



# SOCIETY of TOXICOLOGY NEWSLETTER

475 WOLF LEDGES PARKWAY, AKRON, OHIO 44311-1087 (216) 762-2289

MAY/JUNE, 1985

Edited by Stephanie Beidler

## News and Comment

### Annual Meeting News

The SOT 24th Annual Meeting was a huge success!

- Attendance was larger than last year; it totaled 2,763!
- Hotels and classrooms were overflowing throughout the week.
- The Methyl Isocyanate Symposium and other evening symposia were heavily attended.
- Spouse attendance doubled from last year.
- There were 150 more post-doctoral and pre-doctoral attendees this year than last.
- Forty-two students were able to take advantage of the student travel grants.
- Sea World, the special event, was enjoyed by 400 attendees and their spouses.
- For the first time, exhibitors and guests were treated to complimentary coffee in the exhibit hall as well as outside the technical sessions. Similar arrangements are being made for the 1986 meeting in New Orleans.

(For a picture retrospect of the Annual Meeting see the special insert.)

### New Council

Following are the results of the 1985-86 election:

President: Emil A. Pfitzer, Sc.D.

Vice-President: John Doull, M.D., Ph.D.

Vice-President Elect: Jerry B. Hook, Ph.D.

Secretary: I. Glenn Sipes, Ph.D.

Treasurer: Gary L. Lage, Ph.D.

Councilors: John A. Thomas, Ph.D.

Curtis Klaassen, Ph.D.

Education Committee: Mahin D. Maines, Ph.D.

Edward J. Massaro, Ph.D.

Membership Committee: Joyce A. Goldstein, Ph.D.

Frederick P. Guengerich, Ph.D.

Nominating Committee: Florence Kinoshita, Ph.D.

Steven D. Aust, Ph.D.

Tom S. Miya, Ph.D.

William O. Berndt, Ph.D.

### Errata

The March/April 1985 issue of the SOT Newsletter was incorrectly dated January/February 1985. We apologize for any confusion this may have caused.

The Editor



President Oehme (r) passes the gavel to Vice-president Emil A. Pfitzer, Sc.D. (l). A fond farewell.



New SOT Council 1985-86:

From left to right, 1st row: Jerry B. Hook, Ph.D., vice-president-elect; John Doull, M.D., Ph.D., vice-president; Emil A. Pfitzer, Sc.D., president; and Frederick W. Oehme, D.V.M., Ph.D., past president.

2nd row: Gary L. Lage, Ph.D., treasurer; Curtis Klaassen, Ph.D., councilor; Anne P. Autor, Ph.D., councilor; Bernard A. Schwetz, D.V.M., Ph.D., councilor; and I. Glenn Sipes, Ph.D., secretary.

### Awards

The 1985 SOT award recipients are:

Merit — Carrol S. Weil

Achievement — Alan R. Buckpitt, Ph.D.

Frank R. Blood — Nobumasa Imura

Education — William B. Buck, D.V.M.

Arnold Lehman — Frederick Coulston, Ph.D.

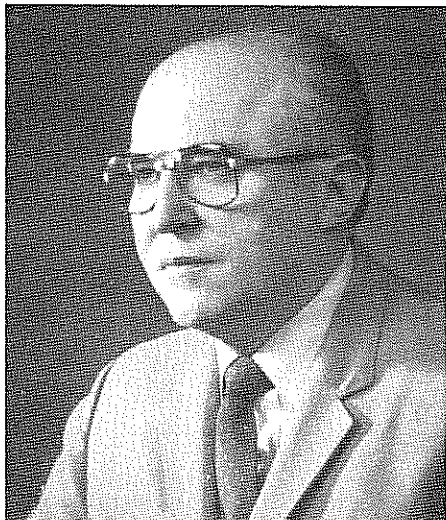
Burroughs Wellcome Toxicology

Scholar Award — I. Glenn Sipes, Ph.D.

