon Co., Microgenics Corp., Miles - Diagnostics Division, National Medical Services, Perkin-Elmer Corp., Pierce Chemical Co., Preston Publications, Radian Corp., Reagents Applications, Restek Corp., Roche Diagnostic Systems, Sigma Chemical Co., STC Diagnostics, Syva Co., Teckmar Co., Tri-Tech Inc., Utah Laboratories, Varian Instruments, Varian Sample Preparation Products, and Worldwide Monitoring. A special "thanks" to companies whose sponsorship allowed us to offer special events: Welcoming Reception sponsor - SYVA; workshop sponsors - Osborn Labs, Hewlett-Packard, Biosite, and Ansys (Toxi-Lab); lunch sponsors - Roche and Varian; coffee break sponsors - Microgenics, Abbott Diagnostics, Diagnostic Products Corp, Southwest Laboratory, and National Medical Services; coffee break contributor - Utah; Hospitality Suite sponsors - Radian, PharmChem and U.S. Alcohol Testing of America; advertisers ChemWare, DynaGen, DPC, Leap, Microgenics, Reagent Applications, Roche, Sigma, and Tekmar, and tennis tournament sponsor Preston Publications (JAT). If there were prizes for Most Appropriately Dressed Exhibitors it would, without a doubt, be awarded to cowboys Shiv Kumar, Alan Nichols (both Radian) and Tinsley Preston (Preston Publications/JAT) - thanks for joining in the spirit.

P.S. Some of our members got their Buttes kicked in Phoenix! Their reservations, that is, because they waited too long and our reservation block was full. Be sure to make your Tampa hotel and meeting reservations early.

1994 TIAFT/SOFT JOINT MEETING - October 31 to November 4 Tampa, FL
(pre-and post-conference tours also offered 10/30 and 11/5-7)

For information contact: TIAFT-SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856

EXHIBITORS: Complimentary copies of this issue of ToxTalk are being distributed to our 1993 exhibitors. This gives you an early opportunity to reserve your exhibit space for 1994 before we get filled up again! Be sure to contact: Lisa O'Dell, c/o Siera Nevada Laboratories, 888 Willow St., Reno, NV 89502 (Ph: 702-334-3400, FAX 702-334-3452).
The Society of Forensic Toxicologists (SOFT) is pleased to announce that it will be meeting jointly with The International Association of Forensic Toxicologists (TIAFT) in 1994 at the beautiful Hyatt Regency Westshore in Tampa, Florida. This is the first joint venture of these two respected professional groups and an opportunity to attend an international meeting on our own home ground. Many U.S. and Canadian toxicologists have been unable to attend TIAFT meetings in Europe, Asia, and its other global meeting sites. SOFT looks forward to welcoming its TIAFT colleagues and invites all North American forensic toxicologists to participate in this exciting congress.

PROGRAM: As well as the typical scientific papers, three workshops, a special lectureship, informal information exchange opportunities, and social events will be offered. A full-day program at exotic Busch Gardens will include a special workshop. Pre- and post-conference tours are also available. A preliminary program, in more detail, is on the back of the "Instructions for Abstract Preparation" inserted in this issue of ToxTalk. The information is offered to assist you in your planning. The program is subject to change, if necessary.

CALL FOR PAPERS: Deadline for abstracts - July 1, 1994 (firm). Abstract forms and an instruction sheet (with a meeting outline on the back) are included in this issue of ToxTalk.

