



Society of Forensic Toxicologists, Inc.

ToxTalk

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EDITOR: Joseph R. Monforte, Ph.D., DABFT **EDITORIAL BOARD:** H. Chip Walls, B.S., Jim Wigmore, Carl Selavka, Ph.D.
PUBLISHER: Patricia Mohn-Monforte

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Mark B. Lewis, B.S., DABFT
N Y State Police Crime Lab
Bldg 22 - State Campus
Albany, NY 12226-0001
518-457-1208

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422 Tustin
Newport Beach, CA 92663
714-642-0574
FAX: 714-642-2852

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Mesa Police Crime Laboratory
130 N. Robson
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602-644-2077
FAX: 602-644-2478

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Joseph J. Saady, Ph.D., DABFT
Virginia Commonwealth University
Medical College of Virginia Station
Richmond, VA 23298-0597
804-786-8165
FAX: 804-786-7722

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(ToxTalk Editor)

EXECUTIVE COORDINATOR

Patricia Mohn-Monforte
1013 Three Mile Drive
Grosse Pointe Park, MI 48230-1412
313-884-4718
FAX: 313-884-4718

TIAFT/SOFT 1994

SOFT Hosts:

Marilyn Huestis, Ph.D.
Horton McCurdy, Ph.D., DABFT
Box 10856
Tampa, FL 33679-0856

SOFT is a supporting
organization of the
American Board

PRESIDENT'S MESSAGE Mark B. Lewis, B.S.

After 15 or 16 years, this is the year TIAFT is revisiting the U.S. The TIAFT/SOFT Joint Congress (31 Oct. - 4 Nov. in Tampa, Florida) is preparing to be the THE scientific event of 1994. And while we will be "bridging the world of forensic toxicology," please be reminded we have this occasion to be a TIAFT/SOFT Ambassador! Laurel Farrell, Ambassador Committee Chair, tells us that we still need more participants to make this a grand "extended family reunion." Contact Laurel today and let her know you can help.

The preparation for the SOFT Conference on Drug Testing in Hair (pre-TIAFT/SOFT meeting) is progressing very well. A preliminary program of speakers/topics is inserted in this newsletter.

The JAT SOFT Special Edition Guest Editor, Dr. Jeanne Beno, informs us we can look forward to another fantastic issue. SOFT gives thanks to all authors/reviewers.

The SOFT/AAFS Laboratory Guidelines Committee chair, Dr. Graham Jones, advises that they are busy reviewing information gathered relative to a voluntary accreditation program for the professional practice of forensic toxicology. We can expect more on this topic as details develop.

Lastly, if there is anything that you see might be done to promote our profession and SOFT in the eyes of the world, please contact any of us here on staff. We look forward to speaking with you.

IN THIS ISSUE

REGULAR FEATURES: Journal Club & Career Opportunities & Professional Calendar
Blutalkoholkonzentration & Communiqué

TECHNICAL NOTES: Carcinogens (D. Isenschmid)
CASE NOTE: Morphine Poisoning (A. Mason)
Hair Drug Testing Cases (A. McBay)

ITEMS OF INTEREST: Minutes of the 1993 SOFT Business Meeting
Nominating Committee Slate & Proposed By-laws Amendments
1994 TIAFT/SOFT Information & A Closer Look at JCETT
SOFT Hair Conference Preliminary Program Outline

INSERTS:* TIAFT/SOFT 1994 Joint Congress Meeting and Hotel Registration
Forms & Call for Meeting Volunteers
DUID Materials Order Form (No. 2) & 1995 SOFT Dues Notice
SOFT Hair Conference Prelim. Program and Registration Form
JAT/SOFT Annual Tennis Tournament Flyer
*If available at time of mailing

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 the SOFT Treasurer. All members and others are encouraged to contribute to **ToxTalk**, mail material to: Joseph R. Monforte, **ToxTalk** Editor, c/o 8503 N. 104th Avenue, Peoria, AZ 85345

DEADLINES: Feb. 1, May 1, Aug. 1, and Nov. 1. **NEXT DEADLINE: NOVEMBER 1, 1994**

TIAFT-SOFT 1994
THE INTERNATIONAL ASSOCIATION OF FORENSIC TOXICOLOGISTS
AND
THE SOCIETY OF FORENSIC TOXICOLOGISTS JOINT CONGRESS
OCTOBER 31-NOVEMBER 4, 1994
HYATT REGENCY WESTSHORE
TAMPA, FLORIDA, USA

CALENDAR OF EVENTS OUTLINE

MONDAY-OCTOBER 31, 1994

WORKSHOP #1-Human Performance Testing: Drugs and Driving Impairment
WORKSHOP #2-Legal Aspects of Urine, Blood, and Hair Drug Testing
WORKSHOP #3-Current Analytical Approaches in Forensic Toxicology
Halloween Welcoming Reception

TUESDAY-NOVEMBER 1, 1994

EXHIBITORS OPEN

Opening Ceremony and Special Lectureship presented by Bryan S. Finkle, Ph.D.
Scientific Presentations
Prologues and Epilogues Special Presentations

WEDNESDAY-NOVEMBER 2, 1994

WORKSHOP #4- All day at Busch Gardens Park

THURSDAY-NOVEMBER 3, 1994

EXHIBITORS OPEN

Scientific Presentations and Poster Sessions
Elmer Gordon Open Forum & Bring Your Own Slides

FRIDAY-NOVEMBER 4, 1994

EXHIBITORS OPEN

Scientific Presentations and Poster Sessions
TIAFT and SOFT Business Meetings
Grand Finale Thanksgiving Banquet

HOTEL RESERVATIONS

Make your reservations directly with the Hyatt Regency Westshore Hotel **DEADLINE: SEPTEMBER 30**
Phone: 1-800-233-1234 or FAX 813-286-9864 **SINGLE/DOUBLE: \$129.00**

TRAVEL RESERVATIONS

CONTINENTAL AIRLINE has been designated as the Official Airlines and is offering special discounts.
For discount fares call: Continental Airlines 1-800-468-7022 **GIVE: Z CODE-ZJ31**

PALM TREE REGISTRATION

INCLUDES: Admission to all scientific sessions (excluding workshops #1-3), Halloween Welcoming Reception, Presidents Reception, Tuesday Luncheon, Tuesday Buffet Dinner, Thursday Luncheon, Friday Luncheon, Thanksgiving Finale Banquet, Workshop #4 (all day at Busch Gardens), Published Congress Proceedings, and all coffee breaks.

SAND DOLLAR REGISTRATION

INCLUDES: Admission to all scientific sessions (excluding workshops #1-3), Halloween Welcoming Reception, Presidents Reception, Thursday Luncheon, Thanksgiving Finale Banquet, and all coffee breaks.

EVERYONE HAS THE CHOICE TO CHOOSE EITHER REGISTRATION REGARDLESS OF MEMBERSHIP!

ACCOMPANYING PERSONS REGISTRATION

INCLUDES: Halloween Welcoming Reception, Presidents Reception, Thanksgiving Finale Banquet, and Workshop #4 (all day at Busch Gardens).

WORKSHOP # 4

INCLUDES: Round-trip transportation, admission ticket to Busch Gardens, morning workshop on Plant and Insect Toxicology, continental breakfast, luncheon, and morning and afternoon refreshments.

For a complete TIAFT/SOFT program  - or - if you have any questions ???
please send your inquiries by *facsimile* to Betty Buchan at FAX 813-886-1610

Some last minute meeting notes:

HELP WANTED: Enclosed with this issue of ToxTalk is a "call for volunteers" to help with the multitude of meeting tasks. Please be generous with your time and talents and respond today.

The **OPENING ADDRESS** will be given by Burdena G. Pasenelli, the Chief Financial Officer of the FBI. Mrs. Pasenelli has an illustrious career history and is currently the highest ranking woman in the FBI.

ALTERNATE HOTEL: Days Inn Rocky Point Hotel, \$50/night, single/double, phone 813-281-0000. 1 mile from Hyatt Westshore. Marilyn Huestis says it would be necessary to rent a car if you stay at this hotel. Pat's note: I called 1-800-325-2525 and got a \$39.95 rate.



COMMUNIQUE . . . *Patricia Mohn-Monforte, SOFT Executive Coordinator*

"SOFT TABLE" AT MEETING: I have requested an opportunity during the 1994 TIAFT/SOFT meeting to set up a table at a specific time to accommodate SOFT members' needs. If this is possible, look for posted time, etc. and come see me if you have questions about your membership status, want to pay your dues, etc.

1995 DUES NOTICES are inserted in this copy of ToxTalk. You will also have the option of paying your 1996 dues at this time. Be sure to read the back of the dues notice for additional information. Your dues payment should be mailed to:

Joseph J. Saady, Ph.D., DABFT, SOFT Treasurer
VA Commonwealth University - Medical College Campus
403 North 13th Street - Room 620, Richmond, VA 23298-0597

Non-U.S. members may particularly prefer to pay their dues at the TIAFT/SOFT meeting to avoid costly international bank drafts, etc.

WESTWARD HO! Since we plan to relocate this autumn, please do not send materials to the Michigan address. SOFT mail will be accepted at 8503 North 104th Avenue, Peoria, AZ 85345, until December 31st.

RESIGNATION NOTICE On July 22nd, I notified the SOFT Executive Committee of my intention to submit a letter of resignation in Tampa. To accommodate necessary preparations, this would be effective 12/31/94. I look forward to working with the Board toward a smooth transition. I am not retiring nor is health a problem.

S.O.F.T. CONFERENCE ON DRUG TESTING IN HAIR

October 29 and 30, 1994

Tampa, FL

REGISTRATION DEADLINE: SEPTEMBER 30, 1994 *No on-site registration.*

PRELIMINARY PROGRAM OUTLINE*

SATURDAY, October 29th

8:30 Introduction
8:45 Physiology and Chemistry of Hair
9:15 Pharmacology of Drugs in Hair
1:30 Epidemiology
3:15 Environmental Contamination & Washing
7:00 Open Forum

SUNDAY, October 30th

8:30 Welcome
8:45 Analytical Questions
11:30 Standards and Interlaboratory Studies
2:00 Practical Experience and Cases
4:00 Discussions
5:00 Conclusion

*Subject to change. Does not include breaks, etc.

The program includes speakers from the United States, Japan, France, Canada, Italy, Germany and Spain. For specific presentation titles and conference speakers, see the **PRELIMINARY PROGRAM** and **REGISTRATION FORM** inserted in this issue of *ToxTalk*.

For further information, contact: The CDM Group, Jerome Thompson, phone 301-654-6740 or fax 301-654-2210

ERA COMMITTEE ANNOUNCES TWO AWARDS

Congratulations to SOFT's most recent Educational Research Award recipients:

AMANDA JENKINS, \$750 award to continue her work, "*An investigation of the pharmacokinetics and pharmacodynamics of smoked heroin and cocaine in human subjects*," under the direction of Dr. Edward Cone at the Addiction Research Center in Baltimore.

KARLA A. MOORE, \$1,000 award toward her research project, "*The physical, analytical and pharmacological characterization of *alpha*-benzyl-*n*-methylphenethylamine, an impurity in illicit methamphetamine synthesis*," with Dr. Alphonse Poklis and the Medical College of Virginia in Richmond. ☼

SOFT WELCOMES 13 NEW MEMBERS

The following have successfully completed the application process:

#605 (F) David Fretthold, Ph.D., MBA
#606 (A) Shan Wong, Ph.D.
#607 (F) Daniel Conn, B.S.
#608 (A) Joseph Knapik, B.S.
#609 (S) Karla Moore, D.V.M.
#610 (F) Mary Kathryn Ah-Leong, B.S.
#611 (F) Christine Moore, Ph.D.