Procter & Gamble Graduate Fellowship — Russell Esterline, Rutgers University

Hazleton Laboratories Corporation Graduate

Fellowship — Kevin Gaido, West Virginia University



## President's Message

### *our 25th year — a year for celebration*

The next Annual Meeting of the Society of Toxicology in New Orleans, LA, on March 3-7, 1986 will include the celebration of our 25th Anniversary. It is expected to be a gala affair with glimpses of past contributions and future expectations mixed with a solid presentation of current scientific progress in the field of toxicology. Harry Hays is completing a written history of the Society and you will soon hear of plans for a special audiovisual presentation of highlights of our Society's progress. Members will be receiving requests for pictures and memorabilia for display.

The Society of Toxicology was founded on March 4, 1961 by nine forward-looking toxicologists. The First Annual Meeting was held on April 15, 1962 in Atlantic City, NJ, with Harold Hodge presiding and with a membership of 182 charter members. In 1986 our 25th Annual Meeting may well approach 3000 in attendance. We have just cause to celebrate this Silver Anniversary with pride in our accomplishments and expectations for significant advances in the future.

### *our vitality and volunteers for committee activities*

The activities of our Society are orchestrated by bimonthly meetings of the Council and Officers and with the continuous actions of the administrative staff. This mechanism is the backbone of Society management and makes a tremendous input to our vitality. However, the impressive vitality of our Society would not have been possible without continued volunteer contributions from individual members. The number of members volunteering to serve on committees has been overwhelming. It is both difficult and satisfying to have such a broad base for selecting the limited number of committee appointments.

An announcement of committee appointments for 1985-86 will be made in the next newsletter. For those who volunteered but were not selected, please continue to offer your services. The size of some committees is limited by the by-laws. We will continue the past practice of adding auditors to these committees. In addition committees will be encouraged to utilize the mechanism of short-term task forces for specific projects in order to expand the involvement of members. In my opinion the decision of past Councils to use Society funds to pay for travel to Committee meetings has been a tremendous stimulus to our vitality and should be continued.

### *coming soon — a new headquarters office*

As previously announced your Council has approved recommendations to move our headquarters to the Washington, DC, area. By the time you have this newsletter a decision for a place and time to move may have been made. On April 29 Council visited two locations that had the highest ratings in meeting the criteria established by the Headquarters Committee chaired by John Doull, M.D., Ph.D. We have had a long and productive association with the management capabilities of the American Industrial Hygiene Association in Akron, OH. Their guidance has been central to our ability to be financially sound enough to make this move. It is with some trepidations that we leave the security of this long association. It is also with a spirit of excitement that we venture into this new chapter of progress close to the activities in our nation's capital.

### *an invitation to an open dialogue about our Society*

At the annual business meeting in San Diego I shared a personal goal to initiate an open dialogue about the potential divergence of purpose and objectives within our Society. The potential divergence is between members who primarily perform basic scientific studies with toxic agents and those who primarily apply scientific information about toxic agents to the practical needs of society. This is not necessarily a serious divergence, but neither is it trivial.

From time to time one hears the question, "Is S.O.T. a scientific learned society or a professional society?" Obviously the terms need careful definition for a simple answer and they are not necessarily mutually exclusive. The practitioner brings real-life and important needs to the attention of the basic scientist, and the basic scientist can potentially provide the information to meet these needs. I maintain that the Society provides a forum for significant beneficial synergy while promoting both the acquisition and utilization of knowledge in toxicology. Are we accomplishing such synergy? Can and should it be improved? Your opinions and comments are solicited. Excerpts of thought-provoking responses will be presented in future newsletters.

Emil A. Pfitzer

## Burroughs Wellcome Deadline

The Burroughs Wellcome Toxicology Scholar Award is sponsored jointly by The Burroughs Wellcome Fund and the Society of Toxicology. The award provides \$250,000 payable over a five year period to an individual working in the field of toxicology in a recognized U.S. school in the life sciences. Selection is made on the basis of the demonstrated ability and potential of the candidate, the strength of the commitment for program expansion, the quality of expansion plans, and relative importance of the award to the success of the proposed program expansion.

