FROM THE EDITOR'S DESK.

Joseph R. Monforte, Ph.D., DABFT

Special "thanks" to the contributors to this issue who met the early submission deadline. Don't forget, meeting registrations received after September 9th will be subject to a late fee. The SOFT bylaws require that certain information be received by the members at least 30 days before the annual business meeting. Since all U.S. members receive ToxTalk through bulk mail, this early mailing will ensure that you receive ToxTalk to avoid the meeting registration late fee and the bylaws requirements will be met. At the time of this printing, not all inserts were available. They will be included with this issue, if they are received by the mail date, or you will receiving a special mailing.

I would like to recognize Dr. Carl Selavka and his colleagues at National Medical Services for consistently providing a "Case Note" for each issue of ToxTalk. I am particularly pleased that other members are submitting case notes and encourage all members to do so.

IN THIS ISSUE

REGULAR FEATURES: Journal Club  Professional Calendar  Elmer Gordon
Blutalkoholkonzentration  President's Message

TECHNICAL NOTES: Case Notes: Case Clothes'd (Selavka/Middleberg), Testing a Drug Addict's Hair for Pholcodine (Cirimele et al)
Cocaine Overdose or ??? (Williams et al)
Tuberculosis: Health and Safety in the Forensic Lab (Marker)
Bibliography: Biological Hazards II (Isenschmid)

OF SPECIAL INTEREST: Nominating Committee Slate

INSERTS:* 1995 SOFT Meeting Information & Registration Form (Caplan)
Minutes of the 1994 SOFT Annual Business Meeting (Watts)

*If available at time of mailing

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 (above). Non-members may now receive ToxTalk for $15 per calendar year. Mail a check, payable to SOFT, to the ToxTalk Editor.

All members and others are encouraged to contribute to ToxTalk. Mail material to: Joseph R. Monforte, Ph.D., DABFT, ToxTalk Editor, 846 Smoki Drive (H.P.), Prescott, AZ 86301 Phone/FAX: 520-717-0617 (after 11 a.m. E.S.T.)

DEADLINES: Feb. 1, May 1, Aug. 1, and Nov. 1. NEXT DEADLINE: November 1, 1995

SOFT is a supporting organization of the American Board of Forensic Toxicology.
I look forward to seeing you all in Baltimore the week of October 9, 1995. This year the SOFT Annual meeting fills the entire week with workshops on Monday and Tuesday, scientific sessions Wednesday and Thursday, and, on Friday after the business meeting, a symposium on the forensic toxicologist as an expert witness. I hope you will all attend. Our annual meetings provide the best means for realizing the most important goals of our Society.

The SOFT Bylaws list nine objectives of the organization:

1.) Provide an organization of professional forensic toxicologists, defined as those qualified scientists engaged in the analysis of body fluids and tissues for drugs and/or poisons and in the interpretation, in a judicial context, of the information generated by such analysis.

2.) Promote the establishment and acceptance of uniform qualifications and requirements for the certification and/or licensure of forensic toxicologists by an independent body, and to support mechanisms for their certification and periodic recertification.

3.) Stimulate research and development in the field of forensic toxicology.

4.) Provide a forum for the discussion and exchange of professional experiences between forensic toxicologists and among forensic toxicologists and others engaged in the administration of justice, in other governmental functions, and in other allied fields.

5.) Promote further education and training in forensic toxicology.

6.) When appropriate and upon request, to provide impartial boards of review for cases involving differences of professional opinion in the field of forensic toxicology.

7.) When appropriate and upon request, review and make recommendations on pending or existing legislation which appears to relate to the field of forensic toxicology provided such legislative activity is germane to the common business interests of the corporation.

8.) Consider and act upon administration and career problems affecting forensic toxicology as a profession, and promote the welfare of forensic toxicologists.

9.) Promote and assist in 1) the continued development of the field of forensic toxicology and 2) bringing about adequate availability of forensic toxicology services to units of government, organizations and persons in need thereof.

The annual meeting in Baltimore obviously meets objective 4 by providing a forum for scientific, informal and fun (ToxCrock) exchanges between forensic toxicologists and, since our meetings are attended by many non-members, between forensic toxicologists and others. In addition, the two days of workshops provide concentrated continuing education and training, meeting objective 5.

