



Society of Forensic Toxicologists, Inc.

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ToxTalk

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Vickie W. Watts, M.S.
Joseph R. Monforte, Ph.D., DABFT
(ToxTalk Editor)

1998 ANNUAL MEETING HOSTS

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EDITORIAL BOARD: H. Chip Walls, B.S., Jim Wigmore, B.Sc., Daniel Isenschmid, Ph.D., DABFT, Vincent Papa, Ph.D.

PUBLISHER: Patricia Mohn-Monforte

IN THIS ISSUE

REGULAR FEATURES: Journal Club ✂ Professional Calendar ✂ Career Opportunities ✂
From the Editor's Desk ✂ Elmer Gordon ✂ Drugs in The News ✂ President's Message

TECHNICAL NOTES: Blutalkoholkonzentration ✂ Methamphetamine Use and Abuse - a
History (Papa) ✂

OF SPECIAL INTEREST: 1997 SOFT Annual Business Meeting Minutes ✂ 1998 ERA
Awardees ✂ SOFT/TIAFT '98 "At A Glance" ✂ 1998 Nominating Committee Slate ✂

INSERTS*: '98 SOFT/TIAFT Meeting Materials

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

Many details of the 1998 SOFT Annual Meeting are included in this issue of ToxTalk. Please review these materials carefully. I'm certain you will all agree that this will be another exciting and rewarding event.

You may notice that there are no case reports in this issue of ToxTalk. It is disappointing that there have been no contributions, particularly in view of the fact that the membership of SOFT is approaching 600. Take the time to share your laboratory experiences with your colleagues by submitting a case report. ✂

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

ToxTalk is mailed quarterly (bulk mail) to members of the *Society of Forensic Toxicologists, Inc.* It is each member's responsibility to report changes of address to the SOFT mailing address (Mesa, AZ - above). Non-members may now receive ToxTalk for \$15 per calendar year. Make your check payable to SOFT and mail it directly to the ToxTalk Editor.

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

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

Telephone: 602-595-6646 Fax: 602-595-6663 - after 11 a.m. E.S.T. please

E-mail: monforte@juno.com

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

NEXT DEADLINE: *Novembert 1, 1998*

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

PRESIDENT'S MESSAGE by Joseph Saady, Ph.D., DABFT

A question for forensic scientists to consider: ARE WE ETHICAL?

ETHICS - conforming to accepted professional standards of conduct; the discipline dealing with what is good and bad and with moral duty and obligation.

Have they turned to the "dark side?"

It happened several times. I read the deposition or heard the testimony and could not exactly believe what the "expert witness" said. Perhaps it was the way in which the question was cloaked by the crafty attorney which made the "expert" answer that way. How could he possibly say that the blood alcohol was zero at the time of the accident? Yes, I agree that we cannot predict impairment from urine concentrations, but 20,000 ng/mL methamphetamine does not signify casual use. And yes, they are listed as being a member of SOFT, but no, they are not involved.

Frequently, our professional services are requested for an opinion, deposition, and/or testimony. Hopefully, the opinion, deposition, and/or testimony would not change or waver whether the prosecution, plaintiff or defense asked the question.

The scientific opinion should be unbiased.

If you have given an opinion once, then that opinion, if accurate, will not change unless new scientific information emerges. It is human nature for us to want to provide a good service to the attorney who is paying the expert witness fee. But we cannot compromise our opinions to suit the situation. In many instances, the attorney who hires you may present only a "partial truth" in order to color the expert opinion. Later, and sometimes on the witness stand, other information is presented. The unbiased expert will clearly explain the circumstances of the opinion(s). The expert will not be affected by "he said" or "she said" matters. It may be that another profession is handsomely rewarded for shading, clouding or confusing the truth, but we must remain "ethical".

As reputable scientists we must adhere to ethical behavior.

In my previous employment message I indicated that "your reputation, the manner in which you conduct yourself, your resume, your skills and problem solving ability will stay with you." Certainly this applies to your unbiased expert opinion.

A concise rule of thumb concerning this is that . . . **this field demands a high degree of professionalism and ethics. Our motives, methods and opinions should be beyond reproach.** ☒

PRESIDENT SAADY ENCOURAGES YOUR INPUT! You may . . .

E-mail, fax, or write to Joseph J. Saady, Ph.D., DABFT
(*new address*) Virginia Division of Forensic Sciences, 700 North 5th Street, Richmond, VA 23219
e-mail at Saady@hsc.vcu.edu
fax to 804-786-6305 (*new*)

REMINDER TO SOFT BOARD MEMBERS AND COMMITTEE CHAIRS

The SOFT Board Meeting will be held Tuesday, October 6th, at 6:30 p.m. Report forms and more specific information will be distributed. Please make every effort to submit your report by the stated date. For further information, contact President Saady. ☒

S.O.F.T. / T.I.A.F.T

OCTOBER 5 - 9, 1998
Albuquerque, New Mexico

"MEETING AT A GLANCE"

Saturday: October 3, 1998

Pre-conference tours: Acoma Pueblo; City Tour/Indian Cultural Center; Sandia Peak Tram Ride and Mountain Trails; Jemez Springs Mountain Area; Bandelier National Monument.
3:00 p.m. - 9:00 p.m. College of American Pathologist (CAP) FUDT Inspector Workshop (registration 2 pm - 3 p.m.)

Sunday: October 4, 1998

Pre-Conference Tours: Balloon Festival Mass Ascension at Dawn; Albuquerque City Tour (morning)
8:00 a.m. - 6:00 p.m. Registration
1:30 p.m. - 5:30 p.m. Workshop #S1 - Expert Witness Testimony - Aspects From Other Nations
1:30 p.m. - 5:30 p.m. Workshop #S2 - Is Hair Analysis Racially Biased?
7:00 p.m. - 10:00 p.m. SAMHSA NLCP Inspectors Workshop

Monday: October 5, 1998

7:00 a.m. 2nd Annual SOFT 5K Fun Run/Walk
8:00 a.m. - 6:00 p.m. Registration open
8:00 a.m. - noon Workshop #1 - Pharmacology and Analytical Toxicology of Drugs in Saliva
8:00 a.m. - noon Workshop #2 - Current Application of Thin-Layer Chromatography in Forensic Toxicology
8:00 a.m. - noon Workshop #7 - Rohypnol Detection
1:30 p.m. - 5:30 p.m. Workshop #3 - Analytical and Interpretive Challenges with Amphetamine Analogs
1:30 p.m. - 5:30 p.m. Workshop #4 - Practical Aspects of CI/MS for Drugs of Abuse
1:30 p.m. - 5:30 p.m. Workshop #5 - Case Histories in Forensic Pathology and Toxicology
6:00 p.m. - 8:00 p.m. Welcoming Reception

Tuesday: October 6, 1998

9:00 a.m. - 1 p.m. Registration open
8:00 a.m. - 5:30 p.m. Santa Fe - Medical Tradition in the Four Cultures

Wednesday: October 7, 1998

8:00 a.m. - 6:00 p.m. Registration open
8:30 a.m. - 5:30 p.m. Scientific Sessions
11:30 a.m. - 1:00 p.m. Lunch
noon - 4:30 p.m. Exhibits open
6:30 p.m. - 8:30 p.m. Exhibits re-open
6:30 p.m. - 8:30 p.m. Presidents' Reception and Buffet Dinner
8:30 p.m. - 10:30 p.m. Elmer Gordon Open Forum

Thursday October 8, 1998

7:00 a.m. - 8:00 a.m. A.B.F.T. Annual Breakfast
8:00 a.m. - 6:00 a.m. Registration open
8:00 a.m. - 5:30 p.m. Scientific Sessions
8:30 a.m. - 5:00 p.m. Exhibits Open
noon - 1:00 Lunch
5:00 p.m. - 9:00 p.m. Exhibits break down