A Toxicology Scholar Award will be offered for 1986. The deadline for submitting applications is Dec. 1, 1985. Contact: The Burroughs Wellcome Fund, 3030 Cornwallis Rd., Research Triangle Park, NC 27709.

### Sponsors for SOT Membership

The Membership Committee meets twice a year to review over 200 applications of candidates for election into the Society. Thorough and complete applications enhance review by the Membership Committee. Sponsors have a responsibility to the Society as well as the applicant to insure good applications. Sponsor letters detailing strengths of the applicant are a critical component of the application. Incomplete applications cannot be reviewed and will be deferred.

There are changes being made to the current membership application dated 7/83. So please insure that the most current application form is being used until the revised edition is approved. Your attention to these important matters will be greatly appreciated.

SOT Membership Committee

## Berkeley Lab Animal Care Update

The following was submitted by Gordon W. Newell, Ph.D., in response to the Andrew N. Rowan article in the March/April Newsletter.

In the January/February issue of the Newsletter, Andrew Rowan described well some of the long-standing problems in the management of laboratory animal care at the University of California, Berkeley. But his comments did not include any of the positive efforts that have been undertaken. By the time his article appeared, a good deal of progress was already underway at Berkeley to turn these problems around; and the momentum has since increased. A brief summary of this progress follows.

In March of last year, a task force, formed by the University of California to review laboratory animal care on the Berkeley campus, issued a report of its findings and recommendations. That same month, the Chancellor of the Berkeley campus appointed Dr. Alfred Edward to direct and monitor all changes needed for Berkeley to achieve effective centralized management of its lab animal facilities and program. Edward, a leading authority on lab animal care, served for eight months until the position of campus wide director of laboratory animal care was established. The new director, Dr. Roy Henrickson, is a clinical veterinarian and American College of Laboratory Animal Medicine Diplomate, consultant to the American Association for Accreditation of Laboratory Animal Care (AAALAC), the World Health Organization and a member of the National Research Council's committee that oversees policy on lab animal care and use.

Under his direction, Berkeley's new Office of Laboratory Animal Care has begun to centralize supervision of laboratory animal care personnel who work in 18 different research units on the Berkeley campus. New animal research and teaching protocols have been issued, strengthening requirements for detailed identification of all uses of animals on the campus and assuring clear monitoring of their use. Henrickson has added veterinarians to his staff, and training personnel to assure all researchers and technicians are knowledgeable about proper and current methods of care.

The campus has already committed well over \$1 million for immediate improvements, and the State has authorized \$41 million for a new Life Sciences building which includes replacement of the antiquated animal facilities in the existing LSs building.

To aid and advise in the campus effort to upgrade the entire animal care and use program, the Chancellor appointed an advisory committee of outside experts in the animal care field. The committee meets regularly with the lab animal care director and often with the Chancellor himself — to review progress on problems that remain and recommend action when needed. The Berkeley campus is committed to achieve full accreditation for its animal care program.

Research at Berkeley has long been recognized as of the highest caliber; the goal is to bring its lab animal facilities and program up to that standard. The commitment is there, and real progress is apparent. Rowan should be pleased.

Gordon W. Newell, Chairman  
Chancellor's Advisory Committee on Animal Care  
University of California, Berkeley

## Treasurer's Report

The summary balance sheet by function for the third quarter of FY 84 is given below. Although individual items within each function have varied from forecast, the variances have more or less cancelled each other. The net effect is a positive cash flow \$9000 greater than forecast for the end of the third quarter. I expect to finish the year with a positive cash flow slightly greater than forecast.