#612 (A) Mark Mantia, B.S.
#613 (F) Charles Lodico, M.S.
#614 (F) Charles Watson, Ph.D.
#615 (F) Lowel Van Berkomp, M.S.
#616 (F) Saeed Touserani, B.S., M.T.
#617 (F) Leon Glass, Ph.D.

Congratulations!

As of August 1, 1994, 27 new members have been admitted to SOFT so far this year - and an additional dozen or so are under review or incomplete. Membership Chair Vickie Watts and her committee members (Drs. Robert Osiewicz, Teri Stockham and Andrew Mason) have been diligently reviewing and processing the applications. ☼

HAIR DRUG TESTING CASES *Submitted by Arthur J. McBay, Ph.D.*

1979 SEXUAL ASSAULT: Hair and other evidence did not link defendant to the crime. Victim denied use of cocaine. Cocaine metabolite found in hair of victim by unconfirmed RIA admitted as evidence of her use of cocaine. *Smith, FR and Liu, RH. J For Sci 1986, 31:1269-73.*

1990 CHILD CUSTODY APPEAL: Appeal court upheld compelling discovery request for mother to submit hair specimens "in order to perform RIA test which would purportedly determine if the plaintiff (mother) used cocaine several months prior to the test." Mother admitted to prior use but not to recent use. *Burgel v. Burgel, 141 AD2d 215, NY, 1988*

1990 SEARCH APPEAL: US Appeal Court reversed a district court order which suppressed evidence seized pursuant to two search warrants. Judge Weinstein dissented because evidence seized, including hair specimens, could be analyzed to show the use of narcotics. *US v. Riley, 906 F 2nd 241 (2nd Cir 1990)*

1990 COCAINE CONVICTION APPEAL: Appeal Court affirmed the judgment of a district court that denied a motion that would have required an undercover detective to submit to a hair drug test. The motion was denied based on the 4th and 5th Amendments, the intrusive nature of the "experimental RIA analysis" and lack of any evidence officer used drugs. *US v. Foote, 898 F 2nd 659,669 (8th Cir 1990)*

1990 CHILD CUSTODY APPEAL: Appeal Court ordered deletion of lower court order compelling a mother and third party to submit hair specimens for RIA analysis to detect use of drugs. Basis for deletion, no "reasonable ground," but only suspicion mother smoked marijuana which, according to petitioner, is not readily detectable by test to be used. *Garvin v. Garvin, 162 AD2nd 497, NY, 1990.*

1990 HAIR TEST CHALLENGE: Trial court denied several requests of a defense council including those for fingernail and hair samples to be tested for evidence of cocaine addiction of a confidential police informant. *People v. Thurman 787 P2nd 646, CO, 1990.*

1990 REVOCATION OF PROBATION: The Federal appeal judge, after he had participated in the S.O.F.T. Hair Conference, admitted the positive results of a hair test as evidence of recent cocaine use. His ruling stated that the scientists' caution centering around the biochemical mechanisms of narcotics absorption and quality control in the laboratory are not based upon a challenge to the scientific principles of analytical chemistry which are the foundation of RIA. "These accepted principles establish that RIA is an effective and accurate method of detecting the presence of various compounds including narcotics. . . The results of the hair analysis report are accepted as some proof that probationer violated the conditions of his probation. Other evidence supports this beyond any possible doubt." *US v. Medina, 749 F. Supp 59 E.D. NY, 1990.*

1990 WORKPLACE DRUG TEST: Plaintiffs sought injunction against use of hair for workplace drug tests. Plaintiffs' attorney tried to enter into evidence part of the "S.O.F.T." report; it was excluded. Court found that RIAH test alone was not sufficient. Test was confirmed by GC/MS. State district court admitted positive results of the hair test. *Case 23740, 9th Dist Ct of NV, Douglas City, 9/12/90.*

1992 SUSPENSION OF OFFICER APPEAL: A law enforcement officer's appeal of his suspension was dismissed by a superior court. A search warrant of his house and car, and for blood and hair samples was obtained. The officer's blood and hair tested negative. during the search, the police found three hypodermic syringes and needles and anabolic steroids. *Maull v. Warren, Del Sup Ct, Case 91C-05-216.*

1993 TERMINATION OF OFFICER APPEAL: Urine specimen obtained during physical exam was positive for cocaine. A voluntary hair test was negative. Hearing officer refused to allow the results of the hair test and of a letter explaining how a false positive could have resulted. Appeal court ruled that exclusion of the evidence was error. "RIA of hair to determine cocaine is generally accepted in the scientific community . . . Hair analysis therefore meets the test for novel scientific evidence as enunciated in *Frye v. US.*" Florida recently restated its adherence to *Frye*. Testimony regarding false positive urine test was admissible to rebut the state's claim that urinalysis was reliable. The hearsay evidence should not be excluded since it is admissible for the purpose of supplementing or explaining other evidence. *Bass v. Fla. Dept. of Law Enforcement, 627 So 2nd, 1321, 1993.*

1993 WORKPLACE DRUG TEST APPEAL: Employee discharged because a 30-day hair test was cocaine positive. But chain of custody broken. Subsequent 90-day specimen was cocaine positive. Claimant attorney's question of validity of hair testing was rejected by the referee. Referee stated that drugs do show up in the hair if they are used and, if properly tested, can be detected. The preponderance of evidence established that hair testing done properly is an accepted form of drug testing. The preponderance of evidence established that the testing was done properly. The referee's determination was affirmed on appeal. *NV Employment Security Dept. Appeal Case V3-1403, 5/12/93.*

1993 UNEMPLOYMENT INSURANCE APPEAL: Employee's hair tested positive for cocaine but he was allowed to work subject to subsequent testing. On two occasions he did not appear for scheduled tests. When informed he would be dismissed if not tested, the test he submitted to four months after the first test was cocaine positive. He was discharged. The Administrative Law Judge concluded that the employee's discharge was for just cause. *Case No. 93-IBA-1108, Indiana Unemployment Appeal.*

CARCINOGENS

submitted by: Daniel S. Isenschmid, Ph.D., Member of the SOFT Health and Safety Committee

The Occupational Safety and Health Administration (OSHA) hazard communication standard (29 CFR 1910.1200) was developed to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees. The mandated hazard communication standard has made all laboratory workers more aware of the nature of the chemicals used in their laboratories. Furthermore, in 29 CFR 1910.1450 (Occupational Exposures to Hazardous Chemicals in Laboratories) OSHA has mandated that all employers are obligated to limit employee exposures to hazardous chemicals (listed in 29 CFR 1910 subpart Z and defined as a health hazard in 29 CFR 1910.1200(c)) at or below permissible exposure limits. OSHA defines a "health hazard" as a chemical for which there is statistically significant evidence that acute or chronic health effects may occur in exposed employees. The term "health hazard" includes chemicals that are carcinogens.

The definition of "carcinogen", however, has been the source of considerable debate between regulatory bodies and scientists. In Appendix A of 1910.1200 a chemical is considered a carcinogen if: (1) it has been evaluated by the International Agency for Research on Cancer (IARC), and found to be a carcinogen or potential carcinogen; or (2) it is listed as a carcinogen or potential carcinogen in the latest edition of the *Annual Report on Carcinogens* published by the National Toxicology Program (NTP); or (3) it is regulated by OSHA as a carcinogen. Because of the comments received in preparing the final rule of Section 1910.1450, OSHA tried to distinguish between the broad range of carcinogens covered in 1910.1200 and the narrower range covered in 1910.1450 and has defined the latter as "select carcinogens." A "select carcinogen" includes any substance that meets one of the following criteria: (1) it is regulated by OSHA as a carcinogen; or (2) it is listed under the category, "known to be carcinogens," in the latest edition of the *Annual Report on Carcinogens* published by the NTP; or (3) it is listed under Group 1 ("carcinogenic to humans") by the IARC. In addition, a substance listed either by NTP under the category "reasonably anticipated to be carcinogens," or listed by IARC in Group 2A ("limited evidence of carcinogenicity to humans") or 2B ("combination of sufficient evidence in animals and inadequate data in humans") shall be considered a carcinogen only if it has "additional qualifications". Additional qualifications refers to a significant tumor incidence in experimental animals in accordance any of the following criteria: (1) after inhalation exposure of 6-7 hours per day, 5 days per week, for a significant portion of a lifetime to dosages of less than 10 mg/m³; (2) after repeated skin application of less than 300 mg/kg of body weight per week; or (3) after oral dosages of less than 50 mg/kg of body weight per day. This version of the rule allowed the individual laboratory to decide to whether a substance listed under NTP's category "reasonably anticipated to be carcinogens" and IARC Groups 2A or 2B meets the criteria of moderate to high carcinogenic potency before requiring the special considerations prescribed in the final rule.

The National Institute for Occupational Safety and Health (NIOSH) is responsible for recommending health and safety standards while OSHA's jurisdictions include promulgation and enforcement activities. NIOSH has identified many chemicals that should be treated as occupational carcinogens although OSHA has not identified them as such. NIOSH uses a classification outlined in 29 CFR 1990.103 to determine carcinogenicity that states in part: potential occupational carcinogen means any substance, or combination or mixture of substances, which causes an increased incidence of benign and/or malignant neoplasms, or a substantial decrease in the latency period between exposure and onset of neoplasms in humans or in one or more experimental mammalian species as the result of any oral, respiratory or dermal exposure, or any other exposure that results in the induction of tumors at a site other than the site of administration. This definition includes any substance metabolized into one or more potential occupational carcinogens. NIOSH has not identified carcinogen threshold levels that will protect 100% of the population and therefore recommends only the most reliable and protective respirators be used to ensure maximum protection from inhalation exposure. OSHA requires respirators when necessary to maintain exposure below permissible exposure limits. The employer must measure the employee's exposure to any substance that requires monitoring if there is reason to believe the exposure level for that substance routinely exceeds the eight hour time-weighted average as designated in 29 CFR part 1910 (or the permissible exposure limit).

Regardless of how carcinogen is defined and whether exposure to the carcinogen has quantitative limits, there are always new chemicals being added to the list of carcinogens or suspected carcinogens. It may be concluded that the possibility exists of having been exposed to carcinogens before being aware of their carcinogenic potential. Just as universal precautions are used for handling biological specimens, appropriate consideration must be given to handling chemicals. Only chemicals that have been extensively tested for their carcinogenic potential and have been determined not to be a potential carcinogen should be considered as such. The Chemical Hygiene Plan established by a laboratory should clearly describe how chemicals should be handled and what precautions need to be taken when handling them. Minimally, a list of chemicals used by the laboratory which meet the OSHA or NIOSH definitions of carcinogen should be included as a table in the Chemical Hygiene Plan.

Some of the more common chemicals which may be encountered in the toxicology laboratory as solvents, reagents or standards that are considered occupational carcinogens in the NIOSH Pocket Guide to Chemical Hazards (1990) include: acetaldehyde, arsenic, benzene, benzidine, carbon tetrachloride, chlordane, chloroform, chromic acid and chromates as CrO₃, DDT, p-dichlorobenzene, 1,1-dimethylhydrazine, dimethyl sulfate, dioxane, ethylene chloride, formaldehyde, iodomethane, methylene chloride, nickel and other compounds (as Ni), polychlorinated biphenyls, silica (as respirable dust), tetrachloroethane, tetrachloroethylene, o-toluidi, trichloroethane, trichloroethylene, and vinyl chloride.