ATTENTION EXHIBITORS: Our conference will give you a high-visibility opportunity to market your services and products to a targeted global audience of forensic toxicologists and other professionals related to this field. Since the conference expands a five-day period, you will have time to spend with current and potential clients. We will promote optimum exhibit traffic patterns by hosting all coffee breaks and some meal functions in the exhibit area. Remember, SOFT has been forced to turn away exhibitors for two of our last three meetings due to lack of space. Please reserve early. We are also seeking sponsors for coffee breaks, receptions, luncheons, and special events. Program advertisers are also welcome. For further information, contact:

Lisa O'Dell, 1994 TIAFT/SOFT Sponsor/Exhibitor Chairperson, P.O. Box 10856, Tampa, FL 33679-0856
Phone: 800-765-2755 ext. 251 FAX 702-334-3452

FEES: You may register for the meeting and include optional events at your discretion (traditional SOFT registration) -or- you may register for all the events (traditional TIAFT registration). Access to all program events will be restricted and require registration. A late fee will be applied to all registrations after September 30, 1994. No mail registrations will be accepted after October 15th. On-site registration is permitted, but materials are not guaranteed.

EARLY REGISTRATION: Register by August 1, 1994, and receive a beautifully crafted souvenir T-shirt. Additional shirts will be sold at the meeting, if available.

HOTEL: Hyatt Regency Westshore, 6200 Courtney Campbell Causeway, Tampa, FL 33607 (USA)
Telephone: 1-800-233-1234 or 813-874-1234 FAX: 813-286-9864 Telex: 529371

The Hyatt Regency Westshore provides complimentary shuttle service to and from the Tampa International Airport (about five minutes away). Car rental should not be necessary; stations are located inside the airport.

DRESS SUGGESTIONS: Casual attire suitable to a warm semi-tropical climate is appropriate. Bring shorts, bathing suits, sun glasses, and a light wind breaker/jacket.

Persons who are not members of SOFT or TIAFT may receive meeting and/or membership information by contacting:
TIAFT/SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856 (USA)
SOFT GOES GLOBAL: TIAFT/SOFT JOINT CONGRESS

"Bridging the World of Forensic Toxicology"

October 31st - November 4th, 1994   Tampa, Florida (USA)

Presented by: The International Association of Forensic Toxicologists and The Society Of Forensic Toxicologists

Contact address: TIAFT/SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856

Preliminary Program

Sunday - October 30th
(preferential)

PRE-CONFERENCE TOUR to Cape Canaveral / Kennedy Space Center

Monday - October 31st
(morning). This workshop will focus on the latest developments in this discipline. Drugs to be discussed will include cocaine, marijuana, and the benzodiazepines.

WORKSHOP 1: Human Performance Testing - Drugs and Driving Impairment

WORKSHOP 2: Legal Aspects of Urine, Blood, and Hair Drug Testing (afternoon). Drug testing from a legal point of view will be explored, including a review of the latest case precedents established in court.

HALLOWEEN WELCOMING RECEPTION: Wear a costume (or at least a mask). Prizes will be awarded!

EXHIBITS

Tuesday - November 1st

ANNUAL SPECIAL LECTURESHIP presented by Bryan S. Finkle, Ph.D.

SCIENTIFIC PLATFORM and POSTER PRESENTATIONS

EXHIBITS and Luncheon

SPECIAL PRESENTATIONS (evening program)

Wednesday - November 2nd

WORKSHOP 3: Plant and Insect Toxicology. This full-day workshop will be presented at beautiful Busch Gardens and includes breakfast, lunch, a day-long safari, and transportation to and from the hotel.

Thursday - November 3rd

SCIENTIFIC PLATFORM and POSTER PRESENTATIONS

ELMER GORDON OPEN FORUM (informal dialogue, all attendees are invited to participate)

EXHIBITS and Luncheon

RECEPTION - hosted by the Presidents of SOFT and TIAFT

Friday - November 4th

SOFT and TIAFT BUSINESS MEETINGS

EXHIBITS

FINALE International Banquet

Saturday - November 5th, Sunday - November 6th, and Monday - November 7th

TOURS to Disney World, Universal Studios, and Sea World (optional)

Meeting Hosts: Dr. H. Horton McCurdy and Dr. Marilyn Huestis (SOFT) and Ms. Betty Buchan (TIAFT)
Meeting OSHA's Standards
for Bloodborne Pathogens and Exposure Control

submitted by Marilyn A. Huestis, Ph.D., Chairman of the SOFT Health and Safety Committee