Richard S. Waritz  
Treasurer

ITEM	INCOME	EXPENSES*
	\$	\$
I. Administration		
1. Executive Secretary's Office	20	71,690
2. Council/Officers	190	33,750
II. Awards	720	
III. Committees	2,960	34,880
IV. General Income	153,640	3,420
V. Meetings		
1. Annual	49,170	32,420
2. Other		7,050
VI. Publications		
1. FAAT	14,160	3,100
2. TAP	13,880	1,000
Grand Total	234,740	187,310
Net For Year To Date	47,430	
Total Cash Assets	730,180	

\*All entries rounded to nearest ten dollars.

## Research Triangle Institute Awarded Funds for Manpower Study in Environmental Toxicology

The National Institute of Environmental Health Sciences (NIEHS) has awarded a two-year contract to the Research Triangle Institute (RTI) to conduct a manpower study in the field of environmental toxicology. Three populations will be surveyed: directors of graduate programs in environmental toxicology, graduates of these programs in the past five years, and employers of toxicologists. The goal of this research is to assess the relationship between the graduates of environmental toxicology programs and the needs and expectations of employers of these graduates. Please contact Dr. John Paul, Tel.: (919) 541-6373 of RTI or Dr. Christopher Schonwalder, Tel.: (919) 541-7634 of NIEHS for more information.

## Toxicologist Vol. 5 Now Available

Orders are now being taken for extra copies of the 1985 Toxicologist. We hope the "loan system" did not inconvenience anyone. It was simply our way of assuring that our limited supply would serve the immediate needs of our attendees during the week of the annual meeting. We appreciate your cooperation and understanding. To order your copy contact: Bookkeeping, SOT Headquarters, 475 Wolf Ledges Parkway, Akron, OH 44311, Tel.: (216) 762-2289.

## Search for a New FAAT Editor

Dr. William W. Carlton, Editor of Fundamental and Applied Toxicology, has announced his intent to resign as Editor effective Dec. 31, 1985. The SOT Board of Publications has accepted his resignation with regret noting Dr. Carlton's role in guiding the journal in its formative years. The SOT Council has directed the Board of Publications to conduct a search for a well-qualified individual to serve as the Editor of FAAT beginning Jan. 1, 1986.

The Board of Publications is currently preparing a written description of the responsibilities of the FAAT editor which will be made available to individuals interested in serving as editor. In brief, the editor is expected to provide the scientific editorial leadership for the Journal and serve as the primary coordinator of interactions between the authors of submitted manuscripts, Associate Editors, members of the Editorial Board and other manuscript reviewers. The publisher of FAAT, Academic Press, initially receives all manuscripts submitted and handles the majority of the clerical in non-scientific editorial functions. This minimizes the clerical functions that must be performed in the office of the FAAT editor. The editor is reimbursed by the SOT for budgeted expenses incurred in the performance of official duty.

Individuals interested in being considered for this important position should contact Dr. Roger O. McClellan, Chairperson, SOT Board of Publications, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87185, Tel.: (505) 844-6835.

## Regional and Specialty Section News

### Mid-Atlantic Chapter

The annual/business meeting of the Mid-Atlantic Chapter was held Jan. 22 in Princeton, NJ. After dinner, members heard from the president, Mark Hite, Sc.D. and the secretary-treasurer, Michael R. McClain, Ph.D. This was followed by the election of new officers and councilors. Congratulations to the new officers who will take office on May 1: Jerry M. Smith, Ph.D., vice-president elect; Peter J. Becci, Ph.D., secretary-treasurer; Eileen Hayes, councilor and Tim Coogan, student councilor.

The highlight of the meeting was the presentation of the Mid-Atlantic Chapter's annual Ambassador of Toxicology Award. The award is given to an individual who has advanced the understanding of the science of toxicology on a national and international basis. Special preference is given to individuals who have promoted an understanding of the science to non-toxicologists.

