



TOX TALK

Society of Forensic Toxicologists, Inc.

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AND BRADFORD HEPLER, PH.D.

1991

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S.O.F.T./C.S.F.S. MEETING

September 23-27, 1991
Montreal, Canada

William D. Robinson, S.O.F.T. Liaison
Centre of Forensic Sciences
25 Grosvenor Street
Toronto, Ontario M7A 2G8
Canada (416) 965-9507

FROM THE EDITOR'S DESK JOSEPH R. MONFORTE, PH.D.

Enclosed in this issue of ToxTalk is a survey form to assess cocaine involvement in deaths of infants twelve months of age or less. As you are probably aware, several deaths have been reported to occur as a result of passive inhalation of smoke, thereby receiving national media attention. I am conducting this survey only to compile information for SOFT members. Sharing this information may assist laboratories in evaluating/modifying testing protocols. The results will be published in the June issue of ToxTalk. I would also strongly encourage you to submit any case notes on this subject for the next issue.

PLANS UNDERWAY FOR EXCITING S.O.F.T./C.S.F.S. MEETING
SEPTEMBER 23-27, 1991 MONTREAL

IN THIS ISSUE

REGULAR FEATURES - Professional Calendar - Journal Club
- Career Opportunities - Treasury Note\$
- Case Notes - Elmer Gordon Forum
- New Members

OF SPECIAL INTEREST - Information on Selected Drugs:
Benzodiazepines
- JAT Special Issue Information

INSERTS - 1991 SOFT/CSFS Meeting Information
and Call for Papers
- Dues Notice
- ABFT Forensic Toxicology Specialist
brochure
- Survey: Cocaine and Infant Deaths

ToxTalk is mailed quarterly to members of the Society of Forensic Toxicologists, Inc. For membership information contact: Alphonse Poklis, Ph.D., 1990 SOFT Secretary, Director, MCV Tox Lab, Box 597 - MCV Station, Richmond, VA 23298. Telephone: (804) 786-0272. Non-members may now receive ToxTalk for \$15 per calendar year. Mail a check payable to S.O.F.T. to ToxTalk at the address below.

All members and others are invited to contribute to ToxTalk. Submit all materials for publication consideration to: Joseph Monforte, Ph.D., ToxTalk, 1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412 (Telephone 313-884-4718).

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

MEET ME IN MONTREAL!!
SEPTEMBER 23-27

This year SOFT will again join our Canadian counterpart, the Canadian Society of Forensic Sciences, as well as the International Association of Bloodstain Pattern Analysts for what appears to be an exciting and informative meeting. It will be held at the Grand Hotel in downtown Montreal. In this issue of ToxTalk, you will find a letter from the president of the CSFS, a calendar of proposed events, and a call for papers.

Montreal is a beautiful city with lots of entertainment and shopping. It will be early autumn, so the weather will be pleasant.

Remember, that \$1.00 U.S. is equivalent to \$1.18 Canadian.

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CALL FOR PAPERS:

For specific information, please contact:

Mrs. Carole Peclet
Phone: 514-873-2704
FAX: 514-873-4848

DEADLINE: JUNE 10th

* * *

PRESIDENT ANDERSON APPOINTS
1991 COMMITTEE CHAIRPERSONS

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Michael Evans, Ph.D.

NOMINATING:

Robert Bost, Ph.D.

GRANTS AND ENDOWMENTS:

Richard Prouty, B.S.

BY LAWS:

Kurt Dubowski, Ph.D.

DUID:

Chip Walls, B.S.

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THE E.R.A. GROWS!

We gratefully acknowledge the following 1991 contributors to the SOFT Educational Research Award (ERA):

Ronald Backer
Yale Caplan
Michael Caplis
June Jones

Barry Levine
Richard Pinder
Richard Proudly
Thomas Rejent

Vina Spiehler
Irving Sunshine
Arthur Zebelman

The ERA has also received donations in memory of EARL WALDRON, father of Vicki Watts, from Ronald Backer, Joseph Monforte, Anthony Costantino, Alphonse Poklis, Michael Schaffer and the Southwestern Association of Forensic Scientists as well as a generous contribution from Vicki's "friends at the AAFS meeting."

TREASURY NOTES

DUES: If you have submitted your dues for 1991, thank you and please disregard the enclosed "overdue" notice.

OFFICIAL NOTICE TO MEMBERS IN ARREARS: If you have not yet paid your dues for 1991, this is your official notice that you are in arrears and your name will be removed from the mailing list. All dues payments must now include the \$7.00 late fee. NEW MEMBERS who do not pay their dues will also be removed from the membership list.

