



SOCIETY of TOXICOLOGY

NEWSLETTER

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JANUARY/FEBRUARY, 1980

Edited by Robert S. Lee

President's Message

You can satisfy some of the people all the time and all of the people some of the time, but never all the people all the time. From the perspective of my office, there has been no greater truth, with perhaps the exception of the fact that death and taxes are the only things of which we can be certain. The democratic fashion in which our Society is run, however, is an assurance that the majority of those who vote decide on major issues. You will soon be receiving a mail ballot on the various changes in our Constitution and By-Laws, largely triggered by the Drill Report presented at the last Annual Meeting in New Orleans. Accompanying the ballot I will attempt to explain the primary points on which your Council deliberated with *ad hoc* help and the help of legal counsel.

In my capacity as Dean of the School of Pharmacy I ran across a verse written by an anonymous pharmacist which was published during the Diamond Jubilee of the national licensing board. Allow me to quote the beginning verse which I believe can be universally applied:

*"If I knew you and you knew me,
'Tis seldom we would disagree;
Without our having yet clasped hands,
We often fail to understand,
That each of us intend what's right,
And treat each other 'honor bright,'
Now little to complain there'd be,
If I knew you and you knew me."*

Tom S. Miya
President

SOT Council Actions

Council met on November 28 and 29, 1979 and acted on several important issues affecting our society. These are summarized here for your information:

1. Concept Bill — Congressman Wampler

- Proposed bill would separate the scientific function of risk assistance for carcinogenicity, teratogenicity, and mutagenicity from the political function of regulating suspect chemicals.
- Action on this question to be taken by President Miya who will instruct the Legislative Assistance Committee to follow up on this question.

2. 1981 Meeting Location

- Washington Hilton is now out. Alternatives discussed by McCormick.
- Motion: Recommend Town and Country Hotel, San Diego.

3. Research Instrument Sharing

- Motion: SOT to support development of Regional Centers to provide access to expensive, complex, or specialized instruments.

4. ED₀₁ Special Task Group

- Discussion by Carlton and Gehring
- SOT Task Group Composition
 - David Clayson
 - John Doull
 - Rolf Hartung
 - Robert Neal
 - John Quast
 - Jerry Smith
 - Phil Watanabe
- Meeting, December 10, 1979, now scheduled in Washington.
- Consultants in statistics to be obtained.
- AIHC also involved, Ref. Council minutes of 10/3/79, pp. 2 and 3.
- FDA now moving toward a review by NAS of the ED₀₁ Study.
- Discussion of SOT's role and the problems inherent in the critical review of the ED₀₁ study.
- SOT to continue to pursue the review of the ED₀₁ study by appropriate means, e.g., by submitting questions, etc.
Action: Miya to write letter to Rodericks of F.D.A.
- Inform SOT members of progress by Carlton's Task Group in the Newsletter.
Action: Miya, Carlton

5. Placement Service: New Location

- Ref. letter of M. Hite to President Miya, 10/19/79.
- Ref. letter of President Miya to M. Hite 11/10/79.
- Placement service operation moved to Akron Office under Executive Secretary.

6. Code of Ethics

- Subcommittee, under Chairmanship of Dr. Golberg, to explore the feasibility of developing code of ethics for members of SOT.
- Suggested members:
 - J. Wesley Clayton
 - William Keane
Action: Golberg

7. SOT Publication, Discussion

- Witschi Task Group to be informed of offer of Rob McCutcheon (Journal of Toxicology and Environmental Health) to work with SOT in publication of toxicology manuscripts.
- Special Task Group formed to investigate second SOT publication:
 - H. Witschi, Chairman
 - R. Hehir
 - J. Keller
 - G. Levinskas
 - J. Moore
 - B. Schwetz
 - R. Wands

8. Amendments to Constitution and By-Laws

- Motion: The Membership Committee shall consist of six members with the Chairman to be appointed by the President with the approval of Council.
- Motion: Approve changes made in the revisions of the By-Laws and Constitution by Council, 11/29/79.

9. IUTOX ICT II — Discussion by S. Friess

- Final draft of Constitution to be ready by July, 1980. Combined International Steering Committee and authorized member delegate meeting, July 6, 1980, Brussels to adopt Constitution. Officers of IUTOX will then be elected.
- Second IUTOX meeting to be held in 1983. Site will be selected at the business meeting of the Congress.

10. American Board of Toxicology, Friess

- ABT presented the possibility of SOT's using a law firm to keep abreast of regulatory activities.
- Request for poster space for ABT at 1980 meeting, using same space as T-LAB. Approved by Council consensus.
- ABT needs office location and secretarial services to operate efficiently. T-LAB has the same need.
- Third announcement has been mailed regarding the first certification examination, July 28, 1980.