The 1985 recipient is SOT past president Wayland J. Hayes, Jr., M.D., Ph.D. Among his long list of accomplishments are over 100 papers on mammalian toxicology, and two books, "Toxicology of Pesticides" and "Pesticide Study in Man." Dr. Hayes holds memberships in numerous national and international committees and is a meritorious professor of biochemistry at Vanderbilt University School of Medicine.

### Neurotoxicology Specialty Section

*Message from the 1984-85 president, Peter S. Spencer, Ph.D., M.R.C. Path.*

A. Dr. Kent Anger, Chief, Neurobehavioral Research Section, NIOSH, delivered an important paper (1) to a packed audience assembled for the annual Business meeting of the Neurotoxicology Specialty Section.

Dr. Anger noted that ACGIH recommended or adopted TLVs for 588 chemicals in 1982, of which 167 were based, at least in part, on direct neurological or behavioral effects. By comparison, 59 chemicals had carcinogenicity cited as the basis of their recommendation.

Although there is wide interest and increasing recognition of the potential neurotoxicity of a wide range of materials, "interest is not enough," Dr. Anger emphasized. According to a 1984 Office of Technology Assessment Report (2: a copy will be distributed to all NSS members), "funding for neuroscience research was approximately \$500 million in 1983," of which "only about \$1.7 million is targeted for neurotoxicology" in the form of extramural grants and "about \$3.6 million is targeted to this field" intramurally. Dr. Anger concluded: "If there was some good news in the OTA meeting, it was that the main recommendation was for an increase in funding of applied, specifically neurotoxicology research".

B. Don Fox's symposium on SENSORY SYSTEMS TOXICOLOGY; CORRELATED MEASUREMENTS OF TOXICITY, attended by 100-150 people, was an additional highlight of the NSS's contribution to the San Diego meeting.

C. On the expectation that Specialty Sections will continue to receive an annual injection of support from their parent body, the Executive Committee of NSS approved the following actions:

a. Dr. A. Goldberg, Associate Dean for Research, Johns Hopkins University School of Hygiene and Public Health, would be invited to chair a symposium dealing with tissue-culture systems as testbeds to investigate mechanisms of xenobiotic neurotoxicity. This symposium will be submitted to SOT Council in anticipation of its inclusion in the 25th annual meeting of SOT, Dallas, 1986.

b. The primary author of each of the three best student submissions to the general program of the 1986 SOT meeting will receive a travel subsidy. The authors of the paper judged to be of greatest scientific merit will be awarded an additional prize of \$250.00; the runner-up will receive a prize of \$100.00.

c. Of special interest to student SOT members presently unaffiliated with NSS: Specialty Section membership dues will be waived for all student and postdoctoral fellows who wish to join the Neurotoxicology Specialty Section in 1985. If you fall into this category, mark the appropriate box(es) when SOT membership dues are requested, write "bill NSS" adjacent to the Neurotoxicology Specialty Section, and append a copy of this notice. Non-student SOT members wishing to join NSS are most welcome to accomplish this goal by payment of appropriate SOT and NSS annual dues.

d. Those wishing to place notices of positions available in the NSS Newsletter should communicate with Herb Lowndes, 1985/86 President, NSS.

D. NSS members requested information on the selection of their Program Committee. Article XI of the NSS By-laws states: "The President-elect shall be chairperson of the Program whose members are appointed by the President. The Program Committee shall develop scientific and educational programs and provide copies of the programs to the Secretary-Treasurer, who will in turn notify the membership". Suggestions for topics of future symposia should be directed to Herb Lowndes.

E. Congratulations to Rudy Richardson and Bob Joy who were elected by the NSS membership to serve as Vice-President-elect and Councilor, respectively, for 1985-1986.

F. 1986 NSS Student Award. Details will be given in the next newsletter. All preliminary enquiries should be directed toward Herb Lowndes (201-456-5469).

In conclusion, I am pleased to report that our Specialty Section had a successful year and looks forward to a bright and challenging future. On this note, I transfer the helm to Herb Lowndes who will surely chart an appropriate course to realize our goals. Thank you once again for the honor of serving you as President.