Friday, October 9, 1998

8:00 a.m. - noon Registration open
8:00 a.m. - 12:15 Scientific Sessions
12:15 p.m. - 2:00 p.m. Lunch
2:00 p.m. - 4:00 p.m. SOFT Business Meeting
4:00 p.m. - 6:00 p.m. TIAFT Business Meeting
6:00 p.m. - 8:00 p.m. Farewell Banquet

Saturday, October 10, 1998

Post Congress Tours: Taos Pueblo; Shite Sands and Carlsbad Caverns

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**FOR MEETING INFORMATION,
INCLUDING POSSIBLE
ACCOMMODATIONS,
CONTACT THE SOFT WEB SITE**

WWW.SOFT-TOX.ORG

Nominating Committee Offers '99 Slate

The following terms of office will end December 31st 1998: President, Joseph Saady, Vice President, Marilyn Huestis, Treasurer, Robert Zettl, and Directors, Laurel Farrell and Daniel Isenschmid. The SOFT President and Vice President each served one year terms, the Treasurer served a two year term and the SOFT Directors each served three-year terms. The Society of Forensic Toxicologists will continue to be represented by Michael Smith as Secretary and the following individuals on the Board of Directors: Bruce Goldberger, Amanda Jenkins and Thomas Simonick. The 1998 SOFT Nominating Committee composed of immediate past-president Vickie W. Watts (Chairman), H. Horton McCurdy, Ph.D., and William H. Anderson, Ph.D. present to the members of the Society of Forensic Toxicologists the following nominees for 1999 SOFT officers and directors.

PRESIDENT: Marilyn Huestis, Ph.D. Dr. Marilyn A. Huestis received a bachelors degree in biochemistry from Mount Holyoke, a masters degree in clinical chemistry from the University of New Mexico, and a doctoral degree in toxicology from the University of Maryland in Baltimore. Dr. Huestis has been working in the fields of forensic and analytical toxicology, and clinical chemistry for more than twenty years, including the position of Chief Toxicologist of Nichols Institute's San Diego laboratory. Currently, Dr. Huestis is Acting Chief, Chemistry and Drug Metabolism Section Addiction Research Center, NIDA, studying the pharmacokinetics/pharmacodynamics of drugs of abuse. Dr. Huestis has had numerous papers published on the effects of marijuana. Dr. Huestis was awarded the AAFS Irving Sunshine Award for outstanding research in forensic toxicology in 1992. She currently serves as Vice-President of SOFT, is Chair of the Meeting Resource Committee, is the Secretary for the Toxicology section of the AAFS, is an active member and former Secretary of CAT, serves on the Therapeutic Drug Monitoring and Clinical Toxicology Committee of AACC and is a member of TIAFT.

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

TREASURER: Laurel J. Farrell Ms. Farrell received a BA degree in Chemistry from the University of Northern Colorado in 1979. She is the Supervising Chemist of the Toxicology Section of the Colorado Department of Health. SOFT activities include serving on the SOFT Board of Directors for three years, the Drugs and Driving Committee, Health and Safety Committee, 1996 Annual Meeting co-host, Editorial Review Committee for the Special Edition of JAT (1992, 1994), and moderator and assistant moderator at numerous SOFT meetings. Ms Farrell is an active member of several other professional organizations including AAFS, CAT, National Safety Council Committee on Alcohol and Other Drugs (Executive Board), TIAFT, SAFS, SWAT, and IACT. She is a College of American Pathologists FUDT Laboratory Inspector.

DIRECTOR: Graham Jones, Ph.D., DABFT (3 year term) Dr. Jones is currently Chief Toxicologist for the Alberta Office of the Chief Medical Examiner, based in Edmonton. He also has academic appointments at the Faculties of Medicine and Pharmacy of the University of Alberta. Dr. Jones originally qualified as a Pharmacist in the U.K. and later earned his Ph.D. degree in Pharmaceutical Chemistry (Drug Metabolism) from Chelsea College, University of London, U.K. He subsequently moved to Canada for a fellowship at the University of Alberta and in 1981 joined the Medical Examiner's Office in Edmonton to start a new laboratory. Dr. Jones has been active in analytical and forensic toxicology for over 20 years, including organizing the drug testing laboratories for both the 1978 Commonwealth Games and 1983 University Games. He is a member of ten professional organizations in Canada, the U.K. and the U.S.A. He has served as Chairman of the Toxicology Section of the Canadian Society of Forensic Science and Chairman of the Toxicology Section of the American Academy of Forensic Sciences. He has served and continues to serve on many committees for the CSFS, SOFT and the AAFS. Dr. Jones has been a member of the joint SOFT/AAFS Laboratory Guidelines Committee since its formation in 1988 and has been Chairman of this committee since 1993. He is a Diplomate of the American Board of Forensic Toxicology, has served on its Board of Directors since 1991 and is Chair of the Accreditation and Toxicology Specialist Committees.

DIRECTOR: Daniel Isenschmid, Ph.D., DABFT (re-elect for 1 year term) Dr. Isenschmid received a BS degree in Biology from Adelphi University and MS and Ph.D. degrees in pathology and forensic toxicology, respectively, from the University of Maryland at Baltimore. He is the Chief Toxicologist at the Office of the Wayne County Medical Examiner in Detroit, MI. His SOFT activities include assistant moderator (1990), Education Research Award Committee (1994-present), 1995 Meeting Committee, and the 1996 Meeting Workshop Committee. He received the Irving Sunshine Award from the AAFS and is the 1998 Chairman of the Toxicology Section for the AAFS. ☺

TREASURY NOTES

Submitted by **J. Robert Zettl, SOFT Treasurer, 1500 East Mineral Place, Littleton, CO 80122-2911**
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Dues for SOFT are \$50.00 (U.S.) annually, due at the end of December of each calendar year. A late fee of \$5.00 is added after January 1st for anyone who is unpaid. A dues notice will be mailed by the SOFT Administrative Office in the fall. Avoid the rush and late fee - send your dues to the SOFT Administrative Office in Mesa, Arizona, prior to the end of 1998.

PLEASE NOTE: For those members who have their company, public agency or other provider pay for them, please have the check marked with your name or names to avoid confusion. Though we try to know each of you personally, a note along with the check will assist the SOFT office manager in crediting your account. ♪

1998 ERA RECIPIENTS ANNOUNCED

The Educational Research Award is designed to recognize students pursuing advanced degrees (Ph.D. and M.S.) with research in an area relevant to forensic toxicology. The deadline to apply for this honor and financial award is May 1st annually.

The 1998 ERA committee, chaired by Dr. Barbara Manno, announces the following 1998 ERA awardees:

Brad Hall, University of Texas at Austin. Sponsor: Dr. Jennifer Brodbelt
Title: *Determinaiton of Cannabinoids in Water and Human Saliva by Solid-Phase Microextraction and Quadrapole Ion Trap Gas Chromatography-Mass Spectrometry*

Rebecca Jufer, University of Maryland. Sponsor: Dr. Edward Cone
Title: *Urinary Detection Times Following Chronic Oral Cocaine Administration*

Tessa Long, East Tennessee State University. Sponsor: Dr. Kenneth Ferslew
Title: *In vitro Assessment of the Toxicity of Cocaine and Its Metabolites in the Human Umbilical Artery*

Jeri D. Roper-Miller, University of Florida. Sponsor: Dr. Bruce Goldberger
Title: *Oral Creatine Supplementation and Its Effect on Urinary Creatinine Concentrations*

Congratulations to all! Look for these awardees at the Albuquerque meeting and offer your personal congratulations and encouragement. ♪

ABFT NEWS

An ABFT Newsletter is being prepared. Materials for consideration should be sent to: ABFT Secretary Richard Shaw, 5270 Joan Court, San Diego, CA 92115.