11. Discussion of Education in Toxicology

- Consider public education, television, chemistry departments in universities and colleges.
- NSF has expressed an interest in this activity and could be a source of funding for this effort.
- President Miya to charge the Education Committee with developing this area.

12. Burroughs Wellcome Foundation

- Ref. letter Miya to Evans and Hitchings of November 6, 1979.
- Establishment of Wellcome Scholars in Toxicology.
- President Miya has asked the Education Committee to prepare a proposal for ultimate transmittal to the foundation.

13. National Cancer Policy, AIHC

- Editorial to be prepared by Dr. Golberg for publication in TAP.
- Council to review Dr. Golberg's editorial at the next Council meeting.
- Approved by Council.

14. Specialty Sections, Regional Sections II

- Report by S. Cohen and Committee to Council, 11/29/79.
- Report presents model Constitutional and By-Laws for Specialty Sections and Regional Chapters.
- The present draft report will be typed at the Office of the Executive Secretary and copies mailed to Council, Officers, and S. Cohen and his committee.
- Following Council's review, the report to be sent to W. Hays, SOT Counsel, for legal considerations and relationship with SOT Constitution and By-Laws.

J. Wesley Clayton
Secretary

SOT Launches Scientific Review of ED₀₁

A task group has been appointed with William W. Carlton, Chairman, Jerry Smith, John Doull, Robert Neal, Rolf Hartung,

David Clayson, Phil Watanabe, and John Quast. The Group's initial objective is to circumscribe the task and secondly to pursue the evaluation.

Tom S. Miya
President

An Opportunity to be Heard

Council is considering the introduction of a new section in the Newsletter, titled "Speakout", on a trial basis.

The objective is to provide members an opportunity to express themselves regarding the affairs of the Society or actions of the Council. When appropriate, response to statements or questions will be prepared.

To be accepted for the Newsletter, the text must not exceed 200 words and, hopefully, most will be less. The number of responses published in the Newsletter will vary depending on availability of space and pertinence of the statements.

Perry J. Gehring
President-Elect

Special Task Group — New Journal

The SOT Council has been discussing the advisability and viability of a supplemental journal to TOXICOLOGY AND APPLIED PHARMACOLOGY, to meet a perceived need.

President Miya has requested Drs. Hanspeter Witschi (Chairman), Robert Hehir, John Keller, George Levinskas, Jack Moore, Bernard Schwetz and Ralph Wands to serve on a special task group which includes a member of the Board of Publications. The recommendations of the task group will be considered by the Board of Publications and the Council.

Guidelines to the deliberations of the special task group are:

1. In no way should such a journal conflict with the nature of the scholarly articles now published in TAP.
2. The focus of the journal primarily might be to publish studies pertinent to safety evaluation of chemicals.
3. The need for such a journal should be established in terms of a "real" need for toxicology. An evaluation should be made of the number of potential subscribers.
4. The scope of the journal should be defined, together with definitive guidelines on criteria for acceptance for publication.
5. An appropriate title for the journal should be suggested.
6. The number of pages to be published on an annual basis and frequency of issues should be determined. This consideration will impact on the actual cost to the subscriber.
7. There are a number of other issues to consider, such as negative data publication, completeness of data (raw data), etc.

Those appointed have been asked to signify their acceptance no later than December 3, 1980. The first meeting of the special task group is expected to be slated for mid-January. The results of this and subsequent meetings will be reported in future Newsletters.

Policy Statement

The members of the Board of Directors of the American Board of Toxicology, Inc. have recently reviewed plans for professional activities of this Board into the near future, with a view toward providing maximum service to the toxicology profession.

It has been decided that ABT, Inc. will be most effective at present if it continues to focus exclusively on the qualifications for and certification of individuals in the practice of general toxicology, to the exclusion of other professional issues in the field.

Inquiries have also been made recently as to whether this Board will be active in the area of continuing education in toxicology, as a phase of its overall emphasis on the certification process. Our present policy on this matter is that the Board will cooperate fully with educators in toxicology and with learned societies such as the Society of Toxicology to define the technical areas in which educational material should be developed, leading to the full spectrum of qualifications for a professional practitioner in general toxicology. The board will not, however, engage in the development and presentation of coursework, workshops, symposia, etc. in toxicology, but may assist in sponsorship of these activities.

S. L. Friess

President

American Board of Toxicology, Inc.