**Peter Spencer**

1. Anger, K. Neurobehavioral Toxicology: Past Approaches and Future Directions (Perspectives in 1985). Unpublished.

2. OTA. Impacts of Neuroscience: Background Paper. Washington, DC: US Congress Office of Technology Assessment. Publ. No.: OTA-BP-24, 1984.



*President Oehme captivates his audience with one of his presentations during the San Diego meeting.*

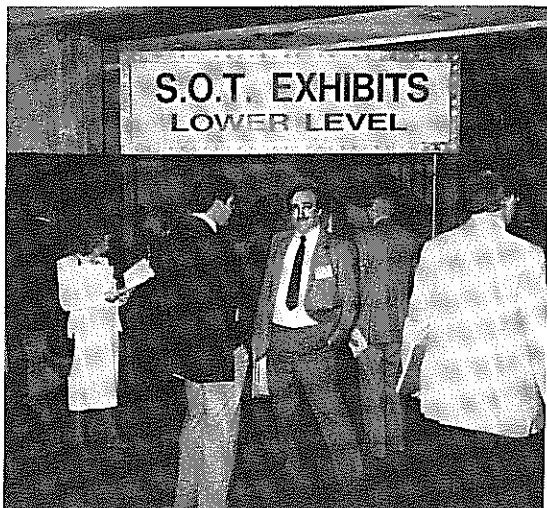
**24th SOT Annual Meeting  
San Diego, CA  
March 18-22, 1985**



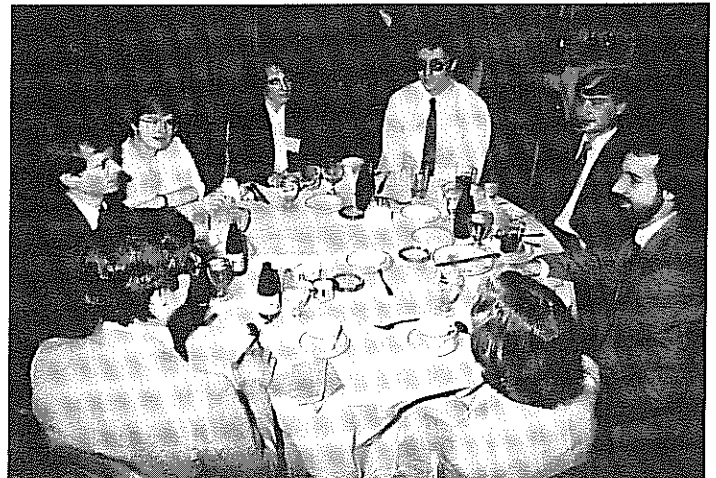
*Harold C. Hodge, Ph.D., was in attendance. Dr. Hodge was one of the founders and first president of the Society.*



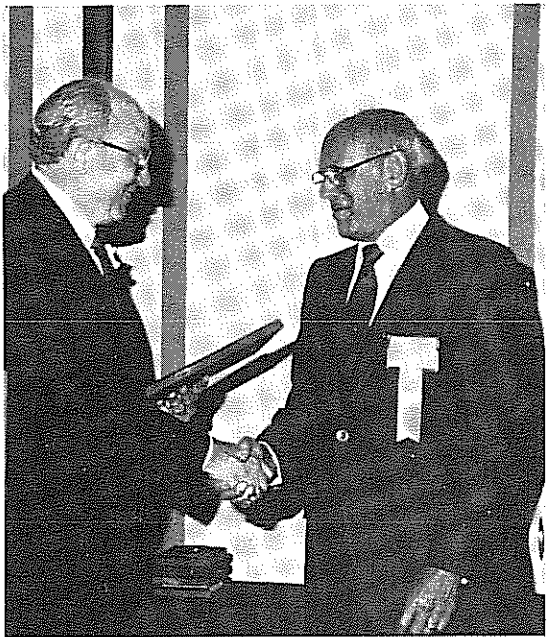
*SOT salutes its members and guests with a new 12 foot flag that was suspended from the President's Suite of the Town & Country Hotel.*