The Annual ABFT Breakfast will once again be held during the SOFT Annual Meeting from 7 to 8 a.m. on Thursday, Oct. 8th. The latest registration forms include this event. New certificants and those certificants who have successfully requalified will be presented certificates at this event. Only persons currently certified by ABFT may attend. For further information contact ABFT President Yale Caplan (e-mail: ForTox@aol.com; phone: 410-486-7486; fax: 410-653-4824).

Two additional ABFT Diplomates successfully requalified in 1998: Drs. Leo DalCortivo and Fredric Rieders. They will be among the 13 Diplomates presented with new certificates at the ABFT Annual Breakfast.

The ABFT Laboratory Accreditation Program: To receive specific laboratory accreditation information, please contact the ABFT Administrative Office.

Forensic toxicologists with a doctorate or masters degree who are interested in certification by the American Board of Forensic Toxicology should contact: ABFT Administrative Office, P.O. Box 669, Colorado Springs, CO 80901-0669 Telephone: 719-636-1100 ♪

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

October 8, 1997

The Annual Business meeting of the Society of Forensic Toxicologists, Inc. was held on October 8, 1997 at the Cliff House Lodge, Salt Lake City, Utah. President Vickie Watts called the meeting to order at 1:30 p.m. and requested that the Secretary establish a quorum. President Watts advised attendees to sign in and reminded those in attendance that only full members may vote. Upon a motion duly made, seconded and passed, the agenda was approved. By motion duly made, seconded and passed, the minutes of the annual business meeting of the Society of Forensic Toxicology of October 16, 1996 as published in ToxTalk were approved by acclamation.

President's Report: *Vickie Watts, MS*

President Watts thanked and recognized the exceptional efforts of the officers and Board of Directors of S.O.F.T. for their assistance, patience, and their guidance during her term of presidency. She also expressed her appreciation to all the S.O.F.T. standing committees and their chairs for their diligent work and excellent contributions. President Watts thanked Bill Anderson and Duane Fuller for their efforts on developing the S.O.F.T. Policy and Procedures manual, and Bruce Goldberger for all of his work in creating the S.O.F.T. website. We receive numerous inquiries each week and now have a wonderful presence on the Internet. President Watts also recognized Al Poklis for editing the excellent S.O.F.T. Special Issue of JAT. She also praised the work of this year's annual meeting hosts including Denny Crouch, Dave Moody, Diana Wilkins, Dave Andrenyak, Rodger Foltz and Doug Rollins. She indicated that the membership especially appreciated all of the excellent workshops which provided an outstanding opportunity for continuing education. President Watts expressed her thanks to the membership for allowing her to represent S.O.F.T. this past year and entrusting her with the well-being of the organization. She indicated that this was a wonderful year and that she enjoyed the experience.

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

The Vice President's responsibilities include chairing the Meeting Resource Committee as well as facilitating the activities and reports of all S.O.F.T. Committees. Therefore, the Vice President's report will be combined with the Reports of the Committees.

Secretary's Report: *Marilyn Huestis, Ph.D.*

Secretary Huestis reported that the minutes of the February, 1997 Board of Directors meeting were prepared and distributed to the Board and have been approved at this Board of Directors' Meeting. The Secretary has the pleasure of interacting closely with S.O.F.T. members while serving as chair of the membership committee. Secretary Huestis thanked the members of the committee Deb Rector, Amanda Jenkins, and Neil Fortner for all of their contributions this past year. They have maintained S.O.F.T.'s high standards and rapidly processed membership inquiries. Secretary Huestis also stated that the S.O.F.T. Administrative Assistant, Ms. Bonnie Fulmer, had performed in an exemplary manner during the past year and that it was a pleasure to work with her. For the second consecutive year, S.O.F.T. has recognized individuals attending their first annual meeting and new members with special ribbons. Secretary Huestis asked all attendees to make a special effort to welcome these attendees and new members so that they can experience first hand the unique S.O.F.T. hospitality.

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

Treasurer Zettl reported that S.O.F.T. is in good stead thanks to the leadership of Joe Saady and other past treasurers. He has presented to the Board of Directors a line by line itemized accounting and overview of our finances. The ERA account had a balance of \$64,916.59 on 10/8/97. The \$25,000 emergency fund is in the form of a one year Treasury Note and \$75,500 is in a money market certificate of deposit. Approximately \$17,000 is in the checking account for operating expenses. Treasurer Zettl was directed by the Board of Directors to obtain credit card billing capability for S.O.F.T. dues and annual meeting registration fees. No additional charges will be imposed on members who choose to utilize the credit card billing service. The IRS finalized the 1994 audit of S.O.F.T.'s finances and no additional taxes were due by S.O.F.T. or by Patricia Monforte, former S.O.F.T. Executive Director. Members were reminded that S.O.F.T. annual fees are due on January 1; a members status is changed to inactive if payment is not received by June 1. The Treasurer thanked Laurel Farrell for her help with the financial reports.

Reports of the Committees: *Joseph Saady, Ph.D.*

Vice President Saady announced that in the interest of time and efficiency he would read the reports for Committee Chairs who are unable to be present. Although these reports will be received, motions and actions on matters that require action through the bylaws will be approved later in the agenda.

By-Laws Report: *Kurt Dubowski, Ph.D.*

The principle assignment of the By-Laws committee is to provide the Board of Directors with a current electronic version of the S.O.F.T. By-Laws including recent amendments. Dr. Dubowski will provide this document to the 1998 S.O.F.T. President as soon as possible.

Budget, Finance and Audit Committee: *James Valentour, Ph.D.*

Dr. Valentour indicated that an audit of S.O.F.T.'s records was performed with Treasurer Bob Zettl and all was found to be in order.

Membership: *Marilyn Huestis, Ph.D.*

Secretary Huestis announced that the Membership Committee has accepted 60 new members (50 Full members, and 10 Associate members) into the organization since the last annual meeting. The names of new members were read aloud and they were asked to stand and be congratulated by the membership. First time attendees were similarly welcomed. Members who had not paid their 1997 dues were changed to an inactive status. Twenty-one members had their status changed to inactive because of non-payment of dues. As of 30 September 1997, S.O.F.T. had 544 active members including 25 Charter, 409 Full, 81 Associate, 19 Retired, and 10 Student members. Secretary Huestis asked that we recognize with a moment of silence and with our gratitude and respect, those S.O.F.T. friends and colleagues that we have lost this past year. She also thanked the membership for allowing her to serve as Secretary for the past two years. She really enjoyed the opportunity to get acquainted with so many of you.

Nominating Committee: *H. Chip Walls, B.S.*

Members of the 1997 nominating committee include: Jeanie Beno, Barry Logan and Chip Walls, Chair. Mr. Walls announced that the report of the Nominating Committee had been published in the September issue of ToxTalk. The 1998 slate of officers and board members includes Joseph J. Saady, Ph.D. for President, Marilyn A. Huestis, Ph.D. for Vice-President, Michael L. Smith, Ph.D. for Secretary, and Bruce Goldberger, Ph.D. for the Board of Directors. The terms of office for the S.O.F.T. President and Vice President are for one year. The Secretary and Treasurer serve for 2 years and are elected in alternate years. Each S.O.F.T. director serves for 3 consecutive years.

ToxTalk: *Joseph Monforte, Ph.D.*

Dr. Monforte reported that ToxTalk remains the main vehicle of the Society for disseminating information to the membership and to emphasize scientific articles and case reports. Dr. Monforte thanked his editorial staff and his publishers for all their hard work and efforts this past year to prepare and distribute the quarterly newsletter of the Society of Forensic Toxicologists. The new ToxTalk address is Dr. Joseph Monforte, ToxTalk Editor, Tonto Hills, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821. Dr. Monforte thanked the members of the editorial staff, Chip Walls, "The Journal Club", Jim Wigmore, "Blutalkoholkonzentration", and Dan Isenschmid for "Case Notes" and publisher Pat Mohn-Monforte for their excellent contributions. "Drugs in the News" will now be coordinated by Vince Papa and Laureen Marinetti-Sheff. Expenses have been contained by seeking cost-effective services and establishing efficient systems.