P.O. Box 30241

Washington, DC 20014

**American Board of Toxicology, Inc.
Board Announcement #3**

1. The American Board of Toxicology, Inc. is pleased to announce that approximately 450 scientists from the U.S. and Western Europe filed applications to take the first Self Evaluation Examination (SEE) in General Toxicology. The examinations were mailed in mid-October. All applicants are reminded that the completed answer sheet must be returned to the Board no later than December 1, 1979 in the envelope that was provided with the SEE. Immediately after December 1, all SEE returns will be graded and analyzed, and the results mailed confidentially to each examinee by December 15, 1979. The analysis will include information as to correct/incorrect answers, areas of strength and weakness, and the performance of the examinee in each technical area of the examination relative to the performance of the entire group taking the SEE. After individual reports have been mailed, the confidential ABT office records of applicants and their performance analyses for this SEE trial will be destroyed.
2. Numerous inquiries have been received as to whether the SEE process will be repeated into the future. Since the general feeling as to the usefulness of the SEE seems to be very positive, the Board has tentatively decided to establish another SEE round in the Spring of 1981.
3. The Board is now establishing a timetable for procedures relative to the taking of the first Certification Examination (CE) in General Toxicology, in July, 1980. These procedures are as follows:
 - (a) An application form for the CE will be made generally available in early January, 1980. This form will be mailed automatically to everyone already on the ABT mailing list, and to anyone requesting the form by writing to the Board.
 - (b) For a given applicant, the completed application form must reach the Board by March 1, 1980, along with a registration check for \$200 in U.S. funds. Of this sum, \$50 is a non-returnable portion required for administrative costs, and the remaining \$150 is the fee for technical handling of the examination process.
 - (c) The applicant should also initiate during the interval January-March, 1980, the process by which

supporting documentation for his application is sent directly to the Board. Two types of documentation will be required: (1) a college or university transcript from the Registrar's Office attesting to the degrees cited as part of the qualifications record in the application; and (2) letters from colleagues or employers attesting to the professional character of each segment of the experience in toxicology cited in the application.

- (d) A Committee on Credentials has been established by the Board to review the applications and supporting documents from all applicants during the interval March-May, 1980. This Committee, made up of Board members, will be chaired by Dr. William E. Rinehart.
 - (e) By June 1, 1980, applicants will be notified of whether or not they have been admitted to candidacy for the first CE examination, and the place/places where the examination will be given. The date of the CE is tentatively being set for Monday, July 28, 1980.
4. It is anticipated that the CE will be in writing and similar in format to the 200-question design used in the SEE. It will be split into two sections, with 3 hours being scheduled for the first part in the forenoon and 3 hours for the second part in the afternoon.
 5. Admission to candidacy for the CE will normally imply that the candidate will take the first examination scheduled, in July, 1980. However, if for any reason the candidate is unable to take this examination, his/her eligibility will automatically be extended one more year for the CE given in 1980, without additional fee or repetition of the application/documentation process.
 6. The qualifications for taking the first CE have previously been outlined in Announcement #1 of the Board. They are repeated below for reference. The combinations of training and experience established for eligibility are as follows:
 - (a) An applicant must possess an earned doctoral degree in an appropriate field and have at least three (3) years of full-time professional experience in toxicology (or part-time equivalent thereof) and must have engaged in the full-time practice of toxicology for at least one (1) year just prior to the date of application.
 - (b) Or, an applicant must possess an earned master's degree in an appropriate field and have at least seven (7) years of full-time post baccalaureate experience (or part-time equivalent thereof) in toxicology and must have engaged in the full-time practice of toxicology for at least one (1) year just prior to the date of application.
 - (c) Or, an applicant must possess an earned bachelor's degree in an appropriate field and have at least ten (10) years of full-time post baccalaureate experience (or part-time equivalent thereof) in toxicology and must have engaged in the full-time practice of toxicology for at least one (1) year just prior to the date of application.
 7. The scope of the CE will be quite similar to that previously defined by the content of the SEE. Specifically, it will cover 16 principal technical areas as follows, with the appended weightings on questions.

(1) Metals, industrial chemicals	6%
(2) Solvents, pesticides	6%
(3) Gases, dusts, natural toxins	6%
(4) Food additives, drugs, cosmetics	6%
(5) Mutagenesis, carcinogenesis	8%
(6) Teratogenesis, reproduction	8%
(7) Inhalation, nervous system	8%
(8) Immunological, cutaneous, ocular toxicity	6%
(9) Hematopoietic system, liver, kidney	6%

(10) General principles of toxicology	5%
(11) Toxicokinetics	5%
(12) Factors influencing toxicity	5%
(13) Toxicodynamics, mechanisms	5%
(14) Risk assessment, epidemiology, biostatistics	8%
(15) Regulatory, environmental toxicology	6%
(16) Occupational, forensic, clinical toxicology	6%

8. It is understood that the experience derived from taking the SEE administered in October, 1979, will have led many individuals to consider the need for brief courses, workshops, etc. in specialized phases of toxicology prior to July, 1980. To meet this need, at least in part, the Society of Toxicology is considering the development of special course work as a part of program planning in connection with the Society Annual Scientific Meeting in March, 1980.