Most SOFT members have occupational exposure to infectious materials and are, thereby, subject to the new OSHA standards (29 CFR Part 1910.1030, Federal Register 12/6/91). The guidelines apply to all occupational exposures to blood, and other potentially infectious materials, including unfixed tissues. Laboratories must have in place a formal policy statement describing the exposure control plan and must designate a chemical hygiene officer responsible for the plan implementation. Standard operating procedures should include but are not limited to procedures for universal precautions in handling infectious materials, engineering and work practice controls (i.e., fume hoods, handwashing with antiseptics and disinfectants), phlebotomy practices and disposal of contaminated needles or sharps, food/drink restrictions, communication of potential hazards to employees and visitors, protecting service and maintenance personnel, use of personal protective equipment, assessment of exposure by job classification, posting warning signs and labels, waste prevention and minimization, labeling and transport of infectious materials, housekeeping practices, and recordkeeping regulations.

Free HBV vaccinations must be provided to personnel with a reasonable risk of exposure. Personnel should be required to sign a release if inoculation is declined, and should be offered the vaccination in the future, if desired. If personnel are exposed, they should be examined by a licensed physician, and the incident should be fully documented. Follow-up evaluations must occur, including determination of seroconversion and response to medical treatment. Recapping or needle removal must be accomplished with mechanical devices or one-handed technique. New engineering controls have been developed to facilitate safe handling, and disposal of needles and sharps. Equipment must be decontaminated prior to servicing, shipment, or disposal. Visitors should be required to read safety and exposure information and sign releases when entering areas where potential exposure could occur. Gloves should cover the cuff of the lab coat and be disposable; lab coats should be knee-length, closed in front, fluid resistant, furnished, replaced and repaired by the employer. Lab coats may be cleaned on-site, or by an outside contract service. In this case, lab coats must be transported in biohazard containers to alert cleaning personnel of the potential hazard of exposure. Face protection may be accomplished with masks, eyewear/goggles and face shields. Waste should be characterized, segregated at the point of origin, and where possible, reduced, reused, or recycled. Personnel training should include a description of the regulations, epidemiology, symptoms and transmission of bloodborne pathogens, and all aspects of the exposure control program. All employees at risk should be able to answer the "OSHA questions", What does universal precautions mean?, What do you do when there is a blood spill?, What do you do with contaminated sharps and laundry?, Have you been offered hepatitis vaccination free of charge?, Where is the Exposure Control Plan, has it been explained to you and have you been trained? Personnel medical records must be kept for 30 years and training records for five years after termination of employment.

In an effort to more fully understand these important regulations and their impact on our profession, I attended a workshop on the OSHA Standard for the '90s. I will be happy to provide copies of some of this information to any SOFT member for the cost of copying and postage. Available materials include copies of generic forms for formal policy statements, exposure determination by job classification, task assessments, hepatitis B vaccine declination, documentation of infectious material exposure, and visitor releases from liability. Additional materials include guidelines for waste minimization, quality assurance safety inspections, glossary of terms, OSHA penalty policies, information sources and hot line numbers, copies of the Federal Register regulations, and information from the Office of Health Compliance Assistance to aid in the interpretation and compliance of the regulations. Ordering instructions are below.

Copy this page and complete below =-----------------------------------------=

"OSHA STANDARD FOR THE '90s" - Instructions for ordering materials

Enclose a check in the amount of $4.00 ($5 outside U.S.) in U.S. funds drawn on a U.S. bank or international money order payable to Marilyn Huestis. Mail check and this form to:

SOFT ADMINISTRATIVE OFFICE, 1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412.
Offer expires 1/28/94.

Name:

Mailing address:

This offer is available only to SOFT members. Offer expires 1/28/94. Anticipated mail date is 2/05/94.