Vice President Saady acknowledged and thanked Dr. Monforte for the excellent job he's doing with ToxTalk.

Publications: *Alphonse Poklis, Ph.D.*

Dr. Poklis was unable to be present at the meeting but submitted a written report. The S.O.F.T./Journal of Analytical Toxicology Committee consisted of himself as Editor, and 54 S.O.F.T. members as manuscript reviewers. He reported that 20 of the 30 submitted papers were included in the 1997 Special Edition of JAT. Authors of rejected manuscripts were urged to consider the reviewers comments, and resubmit the manuscript directly to the Journal for possible acceptance in a future issue. He thanked all S.O.F.T. members who submitted articles and served as manuscript reviewers for their thoughtful consideration of each article and timely response to required deadlines. Dr. Poklis thanked Tinsley Preston and Julie Weber-Roark of Preston Publications for their help in making the special issue possible. He also thanked President Vickie Watts for affording him the opportunity to service the Society as Editor of the special issue.

Vice President Saady called for a show of appreciation to Dr. Poklis for taking the challenge and helping to produce the Special S.O.F.T. issue of JAT. Dr. Poklis was presented in absentia with a plaque by Preston Publications for his efforts as Guest Editor of the 1997 Special Edition of JAT.

Educational Research Award: *David Moody, Ph.D.*

Members of the 1997 Educational Research Award Committee are Daniel Isenschmid, Barbara Manno and David Moody, Chair. The mission of the committee is to review all applications for the S.O.F.T. educational ERA, determine the responsibilities of the submitted proposal, and the monetary value to be awarded. Rebecca Jufer was selected as the recipient of the 1997 ERA award and recognized for her accomplishments. The ERA award has been modified to provide funding to an individual to present his/her research findings to the membership at the S.O.F.T. annual meeting. The application deadline has been changed to May 1 and requires submission of an abstract to the upcoming annual meeting. Awards will be announced after acceptance of abstracts by the meeting's scientific program committee, approximately July 1.

Meeting Resource Committee: *Joseph Saady, Ph.D.*

Denny Crouch, Dave Moody, Diana Wilkins, Rodger Foltz, Dave Andrenyak and Doug Rollins, hosts of the 1997 Annual meeting in Salt Lake City, Utah, announced that registration for the meeting at Snowbird included 358 meet registrants and 47 exhibitor registrants. These individuals represent 38 states and 10 countries around the world. The meet schedule included 7 excellent workshops with a total registration of 619 people. Once again, Lisa O'Dell did an excellent job of coordinating recruitment of sponsors and exhibitors. Over \$57,825 was generated from this source of revenue. Room reservations far exceeded the committee's expectations. The hosts expressed their appreciation for the help of the University of Utah's meeting planners who ensured that this year's meeting was a success. Vice President Saady and the membership thanked this year's hosts for doing an outstanding job both scientifically and socially with the 1997 meeting. The membership heartily concurred with the excellence of the meeting.

Drs. Rao and Backer for S.O.F.T., and Dr. Vina Spiehler for TIAFT will host the 1998 Annual meeting in Albuquerque, NM. The meeting will be held from October 5th through the 9th during the International Balloon Fiesta. This will be a joint meeting with The International Association of Forensic Toxicologists. The meeting will be held at the Albuquerque Hilton hotel and transportation to and from the Albuquerque airport will be free of charge. A very special session on Native American medicine entitled "The Scalpel and the Silver Bear" will be one of the highlights of the program. Early registration is very important due to the limited number of available hotel rooms during the highly popular Balloon Fiesta. It will be possible to register, submit abstracts, and obtain all meeting information from the Internet for this exciting and interesting meeting.

The 1999 S.O.F.T. Annual meeting will be hosted by Flor Mattos and colleagues throughout Puerto Rico at the Caribe Hilton Resort. Our toxicology colleagues from Central and South America and from the Caribbean will also be invited to attend. Vice-President Saady thanked the Puerto Rican team for offering to host the meeting in this beautiful location.

Dr. Steve Wong, leader of a large group of S.O.F.T. members in the region, has offered to host the 2000 S.O.F.T. annual meeting in Milwaukee, Wisconsin. The Department of Pathology at the Medical College of Wisconsin and the Milwaukee County Medical Examiner's office will serve as official sponsors.

Forensic Toxicology Guidelines: *Graham Jones, Ph.D.*

Dr. Jones stated that the Committee members for 1997 are Horton McCurdy, Lee Hearn, Rod McCutcheon and Graham Jones, Chair. The Guidelines and the appendix originally published in 1991 were integrated and updated into a single document. The revised Guidelines were published in a recent issue of ToxTalk.

Drugs and Driving: *H. Chip Walls, B.S.*

Mr. Walls reported that the benzodiazepine monograph will be available by Christmas of 1997. Updating of the marijuana and cocaine monographs and search routines for the Drugs and Driving bibliography are being pursued.

Joint Committee on Education and Training in Toxicology (JCETT): *Amanda Jenkins, Ph.D.*

Dr. Ashraf Mozayani presented Dr. Jenkins' report. The current committee's officers are Amanda Jenkins, Chair, Ashraf Mozayani, Vice-Chair and Laurel Farrell, Secretary. Newly elected officers for 1998 are Ashraf Mozayani, Chair, Christine Moore, Vice-Chair and Tom Simonick, Secretary. S.O.F.T. representatives to the committee are Ashraf Mozayani, Chip Walls and Beth Marker. The Mid-Atlantic Association of Toxicologists was welcomed as a member of JCETT in 1997. A proposed website for JCETT will include information on the lending library, the visiting scientist program and current job openings. Two workshops on laboratory accreditation have been organized by JCETT to be presented at the upcoming CAT meeting in Las Vegas and the AAFS meeting in San Francisco.

Policy and Procedures: *William Anderson, Ph.D.*

Dr. Anderson has abstracted 10 years of Board of Director's meeting reports and annual meetings with the help of Dwayne Fuller. They have completed their review of the S.O.F.T. records and prepared a database of all S.O.F.T. policies and motions for action from previous years. All the forms that have been used in the past are available for review. A draft Policy and Procedures manual has been developed for the use by the Board of Directors.

S.O.F.T. Logo Redesign: *Bruce Goldberger, Ph.D.*

The logo has been redesigned to remove the biohazard label and enlarge the skull and crossbones symbol.

S.O.F.T. Website: *Bruce Goldberger, Ph.D.*

The S.O.F.T. website went live on April 2, 1997 and to date has more than 4000 hits from all over the world. Goldberger suggests that members sign the guest book when they log onto the website and to view the many interesting links to other toxicology sites. Dr. Goldberger was thanked for all his hard work and efforts over the past year.

Ad Hoc Copyrighting S.O.F.T. Materials: *Mark Lewis, BS*

Mr. Lewis was unable to attend the meeting and President Watts reported on the committee's efforts to investigate the copywriting of S.O.F.T. materials.

ABFT: *Yale Caplan, Ph.D.*

Dr. Caplan announced that the ABFT has certified one new diplomate, Dan Isenschmid, Ph.D. Newly certified Forensic Toxicology Specialists are: Elizabeth Spratt and Charles LoDico. The ABFT will make available examinations at both the S.O.F.T. and AAFS meetings for members seeking certification. An annual newsletter has been introduced describing the board activities. The ABFT thanks Patricia Monforte for her assistance.

Old Business:

A motion to accept the proposed new S.O.F.T. logo was moved, seconded and carried.

A motion to accept the revised Guidelines as the official S.O.F.T. Laboratory Guidelines was moved, seconded and carried.

Two ad hoc committees, the S.O.F.T. website and the S.O.F.T. policy and procedures committee were made permanent standing committees by vote of the membership.

