

Tox Talk

Newsletter



News for and about Members of the Society of Forensic Toxicologists

Volume IV

September 1980

Issue Number 3

President's Message

My year as President is nearing a close. The business meeting of the annual meeting will mark the election of a new slate of officers to take office January 1st. My Board has worked diligently to provide the leadership of this organization. I want to take this opportunity to thank them for their work on your behalf. The activities of the past year will culminate with a joint meeting with the Canadian Society of Forensic Sciences in Toronto September 30 to October 3rd. The success of this meeting and the year's activities will be partially measured by the SOFT attendance. Plan to attend the meeting. Take an active part in discussions, presentations and the business meeting and enjoy the social aspects of the meeting.

We are celebrating our 10th annual meeting. We first met at the Nassau County Office of the Medical Examiner in October of 1970. Abe Freireich was the host and we called it an interim meeting (between AAFS meetings). We slowly formalized the organization and today we have goals and objectives which represent only the forensic toxicologist. No other organization serves only that group. As a forensic toxicologist, shouldn't you be supporting the organization. Keep SOFT growing (bring in some new members) so that we can continue to prosper and serve the interests of the forensic toxicologist.

I'm particularly proud of our program in obtaining funds to support research in forensic toxicology. If you are employed by or belong to an organization or know of a manufacturer who has educational or research funds, please tell us so that we can make them aware of our program.

As we return to a normal work schedule from our summer of 1980, let me wish all of you a productive and satisfying year.

Best Regards,
Len Bednarczyk,
President

Editorial

Perhaps it's just summer time or perhaps no one reads editorials or maybe nobody really cares to respond. My mail was totally devoid of any response to the July editorial. This apparent apathy (the complaint of most newsletter editors) leads me on to yet another "soap box" - What is the direction of our organization? Who will lead?



PRESIDENT

LEONARD R. BEDNARCZYK
DADE COUNTY MEDICAL EXAMINERS OFFICE
1050 NW 19 STREET
MIAMI, FLORIDA 33136

VICE PRESIDENT

YALE H. CAPLAN
OFFICER OF THE CHIEF MEDICAL EXAMINER
111 PENN STREET
BALTIMORE, MARYLAND 21201

SECRETARY

EVERETT T. SOLOMONS
GEORGIA STATE CRIME LABORATORY
P.O. BOX 1456
ATLANTA, GEORGIA 30301

TREASURER

JOSEPH BALKON
LONG ISLAND JEWISH MEDICAL CENTER
P.O. BOX 38
GLEN OAKS, NEW YORK 11004

BOARD OF DIRECTORS

RANDALL C. BASELT
ARTHUR McBAY
LEO A. DAL CORTIVO
JOSEPH MONFORTE
JAMES VALENTOUR

NEWSLETTER EDITOR:

JESSE H. BIDANSET Ph.D
(212) 692-4794

Our constitution, by-laws and incorporation papers clearly indicate our purposes as an organization. Those purposes serve only as guidelines. What are the immediate problems that face forensic toxicologists? How can a responsive organization such as SOFT pinpoint these problems and then establish programs to meet these specific needs? One way is to elect officers that reflect your thinking and express ideologies closest to your own. Elsewhere in this publication, the nominating committee has listed willing candidates for each opening in our slate of officers to be filled. Nominations from the floor are still possible and encouraged. Just last year the office of secretary was filled by a candidate nominated from the floor. It's your organization. Let's not hear a month from now that a slate of officers was "steam-rolled" into office.

Come to the annual meeting. Take an active part in the elections and the business meeting and make SOFT take the direction you, the membership, desire. Don't sit back and criticize the Board of Directors. Elect them and then communicate with your elected officials. The organization certainly can't "please all of the people all of the time" but it should provide a responsive program for the majority of the membership.

LETTER TO THE EDITOR

Dear Jesse:

It is noted in the recent SOFT Newsletter that at the Board of Director's meeting a discussion took place as to whether the degrees of the Board members should appear on the SOFT stationery.