Comments regarding the SOFT Health & Safety Committee should be directed to the committee chair:

Amanda Jenkins, Toxicology Laboratory, Office of the Chief Medical Examiner, 111 Penn Street, Baltimore, MD 21201

Case Notes: Morphine Poisoning or "Take the Money and Run"

Submitted by Andrew P. Mason, Ph.D., D-ABFT, National Medical Services, Inc., Willow Grove, PA.

"Mr. B" was a 74 year old white male (170 lb., 77 kg) hospice patient who suffered from carcinoma of the prostate that had metastasized to bone. He had been prescribed morphine in tablet, oral solution, and suppository forms for analgesia, and estazolam as a sedative/hypnotic (which was not detected in subsequent analyses). It is not known whether or not Mr. B had access to or control over the administration of his medications.

During the final days of his life, Mr. B was under the care of a "friend of the family", whom we shall call "Mr. X". Mr. X had a criminal history including convictions for forgery and deceptive practices, a felony. While in prison, he had received some paramedical training.

Mr. B died in bed at his home on 28 July, 1993, and was embalmed and then buried on 31 July, 1993. As his demise was not unexpected, his death was ruled to be natural in manner. Following the funeral services, it was discovered that Mr. X had written several large checks on a bank account held for the decedent. When confronted with the allegation, Mr. X was indignant and denied any wrong doing. Members of the family took Mr. X to the bank to attempt to resolve the issue, but when they arrived, the bank was closed due to a bomb threat, so they returned home. A short time later, Mr. X disappeared, and could not be located. Subsequently, it was determined that over \$8,000.00 was missing from Mr. B's account, along with his credit cards, driver's license, and the deed to his home.

Due to the actions of Mr. X, and the increasing suspicions of the family of the deceased, Mr. B's body was exhumed and autopsied on 20 August, 1993. The autopsy determined that Mr. B suffered from a large number of pathological conditions including, but not limited to, the following: diffuse infiltrating prostatic adenocarcinoma that had metastasized to the bone marrow of the spine, scar tissue and lymph glands of the lungs, and to the lymph glands of the bladder, atherosclerotic cardiovascular disease, congestive and hypertensive pulmonary and cardiovascular disease, acute focal myocardial infarctions and ischemia, and many others. However, these diseases or pathologies were determined either not to be of sufficient magnitude or not to have progressed to the stage where they were considered to be life threatening.

Forensic toxicological analyses were performed for free and total morphine by GC/MS. Results are presented below.

Morphine concentrations, mcg/mL or mcg/g, (Conjugated Morphine = Total - free).

Specimen	Free	(%)	Conj.	(%)	Total
Aortic Blood Clots	9.2	84	1.8	16	11
Liver	1.2	60	0.8	40	2
Lung	1.8	82	0.4	18	2.2
Brain	0.088	31	0.192	69	0.28
Vitreous	0.28	18	1.32	82	1.6
Kidney	3.3	45	4	55	7.3
Urine	0.78	24	2.42	76	3.2

The results are notable for the magnitudes of the concentrations detected and the preponderance of free morphine in highly vascular tissues. The findings were determined to be most consistent with a very large administration of morphine probably given by injection, shortly before and resulting in the death of Mr. B [1].

The caregiver, Mr. X was eventually located living in a far away city under the assumed identity of the son-in law of the decedent. He was returned to stand trial for the aggregated homicide of Mr. B, was convicted, and sentenced to a lengthy prison term.

Reference: 1. Spiehler VR, "Computer assisted interpretation in forensic toxicology: Morphine involved deaths", J Forensic Sci, 34/5, 1104 -1115, (1989).

CALL FOR CASE NOTES

Your case note should be about 1/2 page in length, no more than a full page. Material or a disk (using Microsoft Works/Word 2.0) may be mailed to: **Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, c/o 8503 North 104th Avenue, Peoria, AZ 85345**
Other items of interest to SOFT members are also welcome. **Next deadline: NOVEMBER 1st, 1994**

Prepared By H. Chip Walls

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Technical Notes: BLUTALKOHOLKONZENTRATION No. 6

Submitted by: J.G. Wigmore, Toxicology Section, Centre of Forensic Sciences, Toronto, Ontario, Canada

Studies on the Formation of Ethanol in Fresh Blood Samples of Diabetics by K. Eckes, H.T. Haffner, and H. Leithoff, *Blutalkohol*, 21:302-307, 1984. German title: *Untersuchungen zur Neubildung von Athanol in Frischblutproben von Diabetikern*

Blood samples were collected from 63 ambulatory, treated diabetics between 20 to 87 years of age. The subjects had been fasting and were alcohol-free at the time of the collection of the blood sample. Immediately after collection, the blood sample was divided into 2 clean but not sterile glass tubes and sealed with rubber stoppers. The blood alcohol and blood glucose concentrations were determined within 8 hours of collection and after 4 days storage at room temperature (20° C).

The initial blood glucose concentrations on the first day were all above 200 mg/100mL, the highest blood glucose concentration was 499 mg/100mL. After 4 days storage, the blood glucose concentration decreased between 50 and 150 mg/100mL in the majority of samples and approximately 80% of the samples now have a blood glucose concentration less than 200 mg/100mL.

There was no increase in initial blood alcohol concentrations after 4 days storage of the blood samples. All BACs were less than 0.003 g/100mL.

The authors conclude that in blood samples from diabetics, after 4 days storage at room temperature, there can be a substantial decrease in the blood glucose concentration (due to red blood cell metabolism) without any concurrent increase in BAC. ☒

SOFT/AAFS D.U.I.D. COMMITTEE Materials Offer No. 2

Read the instructions on both sides of the enclosed order form carefully. If you do not include postage, your request cannot be mailed. Orders are logged in the database - duplicate orders will not be honored. ☒

EMERGENCY TOXICOLOGY CO-OP PROPOSAL

The following is a summation, with a few modifications, of an article published in the last issue of ToxTalk.

Attention forensic toxicologists practicing in the clinical arena and interested in an opportunity to consult with colleagues on the occasional difficult case involving a critical patient. This will be an informal FAX system to facilitate transmitting information among emergency volunteer consultations. A list of participants and network guidelines will be prepared and distributed only to those persons who are a part of this network. The system will be reviewed and evaluated periodically. This offer is limited to current SOFT members only. SOFT is not responsible for any actions, etc. of the participants. To participate, FAX the following to Chip Walls at 315-435-8439 (phone 315-435-3802): Your name ☒ Facility (your hospital, agency, etc.) ☒ Department ☒ FAX No. ☒ Phone No. ☒ state that you wish to participate in the SOFT volunteer emergency toxicology network. ☒

A.B.F.T. NEWS

Richard Shaw, A.B.F.T. Secretary, reports that the 1994 ABFT Annual Newsletter, including information on the 2nd Annual ABFT Breakfast (scheduled during the TIAFT/SOFT meeting), will be mailed soon. Persons interested in information on the ABFT certification program for Forensic Toxicologists (Ph.D.) or Forensic Toxicology Specialists (M.S.) should contact:

ABFT Administrative Office
c/o Forensic Sciences Foundation, Inc.
P.O. Box 669, Colorado springs, CO 80901-0669
Phone: 719-636-1100 FAX: 719-636-1993

Effective Lecture Slides

Submitted by W. Lee Hearn, Dade County Medical Examiner's Department

Have you ever squinted and strained through an entire AV presentation because you just couldn't read what was on the screen? Frustrating, isn't it? It's also a waste of time - both yours and the presenter's. You came to gather some sort of information, and the presenter came to communicate that information to you and the rest of the audience. Sounds like a winning combination, but everyone comes up a loser when a presentation can't be seen. . . and no information is conveyed!

When it's your turn to present, don't make the same mistakes! Make sure that your lecture slides clearly communicate and clarify your message!

If your budget allows, perhaps the best way to do this is to work with a slide specialist who can convert your information into dynamic, exciting visuals that influence and stimulate your audience. But whether you hire someone or do the work yourself, here are some important points you should know.

About Illustrations, Graphs, Tables, etc.

One of the biggest mistakes you can make is to think that legibility in one form means legibility in another. In other words, that picture you want to use from a book in your library isn't going to be as easy to read on the screen as it is on the printed page. We ordinarily read printed material at a distance of 12 to 14 in. (305 to 356 mm). The same image projected for presentation will be about 4 x 6 ft (1.2 x 1.8m), and the rear seats in a large room are often 70 ft (21.3m) from the screen. "Four feet high" sounds big, but reading the text of a 4-foot-high image from 70 feet is like reading a 2-inch version of this page. You'd probably only see the title.

Here's where your creativity and concern for your audience come in! Increase those line widths. And if there's too much detail in a drawing or too much copy to fit comfortably on a slide, *simplify*.

Some Important Tips on Lettering

Artists spend years learning to produce good lettering. How can you do it in a few hours? The answer's simple. You can't. What you can do, though, is use rub-down lettering (available from most art dealers or stationery stores). Or you can forget about the neat, precise approach and deliberately go for a bold, carefree style using a brush, broad pen, or chalk. This can look extremely effective if it's *obviously* casual-make single strokes and don't go over them a second time.

You can also use a thin black marker to make some free-form lettering, and then use bright colors to fill in. And don't forget the *typewriter*. For charts and flow diagrams, try typing on a light-colored paper. Cut the lines of type into strips and paste them onto dark-colored background to make up the chart you want. You can even type in white, if you wish. Set the typewriter to "stencil," select a black or dark-colored paper, and type on it using the white paper for correcting typing errors.

Use a template, 4-13/16 in. (12.25 cm) wide and 3-1/4 in. (8.25 cm) high, when you type copy for your slides. Remember not to go beyond 9 double-spaced lines high and 54 elite-(or 45 pica-) characters wide.* Keep captions, lines, or other markings within the template rectangle, too. A maximum 6x9 inch template should be used for all artwork.

Upper- and lowercase *elite* type is legible up to 40 ft (12.2m) from a projected image 5 ft (1.5 m) high; *pica* type is legible up to about 60 ft (18.3 m). Also remember that if you only use uppercase letters for a limited number of words, the screen legibility will increase somewhat.

You might want to trace the template on onionskin or clear plastic material that you can use as a guide to check the copy area and align the camera. Make sure that the viewfinder of your camera includes about 1/8 in. (3 mm) outside the template area on all sides. And be sure to remove your template before you photograph the copy!

Some Additional Points to Remember

- ✂ Use 2x2" color slides - they are effective, easy to make, and inexpensive.
- ✂ Color film is also convenient for making slides from black and white copy.
- ✂ Use a dark-colored background - it's more effective than black or white.
- ✂ Limit each slide to one main idea.
- ✂ Use a slide series for progressive disclosure - it clarifies your message greatly.
- ✂ Limit each slide to as few words as possible (maximum 15-20); include no more than you want to discuss.
- ✂ Leave space - at least the height of a capital letter - between lines.
- ✂ Include titles to supplement, not duplicate, slide data.
- ✂ Use several simple slides rather than one complicated one, especially if you plan to discuss a subject at length.
- ✂ Use duplicates if you need to refer to the same slide at several different times in your talk. It's impractical to expect the projectionist to search for and reshow a particular slide, and it's irritating to the audience.
- ✂ Plan your slides for a good visual pace in your presentation. Don't leave a slide on the screen after discussing it.
- ✂ Thumb-spot all slides in the lower-left corner when slide reads correctly on hand viewing, and add sequence numbers.