*Traffic was heavy to and from the exhibits and poster sessions.*



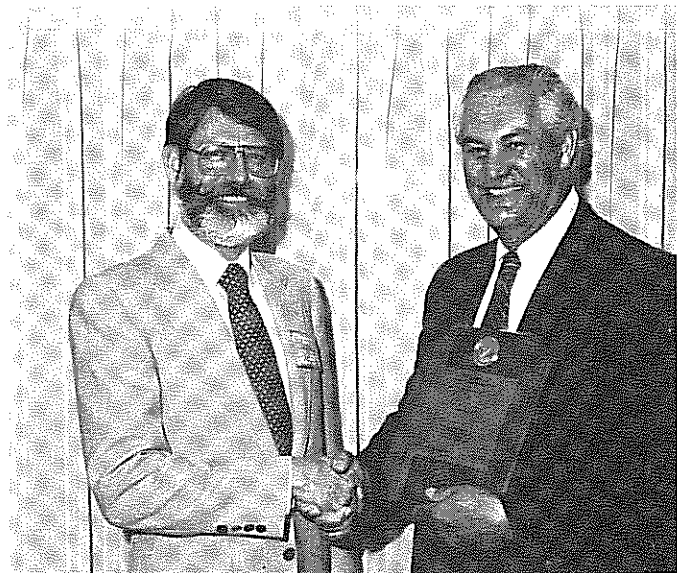
*Over 60 SOT student members enjoyed a SOT sponsored luncheon Tuesday afternoon.*



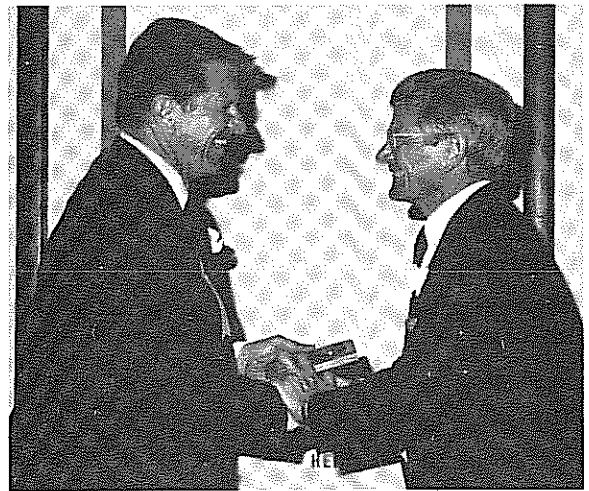
Vice-president Emil A. Pfitzer, Sc.D. (l), presents the Merit Award to Carrol S. Weil (r).



Robert D'Amato (r) presented a check for \$8,000 to Russell Esterline, Rutgers University (center), winner of the 1985 Procter & Gamble Graduate Fellowship Award; Robert I. Krieger, Ph.D. (l), chairman, Education Committee.



John Autian, Ph.D. (r), founder of the Toxicology Education Award, proudly presents this year's winner, William B. Buck, D.V.M. (l), with a plaque and cash stipend.



New Vice-president-elect Jerry B. Hook, Ph.D. (r), shares memories as he is congratulated by President Oehme (l) — a past, present and future "thanks".