It has always been my opinion that SOFT was to be a forum for the "working toxicologist", many of whom were not as fortunate as us to have advanced degrees. It appears to me that the use of degrees on the letterhead is a kind of "slap in the face" to these individuals...who by the way, make up a majority of the SOFT membership.

If we want SOFT to become another Academy of Forensic Sciences - fine! Put the degrees on the letterhead. If, however, we want SOFT to be the informal organization we started 10 years ago, then save the degrees for the ends of letters.

Sincerely,
Thomas J. Manning, B.S., M.S.,
Ph.D., DABFT

Editor's Response

Thanks for your letter, Tom. As the mover of the motion which prompted your response, I will try to answer for the board. I would first draw your attention to the letterhead upon which you wrote to me - the M.D.'s and Ph.D.'s are clearly indicated. This I'm sure was not done to "slap anyone in the face". SOFT and NCOME both must correspond with individuals and organizations who know nothing about our respective groups or the caliber of its members. The letterhead should therefore indicate what and who we are. Particularly when communicating with government and legal agencies, the degrees of achievement of the leaders of any organizations are considered in evaluating that group. For example, we have been able to obtain funds to support graduate research in forensic toxicology. The pharmaceutical and chemical companies approached for funds, knew little about SOFT or its membership - the letterhead was the first image we presented.

At no time has this or any other executive board tried to do anymore than present the best positive image of our organization. At no time was any affront to the membership remotely intended.

Jess

Society of Forensic Toxicologists, Inc.
Administrative Officers Meeting
Baltimore, Maryland - July 18, 1980

The meeting was called to order by President L. Bednarczyk at 9:40 AM. Those attending were: President Leonard Bednarczyk; Vice President Yale Caplan; Treasurer Joe Balkon; and Secretary Everett Solomons.

Tax Exempt Status

This problem has still not been resolved. R. Simon will make a report at the annual meeting in Toronto.

Membership Committee

Pres. Bednarczyk pointed out that application processing has been unacceptably slow. A letter from Committee Member H. McCurdy has indicated a problem with communication.

Several suggestions were made with regard to membership and applications for membership including:

1. A specific procedure be established for application processing.
2. A deadline of thirty days be established for processing of routine applications.
3. A file for each member be maintained which would contain:
 - a. the original application
 - b. a copy of notification of acceptance or rejection of membership
 - c. any other pertinent information
4. The Secretary was charged with the responsibility of drawing up a form to be used for application processing by the Committee which would include:
 - a. name of applicant
 - b. date of application
 - c. recommendation of reviewer as to membership status
 - d. remarks
5. The Membership Committee Chairman is responsible for notifying the Secretary as to the final judgment of the Committee; the Secretary in turn should send a letter of notification to the applicant and copies to the President, the Treasurer, and the Editor of the Newsletter.

6. It was further suggested that a flow plan be drawn up depicting the membership application process.

Publicity

The Publicity Chairman, Ron Backer, has placed appropriate notices in JAT, J. Anal. Chem., J. Forensic Sci., and other publications concerning the forthcoming meeting in Toronto. Other announcements concerning activities of SOFT, Inc. will be made also.

Another Joint Meeting

President Bednarczyk indicated that the American Association of Clinical Toxicologists has written and asked that consideration be given to a combined AACT-SOFT meeting in 1985 or '86. The consensus was favorable and final approval of the Board will be sought in Toronto.

Funding for Tox Talk

President Bednarczyk pointed out that J. Bidanset has been asked to seek financial support from pharmaceutical houses, government agencies, or other agencies as necessary to subsidize the cost of the newsletter. Some success has already been achieved in that Roche Diagnostics has offered financial aid.

New Format for Tox Talk

J. Balkon displayed a representative cover sheet which would be used to give Tox Talk an improved appearance. The new format was received well by those present and will be presented at a later date to the Board for final approval.

Timeliness of Publication of Tox Talk

This is still a problem and may be in part due to the fact that the Editor has to personally type the Newsletter. Solomons offered to provide assistance in getting the Newsletter typed.