Excerpted from *Effective Lecture Slides*, Kodak Publication No. S-22
Kodak Motion Picture and Audiovisual Markets Division, Rochester, New York 14650

~ A Closer Look at S.O.F.T.:

JCETT: JOINT COMMITTEE FOR EDUCATION and TRAINING in TOXICOLOGY

Excerpts from materials distributed by the JCETT Committee

The JCETT was established to coordinate, develop, publicize and encourage the training and continuing educational activities of the members of its sponsoring groups. These sponsors include:

- The Society of Forensic Toxicologists (SOFT)
- The American Academy of Forensic Sciences/Toxicology Section (AAFS)
- The California Association of Toxicologists (CAT)
- The American Association of Clinical Chemistry/TOX-TDM Division (AACC)
- The Southwestern Association of Toxicologists (SWAT)

Each sponsor appoints 3 active members to serve 3-year terms each and financially supports JCETT, whose funds are administered by the treasurer of SOFT. The JCETT will meet at least twice a year, preferably at an annual meeting of a sponsor. The Canadian Society of Forensic Science will also be invited to participate.

The JCETT sub-committees are appointed by the JCETT Chairperson (currently Dr. Irving Sunshine) and chaired by members of the JCETT parent committee. Other sub-committee members are sought to achieve JCETT's goals. JCETT's current activities (and responsible person/s) include:

- Preparing and distributing JCETT Newsletter (Bruce Goldberger),
- Organizing a forensic toxicology laboratory visitation program (Lee Hearn),
- Establishing and circulating a bibliography of current articles (Rodger Foltz, Chip Walls),
- Accumulating materials from past forensic toxicology workshops (Michael Schaffer), and
- Developing workshop programs (Halle Weingarten)

SOFT members who would be interested in participating on any of the JCETT sub-committees should contact SOFT's current JCETT representatives - Lee Hearn, Chip Walls, or Vickie Watts. ☺

SURVEY RESULTS: PRIMARY AREA OF EMPLOYMENT

These figures were retrieved from the 1994 SOFT dues notices. Not all members responded.

	Post-mortem Cases	Academic	Research	Clinical	Urine Drug Testing	Other	No Other Designation	Totals
Private	11	4	5	20	51	29	11	131
Government	113	6	6	9	17	24	10	185
No Designation	2	7	-	3	1	-	-	13
TOTALS	126	17	11	32	69	53	21	329

Pat's reminder to respond to these important dates:

- Sept. 30** - Registration deadline for SOFT Hair Conference (*no on-site registration allowed*)
- Deadline for reduced rates at Hyatt Westshore, Tampa (call 1-800-233-1234 today)
- Pay a late fee for meeting registrations *received* after today
- Oct. 20** Last day to register for TIAFT/SOFT meeting by mail
- Oct. 29-30** SOFT Hair Conference (Tampa) - if you didn't pre-register, don't show up
- Oct. 31-Nov.4** TIAFT/SOFT 1994 Joint Congress (Tampa)
- Dec. 31** Last chance to pay your 1995 dues without a late penalty

FYI: SALARY SURVEY - *Chemical & Engineering News*, July 11, 1994.

1994 NOMINATING COMMITTEE ANNOUNCES SLATE

The following terms of office will end December 31, 1994: President Mark B. Lewis, Vice President Vina Spiehler, Treasurer Joseph J. Saady, and Directors Ronald C. Backer and H. Chip Walls. The President and Vice president each serve one-year terms. The Secretary and Treasurer serve two-year terms which expire in alternate years. Directors serve three-year terms.

The 1994 Nominating Committee, consisting of immediate past-president Alphonse Poklis, Ph.D., DABFT (chair), David Moad, Ph.D., and Joseph Monforte, Ph.D., DABFT, offer to the members of the Society of Forensic Toxicology the following nominees:

PRESIDENT: VINA SPIEHLER, PH.D., DABFT

Dr. Spiehler holds a B.A. and M.A. in Analytical Chemistry from California State University at Fullerton and a Ph.D. in Pharmacology and Toxicology from the California College of Medicine at the University of California at Irvine. As a Fogherty Fellow she performed a postdoctoral study in pharmacokinetics with Lennart Paalzow in Solna, Sweden. After seven years with the Orange County Sheriff-Coroner Crime Laboratory, Vina Spiehler received a Fulbright Fellowship at the Central Research Establishment of the Home Office Forensic Science Service at Aldermaston, UK, for research on the application of artificial intelligence programs to interpretation in forensic science. She has published more than sixty scientific papers and is currently consulting in private practice. Dr. Spiehler's service to SOFT includes Guest Editor SOFT Special Edition of JAT 1990, SOFT Director 1990-91, Secretary 1992-93, and Vice-president 1994. She currently also serves as secretary of TIAFT.

VICE PRESIDENT: H. CHIP WALLS, B.S.

H. Chip Walls received his B.S. Chemistry/Biology from the University of Alabama at Birmingham in 1972. His professional experiences have encompassed university, private, and government laboratories, including his present position as Toxicology Laboratory Supervisor with the Onondage County Health Department and Medical Examiner's Office in Syracuse, NY, which he has held since 1986. An active member of many toxicology-related organizations, Mr. Walls has served SOFT on numerous committees and workshop faculties and regularly attends SOFT meetings. Currently, Mr. Walls is a SOFT Director (1990-93), Chairman of the AAFS/SOFT DUID Committee, and member of the JCETT and ToxTalk Editorial Board ("Journal Club").

TREASURER: JOSEPH J. SAADY, PH.D., DABFT (TWO-YEAR TERM, 1995-96)

After receiving his Ph.D. in Pathology/Toxicology from the Virginia Commonwealth University, Dr. Saady joined the Medical College of Virginia where he is currently Associate Director of Toxicology and Director of the Forensic Laboratory. Dr. Saady's past SOFT activities include Director (1992), member of numerous committees, and attendance at SOFT annual meetings where he has presented many scientific papers. Currently, Dr. Saady is SOFT Treasurer, chairman of the E.R.A. Committee, and a member of the SOFT/AAFS DUID Committee. The Nominating Committee wishes to publicly express its appreciation to Dr. Saady for his willingness to continue his excellent, and often time-consuming, tasks as the Society's Treasurer.

DIRECTOR: MICHAEL L. SMITH, Ph.D., DABFT (THREE-YEAR TERM, 1995-97)

A Lieutenant Colonel in the U.S. Army, Dr. Smith has been with the Armed Forces Institute of Pathology since 1989 as Director of Forensic Toxicology then as Chief Deputy Medical Examiner, Forensic Toxicology, since 1993. He previously served as Commander and Technical Director of the Wiesbaden FTDT Lab, Germany (1985-89) and with the Clinical Investigation Department at Beaumont Army Medical Center (1981-85). Since obtaining his Ph.D. in Chemistry from Purdue University in 1974, "Mick" Smith has had nearly 50 papers published and has prepared more than 50 abstracts and/or presentations. Dr. Smith is an active participant at both SOFT and AAFS annual meetings.

DIRECTOR: J. ROBERT ZETTL, B.S., MPA (THREE-YEAR TERM, 1995-97)

Robert Zettl has worked for the Colorado Department of Health where he has held his current position as Chief, Operations Section, since 1992. After receiving his BS from Pittsburg State University in 1964, he went on to obtain his Masters in Public Administration from the University of Colorado in 1991. His professional activities include membership in numerous organizations, including SOFT, NSC, AAFS, SWAFS, and SAT, consultant to NHTSA and Federal DOT (including participating in regional workshops), presenting or publishing scientific papers with an emphasis on alcohol testing. Bob Zettl has always been a member SOFT could depend on when a job needed to get done!

Members are reminded that *only FULL MEMBERS may vote* at the annual meeting which will be held on Friday, Nov. 4, 1994, during the Tampa meeting. Nominations will also be accepted from the floor, per Parliamentary Procedure. ♀

ANNUAL BUSINESS MEETING MINUTES
OF THE
SOCIETY OF FORENSIC TOXICOLOGISTS, INC.
OCTOBER 16, 1993
PHOENIX, ARIZONA

The Annual Business Meeting of the Society of Forensic Toxicologists, Inc., was held on October 16, 1993 at the Buttes Conference Resort, in Phoenix, Arizona.

President Alphonse Poklis called the meeting to order at 8:50am and established a quorum. President Poklis advised attendees to sign in and reminded attendees that only full members may vote. On motion duly made and seconded and passed the Agenda was accepted.

The Minutes of the October 16, 1992 Business Meeting were accepted by acclamation after discussion in which Dr. Joseph Manno asked that it be noted that he was present at the meeting in Cromwell, CT, and Dr. Art McBay asked that the SOFT Hair Committee report be presented. Reading of the minutes of the meeting revealed that the SOFT Hair Committee Report was not a part of the October 16, 1992 Business Meeting minutes.

President's Report: Alphonse Poklis, Ph.D. - President Poklis thanked all the standing committees and their chairs for excellent efforts on behalf of SOFT. He recognized the outstanding job turned in by the Executive Coordinator in the past year. He announced the creation of a new committee on Liability which is chaired by Yale Caplan. He announced that Marilyn Huestis will co-chair the next joint meeting to be held in 1994.

President Poklis reported that he had been approached by Charles Winek, Associate Editor of *Forensic Science International*, to comment on behalf of SOFT on the publication of the Proceedings of the 1st International Meeting in Genoa Italy 10-11 December, 1992 on Hair Analysis as a Diagnostic Tool for Drugs of Abuse Investigation, (published as a Special Issue Volume 63 Numbers 1-3, December 1993). Dr. Poklis submitted a letter of comment to Elsevier to be published in *Forensic Science International*.

President Poklis announced that the transcript of the 1990 NIDA-SOFT Conference on Hair will not be published and will not be available because it is now out of date.

President Poklis reported that it is the policy of the Board of Directors of SOFT that the work product of any SOFT committee is the property of this organization and not of any individual committee member.

President Poklis announced that the DOT regulations promised at the workshop in Hartford CT to SOFT membership will not be available.

President Poklis reported that he has received a letter of agreement from TIAFT President Rokus de Zeeuw between TIAFT and SOFT for the joint meeting to be held in Tampa Florida the first week of November 1994.

Vice President's Report, Mark Lewis: The Vice President's Report will be combined with the Meeting Resources Report since the Vice President is the Chair of the Meeting Resources Committee.

Secretary's Report, Vina Spiehler, Ph.D.: The Minutes of the 1992 SOFT Business Meeting were prepared by the Executive Coordinator and submitted to the membership in the September 1993 ToxTalk, Vol 17 No. 3.

Treasurer's Report, Joseph Saady, Ph.D.: The financial statement for SOFT for 1 Jan 93 to 13 Sept 1993 has been posted through-out the meeting and distributed to attendees at this meeting. Total income in this period was \$48,889.07 and total expenses were \$10,513.71. The general fund contains \$38,375.36 and the ERA fund contains \$51,176.33. The greatest expense was \$5642.37 for the Administrative Office which includes paying someone to answer the phone, handle paperwork and inquiries. The second largest expense was for the newsletter, ToxTalk.

Dr. T. Speaker asked why the bank fees were so high (\$374.74). Dr. Saady replied that category includes fees for bounced checks and stop payment orders.

An Amendment to the Agenda was approved and Awards were announced before the Committee reports.

Awards: President Poklis thanked Tinsley Preston for sponsoring the tennis tournament at this meeting and Preston Publications for once again producing a special SOFT meeting issue of the Journal of Analytical Toxicology. President Poklis noted that the exhibitors thought that this joint SOFT/CAT meeting was exceptional. There were a record number of exhibitors. Exhibitors felt welcome and rewarded by the attention, planning and competence of the meeting committee.

Tinsley Preston presented Drs. Joseph and Barbara Manno with a special award for editing the 1993 SOFT special issue of the Journal of Analytical Toxicology. Barbara Manno thanked the reviewers (all fifty of them), the publisher and the administrative coordinator of SOFT for their help in expediting the manuscripts and getting the special issue published in time for the annual meeting.