Nominations from the Floor and Election:

Since no nominations were received from the floor, it was moved and seconded that all officers be elected as nominated. The motion carried. The newly elected 1998 S.O.F.T. officers and Directors:

President: Joseph Saady, Ph.D.
Vice-President: Marilyn Huestis, Ph.D.
Secretary: Michael Smith, Ph.D., for a two year term
Director: Bruce Goldberger, Ph.D. for a three year term

Awards and Recognition:

Mr. Tinsley Preston thanked the meeting hosts and Lisa O'Dell for all of the help provided to the exhibitors. Mr. Preston thanked President Watts and the membership thanked and acknowledged Mr. Tinsley Preston for the 17th Special Issue of S.O.F.T.

President Watts asked the S.O.F.T. Board of Directors to please stand and be recognized. Plaques of appreciation for their outstanding service to S.O.F.T. were presented to Joseph Saady, Ph.D., Vice-President 1997, Marilyn Huestis, Ph.D., Secretary, 1995-1997, and Michael Smith, Ph.D. S.O.F.T. Director from 1994-1997.

The membership acknowledged and thanked Dave Moody, Denny Crouch, Diana Wilkins, David Andrenyak, Rodger Foltz and Doug Rollins for their outstanding efforts in co-hosting the 1997 S.O.F.T. Annual Meeting. Lisa O'Dell was recognized for her continuing work with the exhibitors at the annual meeting. Her efforts have contributed substantially to the financial success of the organization. The meeting hosts acknowledged the work of the many individuals who helped make the annual meeting a success.

Vice-President Saady presented a commemorative plaque to President Vickie Watts on behalf of the membership in appreciation for her hard work and guidance during the past year as President of S.O.F.T.

The newly elected President, Dr. Joseph Saady, closed the meeting with some important remarks for the coming year. First, he emphasized the increasing credibility of the S.O.F.T. organization in the field of forensic toxicology and acknowledged that this was due to the individual reputations of its members. Second, he invited all interested members to increase their participation in S.O.F.T.'s affairs by volunteering to participate on a committee or during the annual meeting. President Saady announced the creation of a new ad hoc committee entitled "Vision 98" to look ahead at the future of toxicology. President Saady has selected Dr. Dan Isenschmid and Dr. Brad Hepler as Editors of the 1998 S.O.F.T. Special Issue of the Journal of Analytical Toxicology.

Adjournment: The meeting was adjourned at 3:00 p.m.

Submitted by Secretary Huestis on August 1, 1998 ✂

NEW MEXICO GUIDE AVAILABLE - FREE!
Call the New Mexico Dept of Tourism at 800-545-2040.
(Editor's note: Pat ordered one and says, "It's cool!")

METHAMPHETAMINE USE AND ABUSE – A HISTORY

Submitted by: Vincent M. Papa, Ph.D., Air Force Drug Testing Laboratory, Brooks AFB, Texas 78235

Recently, the use and abuse of methamphetamine has been in the news. In the U.S., NIDA has begun an extensive research effort. In the late 1980s, case reports of toxicity appeared with the appearance of smokable "ice", which is a pure form of (+) methamphetamine. Methamphetamine becomes ice when it crystallizes out of a saturated solution and, depending upon the type of solvent employed, the crystal size can vary from small to large. Ice was first produced in Japan in the early 1980s. From there, use of ice spread to Korea and then to Taiwan and the Philippines. Korean users used ice intravenously, while it was smoked in the Philippines. From there, ice spread to Hawaii, the West Coast and the Southwest.

Methamphetamine use was traditionally associated with blue-collar workers. From that group it has spread to more diverse groups. Newspapers in Texas and other Southwestern states have highlighted the methamphetamine trafficking that is occurring throughout the US – Mexican border. According to the 1996 and 1997 National Household Surveys on Drug Abuse, over 5 million people have tried methamphetamine once in their lives. Data from the 1996 Drug Abuse Warning Network showed a 71 percent increase in hospital emergency room visits from the first half to the second half of 1996. With increased availability and production being reported in many areas of the country, its use continues to be a problem.

Historically, amphetamine refers to a number of structurally related compounds (methamphetamine, fenfluramine, phentermine and synthetic amphetamines). During the 1930's, because of concerns that the supply of ephedrine might not be sufficient to meet the needs of asthma sufferers, synthetic means to supply ephedrine substitutes were attempted. Methamphetamine was first synthesized in Japan and later marketed in the US as Methedrine. Chemical names for methamphetamine include N-alpha-dimethylphenethylamine and desoxyephedrine. The melting point is 170-175 degrees centigrade. As a hydrochloride salt, it is used in the treatment of obesity in single oral doses of 2.5-15 mg. The L-isomer is only available in the US as a nasal decongestant. Methamphetamine is classified as a Schedule II (limited medical value with high addictive potential) for short-term obesity, attention deficit disorder and hyperactivity syndrome). D-methamphetamine is available by prescription as an injectable solution, tablets of 2.5-5 mg, and prolonged release tablets of 5-15 mg. There are a number of legally prescribed drugs that undergo metabolic processes to produce methamphetamine (i.e. benzphetamine and famprofazone). These drugs are usually prescribed for the treatment of Parkinsonism, depression and anorexia.

A number of researchers have investigated the pharmacokinetic properties of methamphetamine. Cook et.al. have demonstrated a plasma elimination half-life of 10 hours for 24 subjects (1). Driscoll showed that a 12.5 mg dose given to 10 subjects resulted in an average peak blood level of 0.020 mg/L at 2.5 hours and 0.010 mg/L by 24 hours (2). Methamphetamine undergoes N demethylation to amphetamine, its major active metabolite. Up to 43% of a dose is eliminated unchanged in 24-hours, with 4-7% as amphetamine. Beckett and Roland found that in urine at pH < 6, up to 76% is found as unchanged drug and 7% as amphetamine in 24 hours. In urine at pH >8, the corresponding values are 2% and less than 0.1% (3). Methamphetamine urine concentrations of 0.5-4.0 mg/L are commonly observed after ingestion of 10 mg. Methamphetamine is principally metabolized into amphetamine and then to norephedrine. Both of these metabolites can be deaminated, p-hydroxylated and finally conjugated. Shimamoto demonstrated that the concentrations of total p-hydroxymethamphetamine and p-hydroxyamphetamine in the urine of a group of abusers was < 10 mg/L and < 0.5 mg/L, respectively (4).

Methamphetamine can be synthesized by three pathways. One of the precursor compounds is di (L-phenylisopropyl) formamide. Side reactions and incomplete reactions lead to a variety of impurities. Analysis of street samples revealed that methamphetamine can be present in as little as 60 % purity. Other synthetic pathways involve the use red phosphorus and ephedrine. The DEA has scheduled a number of methamphetamine precursors, including ephedrine.

Overdose of methamphetamine can cause restlessness, confusion, anxiety, hallucinations, cardiac arrhythmia, hypertension, hypothermia, circulatory collapse, convulsions and coma. In humans, death has been reported with as little as 1.5 mg methamphetamine per kilogram body weight. In chronic abuse, paranoid psychosis can occur. In contrast, survival has occurred after ingestion of 28 mg amphetamine per kilogram. In individuals who are addicted to methamphetamine and amphetamine, up to 1-5 g per day can be injected. Methamphetamine is commonly smoked, injected intravenously, or snorted. When smoked or injected intravenously, methamphetamine produces an intense, extremely pleasurable rush, almost immediately followed by euphoria. When snorted or orally ingested, methamphetamine produces no intense rush and takes longer to produce a high. A methamphetamine high lasts from 8 to 24 hours. Fifty percent of the drug is removed from the body every 12 hours. The immediate effects of methamphetamine can include irritability, anxiety; increased body temperature, heart rate, and blood pressure. Methamphetamine's short-term effects can include increased activity, respiration, wakefulness, and decreased appetite. Effects of chronic abuse of methamphetamine can include dependence and stroke. Chronic abuse of methamphetamine can lead to psychotic behavior characterized by paranoia, hallucinations, mood disturbances, and violence.