LOST MEMBERS? After several efforts, we are unable to contact the following: Kathleen Baldwin, Joseph Boni, Kevin Brown, Jill Crumpacker, Mary DeMayo, Maureen Finn, Eligio Gonzalez, Glenn Hardin, Christine Hutak, James Hutchison, Michael Kralik, Donald Loomis, Mark Luckens, Brian Mattes, Joel Mayer, Thomas Mazer, Robert Middlebert, Patricia Otero, Dell Rowland, Maria Santibanez, Gaspare Scituro, Chen Shui-Cin, Joanne Slavin (McJenkins). Call Mark Lewis to determine your dues status (518-457-1208) and Dr. Alphonse Poklis to confirm your address (804-786-0272). You will receive no further SOFT communications until the contacts are made, and you will be removed from the membership roll if your dues are not current.

FAIR WARNING! We are having considerable difficulty maintaining a current mailing list. In reviewing the labels for this ToxTalk mailing, it is obvious that some of the database addresses are incorrect. No address changes will be made unless received by the Secretary in writing from the member. Why should you bother?

§ ToxTalk will not be forwarded by the post office and, effective immediately, requests for back issues due to incorrect address will not be honored.

§ Secretary Poklis will soon begin preparing the new Directory for a projected June printing and will use whatever information you have on file - even if it is archaic.

§ As approved by the Board, each SOFT member will receive a free professional-quality copy of the completed Forensic Laboratory Guidelines in the next few months. These will be sent to the address on file. SOFT will only mail one copy free and will not be responsible for incorrect address information. Additional copies will cost about \$25.

* * * * *

IF YOUR DUES ARE NOT CURRENT: YOU WILL NOT be kept on the mailing list YOU WILL NOT receive TOXTALK YOU WILL NOT receive the free lab guidelines YOU WILL NOT be included in the new Membership Directory

DEADLINES FOR S.O.F.T.
JAT SPECIAL ISSUE

APRIL 1: abstracts were due
APRIL 15: completed papers due

For information contact:
Dr. William Lee Hearn
Dade County Med. Examiner's Dept
Number One Bob Hope Road
Miami, FL 33136-1133
Phone: 305-545-2400
FAX: 305-545-2418

WELCOME NEW SOFT MEMBERS!

FULL: Mary Bassi, Aminta Bolanos, Dr. Dennis Canfield, Albert Dimagiba, Leslie Edinboro, Lt. Kenneth Habben, Dr. Richard Hilderbrand, Dr. Cecil Hornbeck, James Kuhlman, Dr. David Kuntz, John Nied, Dr. Mohamad Rahmanian, Jeffrey Robb, Charles Salerno, Daniel Sheier, Dr. Eric Shimomura, Dr. Teri Stockham (promoted), Dr. David Turriff, Dr. Karl Verebey, Dr. William Wingert, and Dr. Allan Xu.

ASSOCIATE: George Dimitrious, Dr. Gregory Grinstead, Dr. Judy Strickland, and Frank Wallace.

STUDENT: Patrick Carpenter, Monica Hernandez and Edward Phalen.

ATTENTION STUDENT AND AFFILIATE MEMBERS - Do you now qualify for promotion to affiliate or full membership status? Contact Secretary Alphonse Poklis for further information.

* * * * *



----- Pausing for a moment after the recent Board meeting in Anaheim are SOFT officers (right to left) President Bill Anderson, Vice President Jeanne Beno, Secretary Al Poklis and Treasurer Mark Lewis. Al and Mark are the officers responsible for maintaining an accurate, current membership list. Do you want these men looking for you?

COMING ATTRACTIONS - TOXTALK

The June issue is already promising to be a full one. Secretary Poklis should have the new Membership Directory ready for distribution. Chip Walls has already submitted more entries for his "Journal Club." Let us know if you liked the "Information on Selected Drugs" on pages 5 and 7 of this issue. Similar submissions from members would be appreciated.

As noted in the enclosed survey on infant cocaine deaths, we would particularly like to include some case notes on this subject. Please submit a short summary of any such cases your laboratory has experienced. These should be sent directly to Editor Monforte (address on front page). Individual laboratories will not be identified.

A.B.F.T. UPDATE

Submitted by: J. Monforte, Ph.D.

The election of officers of the American Board of Forensic Toxicology, Inc., took place at the A.A.F.S. meeting in Anaheim. The officers serving a one-year term effective July 1, 1991 are:

President - Yale H. Caplan, Ph.D.
Vice President -
Joseph R. Monforte, Ph.D.
Secretary/Treasurer -
Richard W. Prouty, B.S.

Congratulations to Dr. Graham Jones who will begin serving as a Director on the A.B.F.T. effective July 1, 1991.

The Forensic Toxicology Specialist certification pathway is now in place. The brochure enclosed with this issue of ToxTalk describes the procedure. Remember, the first step is to successfully write the NRCC examination.