ToxTalk Volume 17, No. 4 (December 1993)
"A STUDY OF THE POSSIBLE ALCOHOL CONCENTRATION OF DONATED BLOOD"


A case report of a man who was involved in a single fatal motor vehicle crash. The driver survived for approximately 6 to 7 hours after the accident and was treated in hospital. During that time the deceased was administered 10 L of whole blood, 1 L of "Rheomacrodex," 500 mL of "Lavulose," 500 mL of "Ringer's solution," and 500 mL of human albumin.

The BAC at death was determined to be 0.088 g/100 mL by the Widmark method and 0.085 g/100 mL by the ADH method. The authors calculated that the BAC at the time of the accident would be between 0.126 and 0.158 g/100 mL. It was questioned by lawyers for the estate whether the blood transfused into the driver could contain alcohol which could elevate the BAC.

To determine the incidence of alcohol in donated blood samples, the BAC of 100 donated blood samples was determined over a period of three months. The BAC was determined by the Widmark method in 39 samples and by the ADH method in 61 samples. No alcohol was detected in 92% of the donated blood samples. Five samples had a BAC of between 0.011 and 0.021 g/100 mL; one had a BAC of between 0.021 and 0.032 g/100 mL and two had a BAC of approximately 0.074 g/100 mL.

It would be highly unlikely that during infusions of a large amount of blood that all samples would contain a high BAC. The authors calculate that even if 1 L of donor blood with a BAC of 0.210 g/100 mL were infused, that the BAC of a 75 kg male would only be increased by 0.003 g/100 mL, allowing for distribution throughout the entire body water.

ELMER GORDON OPEN FORUM:
AN OPPORTUNITY FOR INFORMAL DIALOGUE


ABFT News

The American Board of Forensic Toxicology held its first Annual ABFT Breakfast at the SOFT/CAT meeting in Phoenix, Arizona. More than fifty Diplomates and Toxicology Specialists attended, thereby making the event a huge success. Various members of the ABFT Board described their activities and certificates were presented to those persons who successfully completed the qualifications for certification. The newest Diplomates, who will receive their certificates at next year's breakfast, were welcomed. They are John Vasiliades, Ayad Mudarris, and Donna Bush.

The masters' certification program is moving forward. The most recently certified Toxicology Specialists are: Susan Mills, James Kuhlman, Matthew McMullen and William Dunn. Congratulations to all. To date, six individuals have been certified as Toxicology Specialists.

The requirements for certification by the American Board of Forensic Toxicology are specific, and attaining certification is testimony to that individual's expertise as defined by ABFT. ABFT is the forensic toxicology certification agent supported by SOFT as well as other professional forensic organizations. For further information on forensic toxicology certification pathways for qualified Ph.D.'s and Masters, contact:

AMERICAN BOARD OF FORENSIC TOXICOLOGY
P.O. Box 669, Colorado Springs, CO 80901-0669
Phone: 719-636-1100 FAX: 719-636-1993

next ToxTalk deadline: FEBRUARY 1st
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.


FORENSIC TOXICOLOGIST wanted as associate in established and expanding consulting and service toxicology lab. Contact Toxicology Labs, Inc., 7701 Pacific St, #300, Omaha, NE 68114. (Ph: 402-392-1086, FAX: 402-392-1086)

PROGRAM SPECIALIST III/TOXICOLOGIST: BA/BS, 3 yrs experience, valid Florida license (or conditional temporary). U of Miami School of Med Dept of epidemiology & Public Health. Contact Stefan Rose, M.D. at 305-232-7461 or 12500 SW 152 St., Miami, FL 33177.

POSTDOCTORAL FELLOWSHIP IN FORENSIC TOXICOLOGY: Ph.D., prefer experience with bioanalytical toxicology laboratory methods and appreciation of the unusual requirements of forensic toxicology casework. private lab, competitive salary, benefits. Mail CV to National Medical Services, Inc., ATTN: Dr. Mason, P.O. Box 433A, Willow Grove, PA 19090-0437.