In reviewing the abstracts coming in this month, it is apparent that the opportunity to present papers and posters at the annual SOFT meeting also stimulates research and development in the field of forensic toxicology (objective 3). Our members have come up with amazing new procedures, cases and findings. Our vendors have some really novel products and methodologies which they will unveil in Baltimore. Preston Publications is publishing a special double Silver Anniversary Issue of the SOFT Special Issue of the Journal of Analytical Toxicology for this meeting and will have copies available in Baltimore. Special Issue Editors Vickie Watts and Thomas Simonick have done an outstanding job of recruiting an abundance of significant manuscripts for this issue.

Further, the SOFT Annual Meeting is the venue for the American Board of Forensic Toxicology (of which SOFT is a sponsoring organization) to give the certification exam, hold its board meeting, and convene a breakfast gathering of ABFT Diplomates. This promotes objective 2, which some say was the generative idea behind the establishment of the Society of Forensic Toxicologists twenty-five years ago.

Objective 8 is being addressed by Yale Caplan and his team organizing the Baltimore meeting with the Friday symposium on the expert witness role of the forensic toxicologist. The keynote speakers on "Meeting the Challenge of Substance Use and Abuse in America" of the opening program may address objective 7.

So you can see that our annual meeting in 1995 will fulfill five out of nine of our Society's objectives. It will be a lot of fun and all your friends will be there. I hope that you can come and be a part of it. See you in Baltimore!
SOFT ANNUAL MEETING
October 9-14, 1995

Silver Anniversary Meeting Sheraton Inner Harbor Hotel

PROGRAM OUTLINE:

09/01/95   Deadline for registration without late fee penalty
09/11/95   Hotel registration deadline - but register early to guarantee a room!
            Sheraton Inner Harbor 410-962-8300 ($129 single, $139 double)
10/01/95   Deadline to register for meeting by mail
10/09/95   Workshops 1 & 2
10/10/95   Workshops 3, 4, 5 & 6
           Welcoming Reception
10/11-13   Scientific Program
10/12/95   ABFT Breakfast
10/13/95   SOFT Annual Business Meeting

For further information contact: Yale H. Caplan, Ph.D., Corning National Center for Forensic Science
1901 Sulphur Spring Road, Baltimore, MD 21227 Telephone: 410-536-1485

YOUR VOICE AT THE SOFT MEETING: Plans are underway for another SOFT sing-a-long. If you have a
favorite song you would like to sing or have included in the sing-a-long at the 25th Anniversary SOFT Meeting in Baltimore,
please send your request to:

Daniel Isenschmid, Ph.D.
Wayne County Medical Examiner's Office
1300 E. Warren
Detroit, MI 48207
or FAX to: 313-833-2534

October is a popular time in Baltimore - so reserve your hotel room early!

ABFT News

All ABFT Forensic Toxicology Diplomates and Toxicology Specialists are invited to attend the ABFT Annual Breakfast
on Thursday, October 12th (during the SOFT meeting in Baltimore). Complete the appropriate line on the SOFT meeting
registration form. New certificants will be recognized.

Sixty-two Diplomates have recently been requalified and will receive new ABFT certificates during the annual
breakfast.

A new ABFT Directory is being prepared. If you have changed your address or telephone or fax numbers, contact the
ABFT Administrative Office immediately.

Forensic toxicologists 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
TUBERCULOSIS: HEALTH AND SAFETY IN THE FORENSIC LABORATORY
Submitted by: Elizabeth Marker, Ph.D.

Tuberculosis (TB), after a thirty year decline, has shown an eighteen percent increase in incidence since 1985. Of particular concern are Mycobacterium tuberculosis which show resistance to two or more of the antibiotics used in treatment. The groups considered to be a high risk for active disease include blacks, Hispanics, Asian and Pacific islanders, native Americans, intravenous drug users, the elderly and people with compromised immune systems such as those with HIV\textsuperscript{1}. Many of these groups closely correspond to the constituency of Medical Examiner/Coroner systems. It is important, therefore, that forensic laboratory staff recognize potential risks for exposure to TB.

TB is spread in the general population by close and prolonged exposure to droplet nuclei containing the bacteria. These aerosol droplets form when a living patient coughs, sneezes, spits or even sings. The chance of infection is dose dependent: the greater the exposure to droplet nuclei, the greater the risk. The droplets are from 1-5 microns in size, small enough to remain suspended in the air and to be carried by ambient air currents. In the forensic area, exposure is by aerosolization of body fluids during an autopsy or during preparation of samples for analysis.