Dues Increase

Treasurer J. Balkon pointed out that the proposed budget for 1980-81 projected a very narrow margin of only \$82.21 (see attached copy). Increased expenses are in part due to:

- a. expense of publishing Newsletter
- b. cost of travel for business meetings
- c. increased expenses associated with the Annual Meeting

It was noted by Y. Caplan that if any unexpected necessary expenditures should arise, the organization could be financially unprepared to meet them.

Pres. L. Bednarczyk proposed a dues increase from the present \$20.00 to \$30.00. This was generally agreed upon by those present.

SOFT Honor Society

J. Balkon proposed a SOFT, Inc. sponsored National Honor Society of Forensic Toxicology be established to honor outstanding students of this discipline. Joe was encouraged to proceed with this endeavor and will construct guidelines and by-laws for the proposed society.

Education Award

Although the first SOFT Education Award recipient has been chosen, several details regarding the exact title, the purpose of the award, guidelines for application of the money, renewability of the disbursement, and the maximum amount to be awarded a given recipient has yet to be spelled out. J. Balkon suggested, and it was the consensus, that an Award Committee should be established and given the responsibility of defining these details.

Registry of Forensic Toxicology Analysts

Pres. L. Bednarczyk brought to our attention a copy of the proposed Registry

of Forensic Toxicological Analysts by the ABFT, Inc. He noted that a panel discussion on this subject was held at the joint meeting of SAFS, MAAFS, and NEAFS in Louisville, Kentucky in May.

J. Balkon expressed concern that the proposal was released to others before being circulated for examination and comment by diplomates of the AFBT, Inc.

Pres. L. Bednarczyk goes on record as being unequivocally opposed to the concept of a Registry for non-Ph.D. toxicologists because of a potential "diluting effect" on the meaning of ABFT certification.

J. Balkon and Y. Caplan expressed some reservation as to the possible success of establishing a registry.

E. Solomons supports the formation of such a registry as offering an alternative pathway of recognition for capable non-Ph.D. forensic toxicologists.

All present agreed with Pres. Bednarczyk that 3b and 3c under training requirements be deleted and only 3a be accepted.

It was also agreed by all present (as suggested by J. Balkon) that absolutely no grandfathering be allowed.

Recertification

A proposal for requalification of diplomates of the American Board of Forensic Toxicology was discussed. Pres. Bednarczyk has responded for SOFT.

Proficiency Testing

In a recent article describing a grant of \$100,000 to support a program "to assess the performance of the nation's 200 forensic toxicology laboratories" the manager of the program, John O. Sullivan, released statements which generated the concern of Pres. Bednarczyk and the other officers present at this meeting.

The overall tone of the article was such as to arouse concern that a similar program to that formulated by the same agency for testing the proficiency of criminalists might be promulgated in this instance with similar disastrous results.

Some of the pertinent points made by those present at this meeting included:

1. Y. Caplan:
 - a. The study must maintain anonymity
 - b. Mr. Sullivan must be apprised of SOFT's stance concerning the project.
 - c. Recommendations must be drawn up and submitted to J. Sullivan and B. Finkle
 - d. The goal of the project should not be to publicly identify and pronounce the deficiencies of laboratories, but rather to allow self identification of weaknesses which would lead to self-improvement
 - e. Finally, SOFT, Inc. must take a stance for or against the project
2. Pres. Bednarczyk insists that Mr. Sullivan must give assurance that the money is to be used for research and the data should not be made public!
3. J. Balkon suggested that Pres. Bednarczyk call R. Baselt (Pres. CAT) to request that he and his organization reinforce the position of SOFT, Inc. on this issue.

Toronto Meeting

J. Balkon pointed out that the Syva Corporation has offered \$500.00 for the purchase of mementos to mark the 10th anniversary of SOFT. In return, Syva

requested that an exhibit be allowed in a prominent location at the meeting. Y. Caplan suggested that Syva be written and notified that an attempt would be made to cooperate with this request if logistically possible, but if not, it would be hoped that the \$500.00 donation could still be made.