Committee Reports

a. **By-Laws,** Kurt Dubowski . Since there was no activity in this committee, there is no report.

b. **Budget, Finance and Audit**, James Valentour, Chair, reported that the committee has carried out an audit of the treasurer's records and the 1992 IRS forms. All are in order and consistent with the Treasurer's Report for Jan - Sept 1993 presented above. Dr. Saady was commended by the committee for outstanding organization and good record keeping.

c. **SOFT/AAFS Forensic Toxicology Laboratory Guidelines**, Graham Jones is the new Chair of this committee. Lee Hern and Marina Stajic have recently been added to the committee. Dick Prouty and Leo Del Cortivo, who are leaving the committee, were thanked for their contributions.

Proposed changes to the Guidelines were published in the September 1993 issue of ToxTalk. These changes do not include changes to the appendix. It was moved by Graham Jones and seconded by Andrew Mason and passed that the committee report be accepted.

The Guidelines and the draft proposal for Accreditation will be published in future issues of ToxTalk and News and Views Newsletters of SOFT and the Academy Toxicology Section.

d. **Publications**, Joseph Manno thanked last year's editor, Dr. Chip Walls, and all the reviewers. The Co-Editors for this issue, Drs. Barbara and Joseph Manno, received 15 manuscripts. All manuscripts were reviewed by two reviewers and turned around in 1-2 weeks at each step. All reviewers' questions were answered. The list of reviewers will be passed on to the next Special Issues Editor. Getting the notice of the call for papers out early did not help as the deadline had to be extended. The issue was filled through the regular review process. The issue is complete and available to meeting attendees at the Preston Publications exhibit.

e. **Health and Safety**, Marilyn Huestis, Chair, explained that the committee will be providing an article in every issue of ToxTalk on health and safety issues. The committee will also provide members with a literature survey. If anyone needs forms from OSHA, they should contact Dr. Huestis.

f. **Drugs and Driving**, Chip Walls, Chair: This is a joint committee of SOFT and AAFS consisting of Everett Solomons, Laura Shevlin, Mark Lewis, Vickie Watts, Ronald Bell, Dennis Crouch, Sam Howell, Rod McCutcheon, Joseph Saady, Teri Stockham, James Valentour, Robert Zettl, Laurell Farrell and Norman Wade. The AAFS and SOFT committees have joined to pull together the AAFS database and incorporate this with the SOFT DUID monographs.

Vickie Watts and Chip Walls have compiled a bibliography directed toward the drugged driver: detection and interpretation of the toxicology laboratory findings. The bibliography is broken into two parts. The first is by subject and the second is by alphabetical listing by the last name of the first author. The bibliography now exceeds 900 citations. Both bibliography files have been copied onto high density 3.5 inch floppy disks. Both have been stored as Word Perfect 5.1 and as an ASCII format. The subject bibliography will be published in the November issues of AAFS News and Views. The disks were distributed to SOFT business meeting attendees. It is intended that members can return disks in the future for updates of the references.

The results of the DUID "State of the Practice" survey have been compiled and are also included in the red packets. Work is under way to contact various laboratories returning the surveys regarding specifics of their analytical strategies. Dr. Walls also pointed out that the red packets being passed out to attendees at the Business Meeting contain the Monograph on Cocaine. Members not present at the Phoenix meeting will receive their copy by mail. The Monograph by Marilyn Huestis on Marijuana will be ready by the AAFS meeting in San Antonio. The Monograph on PCP is being prepared by Dr. Donna Bush. Future Monographs will include Morphine and Codeine and Benzodiazepines.

g. **Education and Career Opportunities**, Jane Speaker. A one page draft statement was received by the SOFT Board of Directors. A revised draft will be published in ToxTalk.

h. **Liabilities and Insurance**, Yale Caplan is collecting information for a report in the future.

i. **Continuing Education**, Lee Hern reported on the first three meetings of the Joint Committee on Education and Training in Toxicology (JCETT). This committee consists of three appointed representatives from each of the sponsoring organizations (CAT, SOFT, AACC and AAFS). The SOFT Representatives are Vickie Watts, Chip Walls and Lee Hern. The chair of JCETT is Irving Sunshine. Each sponsoring organization pays \$500/year in dues. The objectives of the JCETT are to share and co-ordinate CE and training programs. To date JCETT has collected a number of collections and lists (materials from workshops, lists of training programs, grants and awards) which are available from the CAT Library. Since the recent CAT one week workshop had to be canceled due to lack of registration, the meeting of the JCETT at Phoenix spent a great deal of time discussing how to improve training workshops and to make them transportable and available all over the country. Registration forms have been distributed through-out the week for participation in the JCETT Visiting Scientist Program. Interested persons are encouraged to contact Lee Hern. Additional organizations which may be invited to join JCETT are the Canadian Toxicology Section of CSFS and the Southwest Association of Toxicologists.

j. **Education Research Award**, The committee consists of Barry Levine, Chair, Joseph Saady and David Moody. One application has been received and processed in the past year. Amanda Jenkins, a Ph.D. student from the University of Maryland submitted an application entitled "An Investigation of the Pharmacokinetics and Pharmacodynamics of Smoked Drugs of Abuse in Human Subjects." Following review the committee approved and funded the award at \$750. Amanda Jenkins presented a report on this study in the scientific session at this meeting.

k. **Membership**, Vina Spiehler, Chair, Committee members are Robert Osiewicz, Teri Stockham and Tim Rohrig. In 1993 through August, the Membership Committee received 50 applications of which the Committee approved 27 as Full Members, 6 as Associate Members and 2 as Student Members. Three were reclassified from Associate to Full member. Three were rejected due to incomplete applications. Seven applications are currently in committee. Two members have been given Retired status by vote of the Board. SOFT currently has 415 members. Dr. Spiehler asked members who are references for applications to return their forms promptly to the Secretary.

l. **ToxTalk**, Joe Monforte, Editor; Patricia Mohn-Monforte, Publications Editor; Chip Walls, Vickie Watts and Brad Hepler, Contributing Editors. ToxTalk is a quarterly newsletter. The editors are stringent with deadlines and contributors are realizing that if an item isn't received by the stated deadline it may not be included in the issue. Every effort is made to make accommodations in the best interest of the membership.

The editor thanked Dr. Wigmore for his translations of articles from the German publication, Blutalkohol. More contributions of a scientific nature are needed. The standard articles and materials such as the Journal Club are the backbone of the newsletter. Dr. Monforte encouraged members to submit case reports, and articles.

m. **Nominating**, The Nominating Committee, Jeanne Beno, Bob Osiewicz and Nancy Wu Chen, chaired by Immediate Past president Jeanne Beno, prepared the following slate of officers for consideration by the SOFT membership: for 1994 President, Mark Lewis, B.S., DABFT; Vice President, Vina Spiehler, Ph.D., DABFT; Secretary, Vickie Watts, M.S., and Director, Marilyn Huestis, Ph.,D.

n. **Meeting Resource Committee**, Mark Lewis

1993 (Arizona) - Vickie Watts: This meeting has been a tremendous success in all aspects. It is the largest gathering of toxicologists ever held. There are 440 registrants, 89 for the Grand Canyon, 171 for the GC/MS workshop, 149 for the Analytical workshop and 166 for the DUID workshop, 355 for the general meeting, 90 for workshops or Saturday meeting only and 55 guests. There are 32 exhibitors out of 40 possible and 17 sponsors. Thanks to our exhibitors and sponsors, the meeting will show a net profit. Of the attendees, 50 are members of both organizations, 99 are CAT members and 158 SOFT members, 140 are members of neither organization.

1994 (Florida) - Marilyn Huestis-Horton McCurdy: The '94 SOFT/TIAFT meeting will be held in Tampa, Florida at the Hyatt Regency Westshore hotel. Marilyn Huestis described the workshops planned for the Tampa Meeting, the two tier registration (*al a carte* vs all inclusive) and the preliminary program and the social program. The theme of this joint meeting will be Bridging the World of Toxicology. Exhibit space will be available for 40 exhibitors and exhibits will be open Tuesday, Thursday and Friday. Color brochures advertising the meeting paid for by Hyatt and Busch Gardens will be sent to TIAFT Bulletin and ToxTalk Editors for inclusion in the Fall newsletter issues.

Marilyn Huestis will be responsible for the scientific program and Horton McCurdy will be responsible for publicity, promotion and registration.

1995 (Silver Anniversary) - Yale Caplan and Bruce Goldberger. The meeting will be in one of the Baltimore Inner Harbor hotels and will feature classic papers and special poster sessions. This will be the 25th Anniversary Meeting of SOFT.

1996 (open) - Mark Lewis. Site selection has not been finalized. A pool of members will be conducted on the back of the next dues notice.

Executive Coordinator's Report, Patricia Mohn Monforte. The Executive Coordinator provides administrative services to the Board and SOFT, including processing membership applications and dues notices and producing the annual directory using the official SOFT database. More than 50 membership applications were processed in 1993. The documentation process of application is usually completed within 60 days. More than 100 1994 dues notices have been processed and 35 notices to members of failure to pay 1993 dues with warning of removal for non-payment were mailed on 8/25/93. Pat thanked SOFT for the gifts of appreciation and expressed her enjoyment in working on the 1993 meeting.

ABFT Report, Yale Caplan, President of ABFT, reported that the Board held a breakfast for diplomates attending the SOFT meeting and distributed a new Roster of DABFT Diplomates. There are currently 171 Diplomates and 6 specialists. Dr. Caplan recognized new diplomates, Jeff Gere, Kathy Baldwin-Cassel, Mike Smith, and Mark Young. Four Candidates passed their exams at this meeting. Donna Bush, Catherine Brown, Leland McClure and John Vasiliades. Six specialist certificates have been issued to Bruce Goldberger, Donna Shire, Susan Mills, Ron Coleman, William Dunn and Mathew McMullen.

Awards and Recognitions: ERA Award Recipient Amanda Jenkins was recognized. Mike Peat was honored for his work as chair of the Guidelines Committee. Vickie Watts was recognized for achievements as Chair of the Joint SOFT/CAT meeting and for her work on the SOFT Board of Directors. Vina Spiehler was thanked for her work as Secretary. Mark Lewis was recognized for his achievements as Vice President.

Old Business

It was moved by Graham P. Jones that the proposed changes to the Guidelines, as published in Tox Talk, September 1993 issue be adopted and seconded by Leo Del Cortivo. The motion passed by acclamation.

New Business

Beth Marker proposed that SOFT send information about the ERA to graduate programs.

Art McBay asked to read a statement on Hair and was referred to the Elmer Gorden Forum

Dr. Ed Cone raised the question of objectivity and biases in abstracts and presentations at SOFT annual meetings. Dr. Cone read a statement on the scientific process and criteria for abstracts from vendors and individuals who are paid by vendors. Dr. Cone asked that SOFT develop a policy on statements of conflict of interest or commercial interest of authors in commercial products. After discussion, Ed Cone moved that the SOFT President form a committee to look into formulating a SOFT policy on conflict of interest. the motion was seconded and passed.

Chip Walls moved for a vote of appreciation for Vickie Watts. The motion was passed by acclamation and Vickie received a standing ovation.

Jeanne Beno will be the SOFT Editor for the Journal of Analytical Toxicology SOFT Special Issue for 1994.

Nominations from the Floor and Elections: No nominations were received from the floor for President, Vice President, Secretary or Member of the Board. Each individual office was opened, closed, moved and voted. All were approved as proposed by the Nominating Committee. Robert Eberhardt moved that the new officers be approved by acclamation. The motion was seconded by Leo Del Cortivo and approved by the membership present.