TOXTALK CASE NOTES

31 YO BM recently released from psychiatric center, found dead in unfurnished "low rent" apartment. Beside the body was one styrofoam cup with approx. 1 gram of long needle shaped crystals and two empty 11 oz. aerosol cans of RAID ANT & ROACH Killer, 1% Propoxur, 99% inert ingredients including petroleum distillates.

Autopsy findings: wet, heavy lungs, yellow oily liquid in gastric, numerous roach bites to hands and face.

Mild decomposition changes.

<u>Toxicology:</u>	<u>Isopropanol</u>	<u>Acetone</u>
Blood	0.08g%	0.03g%
Ocular	0.06g%	0.04g%
Bile	0.12g%	0.02g%
Urine	0.06g%	0.05g%

HRCGC/MS analysis of the oily liquid from the gastric contents produced results confirming a petroleum distillate consistent with weathered kerosene. Further analysis of the crystals from the cup and the gastric liquid confirmed 2-(1-methylethoxy)phenol methylcarbamate. (Propoxur, Baygon). The commercial product contains approx. 15% isopropanol as a carrier for the pesticide, the balance being kerosene.

33 yo bm became agitated and had to be subdued, died in restraints at a state psychiatry hospital. Pt had recently started taking mesoridazine(150mg po bid for 1 week) and Lithium(900mg po bid the day before). Postmortem blood and ocular Lithium concentrations were less than 1 mmole/L.

Specimen:	Compound	Concentrations:
Aortic blood	mesoridazine	<0.1mg/L
Aortic blood	sulforidazine	<0.1mg/L
Heart blood	mesoridazine	0.15mg/L
Heart blood	sulforidazine	0.13mg/L
Liver	mesoridazine	0.55mg/Kg
	sulforidazine	none detected
Brain	mesoridazine	<0.4mg/Kg
	sulforidazine	none detected
Lung	mesoridazine	1.5mg/Kg
	sulforidazine	1.1mg/Kg

all assays were done by GC/MS using triflupromazine as the IS.

C.O.D. was listed as Asphyxia to manual compression of his neck and chest. Manner of death was listed as Homicide.

Edited by: H. Chip Walls

INFORMATION ON SELECTED DRUGS: BENZODIAZEPINES

Submitted by H. Chip Walls

<u>Generic Name</u>	<u>Trade Name</u>	<u>% Bio</u>	<u>Peak Levels (hrs)</u>	<u>Protein Binding</u>	<u>Vd (L/kg)</u>	<u>Metabolites (see attached sheet)</u>	<u>T1/2(hours)</u>	<u>pKa</u>	<u>Generic Name</u>
Alprazolam	Xanax	80	1 to 2	68 to 74%	1.6	a	6 to 26	2.4	Alprazolam
Brotizolam	not avail. in U.S.					b			Brotizolam
Chlorodiazepoxide	Librium	100	0.5 to 3	96.5%	0.3	c	5 to 30	4.6	Chlorodiazepoxide
Clobazam	not avail. in U.S.		1.3	85%	1	d	10 to 58		Clobazam
Clonazepam	Clonopin	98	1-4	85.4%	3.2	e	39	1.5 and 10.5	Clonazepam
Chlorazepate (di or mono) potassium	di-Tranxene mono-Azene		1 to 2	97	1	f	1.1 to 2.9	3.5	Chlorazepate (di or mono) potassium
Diazepam	Valium	100	0.5 to 1.5	98.7%	1.1	g	20 to 70	3.3	Diazepam
Flunitrazepam	not avail. in U.S.	80-90%	within 4	78%	4	h	20	1.8	Flunitrazepam
Flurazepam	Dalmane	100	3 to 6	97.2%	3.4	i	2-3	1.9 and 8.2	Flurazepam
Halazepam	Paxipam		1 to 3			j	14		Halazepam
Lorazepam	Ativan	83 to 100	Oral:2-5 I.M.: 1-1.5	89 to 93%	1.0 to 1.3	k	8 to 25	1.3 and 11.5	Lorazepam
Loprazolam	not avail. in U.S.					l	7		loprazolam
Midazolam	Hypnovel Versed	35 to 44 iv(rapidly)	20 to 50 min	>95%	0.8 to 1.5	m	2 to 5	6.2	Midazolam
Nitrazepam	Mogadon		.5 to 4	86 to 88%	1.6 to 2.2	n	23 to 29	3.2 and 10.8	Nitrazepam
Oxazepam	Serax	>90	1 to 4	95.5 to 100%	0.7 to 1.3	o	5.4 to 9.8	1.7 and 11.6	Oxazepam
Prazepam	Verstram		6	97%	9.3 to 19.5	p	0.6 to 2.0	2.7	Prazepam
Quazepam	Doral	rapidly	2.5 to 3	95%	5 to 8.6	q	25 to 41		Quazepam
Temazepam	Restoril	>80	2 to 3	97%	.75 to 1.37	s	10 to 16	1.6	Temazepam
Triazolam	Halcion	55	.75-3	89 to 92%	0.7 to 1.5	t	2.3 4.3 for obes 3.9 for metab.	1.5 6.5	Triazolam