A tentative general outline of the program for the 1980 meeting was presented by Pres. Bednarczyk. Many of the details are yet to be delineated.

A tenth anniversary cocktail party to be held after the banquet scheduled Thursday evening was agreed upon.

J. Balkon proposed and Pres. Bednarczyk accepted the responsibility for preparing a special letter from the President of SOFT, Inc. inviting members to the tenth anniversary meeting.

The meeting was adjourned at 5:00 PM.

Respectfully submitted,
Everett T. Solomons, Ph.D.
Secretary, SOFT, Inc.

A Proposal for Requalification of Diplomates
of the American Board of Forensic Toxicology

Introduction

During the past three years, the Board of Directors of the American Board of Forensic Toxicology, Inc. has actively studied the problem of Recertification in many ways. A Committee appointed by the Board was charged with the task of developing a workable mechanism for "Recertification". Both solicited and unsolicited suggestions from Sponsoring Organizations and individual Diplomates were considered. The Committee studied the plans for recertification being developed by other, similar certification boards. Many boards are still in the process of developing plans or have deferred decisions regarding recertification. A few have developed exceedingly complex and costly mechanisms which are difficult to implement.

In addition, over the past four years during which the Board has acquired experience in certification, it has learned that the practice of forensic toxicology is perceived and carried out in varying ways. This is due in part to geographic and political differences over which the Diplomate has little control. Thus, what a Diplomate does in the laboratory may be similar to the activities of others but how results are used, court appearances, level of funding, support for professional enrichment, etc. depends largely on the agency with which the Diplomate is associated.

Finally, any mechanism to be adopted for monitoring continuing certification must be economically and practically feasible. This is of particular concern at this time when LEAA funding of some ABFT activities will soon end and relocation of administrative services is necessary.

In considering all of these factors, and others, the Board of Directors at its last meeting, adopted guidelines which will aid in a more rapid implementation of a program. The following is a preliminary draft of these guidelines.

General

1. The term "Requalification" was substituted for "Recertification". This was done on the basis that the Diplomate has already been judged to be "certified". The extension of the process should have as its goal to determine whether the Diplomate has maintained qualifications for the acceptable

practice of forensic toxicology.

2. No examination will be required for Requalification.

Requirements for Requalification

Prior to the end of the initial period of certification (or subsequent period of requalification), the Diplomate must show evidence of:

1. Continued good moral character and high ethical and professional standing.
2. Continued professional activity in forensic toxicology as defined for Certification.

Documentation

An application form modeled after the present Certification Application Form will be developed. This form, added to the usual and necessary information, will provide for statements relating to the following (all information will apply to the time period between the Diplomate's original application for Certification and current application for Requalification or approximately five years):

1. Applicant has/has not been convicted of a felony or misdemeanor. (If so, explain.)
2. Applicant has/has not had proved charges of unethical conduct brought forward. (If so, explain.)
3. Formal Courses - list title, date and institution. If a graduate degree was awarded, transcripts must be provided directly from the degree awarding institution.
4. Listing of position(s) held and description of activities involved clearly outlining those tasks directly relating to forensic toxicology.
5. The names of two individuals from whom the Board may solicit statements relating to the applicant's moral, ethical and professional standing. These references should be individuals knowledgeable of forensic toxicology, not directly related to the applicant or occupying subsevient positions in the agency of the applicant. At least one reference must be a Diplomate of one of the forensic science boards.
6. Evidence of continuing professional activities will be solicited by listing these activities and documenting them when appropriate. Relative weights will not be assigned to specific activities. Rather the Board will view the sum of these activities as evidence of continuing involvement in forensic toxicology provided the Board accepts these as activities which enhance the applicant's knowledge and skills in forensic toxicology. Examples of these will include, but not be restricted to, the following:

Court Appearances

Publications

Presentations or Invited Lectures given

Workshops - faculty or participant

Membership in national or regional professional organizations

Offices held, committee work, meetings attended, or other evidence of activity

in national or regional professional organizations

participation in proficiency testing programs

Awards and honors

Other continuing education activities

7. The completed application form and accompanying documents must be sworn to as true, signed and witnessed before a notary public.