Forensic tests of biological specimens include commercial immunoassays (IA) such as the On-line assay that is relatively specific for D-methamphetamine (98%), DL-methamphetamine (47%), L-methamphetamine (6%), DL-amphetamine (62%), and L-amphetamine (5%), but less specific for amphetamine analogues (MDA (35%), MDMA (30 %)). Some laboratories have employed a fluorescence polarization assay (FPIA) to minimize the number of presumptive positives caused by over-the-counter preparations such as phenylpropanolamine, ephedrine, etc., by as much as 50-60%

(5,6). Gas chromatographic (GC) and gas chromatographic mass spectrometric (GCMS) assays are applicable for the simultaneous assay of methamphetamine and amphetamine. Care must be taken to avoid use of the carbethoxyhexafluorobutyl derivative with elevated injection port temperatures that may yield false positives when unusually high concentrations of ephedrine or pseudoephedrine are present (7,8).

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The opinions expressed herein are strictly those of the author and are not to be construed as reflecting the Views, policies, or positions of the Department of the Air Force or the Department of Defense. &

NO ROOM AT THE (original) INNs

The 1998 SOFT/TIAFT meeting hotels listed in the last issue of ToxTalk are completely booked. The hosts have identified alternate housing as of the date of this printing, but rooms are going fast!!! Call the hotels noted in the meeting insert NOW. If these are no longer available, check out the SOFT Web site.

Do not delay or you may be forced to find a stable.

SOFT MEMBERS ENCOURAGED TO ATTEND THE ANNUAL BUSINESS MEETING

The 1998 Annual Business Meeting of the Society of Forensic Toxicologists is scheduled for

**Friday - October 9th
2:00 p.m. to 4:00 p.m.**

All members attending the SOFT/TIAFT meeting should make a serious effort to attend. All members are encouraged to actively participate and help shape the future of the Society. Don't forget to sign in. Remember, only FULL members, including Charter members, may vote.

Technical Notes: BLUTALKOHOLKONZENTRATION No. 22

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

Survival After Drinking Ten Times the Lethal Dose of Acetone. G. Zettinig, N. Watzinger, B. Ever, G. Henning, and W. Klein. *Dtsch. Med. Wschr.*, 122:1489-1492, 1997.

German title: *Überlebte Vergiftung nach Einnahme der zehnfachen Letaldosis von Aceton*

A case report of a 42-year-old male who consumed approximately 800 mL of an acetone-containing solvent within a few minutes in a suicide attempt. The deeply unconscious patient upon admission to hospital was intubated and ventilated. He was also given several gastric lavages and instilled with activated charcoal as well as 400 mval of bicarbonate. Controlled hyperventilation, forced diuresis, as well as hemodialysis were conducted for 16 hours to increase the elimination of acetone.

His serum acetone concentration upon admission was 0.200 g/100 mL and urine acetone concentration was 0.230 g/100 mL. The elimination half-life of acetone in this case was 11 hours. His blood glucose concentration was elevated at 163 mg/dL, which the authors attribute to stress-related hyperglycemia. All other blood chemistry results were within the normal ranges. The patient recovered uneventfully.

The authors conclude that as the lethal dose of acetone in the literature is cited as 75 mL, this patient survived after consuming over 10X the lethal dose as a result of the intensive medical treatment. ☒

CALL FOR CASE NOTES

Your case note should be about 1/2 page in length, no more than a full page. Material on a disk (preferably using Microsoft Works/Word 4.0) may be mailed or faxed to:

Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821.
Or fax: 602-595-MONF (6663). The e-mail address is : monforte@juno.com

Other items of interest to SOFT members are also welcome.

Next deadline: **NOVEMBER 1, 1998**

“DRUGS IN THE NEWS”

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

Suspected Urine Adulteration

On August 7, 1998, the **Arizona Republic** reported that Olympic Gold Medal (3 in the 1996 Olympics) winner Michelle Smith was banned from competition for four years after FINA officials ruled that she had tampered with a urine specimen prior to submission of the specimen for drug testing. An appeal to the International Court of Arbitration in Sport is expected.

Two urine specimens from an out-of-competition test in January 1998 contained “a lethal concentration of whiskey,” which is construed as an attempt to mask the presence of banned drugs. Although drugs were not detected in either specimen, FINA considers tampering with a urine specimen as serious as taking steroids or other banned drugs.

The mechanism for introducing the adulterant into the specimen is unclear. FINA stated it found that the manipulation was not carried out in the laboratory, during the transport, or by the collectors of the sample. The collection was observed, although the observer stated that the swimmer “wore a baggy sweater that came down to her knees,” and she (the observer) couldn't see her (the swimmer) produce the urine.

Editors Note: Hmmm. ☒

Send your material for “Drugs in the News” to ToxTalk

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ELMER GORDON OPEN FORUM

AN OPPORTUNITY FOR INFORMAL DIALOGUE

MAKE A COPY OF THIS PAGE and take it to your "Significant Other"

SO-SOFT: Considering bringing your SO (Significant Other) to Albuquerque? Some SOFT members have brought their spouses or other guests to SOFT Annual Meetings, and many of these SO's have developed rewarding relationships among each other as they banded together to enjoy themselves while you were attending meetings. If your SO-SOFT will be attending the Albuquerque meeting and would like to hang out with the group, have her/him contact Pat Monforte via monforte@juno.com. Pat is the self-appointed matriarch of SO-SOFT by virtue of seniority (Albuquerque will be her 20th consecutive SOFT meeting). *[Repeated from last issues.]*

Congratulations to Dr. Edward Cone who is retiring from the addicton Research Center after 26 years of service. Dr. Cone plans to stay active in the field. You may extend your congratulatory wishes to Ed via his e-mail: econe@erols.com ☺

CAREER OPPORTUNITIES

Positions available are listed for the consideration of SOFT members. There is no fee for this service. The information will be repeated in the next issue only if the information is confirmed by the person who submitted it. If you have a job position available, FAX (602-595-6663) or E-MAIL (monforte@juno.com) to ToxTalk or mail to: Dr. Joseph Monforte, ToxTalk Editor, 42408 N. Sombrero Rd., Cave Creek, AZ 85331-2821.

Forensic Toxicologist for challenging federal government position with Drug Testing section, Div of Workplace Programs, SAMHSA, Rockville, MD. This is advance notice of GS-14 Chemist position opening in Sept.-Oct; ISO-qualified individual for these primary responsibilities: 1) to provide technical assistance and consultation with the Dept of Transportation and representatives from Canada and Mexico on the workplace drug testing programs under NAFTA, and 2) to develop and evaluate program policies, technical proposals, and administrative guidelines/certification program for using alternative drug testing methodologies (on-site testing) and alternative specimens (e.g., hair, saliva, sweat) for workplace drug testing programs. Salary range: \$66,138 to \$85,978 depending on experience. For further information, contact Dr. Donna Bush at 301-443-6014 or e-mail dbush@samhsa.gov

Administrative Supervisor for Indiana Univ. Athletic Drug Testing and Toxicology Lab, one of two International Olympic Committee-accredited facilities in U.S., specialty analysis for performance enhancing substances and forensic drug testing on about 18K specimens/yr. Duties include personnel and resource management, direction of quality control programs and client interaction. Must have B.S. or M.T.(ASCP), 5 yrs HPLC, GC, and GC/MS experience, and 3 yrs management experience. Prefer candidates with drug testing lab experience and MS or MBA. Send resume to: Larry D. Bowers, Ph.D., Athletic Drug Testing and Toxicology Laboratory, Indiana University, Medical Science Bldg A-128, 635 Barnhill Dr, Indianapolis, IN 46202-5120