Compound: Alprazolam ^a	Metabolite(s): alpha-hydroxyalprazolam a benzophenone, desmethylalpraz. 4-hydroxyalprazolam
Brotizolam ^b	N/A
Chlordiazepoxide ^c	demoxepam, desmethylchlor. desmethyldiazepam, oxazepam
Clobazam ^d	N/A
Clonazepam ^e	7-acetamidoclonazepam 7-aminoclonazepam
Clorazepate ^f	desmethyldiazepam(nordazepam) oxazepam
Diazepam ^g	desmethyldaizepam(nordazepam) oxazepam temazepam
Flunitrazepam ^h	N/A
Flurazepam ⁱ	N-desalkylflurazepam didesethylflurazepam monodesethylflurazepam N(2-hydroxyethyl)flurazepam
Halazepam ^j	nordiazepam 3-hydroxyhalazepam oxazepam
Lorazepam ^k	ITSELF-this is a metabolite
Loprazolam ^l	N/A
Midazolam ^m	1-hydroxymethylmidazolam 4-hydroxymidazolam
Nitrazepam ⁿ	7-acetamidonitrazepam 7-aminonitrazepam 2-amino-5-nitrobenzophenone
Oxazepam ^o	ITSELF-this is a metabolite
Prazepam ^p	desmethyldiazepam 3-hydroxyprazepam oxazepam
Quazepam ^q	NA
Temazepam ^r	oxazepam
Triazolam ^t	1-hydroxymethyltriazolam 4-hydroxytriazolam 1-hydroxymethyl-4-hydroxy- triazolam

THE JOURNAL CLUB

Submitted by: H. Chip Walls, Toxicology Lab, Rm 706,
600 South State St., Syracuse, NY 13202 (315-435-3802)

It is the intent of this on-going feature to call attention to unusual or highly interesting articles, not a systematic review of selected journals such as available through other recognized sources. Citations 1-78 appeared in earlier issues of ToxTalk. You are encouraged to send contributions for this column to ToxTalk. Be sure to include proper citation or source address/telephone number.

It would seem from articles in this and previous reviews that the handwriting is on the wall; no longer is a blood concentration "good enough". The site of collection, free -v- bound, parent to metabolite ratios, tissue distribution, and enantiomers are becoming essential to the correct interpretation. The next 2 items may be of particular interest:

79. STEREOSELECTIVITY IN THE ACTION OF DRUGS. Ariens, EJ; Pharmacology & Toxicology 64:319-320, 1989.

80. ENANTIOSELECTIVE ASPECTS OF DRUG ACTION AND DISPOSITION: THERAPEUTIC PITFALLS. Jamali, F, Mehvar, R, and Pasutto, FM; J Pharm Sci 78(9), 1989.

81. THE EFFICACY OF PREEMPLOYMENT DRUG SCREENING FOR MARIJUANA AND COCAINE IN PREDICTING EMPLOYMENT OUTCOME. Swerling, C; JAMA, 264(20), 1990.

82. GAS CHROMATOGRAPHIC-ELECTRON-IMPACT MASS FRAGMENTOMETRIC DETERMINATION OF LYSERGIC ACID DIETHYLAMIDE IN URINE. Paul, BD; J Chrom 529:103-112, 1990. A navy drug testing lab's fine-tuned approach to LSD confirmation.

83. APPLICATION OF GAS CHROMATOGRAPHY/MASS SPECTROMETRY INSTRUMENT TECHNIQUES TO FORENSIC URINE DRUG TESTING. Lehrer, M; Clinics in Lab Med 10(2), 1990.

The following three articles are reviews on stereochemistry, analytical and pharmacological aspects:

84. ENANTIOSPECIFIC ANALYTICAL METHODOLOGY: APPLICATIONS IN DRUG METABOLISM AND PHARMACOKINETICS. Hutt, AJ; Progress in Drug Metabolism Volume 12, Chapter 6, 1990.

85. CHIRALITY CLINICAL PHARMACOKINETIC AND PHARMACODYNAMIC CONSIDERATIONS. Lee, E and Williams, K; Clin Pharmacokinetics 18(5), 1990.

86. ENANTIOSELECTIVE ASPECTS OF DRUG ACTION AND DISPOSITION: THERAPEUTIC PITFALLS. Jamali, F, Mehvar, R, and Pasutto, FM; J Pharm Sci 78(9), 1989.