Past President Bob Bost presented Immediate Past President Alphonse Poklis with a plaque and welcomed him to the fraternity of Past Presidents of SOFT.

Adjournment. The meeting was adjourned at 10:40am. ☺

Editor's note: These Minutes were submitted by 1992-93 SOFT Secretary Vina Spiehler

S.O.F.T. FINANCIAL STATEMENT January 1 to September 13, 1993

The following was presented at the 1993 SOFT Annual Business Meeting by J. Saady, SOFT Treasurer.

EXPENSES

\$ 374.74	Bank fees
500.00	Joint Education Committee
750.00	CPA fee
750.00	ERA student award
5,642.37	Administrative office
1,916.32	ToxTalk
580.00	Miscellaneous
\$10,513.71	TOTAL EXPENSES

INCOME

\$38,401.57	1992 General Fund carryover
8,931.00	Dues (1992-3-4 and late fees)
530.06	Interest
1,026.44	Miscellaneous
\$48,889.07	TOTAL INCOME

**TOTAL AVAILABLE FUNDS: \$38,375.36 General Fund
\$51,176.33 ERA Fund (\$50,738.33 CD + \$438.00 Donations)**

1995 DUES NOTICES are inserted in this issue of ToxTalk. You may also pay your 1996 dues at this time.

SOCIETY OF FORENSIC TOXICOLOGISTS, INC.

PROPOSED BYLAWS AMENDMENTS

February 1994

1. Issue and Rationale

Several clarifications of membership issues have been approved as SOFT policy by the Board of Directors and need to be reflected in the Bylaws. These include details of membership terminology, the application process, and membership termination, with due process safeguards. There are also other conforming amendments.

2. Proposed Amendments (only pertinent provisions are cited)

Language to be deleted is ~~struck out~~; language to be added is ~~shaded~~

CHAPTER II. MEMBERSHIP

Section 1. Qualifications

- C. Applicants must be sponsored by two ~~(2) Full Members of SOFT~~ members in good standing of ~~SOFT~~.

Section 2. Type of Members ~~Membership Categories~~

- A. REGULAR ~~FULL~~ MEMBERS: Regular ~~Full~~ Members are those who fulfill qualifications set forth in Section 1. above...
- B. ASSOCIATE MEMBERS: Applicants who do not qualify for regular ~~membership~~ ~~Full Member~~ status, but who demonstrate interest in...
- C. RETIRED MEMBERS: Retired Members are ~~regular members~~ ~~Full Members or Charter Members~~ with at least 25 years experience in forensic toxicology or 10 years of regular ~~membership~~ ~~Full Member or Charter Member~~ status in SOFT... Applications for ~~retired member~~ ~~Retired Member~~ status...
- D. CHARTER MEMBERS: Charter Members are ~~regular members~~ ~~Full Members~~ who have attended...
- E. STUDENT AFFILIATE MEMBERS: Students pursuing degrees and careers in disciplines related to forensic toxicology may apply for ~~membership as student affiliate members~~ ~~Student member~~ status. ~~These members may not vote.~~ 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 to the Secretary or the Secretary's designee.
- B. ~~Any member who fails to remit his dues after a second written notice from the Treasurer shall, at the end of the following fiscal year, be dropped from membership.~~ A member in any category whose dues are two (2) years in arrears shall be dropped from membership. Dropped members may reapply for the appropriate category of membership after paying any dues owed at the time of termination of prior membership.
- D. C. A member in any category may be censured or may be expelled from SOFT for unethical or other conduct contrary to the public interest, conduct detrimental to the profession of forensic toxicology, or conduct detrimental to SOFT as an organization. Charges alleging any such conduct must be presented in writing by a member of SOFT to the President of SOFT, who, with the approval of the Board of Directors, shall appoint an AD HOC Disciplinary Committee to investigate the charges and recommend the action, if any, to be taken against the member. Prior to any adverse action, a member shall be notified in writing of the nature of the charges and afforded an opportunity to file a written response to the charges and/or to appear at a formal hearing before the Board of Directors.

CHAPTER III. OFFICERS AND BOARD OF DIRECTORS

Section 3. Qualifications of Elected Officers and Directors

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

Section 8. Vacancies in Office

- B. Vacancies in any other office shall be filled by the Board of Directors by selection, by majority vote, of a qualified full member Full Member to serve for the remainder of the current calendar year...

- 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~~ **Full Member** to serve for the remainder of the unexpired term.

CHAPTER IV. MEETINGS AND CONDUCT OF BUSINESS

Section 1. Annual Meeting

- A. ~~Time and Place.~~ **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 per cent of the ~~regular members~~ **Full Members** shall constitute a quorum.

CHAPTER V. COMMITTEES

Section 1. Nominating Committee

- A. **MEMBERS 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~~ **Full Members**, each having a one (1) year term of office...
- 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~~ **Full Membership** of SOFT at least (30) days prior to the start of the Annual Meeting.

Section 2. Membership Committee

- A. **MEMBERS 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~~ **Full Members** serving staggered three (3) year terms...
- 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.

Report by Committee on Bylaws
Kurt M. Dubowski, Ph.D., Chairman

2 February 1994

FULL MEMBERS OF S.O.F.T. WILL HAVE THE OPPORTUNITY TO VOTE ON THESE PROPOSED BYLAWS AMENDMENTS DURING THE 1994 ANNUAL BUSINESS MEETING

ELMER GORDON OPEN FORUM

AN OPPORTUNITY FOR INFORMAL DIALOGUE

ANSYS OFFERING \$15,000 AWARD FOR OUTSTANDING APPLICATIONS USING SOLID PHASE EXTRACTION USING SPEC AND \$1,000.00 FOR SUBMITTING SPEC ARTICLES TO ACCEPTED REFEREE JOURNAL. *Deadline: June 30, 1994*
For further information, including a list of acceptable journals, telephone Darrell Adams, Ansys/Toxi-Lab, at 800-854-0277 or Fax 714-770-0863. Information will also be available at their booth during the 1994 TIAFT/SOFT meeting.

Congratulations to: Ed Cone and Angie Sampson who were recently married. **Ray Kelly** and his bride, **Connie**. **Bruce Goldberger**, recipient of AACC award for Outstanding Scientific Achievements by a Young Investigator.

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. A file on available positions is also maintained at the SOFT Administrative Office exclusively for member reference.

POSTDOC IN FOR TOX: 2 yr; R&D, testify and breath alcohol; permanent position potential. Contact Mark Carfagna, Ph.D., Indiana Univ Sch of Medicine, Pharmacology/Toxicology, Med Res Fac 003, 1001 Walnut St, Indianapolis, IN 46202-5196 (Phone 317-274-7824)

Part-time: NIDA lab, IA & GC/MS, Philly area. Reply to: Dept MRL, P O Box 2969, Warminster, PA 19874.

PROFESSIONAL CALENDAR

California Association of Toxicologists (CAT) quarterly meetings and workshops. For information contact Vickie Watts at 602-644-2077, FAX 602-644-2478. 11/12/94 San Diego; 2/04/94 San Francisco; 5/06/95 Los Angeles

American Academy of Forensic Sciences (AAFS) annual meeting: Contact Brenda Papke, 719-636-1100. Future AAFS meetings: 2/18/95 Seattle; 2/19-24/96 Nashville; 2/17-22/97 New York City.

Southern Assoc of Forensic Toxicologists: September 7-10, Orlando, FL. Contact David Baer 407-423-6800 (FAX 423-6754)

AFIP courses: "Basic Forensic Pathology" 10/3-7, Rockville, MD; "DNA Databanks & Repositories" 11/4-5 St. Paul; "Advanced Forensic Pathology" 3/21-25/95, Quantico, VA (FBI Academy). Contact Thom Lowther 301-427-5231, FAX 301-427-5001.

Midwestern Assoc of Forensic Scientists: October 11-16, Cleveland, OH. Contact Mary Wenderoth 216-623-5646.

Northeastern Assoc of Forensic Scientists: October 13-15, New York, NY. Contact Jeffrey Lubert 516-853-5585.

Calif Assoc of Criminalists and the Forensic Science Society: October 19-22, Pasadena, CA. Manuel Munoz 213-343-0503.

SOFT CONFERENCE ON DRUG TESTING IN HAIR: October 29-30, 1994. Immediately preceding TIAFT/SOFT Joint Congress. SOFT and TIAFT members specifically invited. Registration: \$60 SOFT & TIAFT members; \$100 others. See meeting packet for hotel registration information or contact CDM Group, Inc. 301-654-6740 (Jerome Thompson). *Pre-registration required; deadline September 30, 1994.*

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. Marilyn Huestis and Horton McCurdy.

CSFS/NAFS Joint Meeting (Canadian Society of Forensic Science and Northwest Association of Forensic Scientists): Oct. 31 - Nov. 5, 1994, Vancouver, BC. Contact Jeffrey Caughlin at 604-264-3507, FAX 604-264-3499.

ACS NATIONAL MEETING: April 2-7, Anaheim, CA. Contact ACS Meetings at 202-872-4396.

SOFT 25th Anniversary Meeting: Baltimore. Contact Dr. Yale Caplan, 1995 SOFT Meeting Host, National Center for Forensic Science, Div. Maryland Medical Lab., 1901 Sulphur Spring Rd., Baltimore, MD 21227 (telephone: 410-536-1485).

FUTURE S.O.F.T. MEETINGS: Members interested in hosting a future SOFT meeting should contact Meeting Resource Committee Chair Vina Spiehler at 714-642-0574 or FAX 714-642-2852.

ATTENTION: SOFT and AAFS/Toxicology Section Members

RE: SOFT/AAFS Committee on Driving Under the Influence of Drugs
MATERIALS OFFER No. 2

The SOFT/AAFS D.U.I.D. Committee has prepared the following materials which are available to **SOFT and AAFS/Toxicology Section current dues-paying members only**. To receive your copy, follow these instructions carefully. Non-U.S. members should read the note below. Remember, we need to keep this simple if we wish to continue offering materials to members. Requests including *Item c.2 and/or Item e* will be mailed when that materials are available.

- 1) Complete this form. Please follow the instructions carefully.
- 2) Check which materials you require, **do not re-order if you already have a copy**. Offer available *only while supply lasts*.
 - a) *Drug Monographs: Cocaine* by Daniel S. Isenschmid, Ph.D. (print date: October 1993)
 - b) *Drug Monographs: Marijuana* by Marilyn Huestis, Ph.D. (print date: February 1994)
 - c.2) *Bibliography, updated projected 10/94* (3-1/2" disk, DOS format: ASCII and WordPerfect 5.0) (Enclose \$1 U.S. with mail orders.)
 - e) *Drug Monographs: Benzodiazepines* by Chip Walls, B.S., and Vickie Watts, M.S. (anticipated print date: October 1994)
- j) Enclose the appropriate postage with the understanding that postage will not be returned if the materials are no longer available. All stamps must be 29 cent U.S. stamps.

3 stamps for 1st item + 2 stamps for each additional item = _____ 29 cent U.S. stamps

I am a current, dues-paying member of: SOFT AAFS Both SOFT and AAFS

Print/type: Your name _____

The address in the SOFT database will be used for SOFT or SOFT/AAFS members. AAFS members must complete below:

Mailing address _____

_____ Zip Code _____

For non-SOFT members: Please send information on SOFT membership next SOFT meeting

Mail to: D.U.I.D. #2, c/o SOFT MAIL SERVICE, 8503 North 104th Avenue, Peoria, AZ 85345

Attention non-U.S. members: Contact H. Chip Walls, Tox Lab Room 706, 600 South State Street, Syracuse, NY 13202 USA (or FAX 315-435-8439) for ordering instructions.