DOCTORAL FELLOWSHIP FOR MINORITIES AND WOMEN: The SOFT Administrative Office received information on a 6-year doctoral fellowship program valued up to $180K sponsored by the National Physical Science Consortium for Minorities and Women. Although the stated deadline was 11/15/93, interested persons should contact: L. Nan Snow, Executive Director, National Physical Science Consortium (Ph:1-800-854-NPSC or 1-800-952-4118.)

PROFESSIONAL CALENDAR

California Associaton of Toxicologists (CAT) quarterly meetings and workshops. For information contact Vickie Watts at 602-831-8091, FAX 602-644-2478.


"Forensic Toxicology" short course: April 6-8, 1994, sponsored by Armed Forces Institute of Pathology and American Registry of Pathology, at Vienna, VA. Contact: AFIP, Washington, DC 20306-6000 (Phone: 301-427-5231; FAX 301-427-5001)

XVIIth Congress of the International Academy of Legal Medicine and Social Medicine: May 31-June 2, 1994. Contact Secretariat of the Congress, Institut de Medicine Legale, 11 rue Humann, F-67085 Strasbourg Cedex, France:

TIAFT/SOFT Joint Congress (The International Association of Forensic Toxicologists and Society of Forensic Toxicologists): Oct. 31 - Nov. 4, 1994, Tampa, FL. First joint TIAFT/SOFT meeting! Contact TIAFT-SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856. SOFT Co-hosts: Drs. Horton McCurdy and Marilyn Huestis.


1996 S.O.F.T.: MEMBERS INTERESTED IN HOSTING THE 1996 ANNUAL S.O.F.T. MEETING SHOULD SEND AN OFFICIAL LETTER TO THE ADMINISTRATIVE OFFICE. We are looking for another southwestern site. You must have a major airport, affordable hotel, and willingness to do a lot of time consuming work.
NATIONAL REPORTS AND CONFERENCE PROCEEDINGS


An International Symposium on Driving Under the Influence of Alcohol and/or Drugs. Held at the FBI Academy, Quantico, VA, March 24-26, 1986.

Bigelow, GE; Bickel, WE; Roache, JD. Identifying Types of Drug Intoxication: Laboratory Evaluation of a Subject-Examination Procedure. NHTSA, DOT HS 806-753, Washington, D.C., May 1985.


Cooper, WE; Schwar, TG; Smith, LS. Alcohol, Drugs and Road Traffic. Juta & Company, Cape Town, South Africa, 1979.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Landauer, A.A.; Drugs and Driving: Historical Perspectives, Methodological Principles and Current Problems, pg 17-28, University of Western Australia, Perth, Australia; Drugs and Driving, 1986.


Compiled and edited by H. Chip Walls and Vicki Watts

Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


DRUG PATTERN USAGE AND TRENDS


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Soderstrom, C.A.; Drug Involvement Among Drivers Admitted to a Regional Trauma Center (Eng), Transportation Research Circular, 397, 14-17, 1992.


Walsh, J.M. Polydrug and Alcohol Use. Alcohol, Drugs and Driving, I(1-2): II5-II9, 1986.

FATALITIES, CRASHES, AND INJURED DRIVERS

Chesher, GB. Alcohol and Other Drugs in Road Crashes: What Does Pharmacokinetics Have To Do With It?, Alcohol, Drugs, and Driving, I (3): 1-20, 1985.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Press Briefing: Safety Study on Alcohol and Other Drug Involvement in Fatal-To-The Driver Heavy Truck Crashes, National Transportation Safety Board, Feb 5, 1990.


Sabey, B. The Drugs (Medicines) Driving Situation in the UK. Presented at the Joint Meeting of the Medico-Pharmaceutical Forum and the Transport and Road Research Laboratory on Medicines and Traffic Safety, June, 1986, Available from Transport and Road Research Laboratory, Crowthorne, Berkshire, England, RG 11 6AO.