In the autopsy room, droplets can be generated by compression of the chest during the procedure and through the use of saws. In the laboratory, aerosols can be produced during tissue homogenization or any procedure which forcibly mingles sample and air such as pressurized "blow out" of transfer pipettes with automated pipettors. Protection against these hazards involves the use of engineering controls and appropriate work practices. Engineering controls include proper ventilation of rooms and use of ventilating hoods. The autopsy room, with large amounts of aerosols, should have negative pressure and direct ventilation to the outside. In the laboratory, laminar flow hoods with HEPA filters should be used for all processes which produce significant amounts of aerosolization, such as homogenizing specimens.

The balance of laboratory safety relative to TB involves administrative controls and common sense. The proper use of universal personal protection (barrier protection) should provide a reasonable degree of protection against all infectious hazards, including TB. However, dust or dust/mist masks have not been shown to protect against droplet nuclei; the only accepted respiratory barrier is a respirator with an HEPA filter. These masks are expensive and require periodic fit check testing. These respirators are in common use in autopsy rooms. In the laboratory, common sense would suggest that all procedures which could cause the formation of an aerosol be done in properly ventilated areas. The use of disposable glassware could reduce or eliminate any hazards associated with cleaning. Work areas should be periodically disinfected.

Finally, the tuberculin skin test should be administered at least once per year to all personnel directly involved with autopsy specimens. A positive test requires further medical evaluation.

Tuberculosis is preventable. By using good laboratory practice and appropriate protective equipment the risk of infection to laboratory personnel can be reduced to an acceptable minimum.


BIBLIOGRAPHY: BIOLOGICAL HAZARDS (PART II)
Submitted by: Daniel Isenschmid, Ph.D.


(continued next page)
BIBLIOGRAPHY: BIOLOGICAL HAZARDS (PART II) (continued)


FREE SAFETY NEWS MAGAZINE: Compliance Magazine is a monthly safety magazine that contains many articles that may be useful to people with an interest in health and safety in the workplace. In addition to regular feature articles, the magazine features updates on Federal Regulations, news, and new products. The magazine is available free of charge (to qualified subscribers) by writing to Compliance Magazine, 17730 West Peterson Road, P.O. Box 159, Libertyville, IL 60048-0159 or calling (708) 362-8711, Fax (708) 362-9143.

FUTURE ARTICLES: Occupational Drug Exposure (Cody), Chemical Spills (Isenschmid).

Technical Notes: BLUTALKOHOLKONZENTRATION No. 10

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

ARE POSTMORTEM ALCOHOL DETERMINATIONS USEFUL IN CASES OF SEVERE HAEMORRHAGIC SHOCK TREATED WITH NUMEROUS BLOOD TRANSFUSIONS? G. Weiler, Blutalkohol 16:306-309, 1979

German title: ist bei protrahiertem Verblutungsschock trotz zahlreicher Bluttransfusionen ein postmortale Alkoholbestimmung noch sinnvoll?

A case report involving a 39-year-old female alcoholic who was, allegedly, in a highly intoxicated state when she fell on broken beer bottles on the ground and suffered severe flesh wounds. Massive bleeding occurred from the wounds, and the woman lost consciousness after 15 minutes. Emergency treatment was commenced 30 minutes later at the hospital. The patient never recovered consciousness and died 12 hours later.

During the course of the treatment, the woman received 1 L of a blood substitute and 8.5 L of blood. An autopsy was conducted 29 hours after death. Due to the above circumstances, it was thought that the determination of blood alcohol concentration would be of little use. However, the postmortem alcohol concentration of the femoral blood was 0.150 g/100mL (blood water content 84%) and of the bile, 0.170 g/100mL.

The author states that although a precise back calculation of the BAC at the time of the accident is not possible, the concentration of the deceased must have been considerably higher than the postmortem BAC and is consistent with her degree of intoxication. He concludes that postmortem determinations of alcohol in the blood and other biological material in cases of haemorrhagic shock with extensive blood transfusion and long survival times may be promising and can yield useful information.
A hair specimen was obtained from a drug addict who claimed that he stopped heroin intake a month before and took pholcodine, a potent antitussive agent.