87. SIMPLE HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC METHOD FOR THE ANALYSIS OF THE NON-DEPOLARIZING NEUROMUSCULAR BLOCKING DRUGS IN CLINICAL ANAESTHESIA. Bjorksten, A, Beemer, G, and Crankshaw, D. J Chrom 533:241-247, 1990.

88. CLINICAL PHARMACOLOGY OF THE NEUROMUSCULAR BLOCKING AGENTS. Larijani, G, Gratz, I, Silverberg, M, and Jacobi, A; DICP, Annals Pharmacotherapy 25, 1991.

89. CHROMATOGRAPHY OF DRUGS AND OTHER TOXIC COMPOUNDS. J Chrom V 531, 10/12/90. An entire volume devoted to drug analysis from pharmacokinetics to benzodiazepines.

* * * * *

Would a colleague appreciate receiving information on SOFT membership? Contact Dr. Alphonse Poklis, SOFT Secretary, for membership forms. Telephone 804-786-0272 during business hours (E.S.T.)

**SOCIETY OF FORENSIC TOXICOLOGIST
20th ANNUAL BUSINESS MEETING
MELVILLE, NEW YORK
SEPTEMBER 14, 1990**

President, Dr. Robert Bost, called the meeting to order at 3:45 p.m., EST, and requested that the Secretary, Dr. Alphonse Poklis, determine if a quorum was present. A quorum was established by a show of hands.

The president asked that the agenda be approved as published with one amendment, nominations from the floor will be accepted after new business, prior to the election of officers. There was no opposition. The chairman reported that the minutes of the 1989 business meeting had not been received from former Secretary Pinder in time for publication or distribution to the members. Therefore, Secretary Poklis was asked to read the minutes (attached). Following the reading of the minutes, President Bost asked for corrections or additions to the minutes. Dr. Pat Fields noted that the meeting had started at 10:55 a.m., not 10:55 p.m. This correction was noted. President Bost called for approval of the corrected minutes. The minutes were approved.

President's Report: Dr. Robert Bost

President Bost noted that much of the activity of the Society this past year was the result of work by various committees whose reports will be presented at this meeting. He noted that the Board of Directors is concerned with the impact of CLEA-HICV regulations on forensic toxicology laboratories and the Society is concerned about the use of hair in forensic drug testing. The Board of Directors has made the Forensic Laboratory Guidelines Committee a standing committee of the Society.

Treasurer's Report: Mark Lewis

Treasurer Lewis reported that the Society had completed changing from a fiscal to a calendar year. He stated the Society is financially sound. The 1989 financial statement, 1990 assets and expenses through June 21, 1990, and the 1991 budget were presented and reviewed for the members (attached). With the exception of the hotel deposit for this meeting, all 1990 expenditures have been within the 1990 budget projections. The Educational Research Award (ERA) fund has a balance of \$42,000, as the Board of Directors approved the addition of \$20,000 from the general operating account into the ERA fund (attached). Funds for this allocation represent profits from the 1988 SOFT Chicago meeting.

Secretary's Report: Dr. Alphonse Poklis

Secretary Poklis reported that the Society database had been updated and that the new Directory of Membership was in the process of being completed for publication. The mail ballots on the Forensic Laboratory Guidelines Committee was counted: 92 to accept the Guidelines, 3 opposed.

Vice President's Report: Dr. William Anderson

Vice President Anderson called for the following committee reports; TOX TALK Editor, Dr. Joseph Monforte, reported issues were sent to 329 members and with Board approval one non-member, who pays a \$15 annual subscription fee. TOX TALK was within its \$3,700 annual budget, the first 3 issues of the year cost only \$1,800. Dr. Monforte reported the format is changing to include more case reports and other professional material in addition to news. Dr. Monforte cited the September issue as an example of these changes. He thanked Vickie Watts and Chip Walls for their continued contributions and reported that Dr. Brad Hepler had been added to the TOX TALK staff. The report was accepted.

Dr. Anderson announced there was no reports from the By-Laws and DUID committee.

Budget, Finance and Audit Committee Chairman, Dr. James Valentour, reported that after reviewing all Treasurer Lewis' records, including journals, ledgers, certificates of deposit and IRS 990 forms, all financial transactions and records were in proper order. Drs. Tim Rochig, Robert Eberhardt and Neil Reading assisted Chairman Valentour. The report was accepted.

Vice President Anderson announced that there is no reports from the Grants and Endowments Committee.

ERA Committee Chairman, Dr. Michael Schaffer, reported six applications for ERA support had been received and of these three were recommended for funding; Nancy Halley, Gary Kunsman and Philip Kemp (attached). Dr. Schaffer's three-year term on the committee has expired. He thanked his committee members, Drs. Michael Carlo and Michael Evans for their assistance. The report was accepted.