S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


The HSRI Research Review, A Study in Pre-crash Factors Involving Traffic Accidents. Published by the University of Michigan Highway Safety Research Institute, May, 1980.


DRIVERS DETAINED FOR DRIVING UNDER THE INFLUENCE OF DRUGS


Campbell, Dr. Homer R, Project Leader - Forensic Science Project to the Soviet Union; A Profile of Drugs Found in Blood/Urine Samples Submitted to the San Diego Sheriff's Regional Crime Laboratory During the Calendar Year 1987, Nov. 1988.


Eck, DT, Stanford MJ. Drugs of Abuse in Impaired Drivers, Orange County, June 1990.

Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Ferrara, S.D., Castagna, F., Tedeschi, L. Alcohol, Drugs and Road Accidents in Northeast Italy - Preliminary Report. Institute di Medicina Legale, University Padova, Italy, pp 315-327, 1976


Marks V. Drugs and Driving. R Soc Health J 102 (5): 205-10. 1982


National Transportation Safety Board, Briefing: Safety Study on Alcohol and Other Drug Involvement in Fatal-to-the-Driver Heavy Truck Crashes, ??


Peel HW; Perringo BJ; Mikhail NZ. Detection of Drugs in Saliva of Impaired Drivers. J Forensic Sci 29# 1:185-9.1984


Simpson HM; Mayhew DR; Warren RA. Epidemiology of Road Accidents Involving Young Adults: Alcohol, Drugs and Other Factors. Drug Alcohol Depend ; 10 (1):35-63 1982


Compiled and edited by H. Chip Walls and Vicki Watts

Print Date 11-03-1993


**PERFORMANCE TESTING**


Brett AS. Implications of Discordance Between Clinical Impression and Toxicology Analysis In Drug Overdose. Arch Intern Med ;148: 437-41.1988


S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Linnola, M., and Guthrie, S., Psychotropic Drugs and Traffic Safety: New Developments, National Institute on Alcohol Abuse and Alcoholism, Bethesda, Maryland.


Melitzer, E.O., Performance Effects of Antihistamines (Eng), J. Allergy and Clinical Immunology 86, 1990:4 Suppl II, 613-619.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


MULTIPLE DRUGS


Burns, Marcille and Moskowitz, H.; Alcohol, Marijuana and Skills Performance, Alcohol, Drugs and Traffic Safety, 1980.


Chesher, Gregory B., The Effects of Alcohol and Marijuana in Combination: A Review, Alcohol, Drugs, and Driving; 2:3-4, 105-119, 1986

Dennis, A., Williams, A. & R.D.; Cannabis, Alcohol and Driving: Effects on Selected Closed-Course Tasks, ??


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Lukas, Scott E., Benedikt, R. et. al.; Marihuana Attenuates the Rise in Plasma Ethanol Levels in Human Subjects, Neuropsychopharmacology, 7, # 1. 1992:


Mortimer, R. G., Effects of Alcohol and Diazepam, Singly and in Combination, on Some Aspect of Driving Performance, Drugs and Driving, :163-178. 1986

Moskowitz, Herbert and Burns, M.; The Effects of Alcohol and Caffine, Alone and in Combination, on Skills Performance, Southern California Research Institute, California State College at Los Angeles, University of California Los Angeles, ??


Moskowitz, Herbert Adverse Effects of Alcohol and Other Drugs on Human Performance, Alcohol Health and Research World, Summer 11-15. 1985:

Moskowitz, Herbert, Alcohol-Drug Interactions, Southern California Research Institute, University of Calif. at Los Angeles, Calif. State University at Los Angeles, 1977


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography

Moskowitz, H., Buspirone, Diazepam and Lorazepam: Effects on Driving-Related Skills, Drugs and Driving, ??


Neuteboom W; Zweifpenning PG. Driving and the Combined Use of Drugs and Alcohol in the Netherlands. Forensic Sci Int 25(2) :93-104.1985

Oborne, D.J. and Rogers, Y.; Interactions of Alcohol and Caffeine on Human Reaction Time, Aviation, Space and Environmental Medicine, June 1983.