Hair was analyzed according to the P. Kintz procedure (1). Briefly, the hair sample was cut as close to the skin as possible, in the vertex posterior region, and washed twice in methylene chloride. Strands of hair were cut into two pieces for segmental analysis: first, the 1 cm-proximal root segment representing approximately a growth of one month and the second, the 3 cm-distal root segment. The two segments were pulverized separately in a ball mill and 50 mg were incubated in 1 ml 0.1 N hydrochloric acid, 15 hours at 56 degrees C, in the presence of deuterated internal standards (codeine-, morphine- and 6-monoacetylmorphine-d3). After neutralization, the homogenate was extracted with 10 ml chloroform/2-propanol/n-heptane (50:17:33, v/v) under alkaline conditions (pH 8.4). After agitation and centrifugation, the organic phase was purified by extraction with 5 ml 0.2 N hydrochloric acid, and, finally, the aqueous phase was re-extracted with 5 ml of chloroform (pH 8.4). After evaporation of the organic phase to dryness, the residue was derivatized by silylation (35 ul BSTFA + 1% TMCS), and a 1.5 ul portion was injected into a GC/MS system (Hewlett Packard 5890 gas chromatograph coupled to a 5971 mass spectrometer). The flow of carrier gas (helium, purity grade N5) through a 30 m x 0.25 mm HP-5MS capillary column was 1.0 ml/min. The column oven temperature was programmed to rise from an initial temperature of 60 degrees C, kept for 1 min., to 295 degrees C at 30 degrees C/min and kept at 295 degrees C for the final 6 min. Splitless injection, with a split-valve off-time of 0.75 min., was employed. The detector was operated in electronic impact mode, at 70 eV, with an ion source temperature of 190 degrees C.

Pholcodine was not detected in the distal segment of hair but was present at a concentration of 0.71 ng/mg of hair in the proximal segment. This compound was also detected in human beard and head hair, using GC/MS, by Maurer and Fritz (2), but was not quantitated. Here, we report for the first time quantitative results for pholcodine in human hair using GC/MS. In both proximal and distal segments, codeine (6.52 and 7.25 ng/mg), morphine (0.37 and 1.14 ng/mg) and 6-monoacetylmorphine (1.69 and 1.41 ng/mg) were also detected, clearly indicating that the drug addict was lying about his drug abuse history.

In some extraordinary criminalistics cases, advantage can be made of the analytical power of current toxicological methods. One example involves extracting clothing and other porous materials which have become contaminated with biological fluids or adherent tissues during the commission of a crime or agonal struggle. Literature reports exist for the determination of drugs and metabolites in stains, especially cocaine/metabolites (see F.P. Smith and R.H. Liu, *J. Forensic Sci.* 31 (1986) 1269-73 for one case-study report). In recent years, we have performed testing in cases involving bloodstains in and on automobile surfaces (dashboards, headliners and carpeting), clothing and documents. Two recent cases illustrate the handling of these specimens and some of the unique interpretive precautions needed to adequately portray results.

In the first case, a truck driver was involved in a single-vehicle accident during which his foot was nearly severed. The question of possible toxicological contribution by amphetamines to driving impairment was raised since the driver's urine screened positive for amphetamines. Carpeting from the floorboards was contaminated with his blood, so the investigators collected portions of the stained carpeting, as well as a "comparison sample" from another area of the cab. (The term "comparison sample" is used instead of "control", adopting the convention used in fire debris examinations for "arson accelerants" to describe material on which there is no apparent stain or evidentiary pattern, but whose exact provenance [previous contamination, etc.] is not known). The samples were separately weighed, cut, extracted into pH 7.4 phosphate buffer, and these "elutions" were then extracted using methods designed for sympathomimetic amines. Extracts were tested using modified polyclonal enzyme immunoassay for amphetamines and dual-column GC-NPD/FID followed by GC/MS. The findings demonstrated that methamphetamine and ephedrine were present in the stained area of the carpet, with traces of amphetamine, while methamphetamine and ephedrine were also detected at lower levels on the comparison carpet sample.

In the second case, "man A" robbed "man B", during which B was stabbed but was not mortally wounded. Man A was charged with attempted homicide and robbery but claimed self-defense. He stated that man B was high on cocaine and had actually attacked him (man A) with a knife after man A had initiated the admitted strong-arm robbery. Since no toxicological samples were taken from either actor at or near the time of the crime(s), the investigators requested testing for cocaine/metabolites in the bloodstains on man B's clothing. A procedure similar to that described above was used to extract the stained areas of man B's shirt, and the findings demonstrated the presence of cocaine, benzylecgonine and cocaethylene. These results led the prosecution to withdraw the attempted homicide charge against man A - but not for reasons of law related to man A (the "robber"). Instead, it happened that man B (the "victim") was on parole, and it was his fear that his parole officer would hear about his excursion from the straight and narrow and revoke his release, returning him to incarceration.