Assistant Professor to begin August, 1999 in Chemistry Dept of West Chester University of Pennsylvania. Two positions, tenure-track: 1) in forensic chemistry; 2) in clinical chemistry. For complete description contact John Fenton at 610-436-2968 or Web site: www.wcupa.edu/_academic/sch_cas.che/ ☺

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

PROFESSIONAL CALENDAR

SOFT MEETING: **October 5-9, 1998, SOFT/TIAFT, Albuquerque, New Mexico.** Co-Hosts: SOFT - Drs. NGS Rao and Ronald Backer, TIAFT - Dr. Vina Speihler. For information contact Dr. NGS Rao, 505-841-2562, FAX: 505-841-2543, e-mail: NRAU@STATE.NM.US. **FUTURE SOFT MEETINGS:** 1999: San Juan, Puerto Rico
2000: Milwaukee, WI
2001: New Orleans, LA

American Academy of Forensic Sciences (AAFS) annual meeting: February 15-20, 1999, Orlando, FL; February 21-26, 2000, Reno, NV. Contact Brenda Papke, 719-636-1100. ☺

8/21/98



Land of Enchantment

SOFT-TIAFT 1998



Albuquerque Hilton, October 5 - 9, 1998
Albuquerque, New Mexico, USA





SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



PROGRAM UPDATE - JANUARY 1998

SATURDAY, 3 OCTOBER 1998

Pre-Conference Tours: Acoma Pueblo: City Tour/Indian Cultural Center: Sandia Peak Tram Ride and Mountain Trails: Jemez Springs Mountain Area: Bandelier National Monument.
CAP Inspector's Workshop

SUNDAY, 4 OCTOBER 1998

Pre-Conference Tours: Balloon Festival Mass Ascension at Dawn; Albuquerque City Tour (morning)
Workshops **TIME: 1:30 P.M. TO 5:30 P.M.**
Workshop # S1 Expert Witness Testimony: Aspects from Other Nations, M. Corbett, Ph.D.
Workshop # S2 Is Hair Analysis Racially Biased, D. Kidwell, Ph.D.
SAMHSA NLCP Inspector's Workshop, Sunday Evening

MONDAY, 5 OCTOBER 1998

Time: Workshops 1, 2 & 7 - 8:00 A.M. to 12:00 Noon
Workshop # 1 Pharmacology and Analytical Toxicology of Drugs in Saliva
Workshop # 2 Current Applications of Thin Layer Chromatography in Forensic Toxicology
Workshop # 7 Rohypnol Detection, S. Salamone, Ph.D.
Time: Workshops 3, 4 & 5 - 1:30 P.M. to 5:30 P.M.
Workshop # 3 Analytical and Interpretive Challenges with Amphetamine Analogs
Workshop # 4 Practical Aspects of CI/MS for Drugs of Abuse Analysis
Workshop # 5 Case Histories In Forensic Pathology.
Welcoming Reception

TUESDAY, 6 OCTOBER 1998

Workshop # 6 Medical Traditions in the Four Cultures: "Herbs of the Curanderos" at Rancho de las Golondrinas and "The Scalpel and the Silver Bear" in Santa Fe.
Free afternoon in Santa Fe

WEDNESDAY, 7 OCTOBER 1998

Plenary Session
Scientific Sessions, Oral and Poster
Exhibits Open
Presidents Reception and Buffet Dinner
Elmer Gordon Forum

THURSDAY, 8 OCTOBER 1998

Scientific Sessions, Oral and Poster
Exhibits Open

FRIDAY, 9 OCTOBER 1998

Scientific Sessions, Oral and Poster
SOFT Business Meeting
TIAFT Business Meeting
Farewell Banquet

SATURDAY, 10 OCTOBER 1998

Post Congress Tours: Taos Pueblo; White Sands and Carlsbad Caverns



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



Registration Information

There are two types of registrations: the **Sandia Registration** and the **Mesa Registration**. The Mesa Registration is a basic fee in keeping with traditional SOFT meetings. The Sandia 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 # 6 and the Accompanying Person Registration. Everyone has the choice to choose either registration regardless of membership. Attendees using the Mesa Registration may purchase the accompanying persons registration package on the Sandia Registration form or any individual tickets as desired.

Mesa Registration

The basic meeting registration includes admission to all scientific sessions, copy of Abstracts book, the Welcoming Reception, the Presidents Reception and buffet dinner, Thursday Luncheon and all coffee breaks.

Sandia Registration

The basic meeting registration includes admission to all scientific sessions, copy of the Abstracts book, the Welcoming Reception, the Presidents Reception and buffet dinner, the Wednesday, Thursday and Friday Luncheons, the Farewell Banquet, Workshop # 6, the published Congress Proceedings and all coffee breaks.

Accompanying Persons Registration

This registration includes the Welcoming Reception, the Presidents Reception and buffet dinner, the Banquet and Workshop # 6 (trip to Santa Fe).

Workshop # 6

This workshop, "Medical Traditions in the Four Cultures" includes round-trip transportation, morning lectures on Herbs and Plants of the Curenderos at Rancho de las Golondrinas and on combining Western and Traditional Navajo medicine in Santa Fe, continental breakfast and lunch. The afternoon will be free to walk, shop or visit museums in Santa Fe.

Payment Deadlines

A late fee of \$50 will be charged on all registration received after August 1, 1998. No mail registrations accepted after September 7, 1998. Payment by credit cards or business checks drawn on a USA bank, International Bank Check or Money Order. All funds must be paid in US dollars. Make payable to SOFT/TIAFT 98. Cancellation of Registration: 70% refund if canceled prior to July 10, 1998; 50% refund if canceled prior to Sept. 7 1998; No refund if canceled after Sept. 7, 1998.

Hotel Reservations and Air

Reservations for rooms should be made directly with the hotel. Because the meeting is being held during the week of Balloon Festival attendees are advised to reserve rooms and flights as early as possible. After July 1 no accommodations can be assured. Early departure fees possible. Contact Albuquerque Hilton, (800) 274-6835, (505) 884-2500 or toll-free in North America 1-800-HILTONS (1-800-445-8667), fax (505) 889-9118. For conference rates specify SOFT. American Airlines is offering attendees a 5% discount on domestic fares. Call 1-800-433-1790 and refer to TIAFT ABQ group name and "AN NUMBER" 5708UA.

Tour Reservations

Requests for Pre- and Post Conference Tours will be forwarded to the local tour companies. The Conference organizers take no responsibility for pre- or post-conference tours. Tour companies pick up at the Albuquerque Hilton Hotel.



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico. USA
Mesa Registration



NAME _____ Degree _____
Last First
 Title/Agency _____
 Address _____
 Telephone _____ Fax _____
 Guest(s) _____ E-mail _____
 Member: SOFT _____ TIAFT _____ Both _____ Non-Member _____