Peck, Raymond C., Biasotti, A. et al; The Effects of Marijuana and Alcohol on Actual Driving Performance, Alcohol, Drugs and Driving, 2:3-4, 1986.

Poklis, Alphome PhD, Problems With Drug Testing In DWI Cases, ?????

Ross, Leonard E & Susan M; Alcohol and Drug Use in Aviation, Alcohol Health and Research World, 9, #4, Summer, ????? 1985.


Seppala, T., Mattila, M.J., et al; Combined Effects of Anxiolytics and Alcohol on Psychomotor Performance In Young and Middle-aged Subjects, Drugs and Driving, 179-189, 1986.


SEDATIVES/HYPNOTICS:


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography

Rundell, O. H. et al, Comparative Effects of Alcohol, Secobarbital, Methaqualone, and Meprobamate on Information Processing and Memory, Drug-Related Studies and Dept. of Psychiatry & Behavioral Sciences, University of Oklahoma Health Sciences Center, Oklahoma City, Okla., Information Processing and Memory, p 617-628, ?


Wetli, C.V. Changing Patterns of Methaqualone Abuse. JAMA, 249(5) 621-626, 1983.


BENZODIAZEPINES:


Aderjan, R., Schmidt, Gg.; Pharmacokinetically Based Forensic Interpretation of Benzodiazepine Blood Levels, Institut fur Rechtsmedizin, Klinikum der Universitat 6900 Heidelberg, Volbstrasse 2.


Baker MI, Oleen MA. The Use of Benzodiazepine Hypnotics in the Elderly. Pharmacotherapy; 8: 241-47. 1988


Courney MWP, Ellis PF. Benzodiazepines in anxiety. Lancet 1: 537.1988

Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Ellinwood, Everett H, Jr., MD; Pharmacokinetics/Pharmacodynamics Interrelationships for Benzodiazepines, Overview of Presentation, Department of Psychiatry, Duke University Medical Center.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Subject Bibliography


Hollister, GE. Interactions Between Alcohol and Benzodiazepines, Recent Dev Alcohol, 8:233-239, 1990.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Subject Bibliography


Palva, E. S., Linnoila, M., Mattila, M. J.; Effect of Active Metabolites of Chlordiazepoxide and Diazepam, Alone or in Combination with Alcohol, on Psychomotor Skills Related to Driving. Mod. Probl. Pharmacopsych., Vol. 11, pp 79-84 (Karger, Basel 1976).


Compiled and edited by H. Chip Walls and Vicki Watts

Print Date 11-03-1993


Rouzioux JM, et al. The use of anexate (Ro 15-1788) in acute self-poisoning with benzodiazepines alone or combined with other drugs-preliminary results.) Resuscitation ;16(Suppl): S91-98. 1988


Sternbach LH. The discovery of CNS active 1,4-benzodiazepines. In: Costa E, ed. The benzodiazepines from molecular biology to clinical practice. New York: Raven Press, ; 1-6. 5 1983


The top 200 drugs. Am Druggist ;199: 38-52. 1989


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Antidepressants:


King, D.J., Bell, P., et. al.; A Preliminary Study of the Effects of Flosequinar on Psychomotor Function in Healthy Volunteers, International Psychopharmacology, 8, 155-168. 1991


Antihistamines:


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Analgesics/Aneasthesia

Analgesics and Their Effects on Skills Performance, Alcohol Drugs and Driving, April/June, 1989.


Stimulants


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts

Print Date 11-03-1993

Hurst, P. M. *Amphetamines and Driving*. Alcohol, Drugs, & Driving, 3 (1): 13-17, 1987.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Marijuana


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S. 
Committees on 
Driving Under the Influence of Drugs 
Subject Bibliography 


MISCELLANEOUS


Compiled and edited by H. Chip Walls and Vicki Watts 
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Blood and Breath Alcohol Literature


Compton, R P. Community Service As A Sanction For DWI, NHTSA Research Notes, Jan 1988.