These two cases offer some insight into the use of toxicological techniques with bloodstained textiles. However, some caution is advised when attempting the testing, and especially when interpreting results:

a. A negative finding can have many interpretations:
   1. There were no drugs/metabolites in the stain
   2. There were drugs/metabolites in the stain but they underwent decomposition
   3. There were (stable) drugs/metabolites in the stain, but they were not eluted using the methods employed
   4. The level(s) of drugs/metabolites were not high enough to be detectable

b. A positive finding in the absence of testing of a comparison sample should be interpreted very carefully, due to the possibility for prior exposure of the evidence to drugs

With these caveats emptor'd, perhaps you will soon have an occasion to attempt testing in or on stained surfaces. If so - we hope that you are able to weave our experiences seamlessly into your case! 

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**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 846 Smoke Dr. (H.P.), Prescott, AZ 86301
- or - Telephone/FAX: 520-717-0617 (after 11:30 E.S.T.)

Other items of interest to SOFT members are also welcome. Next deadline: NOV. 1, 1995

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NOMINATING COMMITTEE OFFERS 1996 SLATE

The following terms of office will end December 31, 1995: President Vina Spehler, Vice President H. Chip Walls, Secretary Vickie W. Watts, and Directors W. Lee Hearn and Barry S. Levine. The president and vice president each serve one-year terms, the secretary serves a two-year term, and directors serve three-year terms. The 1995 Nominating Committee consisting of immediate past-president Mark B. Lewis, B.S., DABFT (chair), Robert Bost, Ph.D., DABFT, and H. Horto., McCurdy, Ph.D., DABFT offer to the members of the Society of Forensic Toxicologists the following nominees:

PRESIDENT: H. CHIP WALLS, B.S. H. Chip Walls received his BS in Chemistry/Biology from the University of Alabama at Birmingham in 1972. His professional experiences have covered 20 years in university, private and governmental laboratories providing post-mortem forensic toxicology, clinical toxicology, probation urine drug testing, and driving under the influence cases. His present position is Supervisor of the Forensic Toxicology laboratory of the Onondaga County Health Department in Syracuse, NY, which he has held since 1986. An active member of several toxicology organizations, he has chaired national committees, has organized workshops on forensic toxicology for annual meetings, and has been an invited speaker on drug detection in pregnancy. Mr. Walls has served SOFT as Vice President (1994), Board of Directors (1991-94), the Executive Board, Editorial Board of ToxTalk, numerous committees including Meeting Resources (chair), Finance, JCETT, Driving Under the Influence of Drugs, and Health/Safety. He was SOFT Special Issue Guest Editor of JAT (1992). He regularly attends and participates in annual SOFT meetings.

VICE PRESIDENT: VICKIE W. WATTS, M.S. Vickie W. Watts received her Master's degree in Forensic Toxicology from the University of Maryland and her B.S. degree in Chemistry from Augustana College in 1976 where she was Phi Beta Kappa. Ms. Watts has over 17 years experience in the field of forensic toxicology and is currently a Senior Forensic Toxicologist with the City of Mesa Crime Laboratory. She has received career and research awards from SOFT, AAFS, and CAT, is a member of the National Safety Council's Committee on Alcohol and Other Drugs, Past Chainnan of the AAFS Toxicology Section, and Past President of the California Association of Toxicologists. Ms. Watts has served on or chaired a variety of committees for SOFT and served on the Board of Directors (1991-93). Ms. Watts was the meeting host for the 1993 SOFT/CAT Joint Meeting in Phoenix and is completing her term as the 1993-95 SOFT Secretary.

SECRETARY: MARILYN A. HUESTIS, Ph.D. Dr. Huestis received her B.S. in Biochemistry and M.S. in Clinical Chemistry. She received a full research scholarship and her Ph.D. from the University of Maryland. Dr. Huestis' more than twenty years experience in forensic and analytical toxicology includes Chief Toxicologist of Nichols Institute's San Diego Laboratory (1983-88), Research Staff Fellow Award of the Addiction Research Center (NIDA), and her current work as an independent consultant with the National Laboratory Certification Program of the D.H.H.S., D.O.D. and other organizations. Dr. Huestis has accepted the position of Senior Research Scientist at the Addiction Research Center (NIDA, NIH) as of September 1995. She has published several papers, chaired numerous committees for SOFT (currently serving on the Board of Directors), AAFS, CAT, AACC and TIAFT.