Implementation

1. Ten months prior to the expiration of the period of certification, the Diplomate will be sent a notice consisting of an application form and covering letter with instructions.
2. In order to maintain continuity, the Diplomate must submit the application for Requalification not later than six months prior to the expiration of

the period of certification (i.e. four months are allowed for completing and mailing the necessary documents). A late reminder will be sent one month prior to this deadline.

3. Upon receipt of the completed application, a Requalification Committee appointed by the Board will review the documents.

a. Upon unanimous agreement in favor, the Diplomate is requalified.

b. If questions arise, the Requalification Committee will seek clarification by appropriate means and re-review the documents.

c. In the event of lack of agreement by the Requalification Committee or in the case of problems which the Committee cannot resolve, the application will be reviewed by the entire Board after which a majority vote will determine whether the Diplomate is requalified.

4. Upon requalification, the Diplomate will be issued a sealed-in-plastic pocket card attesting to the requalification and a decal which can be applied to the original certificate.

a. Diplomates who fail to apply for requalification or who fail to achieve requalification, will be notified and dropped from subsequent listings in the Directory.

b. In the event that unforeseen events justify delays in requalification beyond the period of original certification, the Diplomate will be suspended without prejudice until the delays can be resolved.

5. The period of requalification will be three years.

6. The application fee for initial Requalification is \$75.00 payable at the time of application.

It is the intent of the Board of Directors to establish a process of Requalification which effectively documents that a Diplomate has continued to devote a significant amount of professional activity to the practice of forensic toxicology as well as to continue to develop knowledge and skills. It is of practical importance to accomplish this goal by a process which will function within certain practical constraints.

To this end, we solicit your comments and criticism. Particularly, we wish to learn your recommendations as to:

1. a minimum full-time equivalent of professional involvement in forensic toxicology during the five years of Certification preceeding Requalification, and

2. the portion of time devoted to continuing education activities as they may relate to improving professional knowledge and skills.

Society of Forensic Toxicologists, Inc.

Treasurer's Report

End of Fiscal Year 1980

I. General Operations	\$ 1432.89
A. Balance as of June 31, 1979	
B. Income Received	
1. General Membership Dues	2910.00
2. Application Fees	175.00
3. Meeting Income	2652.00
C. Total Income	<u>5737.00</u>
D. Total Fiscal Year Assets	7169.89
E. Disbursements	
1. Stationery/Supplies	146.54
2. Workshop Cost	296.00
3. Newsletter	692.23
4. Board of Directors	764.80
5. Postage	80.00
6. Annual Meeting	2728.11

7. Memorial Gift	50.00
8. Legal Fees	300.00
9. Secretarial Expense	50.00
10. Hospitality Suite	280.00
11. News and Views Endowment	100.00
F. Total Disbursements	<u>5487.68</u>
G. Balance as of June 30, 1980	1682.21
II. Grant in Aid Stipend Budget	
A. Balance as of June 30, 1979	1500.00
B. Income	
1. Stipend from Wyeth Labs	<u>100.00</u>
C. Total Income	1600.00
D. Disbursements	
1. First Award	500.00
E. Balance as of June 30, 1980	1100.00

Proposed Budget
For Fiscal 1980-81

I. General Operations	
A. Opening Balance	1682.21
B. Income	
1. General Membership Dues	
Remaining Dues	1600.00
2. Application Fees	100.00
3. Meeting Income	-
4. Syva Endowment for Momento	<u>500.00</u>
C. Total Income	2200.00
D. Total Operating Assets	3882.21
E. Disbursements	
1. Stationery/Supplies	150.00
2. Workshop	300.00
3. Newsletter	1000.00
4. Board of Directors	1000.00
5. Postage	100.00
6. Annual Meeting	-
7. Anniv. Momento	500.00
8. Legal Fees	200.00
9. Secretarial	50.00
10. Hospitality Suite	<u>500.00</u>
F. Total Disbursements	3800.00
G. Ending Period Balance	82.21
II. Grant in Aid Stipend Budget	
A. Balance	1100.00
B. Income	None Anticipated
C. Disbursements	
1. 1981 Award	500.00
D. Balance	600.00

Dues Announcement

The treasurer reminds all delinquent members that dues are slow coming in this year. Please bring your check books to the annual meeting or send those dues in today.