Compton, R P. Field Evaluation of Tennessee's Mandatory Jail Sanction For DWI. NHTSA Research Notes, DOT HS-807-325.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Farina A J. Development and Field Test of A Responsible Alcohol Service Program: Volume III: Final Results, NHTSA Research Notes, July 1989.


Fraaer AC, et al. Ramitidine, Cimetidine, Famotidine Have No Effect On Post Prandial Absorption of Ethanol 0.0 g/kg Taken After An Evening Meal. Aliment Pharmacol Ther, 8:0, 693-700, 1992.


Frank J F. Assessment of DWI Classification Instruments, NHTSA Research Notes, Nov. 1989.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Levy M. Ride Service Programs As An Alcohol Countermeasure. NHTSA Research Notes, Aug 1988.


Moskowitz H. Driving-Related Skills Impairment At Low Blood Alcohol Levels, Alcohol, Drugs and Traffic Safety - T86.


Ramm DV. Drinking and Driving: Selected Research Literature, Northwestern Univ. Traffic Institute, No 97(S), Suppl. 1986.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Watson T, Lee J F. Intoxication and Trauma, Anesthesia For The Surgery of Trauma, Vol. 11/2, pp. 31-38.


Wright BM. Breath, Alcohol, And The Law, British Medical J., p 121, July 1977.


ANALYTICAL


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Committees on Driving Under the Influence of Drugs
Subject Bibliography


Clarke's Isolation and Identification of Drugs. 2nd Ed. 1986.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Cook, C. E., Radioimmunoassay of cannabinoids, in: Cannabinoid Analysis in Physiological Fluids, ACS Symp Ser No, Vinson, 1 A., Ed , American Chemical Society, Washington, D C , 1979, 137


Daldrup T, Susanto F, Michalke P. Combination of TLC, GLC (OV 1 and OV 17) and HPLC (RP 18) for A Rapid Detection of Drugs, Intoxicants and Related Compounds. Fresenius' Z Anal Chem, 308:413-427, 1981.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


S.O.F.T and A.A.F.S. 
Committees on 
Driving Under the Influence of Drugs 
Subject Bibliography 


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Hime GW, Bednarczyk LR. Identification of Basic Drugs In Urine By Dual Fused Silica Capillary Column GC. J Anal Tox, 6:247-249, 1982.


Huball, The Use of Chromatography In Forensic Science, Advances in Chromatography Vol 32. 1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Karlsson, K., Jonsson, J., Aberg, K., and Roos, C., Determination of delta-9-tetrahydrocannabinol oleic acid in urine as its pentafluoropropyl, parafluoropropionyl derivative by GC/MS utilizing negative ion chemical ionization, J Anal. ToIricol., 7, 198, 1983.


S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S. Committees on Driving Under the Influence of Drugs Subject Bibliography


Marc VD. Useful Sample Handlings for Reversed Phase High Performance Liquid Chromatography in Emergency Toxicology, Clinical Toxicology, 23:(7&8), 589-614, 1985-86.


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Subject Bibliography


Ng LL. Sample Preparation By Salts Precipitation and Quantitation By High-Performance Liquid Chromatography With UV Detection of Selected Drugs in Biological Fluids, J of Chrom, 23, pp. 345-353, 1983.


Compiled and edited by H. Chip Walls and Vicki Watts

Print Date 11-03-1993


S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Schutz H. Modern screening strategies in analytical toxicology with special regard to new benzodiazepines. Z Rechtsmed, 100: 19·37. 1988


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993
Subject Bibliography


S.O.F.T and A.A.F.S.
Committees on
Driving Under the Influence of Drugs
Subject Bibliography


Compiled and edited by H. Chip Walls and Vicki Watts
Print Date 11-03-1993