THIS OFFER EXPIRES DECEMBER 20, 1994.

A form with new instructions will be distributed when the next monograph is available.

(Pat 08/10/94)

**ATTENTION NON-U.S. MEMBERS OF S.O.F.T. and/or A.A.F.S.
Toxicology Section:**

How can you send me U.S. postage when you live in another country? I have no idea, so . . . here is an alternative

- 1) Complete this form.
- 2) Mail the form before October 1st.
- 3) Pick up the requested materials at the 1994 TIAFT/SOFT Congress.
- 4) If you cannot attend the 1994 TIAFT/SOFT Congress, you may identify a person who is attending the meeting to accept the materials on your behalf.
- 5) If you order a bibliography disk, \$1 will be collected when the materials are distributed.

ATTENTION U.S. MEMBERS OF S.O.F.T. and/or A.A.F.S. Toxicology Section:

Sorry, we cannot physically carry enough materials to distribute them to everyone at the TIAFT/SOFT Congress.

However, if you wish, you may bring your completed order form to the 1994 TIAFT/SOFT Congress, and I will collect it there.

You must pay \$1 for any disk at that time. You will also be required to give me the postage or cash value with your form. Hope this helps.

To all persons requesting or receiving materials at the 1994 TIAFT/SOFT Congress: It will be your responsibility to find me. Check the registration desk during my volunteer hours.

ATTENTION ALL PERSONS WHO ARE NOT CURRENT, DUES-PAYING MEMBERS OF SOFT OR THE AAFS TOXICOLOGY SECTION: Sorry, but there is no mechanism established to receive materials through me.

NOTE: I CANNOT ACCEPT ORDERS MAILED AFTER DECEMBER 20, 1994.

*Patricia Mohn-Monforte, SOFT Executive Coordinator
15 August 1994*

CALL FOR VOLUNTEERS

for the

'94 TIAFT/SOFT JOINT CONGRESS

When 1994 SOFT Meeting Co-Host Marilyn Huestis told me she would need help from SOFT members during the Tampa meeting, I offered to

"ROUND UP THE USUAL SUSPECTS"

The Meeting Committee needs your help! They need moderators, assistant moderators, ticket takers, registration workers, etc.

They need YOU!

Lend a .

It's E Z



Print your name here _____

Phone no. _____

FAX no. _____

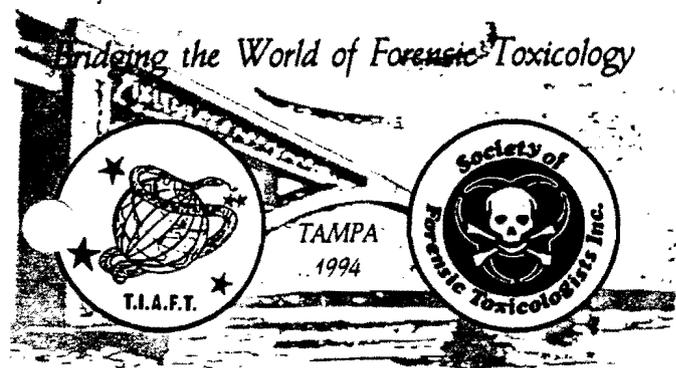


FAX this sheet to: Marilyn Huestis at 805-379-1342

N O W ! ! ! (PLEASE)

The line starts behind me. Thanks for your help. I look forward to seeing you in Tampa.

Pat



THE INTERNATIONAL ASSOCIATION
OF FORENSIC TOXICOLOGISTS (TIAFT)
AND THE SOCIETY OF FORENSIC
TOXICOLOGISTS (SOFT) JOINT CONGRESS
31 OCTOBER - 4 NOVEMBER, 1994
TAMPA, FLORIDA, USA

PRELIMINARY PROGRAM

SUNDAY, 30 OCTOBER 1994

Pre-conference tour to Cape Canaveral / Kennedy Space Center

MONDAY, 31 OCTOBER 1994

WORKSHOP #1 (MORNING): Human Performance Testing-Drugs and Driving Impairment

This workshop will focus on the latest developments in the area of Human Performance Testing. Drugs to be discussed will include cocaine, marijuana, and the benzodiazepines.

WORKSHOP #2 (AFTERNOON): Legal Aspects of Urine, Blood, and Hair Drug Testing

This workshop will explore urine, blood and hair drug testing from a legal point of view and will include a review of the latest case precedents established in court.

WORKSHOP #3 (ALL-DAY): Current Analytical Approaches in Forensic Toxicology

This workshop will address the basic techniques of analytical toxicology for the bench toxicologist.

HALLOWEEN WELCOMING RECEPTION (Bring your costume-Prize for best costume!)

TUESDAY, 1 NOVEMBER 1994

ANNUAL SPECIAL LECTURESHIP - PRESENTED BY BRYAN S. FINKLE, PH.D.

SCIENTIFIC PLATFORM AND POSTER PRESENTATIONS

EXHIBITS

"PROLOGUES AND EPILOGUES" - While bridging the world of forensic toxicology, we will bridge the time as well. This exciting new evening program will do so by revisiting the 19th century laboratories of Dr. Orfila and Dr. Stas, and examining the cases of Count Hippolyte de Boccarme (1851) and Marie Lafarge (1940).

WEDNESDAY, 2 NOVEMBER 1994

DAY AT BUSCH GARDENS:

WORKSHOP #4 - PLANT AND INSECT TOXICOLOGY

BREAKFAST, LUNCH, AND DAY-LONG SAFARI

THURSDAY, 3 NOVEMBER 1994

SCIENTIFIC PLATFORM AND POSTER PRESENTATIONS

EXHIBITS AND LUNCHEON

TIAFT AND SOFT PRESIDENTS' RECEPTION

ELMER GORDON OPEN FORUM AND BRING YOUR OWN SLIDES

FRIDAY, 4 NOVEMBER 1994

EXHIBITS, TIAFT AND SOFT BUSINESS MEETINGS

SCIENTIFIC PLATFORM PRESENTATIONS

FINALE INTERNATIONAL BANQUET-AN AMERICAN THANKSGIVING HOLIDAY THEME

SATURDAY-MONDAY, 5-7 NOVEMBER 1994

OPTIONAL TOURS TO DISNEY WORLD, UNIVERSAL STUDIOS, AND SEA WORLD

CALL FOR PAPERS: Abstracts must be received by *July 1, 1994*. Abstract forms will be available by January 1, 1994. Both members and non-members are encouraged to submit abstracts.

ATTENTION EXHIBITORS: Our conference will give you a high visibility opportunity to market your services and products to a targeted audience of forensic toxicologists, physicians, attorneys, law enforcement officers and legal nurse consultants. Since the conference is held over a five day period, you will have plenty of time to spend with current and potential clients. We encourage attendees to visit you by hosting all coffee breaks in the exhibit area.

FEES: There will be a two tiered set of registration fees. The first fee will be a basic fee in keeping with traditional SOFT meetings. The second fee will be an all-inclusive fee in keeping with traditional TIAFT meetings. Both fees will include add-on fees for programs such as the workshops and the day at Busch Gardens. Everyone has the choice to choose either fee, regardless of membership. Access to all events will be restricted and require registration. A late fee will be applied to all registrations after September 30, 1994.

HOTEL: Hyatt Regency Westshore Telephone: 813-874-1234 or 1-800-233-1234
6200 Courtney Campbell Causeway Telex: 529371 FAX: 813-286-9864
Tampa, Florida 33607 USA Rates: Single/Double \$129.00 US

Reservation deadline : September 30, 1994

The Hyatt Regency Westshore provides complimentary shuttle service to and from Tampa International Airport. The airport is approximately five minutes away from the hotel.

DRESS CODE: Casual attire suitable to a warm semi-tropical climate is suggested. Bring shorts, a bathing suit, sunglasses, and a light wind breaker. The Thanksgiving Finale Banquet will be dressy attire.

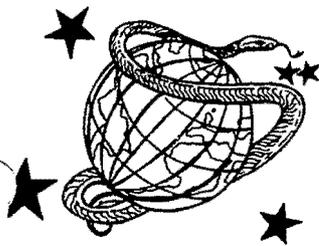
EARLY REGISTRATION: Register by *AUGUST 1, 1994* and receive a beautifully crafted TIAFT-SOFT 1994 FLORIDA T-shirt absolutely free. A fee will be charged for these souvenir T-shirts after August 1, 1994, if any remain available.

INFORMATION CONTACT: Send all information requests to: TIAFT-SOFT 1994

Post Office Box 10856

Tampa, Florida 33679-0856 USA

*****PLEASE DISREGARD THE MEDICAL EXAMINER DEPT. ADDRESS IN THE GLOSSY BROCHURE***



TIAFT/SOFT Joint Congress

October 31 - November 4, 1994

Tampa, FL USA



Instructions for Abstract Preparation

General Instructions:

The program committee solicits abstracts on all forensic toxicology topics, but is especially interested in papers on the analysis of drugs and metabolites in alternative biofluids and tissues such as hair, sweat, saliva, semen, skin, vitreous, amniotic fluid, meconium, breast milk, and in papers relating drug concentrations to performance impairment, drug interactions, drug metabolism, pharmacology, and pharmacokinetics. An original and three copies of the abstract must be submitted on the official abstract form. Please also submit the abstract on a computer disk, if possible. Any IBM or Macintosh word processing format, or ASCII format can be accommodated. Please label the disk with the first author's name, IBM or Macintosh, and the word processing program utilized. The **deadline for submission** of abstracts is **July 1, 1994**. The authors of all papers will be required to register for the meeting.

Scientific papers selected for presentation will be divided into two groups: Platform Presentations (15 min including questions, limit of one per presenter) and Poster presentations (4 ft high by 3.25 ft wide). Tack boards and thumb tacks will be provided. In an effort to increase communications between speakers and attendees, and to avoid simultaneous scientific sessions, several prizes will be awarded for poster presentations. In addition, there will be contests and prizes for attendees who visit the most poster presentations. Only abstracts written in English will be considered.

Content of Abstract:

1. Author(s) names and addresses
2. Short specific title
3. Statement of paper's objectives
4. Statement of methods, if pertinent
5. Summary of results
6. Statement of conclusion

Format of Abstract:

Your abstract must be typed and submitted in a neat and legible format following the instructions and style provided in the sample below. Type the entire abstract within the boxed area, single space. Type the title in upper and lower case, followed by the author(s) names and addresses. Use an asterisk to identify the presenting author. Separate the author(s) names from the body of the abstract by a single blank line. Indent each paragraph three spaces. Identify three key words at the bottom of the abstract.

Notification of Acceptance:

All submitting authors will be notified of receipt of the abstract. Notification of acceptance of the abstract and selection of the type of presentation will be mailed or sent by facsimile no later than September 15, 1993.

Specific Instructions:

Complete the attached form and follow the sample provided below. Proofread all information provided. Return the original, three additional copies, and an IBM or Macintosh disk with the abstract, if possible, to:

Mailing address: TIAFT/SOFT 1994
PO Box 10856
Tampa, FL 33679-0856

Street address: TIAFT/SOFT 1994
1030 Brookview Avenue
Westlake Village, CA 91361

Submissions by Federal Express, Airborne, DHL, other commercial carriers or express mail should utilize the street address.

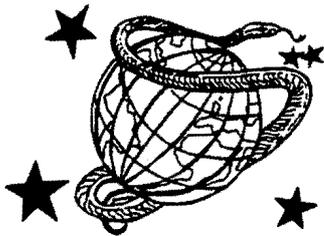
Sample Abstract

Title: Type upper and lower case. Use significant words descriptive of subject content.