Legislation, Research and Reporting Committee Chairman, Halle Weingarten, was not present; however, Vice President Anderson read her written report (attached). The committee noted that the most significant development in legislation has been CLIA 88 and how it may affect laboratories functioning as part of the law and justice systems. The report was accepted.

The Forensic Laboratory Guidelines Committee report was given by Dr. Joseph Monforte in place of Committee Chairman Dr. Michael Peat. Dr. Monforte reported the committee has created an evaluation "check list" to accompany the Guidelines. The check list is presently being evaluated in the laboratories of committee members. The Board of Directors has designated the Guidelines Committee be a standing committee of the Society. The report was accepted.

The Meeting Resource Committee Chairman, Dr. Horton McCurdy, called on 1990 meeting Chairman, Michael McGee, to present the 1990 report. Mr. McGee stated that while the scientific sessions were completed, three workshops would be conducted Saturday (tomorrow) morning. Dr. McCurdy asked for and warmly received a show of appreciation from the members for Mr. McGee and his committee. Bill Robinson reported the 1991 meeting in Montreal will be held jointly with the Canadian Society of Forensic Sciences from September 23-27. The first two days will feature workshops followed by scientific sessions. The meeting will be at LeGrand Hotel, Montreal. Chairman McCurdy announced the following meeting sites: 1992, Hartford; 1993, Phoenix; 1994, Atlanta and, hopefully, in 1995 a Midwestern city. The report was accepted.

Secretary Poklis reported for the membership committee that the Society now had 337 members: 34 Charter; 2 Retired Charter; 207 Full; 83 Associates and 11 Students. Since January 1990 the Society has accepted 22 new members; 17 Full and 5 Associates. Presently 10 applications are being processed. He reported that many members, particularly former student members, had been dropped from membership for non-payment of dues. The report was accepted.

Chairman of the Publication Committee, Dr. Vina Spiehler, was not present; however, Vice President Anderson noted the excellent Society issue of Journal of Analytical Toxicology and thanked her for her efforts.

The Health and Safety Committee Chairman, Dr. Jean Beno, reported that the committee had written a summary of the May 1990 OSHA regulations for laboratories which will be implemented in January 1991. The summary was published in the September 1990 issue of TOX TALK. The committee is presently preparing a list of reference text on Occupational Health and Safety. The report was accepted.

The Nominating Committee report was presented by Dr. Nicholas Hodnett. The committee included Drs. Jessie Bidanset, Everett Solomons and James Valentour. The committee recommended the following nominations: President, Dr. William Anderson; Vice President, Dr. Jeannie Beno; Treasurer, Mark Lewis; and Director, Vickie Watts. A brief biography of each has been published in the September issue of TOX TALK. The report was accepted. This concluded the Vice President's report. President Bost thanked all the committees and members for their work.

Old Business

There was no old business.

New Business

President Bost referred to the seminar concerning the current "Applicability of Hair Analysis to Testing for Drugs of Abuse" which was presented earlier at the meeting. He asked if the members wished to take a position on this matter. Dr. Fredric Rieders moved that no action be taken by the Society. After discussion, Dr. Rieders withdrew his motion. Following discussion by the members, Dr. Naresh Jain moved that the Society approve as a Society the Consensus Opinion summarizing the current "Applicability of Hair Analysis to Testing for Drugs of Abuse" which was published in the September 1990 issue of TOX TALK, Volume 14, No. 3., all three pages inclusive. The motion was seconded by Dr. Pat Fields. After discussion, Dr. Tully Speaker moved that an amendment be added to Dr. Jain's motion stating that the Society would review its opinion on hair testing at the next business meeting. The motion was seconded by Dr. Fields. Much discussion followed this motion, those speaking strongly in favor included Drs. Pat Field, Jane Speaker and Irving Sunshine. Those speaking strongly against the opinion statement included Drs. Fredric Rieders, Art McBay and Michael Schaffer. Dr. Pat Field called for the question, As points of information relative to his motion Dr. Tully Speaker noted; 1) the opinion statement had been mailed to all members and discussed this morning prior to the business meeting, and 2) the opinion statement concerns hair testing related to employment or pre-employment drug testing. Both the amendment and the motion passed.

Dr. Irving Sunshine recommended that the Society contact the Toxicology Section of the American Academy of Forensic Sciences and ask if they could include a session on hair analysis in their upcoming program.

Michael McGee moved that an ad hoc committee be created to prepare a bibliography on hair analysis and that it be published in TOX TALK. The motion was seconded and passed without discussion. Drs. Irving Sunshine and Art McBay volunteered to serve on this committee.

Secretary Poklis related that Dr. Donna Bush from NIDA was willing to mail the NIDA Monograph on Hair Drug Testing to all Society members when published.