Members to be Dropped

The following individuals will be dropped from the membership roles at the annual meeting for non-payment of dues for more than two years:

Joseph Costa
George Safferstein
Wagdy Wahba
K.D. Sing

Report of the Nominating Committee

In keeping with the bylaws of the SOFT, Inc. requiring a slate of candidates to be published at least 30 days prior to the National meeting, the Nominating Committee submits the following candidates for office for 1981:

President:	Yale Caplan
Vice President:	Joseph Balkon
Treasurer (2 years)	Michael McGee
Board of Directors:	Rosemary Alstott
	Nicholas Hodnett

Additional candidates may be nominated from the floor at the time of the election.

Thomas A. Rejent, DABFT
Chief County Toxicologist

Joint Meeting Preliminary Program Sept. 30 - Oct. 3, 1980

Westbury Hotel, Toronto, Ontario

Wednesday, PM Toxicology & Chemistry

- | | |
|--|-----------------------|
| - Automated Gas Chromatograph Headspace Analysts - Forensic Science Applications | R. McKeag, Toronto |
| - Drug Screening by GC at the 13th Winter Olympics | M. Bertrand, Montreal |
| - Fused Silica Capillary Columns - Applications | G. Strumila, Toronto |
| - Pyrolysis GC Capillary for Paint Analysis | R. Prime, Toronto |
| - GC-MS Applied to Analysis of Drugs | R. Maes, Netherlands |

Thursday, AM Toxicology

- | | |
|--|---|
| - Cannabinoid Analysis in Blood by EMIT | H. Peel & B.J. Perrigo
Ottawa |
| - Clinical Evaluation of EMIT-THC Method | B.M. Kapur & S. Perrin
Toronto |
| - THC Metabolites in Urine | S. Hazan, P. Beaumier
L. McBurney, B. Bobby
Toronto |
| - Forensic Study of Marijuana & Other Drugs in Driving | S.M. Owens & A.J. McBay
Chapel Hill, N.C. |
| - Involvement of Marijuana & Other Drugs in Traffic Fatalities in Ontario | G. Cimbura, Toronto |
| - Evaluation of HPLC for Screening & Quantitation of Benzodiazepines & Acetaminophen in PM Blood | A. Wong, Toronto |
| - HPLC Applied to the Detection of Drugs | I. Sunshine, Cleveland |
| - Separation of Drugs Using Reverse Phase TLC | W.C. Bress, N.Y. |
| - Cardiotoxicity of Tricyclic Antidepressant Drugs | J.H. Hebb, Jr.
Y. Caplan, W.J. Mergner
Baltimore, Md. |

- PrepTM I Automated Sample Preparation for Extraction & Concentration of Drugs in Physiological Fluids

J.L. Viola,
Wilmington, De.