Author(s) names and address(es): Type upper and lower case; spell out first and last names, use middle initial, e.g., Marilyn A. Huestis

Indent each paragraph three spaces. Type the entire abstract within the boxed area, single spaced. Do not type in all capital letters. Capitalize and punctuate exactly as you wish the abstract to appear.

Key Words: Type three key words or phrases in upper and lower case.



TIAFT/SOFT Joint Congress

October 31 - November 4, 1994
Tampa, FL USA

Abstract of Paper

Deadline for submissions July 1, 1994



Presenting Author, Name and Mailing Address:

Telephone: _____

FAX: _____

Presentation Preference:

Oral Poster

Affiliation: TIAFT SOFT Neither

Co-author(s), Address(es), Business Affiliations

Do you intend to submit the full manuscript for inclusion in the PROCEEDINGS? YES NO

Has this paper been presented before? Yes No
Where and When? _____

Available Audio-Visual Equipment:

35mm slide projector & pointer

Mailing address:

TIAFT/SOFT 1994

PO Box 10856

Tampa, FL 33679-0856

Street address:

TIAFT/SOFT 1994

1030 Brookview Avenue

Westlake Village, CA 91361

The abstract review committee reserves the right of final placement of the paper. The authors of all papers will be required to register for the meeting.

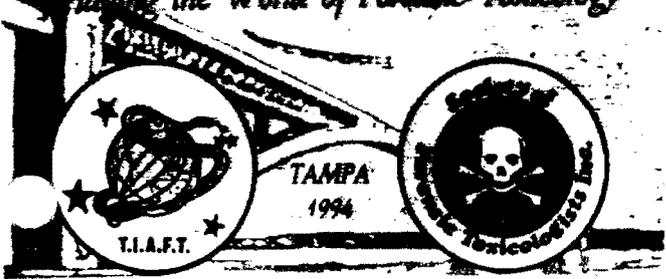
Signature of submitting author

[Large empty rectangular box for abstract content]

TIAFT/SOFT JOINT CONGRESS

OCTOBER 31 - NOVEMBER 4, 1994

TAMPA, FL USA



REGISTRATION INFORMATION

There are two types of registrations: The **Sand Dollar Registration** and the **Palm Tree Registration**. The Sand Dollar Registration is a basic fee in keeping with traditional SOFT meetings. The Palm Tree Registration is an all-inclusive fee in keeping with traditional TIAFT meetings. Both types of registrations are fully described below. There is also a description of Workshop #4 and the Accompanying Persons Registration. Everyone has the choice to choose either registration, regardless of membership. Attendees using the Sand Dollar Registration form may also purchase the accompanying persons registration package on the Palm Tree Registration form, if so desired.

SAND DOLLAR REGISTRATION

The basic meeting registration includes admission to all scientific sessions, the Halloween Welcoming Reception, the Presidents Reception, Thursday Luncheon, the Thanksgiving Finale Banquet, and all coffee breaks.

PALM TREE REGISTRATION

The basic meeting registration includes admission to all scientific sessions, the Halloween Welcoming Reception, the Presidents Reception, Tuesday Luncheon, Thursday Luncheon, Friday Luncheon, Tuesday buffet Dinner, Workshop #4, Published Congress Proceedings, and all coffee breaks.

ACCOMPANYING PERSONS REGISTRATION

This registration includes the Halloween Welcoming Reception, the Presidents Reception, the Thanksgiving Finale Banquet, and Workshop #4 (all day at Busch Gardens).

WORKSHOP # 4

This workshop includes round-trip transportation, admission ticket to Busch Gardens, all-day adventure in Busch Gardens, morning workshop on Plant and Insect Toxicology, continental breakfast, luncheon, and morning and afternoon refreshments. An optional vegetarian lunch is available.

TRAVEL RESERVATIONS

Continental Airlines has been designated as the Official Airline for the TIAFT/SOFT Joint Congress. Continental Airlines and Continental Express will offer 5% off the lowest applicable fare at the time of booking or at least 45% off of full first class fares and 45% off of full coach fares. These discounts are only applicable within the continental United States. For discount fares call:

CONTINENTAL AIRLINES 1-800-468-7022

OR

PRIME TIME TRAVEL (INTERACTIVE RESEARCH CORP.) 1-800-636-8747

International Travel discounts are also available. Please call your nearest Continental Airlines Reservations Office.

To receive the very best discount when making your travel plans, you must refer to:

Z CODE - ZJ31



TAMPA
1994



TIAFT/SOFT JOINT CONGRESS
October 31 - November 4, 1994
TAMPA, FL USA

SAND DOLLAR REGISTRATION

NAME _____ Degree _____

Last First

Title/Agency _____

Address _____

Telephone _____ Fax _____

Guest(s) _____

Member TIAFT _____ SOFT _____ BOTH _____ NON-MEMBER _____

	<u>TIAFT/SOFT</u> <u>MEMBER</u>	<u>NON-</u> <u>MEMBER</u>	<u>TOTAL</u> <u>ENCLOSED</u>
Basic Meeting Registration	\$100	\$140	\$ _____
Workshop #1 (Human Performance, 10/31/94, 8:30 am - 12:00 noon)	\$ 35	\$ 55	\$ _____
Workshop #2 (Legal Aspects, 10/31/94, 1:30 pm - 5:00 pm)	\$ 35	\$ 55	\$ _____
Workshop #3 (Current Analytical Approaches, 10/31/94, 8am-5pm)	\$ 55	\$ 75	\$ _____
Workshop #4 (Plant & Insect Toxicology, 11/2/94, 8:00 am-6:00 pm) Optional vegetarian lunch _____).	\$65 per person x _____ people		\$ _____
Full-Time Student or Daily Registrant (Permits attendance at scientific sessions only: Tues., Thurs. or Friday. Fee is per each day.)	\$ 30	\$ 50	\$ _____
Published Congress Proceedings	\$ 30	\$ 55	\$ _____
Extra Tickets:			
Halloween Welcoming Reception	\$25	_____ # of tickets	\$ _____
President's Reception	\$25	_____ # of tickets	\$ _____
Thanksgiving Finale Banquet	\$35	_____ # of tickets	\$ _____
Luncheon (Tues.)	\$16	_____ # of tickets	\$ _____
Luncheon (Thurs.)	\$16	_____ # of tickets	\$ _____
Luncheon (Fri.)	\$16	_____ # of tickets	\$ _____
Buffet Dinner (Tues.)	\$25	_____ # of tickets	\$ _____

Meeting T-Shirts (1 free if registered by August 1) LARGE _____ X-LARGE _____ XXLARGE _____

May not be available after Sept. 30, 1994. \$12 each for extra shirts. _____ # Extra Shirts \$ _____

LATE FEE: For all registrations received after September 30, 1994 \$30 \$ _____

No mail registrations accepted after October 20, 1994. Payment: Personal or business checks drawn on a USA bank, International Bank Checks or Money Order. All funds must be paid in US dollars. Make payable to: TIAFT/SOFT 1994

Cancellation of Registration: 70% refund if canceled prior to August 10, 1994; 50% refund if canceled prior to October 7, 1994; No refund if canceled after October 7, 1994

Total Enclosed \$ _____

MAIL TO: TIAFT/SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856 USA

TIAFT/SOFT JOINT CONGRESS
OCTOBER 31 - NOVEMBER 4, 1994
TAMPA, FL USA



TAMPA
1994



PALM TREE REGISTRATION

NAME _____ Degree _____
 Last First
 Title/Agency _____
 Address _____
 Telephone _____ Fax _____
 Guest(s) _____
 Member TIAFT _____ SOFT _____ BOTH _____ NON-MEMBER _____

	TIAFT/SOFT MEMBER	NON- MEMBER	TOTAL ENCLOSED
Basic Meeting Registration	\$225	\$285	\$ _____
Workshop #1 (Human Performance, 10/31/94, 8:30 am-12:00 noon)	\$ 35	\$ 55	\$ _____
Workshop #2 (Legal Aspects, 10/31/94, 1:30 pm - 5:00 pm)	\$ 35	\$ 55	\$ _____
Workshop #3 (Current Analytical Approaches, 10/31/94, 8am-5pm)	\$ 35	\$ 55	\$ _____
Full-Time Student or Daily Registrant (Permits attendance at scientific sessions only: Tues., Thurs. or Friday. Fee is per each day.)	\$ 30	\$ 50	\$ _____
Accompanying Person Registration	\$140	___ # of tickets	\$ _____
Extra Tickets: Halloween Welcoming Reception	\$ 25	___ # of tickets	\$ _____
President's Reception	\$ 25	___ # of tickets	\$ _____
Thanksgiving Finale Banquet	\$ 35	___ # of tickets	\$ _____
Luncheon (Tues.)	\$ 16	___ # of tickets	\$ _____
Luncheon (Thurs.)	\$ 16	___ # of tickets	\$ _____
Luncheon (Fri.)	\$ 16	___ # of tickets	\$ _____
Buffet Dinner (Tues.)	\$ 25	___ # of tickets	\$ _____

Meeting T-Shirts (1 free if registered by August 1) LARGE _____ X-LARGE _____ XXLARGE _____
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 Total Enclosed \$ _____

MAIL TO: TIAFT/SOFT 1994, P.O. Box 10856, Tampa, FL 33679-0856 USA

ATTENTION: SOFT and AAFS/Toxicology Section Members

**RE: SOFT/AAFS Committees on Driving Under the Influence of Drugs
MATERIALS AVAILABLE**

The SOFT/AAFS D.U.I.D. Committee has prepared and distributed at the immediate-past SOFT and AAFS meetings some outstanding materials. Since it is not possible for all members of these organizations to attend the meetings, SOFT has offered to assist in distributing these materials to SOFT and AAFS/Tox Section members who have not yet received them. We are trying to keep the process as simple as possible.

If you did not have an opportunity to get a copy of the bibliography (computer disk) or cocaine monograph distributed at the 1993 SOFT meeting or the marijuana monograph distributed at the 1994 AAFS meeting, you may order these by following the instructions below.

Do not request any items you have already received. This offer is valid only while supplies last.

- | | <i>Postal Weight</i> |
|--|----------------------|
| a) <input type="checkbox"/> <i>Drug Monographs: Cocaine</i> by Daniel S. Isenschmid, Ph.D.
Print date: October 1993 | 2 oz. (2 stamps) |
| b) <input type="checkbox"/> <i>Drug Monographs: Marijuana</i> by Marilyn Huestis, Ph.D.
Print date: February 1994 | 3 oz. (3 stamps) |
| c) <input type="checkbox"/> <i>Bibliography</i> (3-1/2" disk) <input type="checkbox"/> DOS format (ASCII and WordPerfect 5.0)
Updated disks will be available at the TIAFT/SOFT meeting - <i>you must bring a <input type="checkbox"/> disk to exchange</i> | 2 oz. (2 stamps) |

Send 1st class postage stamps (U.S.) - no checks. You may use the "Postal Weight" above, but it will be less expensive to calculate postage needed by total weight:

2 oz = 0.52	3 oz = 0.75	4 oz = 0.98
5 oz = 1.21	6 oz = 1.44	7 oz = 1.67

This offer is limited to current SOFT and AAFS members only. You are a current member of:
_____SOFT _____AAFS _____Both SOFT & AAFS

(please print or type)

Your Name _____

Complete mailing address _____

Zip code _____

SOFT members - the address on your SOFT database will be used.

If you are **not a SOFT member**, check if you would like to receive information on: membership
 next SOFT meeting
(Pat 3/94)

Mail to: D.U.I.D., c/o SOFT MAIL SERVICE, 8503 North 104th Avenue, Peoria, AZ 85345