Dr. Elizabeth Marker recommended the Society purchase a "lap-top" computer for meetings to assist in registration.

Nominations and Elections of Officers

President Bost called for nominations from the floor for the offices of President, Vice-president, Treasurer and Board of Directors. None were forthcoming. A motion was made to unanimously accept by acclamation the candidates for office recommended by the Nominating Committee. The motion was seconded and unanimously accepted. Congratulations was extended to the new officers.

Announcements

Dr. Pat Fields invited all members to attend the American Academy of Forensic Science Meeting in Anaheim, California.

President Bost announced the Society President's Reception will be held in Palm Room B.

Adjournment

Dr. Shaffer moved for adjournment. The motion was seconded and passed. The meeting adjourned at 5:26 p.m., EST.

Alphonse Poklis, Ph.D.
Secretary, March 20, 1991

* Congratulations, Dr. Marina Stajic - new A.A.F.S. President-Elect *

ELMER GORDON OPEN FORUM - AN OPPORTUNITY FOR INFORMAL DIALOGUE

CONDOLENCES to Dick Prouty whose wife, Peggy, died 3/15 and Vicki Watts whose father recently deceased. SOFT extends its deepest sympathies to both Dick and Vicki.

FROM VICKI WATTS: I want to express my heartfelt appreciation to my fellow SOFT members for your support, the beautiful floral arrangements, and memorial contributions to the ERA in honor of my father. Your kindness has meant a great deal to me and my family at this difficult time and will not be forgotten. Thank you.

CAREER OPPORTUNITIES

ToxTalk will advertise available positions at no cost as a service to our members. Send the information to Editor Monforte or call 313-884-4718.

DEPUTY CHIEF FORENSIC TOXICOLOGIST for MEO office; Ph.D. with 3 yrs forensic toxicology experience, DABFT desirable; salary 40-50K. Contact Timothy Rohrig, Ph.D., Office of the Chief Medical Examiner, 901 N. Stonewall, Oklahoma City, OK 73117 (405-239-7141).

Full-time SUPERVISOR for forensic toxicology program at NIDA-certified laboratory. Contact Human Resource Department, South Bend Medical Foundation, 530 N. Lafayette Blvd., South Bend, IN 46601 (219-234-4176)

Experienced, credentialed FORENSIC CHEMIST to analyze specimens submitted by local law enforcement agencies; \$27,560 - 32,844/yr. Contact Robert C. Bagley, Director Lab/Admin, City of Racine Health Dept. 414-636-9493

BS or MT with M.E. experience, GC, GC/MS, forensic urine drug screening; NIDA-certified lab. Excellent salary and benefits. Sign-on bonus and moving expenses. Contact: Dr. Michael Schaffer, Doctors & Physicians Lab, 801 E. Dixie Ave., Leesburg, FL 34721 (Telephone: 1-800-342-9520)

Ph.D. TOXICOLOGIST for NIDA-certified lab, experience with GC/MS and Hitachi 717 preferred. Salary negotiable, benefit package. IMMEDIATE OPENING. Contact Jude Baker 1-800-848-4245 Columbia BioMedical Lab, S.C.

PROFESSIONAL CALENDAR

CALIFORNIA ASSOCIATION OF TOXICOLOGISTS quarterly meetings and workshops: For information contact Susan Knight, ToxiLab, Inc., 2 Goodyear, Irvine, CA 92718 (1-800-854-0277) or Thomas Sneath, National Toxicology Labs, 3101 16th St., #107, Bakersfield, CA 93301; (805) 322-4250.

* * * * *
* S.O.F.T. 1991 ANNUAL MEETING: Sept. 23-27, 1991 - Montreal, Canada *
*
* Joint meeting with the Canadian Society of Forensic Sciences at the *
* Grande Hotel. Further information in this issue of ToxTalk. SOFT *
* liaison: D. William Robinson, B.S., Centre of Forensic Sciences, *
* 25 Grosvenor Street, Toronto, CANADA M7A 2G8 (Tel: 416-965-9507) *
* * * * *

Future SOFT meeting sites: 1992 - Connecticut (N. Reading)
1993 - SOFT/CAT Phoenix (V. Watts)

Society of Forensic Toxicologists, Inc.

1991 S.O.F.T DUES NOTICE

MEMBERSHIP PERIOD: January 1, 1991, to December 31, 1991

Now that SOFT has converted to a calendar fiscal year, your dues for 1991 are DUE AT THIS TIME. To keep your membership current, please submit your check BEFORE FEBRUARY 15th. Individual notices, including a late fee, will be mailed after February 15th.

Retain this top portion for your records.