	SOFT/TIAFT MEMBER	NON- MEMBER	TOTAL ENCLOSED
Basic Meeting Registration includes admission to all scientific sessions, Abstracts book, the Welcoming Reception, the Presidents Reception and buffet dinner, Thursday Luncheon and all coffee breaks.	\$125	\$175	\$ _____
Workshop # 1 Pharmacology and Anal. Tox. of Drugs in Saliva	\$40	\$75	\$ _____
Workshop # 2 Current Applications of TLC in Forensic Toxicology	\$40	\$75	\$ _____
Workshop # 3 Analytical Challenges with Amphetamine Analogs	\$40	\$75	\$ _____
Workshop # 4 Practical Aspects of CI-MS for Drugs	\$40	\$75	\$ _____
Workshop # 5 Case Histories In Forensic Pathology	\$40	\$75	\$ _____
Workshop # 6 Traditional Medicine in the Four Cultures	\$75 per person x _____ people		\$ _____
Workshop # 7 Rohypnol Detection	\$40	\$75	\$ _____
Workshop #S1 Expert Witness Testimony: Aspects from Other Nations	\$40	\$75	\$ _____
Workshop #S2 Is Hair Analysis Racially Biased	\$40	\$75	\$ _____
Full-Time Student or Daily Registrant Permits attendance at scientific sessions only Wed, Thurs. or Friday. Fee is per each day.	\$30	\$50	\$ _____
Published Congress Proceedings	\$30	\$40	\$ _____
Extra Tickets: Welcoming Reception	\$25	# of tickets	\$ _____
Presidents Reception/ Dinner (Wed.)	\$25	# of tickets	\$ _____
Farewell Banquet (Fri.)	\$40	# of tickets	\$ _____
Luncheon (Wed.)	\$20	# of tickets	\$ _____
Luncheon (Thurs.)	\$20	# of tickets	\$ _____
Luncheon (Fri.)	\$20	# of tickets	\$ _____
Meeting T-Shirts (free if registered by July 1) Large _____ X-Large _____ XXLarge _____ <small>May not be available after Aug 1, 1998. \$15 each for extra shirts. _____ # Extra Shirts</small>			\$ _____
Late Fee: For all registrations received after Aug 1, 1998		\$50	\$ _____

Total \$ _____

For payment by credit card include: Type of Card: Visa / Master Charge
 Card No _____ Expiration Date _____

Signature _____

mail to: SOFT/TIAFT 1998, PO Box 40711, Albuquerque, NM 87196-0711 USA



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA
Sandia Registration



NAME _____ Degree _____
Last First

Title/Agency _____

Address _____

Telephone _____ Fax _____

Guest(s) _____ E-mail _____

Member: TIAFT _____ SOFT _____ Both _____ Non-Member _____

	SOFT/TIAFT MEMBER	NON- MEMBER	TOTAL ENCLOSED
Basic Meeting Registration includes admission to all scientific sessions, abstracts book, Welcoming Reception, Presidents Reception and buffet dinner, Wednesday, Thursday and Friday Luncheons, the Farewell Banquet, Workshop # 6, the published Congress Proceedings and all coffee breaks	\$275	\$325	\$ _____
Workshop # 1 Pharmacology and Anal. Tox. of Drugs in Saliva	\$40	\$75	\$ _____
Workshop # 2 Current Applications of TLC in Forensic Toxicology	\$40	\$75	\$ _____
Workshop # 3 Analytical Challenges with Amphetamine Analogs	\$40	\$75	\$ _____
Workshop # 4 Practical Aspects of CI/MS for Drugs	\$40	\$75	\$ _____
Workshop # 5 Case Histories In Forensic Pathology	\$40	\$75	\$ _____
Workshop # 7 Rohypnol Detection	\$40	\$75	\$ _____
Workshop # S1 Expert Witness Testimony: Aspects from Other Nations	\$40	\$75	\$ _____
Workshop # S2 Is Hair Analysis Racially Biased	\$40	\$75	\$ _____
Full-Time Student or Daily Registrant	\$30	\$50	\$ _____
Permits attendance at scientific sessions only: Wed, Thurs, or Friday. Fee is per each day.			
Accompanying Person Registration includes the Welcoming Reception, Presidents Reception and buffet dinner, the Banquet and Workshop # 6 (Santa Fe)	\$175		\$ _____
Extra Tickets: Welcoming Reception	\$25	# of tickets	\$ _____
Presidents Reception/ Dinner (Wed.)	\$25	# of tickets	\$ _____
Farewell Banquet (Fri.)	\$40	# of tickets	\$ _____
Luncheon (Wed.)	\$20	# of tickets	\$ _____
Luncheon (Thurs.)	\$20	# of tickets	\$ _____
Luncheon (Fri.)	\$20	# of tickets	\$ _____
Meeting T-Shirts (free if registered by July 1) Large _____ X-Large _____ XXLarge _____			\$ _____
<small>May not be available after Aug 1, 1998. \$15 each for extra shirts. _____# Extra Shirts</small>			

Late Fee: For all registrations received after Aug 1, 1998 \$50 \$ _____

No mail registrations accepted after September 7, 1998: Payment by 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 SOFT/TIAFT 1998.

Total \$ _____

For payment by credit card include: Type of Card: Visa / Master Charge
 Card No _____ Expiration Date _____

Signature _____

Mail to: SOFT/TIAFT 1998, PO Box 40711, Albuquerque, NM 87196-0711, USA



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque Hilton
LODGING



Name _____

Address _____

City/State/ZIP _____ Country _____

Telephone # _____ Fax # _____

Arrival Day/Date/Time _____ Departure Day/Date _____
(Please note check-in time of 3 pm) (Please note check-out time of 12:00 noon)

Albuquerque Hilton (Congress Hotel)
1901 University Blvd. N.E.
Albuquerque, New Mexico, USA
Hilton Reservations tel (800)274-6835,
local tel (505)884-2500,
fax (505)889-9118

Please indicate Accommodations Requested:

No. of Rooms		Rates
_____	Single Occupancy	\$105.00
_____	Double occupancy	\$105.00
_____	Triple occupancy	\$115.00
_____	Quad occupancy	\$125.00

Total number in party _____ There is no charge for children under 18 years when they occupy the same room as parents.

Bedding request (please circle) One bed Two beds
Special request _____
Non-smoking room? _____ Yes _____ No

Please send deposit to hotel directly (See above for Hotel Address). Reservations must be guaranteed by a deposit, or an accepted credit card number and signature.

Guaranteed by _____ Check _____ Credit Card Card Type: _____

Credit Card # _____ Expiration Date _____

I understand that I am liable for one night's room and tax, which will be deducted from my deposit or credit card in the event that I do not arrive or cancel 72-hours in advance. During Balloon Festival Early departure penalties may be charged.

Signature _____

ALL RESERVATIONS MUST BE IN BY SEPTEMBER 3, 1998
Reservations received after this date will not be guaranteed room availability or the conference rate.



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, 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, skin, vitreous, breast milk, meconium, etc. and in papers relating drug concentrations to performance impairment, drug interactions, drug metabolism, pharmacology and pharmacokinetics. Platform presentations will be 15 min including questions and Poster Presentations will be 4 ft high by 3.25 ft wide. Tack boards and thumb tacks will be provided.

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 or by attachment to an e-mail message to tiaft98@aol.com. Electronic submissions must be in IBM word processing format (MS Word for Windows preferred) or ASCII format. Please label the disk with the first author's name and the word processing program utilized. **The deadline for submission of abstracts is July 1, 1998.** The presenting authors of all papers will be required to register for the meeting. 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. Statement of results
6. Statement of conclusion

Sample Abstract:

Title: Type Upper and Lower Case. Use Significant Words Descriptive of Subject Content

Author(s) Names and Addresses: Type Upper and Lower Case; Spell Out First and Last Names, Use Middle Initial, e.g. Vina R. Spiehler

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 in the program.

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

Format of Abstract

Abstracts must be typed and submitted in a neat legible format following the instructions and style provided in the sample below. Type the entire abstract within the boxed area, single spaced with 12 point font. 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 fax or e-mail no later than September 1, 1998.

Specific Instructions

Complete the attached form and follow the sample provided below. Proof-read all information provided. Send the original, three additional copies and an IBM disk with the abstract to:

Mailing Address: SOFT/TIAFT 1998
422 Tustin Ave.
Newport Beach, CA
USA 92663

E-mail Address: TIAFT98@aol.com
or spiehleraa@aol.com



SOFT/TIAFT 1998
October 5-9, 1998
Albuquerque, New Mexico, USA



Abstract of Paper
Deadline for Submission July 1, 1998

Presenting Author, Name and Mailing Address:

Telephone: _____
Fax: _____
E-mail address _____

Presentation Preference: () Oral () Poster
Affiliation: () SOFT () TIAFT () Neither

Co-authors(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: 35 mm slide projector
and pointer.

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

Signature of submitting author