Friday, AM Toxicology

- Simultaneous Determination of Propoxyphene & Nor-Propoxyphene in PM Blood using a semi-automated GC System
- Narcotic Analysis - Extraction Procedures and Derivatization
- Demonstration of Pancuronium Bromide in Tissue
- Detection of Morphine in Urine by Thin Layer Immunoassay
- Methods for Rapid Microdetermination of Drugs in Tissue
- Drugging in Horse Racing - Yesterday, Today & Tomorrow
- Blood & Liver Drug Levels from Fatal Cases
- A Comparison of Results Obtained by Several Digestion Procedures in the Simultaneous Determination of Diphenhydramine, Methaqualone, Diazepam & Chlorpromazine in Liver
- A Quantitation of Ethylene Glycol in Post Mortem Blood after Derivatization
- Murder by Arsenic Poisoning - A Case Report
- Ethanol and Bone Marrow
 - Part 1 - Blood vs. Bone Marrow Ethanol Concentration in Rabbit & Humans
 - Part 2 - A Storage Study of Ethanol Levels in Rabbit & Human Bone Marrow
 - Part 3 - Comparative Study of Ethanol Levels in Blood vs Bone Marrow, Vitreous Humor, Bile & Urine
 - Response of Breath-Alcohol Analyser to Acetone
 - Alcohol Testing under Field Conditions in Canada
 - Occupational Exposure & Other Factors in the Interpretation of Forensic Lab. Data

G. Cimbura & E. Koves,
Toronto

M. Rousseau, C. Peclet
C. Fortin, J.J. Rousseau
Montreal, P.Q.

W. Bress, W.C. Long,
J. Bidanset, J. Balkon
New York

N.T. Lappas,
M. Fredenburg, Wash,DC

J. Balkon & B. Donnelly
New York

P. Beaumier, Toronto

A.J. Stevenson, Ottawa
J. Holzbecher &
H.A. Ellenberger,
Halifax, N.S.

D.W. Robinson &
D. Reive, Toronto
A. Poklis & M.A. MacKell
St. Louis, Ms.

T.C. Jones & C.L. Winek
Duquesne University
J.M. Luhanik & C.L. Winek

F.M. Esposito &
C.L. Winek

K.M. Dubowski
Oklahoma
R.A. Warren, H.M. Simpson
K. Kannemann, Ottawa
M.M. Luckens,
Lexington, Kentucky

Friday, PM SOFT Business Meeting

American Board of Forensic Toxicology

Congratulations should go out to the following individuals who have recently successfully completed all requirements and been granted Certificates of Qualification in Forensic Toxicology:

Alice Shao, She Wong, DABFT
Toronto, Canada

Leroy Mohn, DABFT
Holland, Michigan

Michael McGee, DABFT
Richmond, Virginia

John Kofoed, DABFT
Willowdale, Canada

Bernard Yen, DABFT
Toronto, Canada

Floyd E. McDonald, DABFT
Houston, Texas

James A. Zotter, DABFT
Houston, Texas

Wan Ching Sun, DABFT
Toronto, Canada

Frederic Rieders, DABFT
Willow Grove, Penn.

David R. Shelton, DABFT
Fargo, N. Dakota

Guy V. Purnell, DABFT
Philadelphia, Penn.

Joel R. Milzoff, DABFT
Glastonbury, Conn.

The Board will be composed as follows, as of July 1, 1980:

Directors:

Randall C. Baselt (7/1/84)
James C. Garriot (7/1/84)
Thomas A. Rejent (7/1/84)

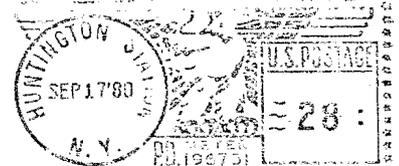
Officers for Fiscal 1980-81:

President: Robert V. Blanke
V. President: Charles N. Reading
Secretary: Thomas A. Rejent
Treasurer: Jane H. Speaker

Directors at Large:

Robert V. Blanke (7/1/82)
Robert H. Cravey (7/1/84)
Kurt M. Dubowski (7/1/82)
Larry B. Howard (7/1/82)
Morton F. Mason (7/1/81)
Charles N. Reading (7/1/81)
Robert H. Reeder (7/1/81)
Jane H. Speaker (7/1/81)
Irving Sunshine (7/1/81)
Jack E. Wallace (7/1/84)

JOSEPH BALKON
LONG ISLAND JEWISH MEDICAL CENTER
P.O. BOX 38
GLEN OAKS, NEW YORK 11004



ROBERT D EBERHARDT
11300 ARROWHEAD TRAIL
HALES CORNERS WI 53130

Attend your annual meeting