1991 SOFT dues paid: AMOUNT \$ _____ DATE _____ CHECK NO. _____

=====
Complete, cut off, and mail this portion with your check

NAME _____

ADDRESS _____

_____ Zip Code _____

Telephone (_____) _____ FAX (_____) _____

Address same as printed label? Yes No

If you do not wish to renew your SOFT membership, please check here and return this sheet with your name and address to Treasurer Lewis.

\$ _____ DUES: _____ \$35 Full _____ \$35 Associate
_____ \$15 Students _____ \$0 Retired

\$ _____ Educational Research Award fund contribution

\$ _____ + \$7.00 LATE FEE (applicable after February 15, 1991)

\$ _____ Total Enclosed Make your check payable to S.O.F.T.

Mail to: Mark B. Lewis, B.S.
S.O.F.T. Treasurer
24 Rip Van Lane
Ballston Spa, NY 12020

Do not write below:

Date received _____ Check No. _____ Member No. _____

Copy to secretary _____



SURVEY TO ASSESS COCAINE INVOLVEMENT IN DEATHS

OF INFANTS TWELVE MONTHS OF AGE OR LESS

1. The laboratory routinely tests for cocaine/cocaine metabolites in infants 12 months of age or less Yes No
2. The laboratory tests for cocaine/cocaine metabolites in infants 12 months of age or less only upon request Yes No
3. The approximate number of infant cases tested per year. _____
4. Please provide the following information on infants TESTING POSITIVE for cocaine/cocaine metabolites:

	<u>Mechanism of Ingestion*</u>	<u>Cause/Manner of Death</u>	<u>Specimen Cocaine/metabolite Concentrations**</u>
EX:	Breast milk	Cocaine intox/Acc	Blood - Cocaine: not detected Blood - BE: 25 ng/mL Kidney - Cocaine: 10 ng/gm Kidney - BE: 50 ng/gm
A.	_____	_____	_____
B.	_____	_____	_____
C.	_____	_____	_____
D.	_____	_____	_____
E.	_____	_____	_____
F.	_____	_____	_____

G. *Examples: breast milk, passive inhalation of smoke, unknown
**Please provide cocaine/cocaine metabolite concentrations for all specimens tested

Optional: (name Submitted by _____
 and lab will not Laboratory _____
 be identified)

Complete and mail BEFORE MAY 15, 1991 to: J. Monforte, ToxTalk Editor,
 1013 Three Mile Drive, Grosse Pointe Park, MI 48230-1412



M E M O R A N D U M

DATE: April 19, 1991
TO: Editor Monforte
FROM: Patricia Mohn-Monforte, ToxTalk, Publications Editor
RE: MARCH 1991 TOXTALK - PRODUCTION REPORT

365 issues of the MARCH 1991 issue of TOXTALK were distributed 4/18/91.

347 U.S. bulk* : 344 members, 2 subscriptions, 1 comp.
15 Canada (1st class)
3 Bermuda, Swiss, Netherlands (1st class)
365 Total distributed - (last issue, 342)

EXPENSES:

\$ 53.49 additional postage**
20.00 computer fee (eliminates typesetting)
310.89 printing (to be paid directly to printer)
20.54 misc.
420.00 publication editor fees
30.00 outside services

\$654.92 Total (Does not include pre-paid bulk stamps and envelopes)

\$2.75 = estimated cost per SOFT member

COMMENTS:

This was another 12-page issue, which has become our standard expectation. Chip Walls contributed 4 pages of technical information; the 1990 Annual Minutes required 3 pages, and Treasury Notes used nearly a full page encouraging members to pay their dues and keep addresses current. I would expect by June 1st, the membership list will be reduced due to unpaid dues. There were 5 inserts: SOFT meeting information and call for papers, dues notice, survey (cocaine and infant deaths), and ABFT brochure.

** The ABFT brochure was oversized with an insert and printed on exceptionally heavy paper. The weight of this item brought ToxTalk over the normal allowable bulk rate. Editor Monforte has authorized me to bill ABFT Treasurer Monforte \$53.49, postage fee SOFT paid in addition to the pre-cancelled stamps.

Although inserts are a bit of a nuisance and require more work, they will be encouraged because this is the best way to get information to SOFT members. It is also very cost effective. Example, the mailing shortly after the last Board meeting to distribute the JAT/SOFT Call for Papers cost SOFT nearly \$200.

*Note - basic bulk rate, pieces less than 3 oz., is now \$.198 each, increased from \$.167 each, so we can expect an increased amount paid for postage in the future.

EVERYONE: Please complete the cocaine babies survey and submit 1 case report or find someone who has had a case to submit a report

AL - Thanks for sending the minutes. Also, D. MARCOVICH has duplicate labels.

c: W. Anderson, M. Lewis, A. Poklis, C. Walls, V. Watts & B. Hepler