DIRECTOR: DANIEL S. ISENSCHMID, Ph.D. (3-year term) Dr. Isenschmid received a BS degree in Biology from Adelphi University and MS and PhD 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), the 1995 Meeting Committee, and will serve as chair of the 1996 Meeting Workshop Committee. He received the Irving Sunshine Award from the AAFS.

DIRECTOR: LAUREL J. FARRELL, B.A. (3-year term) 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 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: WILLIAM LEE HEARN, Ph.D. (1-year term) In the event of Dr. Huestis's election as Secretary, the Nominating Committee proposes that the remainder of her term (1 year) be completed by Dr. Hearn. Dr. Hearn, current SOFT Director, received his BS in Chemistry from the University of Maryland (1967) and his PhD in Pharmacology from the University of Miami School of Medicine (1979). His current position is Laboratory Director at the Dade County Medical Examiner Department, Miami, FL, and holds faculty appointments at the University of Miami School of Medicine in the Departments of Cellular and Molecular Pharmacology, Pathology, and Epidemiology and Public Health. Dr. Hearn has 2 publications in scientific journals and book chapters, and has given numerous presentations at scientific meetings.

Reminder - only full members may vote at the SOFT Annual Business Meeting 10/13/95.


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HOW OTHERS SEE US: Al Poklis shares a comment from a student’s evaluation after completing a rotation in the toxicology laboratory: “The techs in Toxicology are very knowledgeable and readily share their experiences. The overview lecture on Day 1 was very helpful. While I was there, some techs were out sick, some equipment down, and a new tech was being trained, but everything was covered. I would rather have spent more time in Coagulation and less time in Toxicology. When you’ve seen one chromatogram you’ve seen ‘em all.”

ON THE MEND: We wish a speedy recovery to Leo DalCortivo from his recent surgery.

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. (No items were submitted for this issue of ToxTalk.)

Toxicologist I for M.E. lab, BS + 2 years experience in toxicology-related laboratory, or equivalent combination of training and experience. Duties include TLC, spectrophotometry, IA, MS, wet chemical procedures and court testimony. $28,655-$43,389/yr. Contact Dr. Teri Stockham, Chief Toxicologist, Broward County Medical Examiner’s Office, 5301 S.W. 31st Ave, Ft. Lauderdale, FL 33312. Telephone: 305-964-0206.

Ph.D. experienced in development of assays for steroids using GC and LC separations and MS detectors, possible administrative and supervisory responsibility. Non-tenure track researcher, UCLA School of Medicine sport drug testing lab. CV and 3 reference letters to R. L. Hilderbrand, Ph.D., OAL, UCLA Pharmacology Dept., Los Angeles, CA 90095-1735.

PROFESSIONAL CALENDAR


Analytical and Molecular Biological Techniques in Environmental Toxicology and Forensic Sciences: September 11-12, San Juan, Puerto Rico. Sponsored by Puerto Rico Chemists Assoc and the American Registry of Pathology, $200. Contact Dr. Jose Centeno, AFIP, 14th & Alaska Ave. NW, Washington, DC 20306-6000. Ph 202-782-2839, Fax 202-782-9215


FUTURE S.O.F.T. MEETINGS: 1996 - Denver, CO

REMINDER - S.O.F.T. CONTACT INFORMATION:

📞 VOICE MAIL & FAX 602-839-9106
📍 MAILING ADDRESS P.O. Box 5543, Mesa, AZ 85211-5543

Submit your items for ToxTalk to:
Dr. Joseph Monforte, 846 Smoki Dr (HP), Prescott, AZ 86301
(ToxTalk print date: 7/19/95)
The 15th annual October special issue of the Journal of Analytical Toxicology will again be published in collaboration with the Society of Forensic Toxicologists (SOFT). The guest editors for this issue are Vickie Watts and Thomas Simonick.

Original manuscripts to be considered for publication should be directed to:

Vickie Watts or Thomas Simonick
Mesa Police Department Crime Laboratory
130 N. Robson
Mesa, AZ 85201

Telephone: (602) 644-2077 • FAX: (602) 644-2478

DEADLINES FOR SUBMISSION:
March 17, 1995: Abstracts
April 3, 1995: Completed Papers

Complimentary copies of this issue will be distributed at the JAT booth during the 1995 SOFT Annual Meeting (October 9-14, Baltimore, MD). For more information on the 1995 meeting, contact:

Yale H. Caplan, Ph.D.
3411 Philips Drive
Baltimore, MD 21208

Telephone: (410) 536-1700 • FAX: (410) 536-1617