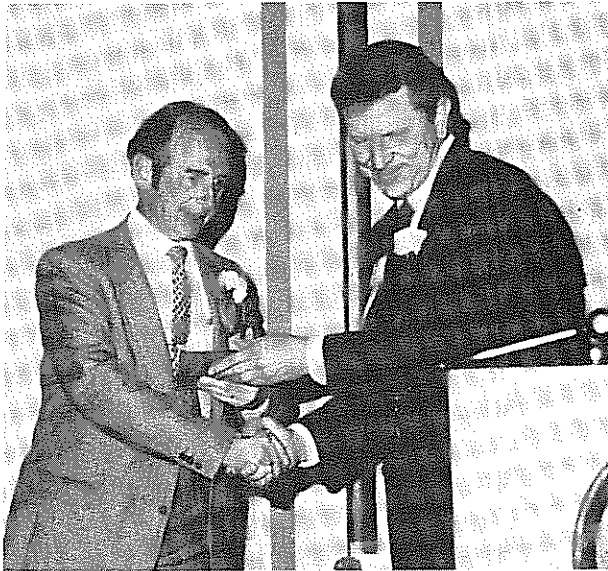
Frederick Coulston, Ph.D. (l), recipient of the Arnold Lehman Award, is presented with a plaque and a cash stipend from Gabriel L. Plaa, Ph.D. (r).



*Marshall Steinberg, Ph.D. (r), hands Kevin Gaido (l) a \$4,000 check from Hazleton Labs. Kevin, West Virginia University, won the 1985 Hazleton Graduate Fellowship Award.*



*I. Glenn Sipes, Ph.D. (l), receives the Burroughs Wellcome Toxicology Scholar Award from Tom S. Miya, Ph.D. (r).*



*Richard Waritz, Ph.D. (l), receives a handshake from President Oehme (r).*



*Nobumasa Imura (l) flew to San Diego from Tokyo to receive the Frank R. Blood Award; a cash stipend and plaque were presented by Marshall Steinberg, Ph.D. (r).*



*Winner of the Achievement Award, Alan R. Buckpitt, Ph.D. (l), receives a stipend and a plaque from Jerry B. Hook, Ph.D. (r).*



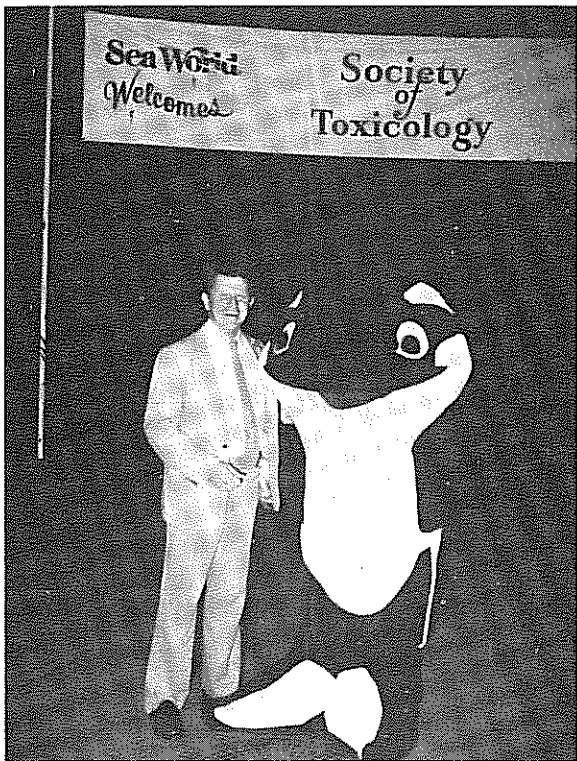
Ruth Waritz takes a licking from Shamu.



Weather — a heavy factor in future site selections. Nonetheless, attendance at courses was record breaking.



SOT would like to thank the staff for an efficiently run Conference. From left to right, 1st row: Donna J. Philpott; Cindy Tholt. 2nd row: Chuck Dennis, Brede, Inc.; Deborah L. Drobney; Kim R. Milush; Kimberly G. Wagner; Lisa M. Gerbec.



Over 400 guests were entertained at Sea World by a host of marine life characters. Dr. Oehme (on the left) slips Shamu an SOT application.



It's going to be an "epic" year as the new president, Emil A. Pfitzer, Sc.D., projects what lies ahead. The 25th Anniversary Annual Meeting in New Orleans will be the one you won't want to miss — see you there!