S. L. Friess
President

Conference Program Errata

The symposium scheduled for Tuesday morning, March 11, at the Annual Conference, will extend throughout the morning, rather than only from 8:30-9:30 a.m., as stated on page 29 of the Official Program.

Each of the papers presented will be approximately one-half hour in length.

In addition, a paper not appearing in the Program, "A Stage Model of Risk Evaluation" by R. Kasperson, Clark University, Worcester, MA will be presented at 9:40 a.m.

Have You Paid Your 1980 Dues?

Your dues for this year must be paid by March 31, 1980 if you are to continue receiving TAP. If you haven't yet done so, send in your check to the Executive Secretary today, while you're thinking about it. Don't miss even a single issue of TAPI

Does the Executive Secretary Have Your Current, Correct Address and Phone Number?

Be sure to keep the Executive Secretary and Academic Press informed of any address changes. This is vital to your receiving TAP and all Society communications in a timely fashion.

Also, we strive to have current business phone numbers for each member. If you have sent in this information, or your number has changed from what we have on record, please advise us of your present number. Be sure to include your area code.

Extern Program in Toxicology for Graduate Students

This program enables graduate students in toxicology to experience a short-term chemical safety evaluation experience in an industrial institutional setting. Each program is tailored to meet each student's goals. A committee representing universities and sponsoring organizations will select the students and match them to sponsors. Financial support is available from a prominent group of sponsors, who may or may not accept an extern.

The program was organized by the Committee on Environmental Pharmacology and the Education Committee of the Society of Toxicology. It is intended primarily for predoctoral students. However, applications from postdoctoral scientists as well as individuals who have finished their formal training but seek this additional experience will be considered. (EOE)

The externship covers a minimum of one academic quarter or semester. Longer terms are desirable and encouraged. For information on financial support, academic credit, evaluation procedures and application details, write to Dr. A. Wallace Hayes, Professor, Department of Pharmacology and Toxicology, University of Mississippi Medical School, Jackson, MS 39216.

First Students Begin Toxicology Program at PCPS

Twenty freshman and six sophomore students have entered the new bachelor of science degree program in toxicology at the Philadelphia College of Pharmacy and Science.

"I am pleased with the enthusiastic and supportive response to the College's establishment of this program, said Dr. Gary L. Lage, program director. "Publicizing a new degree program always requires a lot of effort. With toxicology, we must first create public awareness of toxicology as a career field and then create public awareness of the degree program at PCPS."

One of only a few programs, nationwide, in this field at the baccalaureate level, the PCPS program has been designed to respond to growing manpower needs in toxicology.

The four-year curriculum provides a solid foundation in the basic sciences and humanities as well as a comprehensive understanding of theoretical and practical aspects of toxicity testing and safety assessment. The curricular design utilizes the summer months in the first two years as an additional semester, thus enabling incorporation between the third and fourth years of an eight-month industrial traineeship at a cooperating industrial, research, or governmental organization.

"The assistance we received from industry and government representatives was invaluable in designing the curriculum," Dr. Lage emphasized. "They helped define the competencies expected of graduates, including skills such as scientific writing. Moreover, they reinforced our thinking that an extensive period of industrial traineeship on a full-time basis in a learning-working situation should be an essential component of the curriculum."

USDA to Lease Biological Abstracts on Tape

BioSciences Information Service (BIOSIS), Philadelphia, PA, is pleased to announce that the Science and Education Administration (SEA) of the U.S. Department of Agriculture (USDA), Beltsville, MD, has recently leased BIOLOGICAL ABSTRACTS ON TAPE (BAT) to accompany its long-established service on BIOSIS PREVIEWS.

Overall, SEA aims to improve the nationwide effectiveness of research and teaching in the food and agricultural sciences. Its Technical Information Systems staff, which acts as a liaison between BIOSIS and SEA, is responsible for the continuing development, maintenance, and coordination of comprehensive technical information and library systems for these sciences and related USDA needs.

BAT, the machine-readable version of the full English-language text of the abstracts appearing in BIOLOGICAL ABSTRACTS (BA), is offered among a variety of library and information services available to USDA scientists, professional personnel and formal cooperators. BAT was developed to complement BIOSIS PREVIEWS by providing textual support for the bibliographic and indexing information given for BA items in the BIOSIS PREVIEWS file.

BIOSIS, a nonprofit organization which was founded in 1926, is the world's largest English-language indexing and abstracting service for biological and biomedical research. Contact: Marie Bongiovanni, 2100 Arch Street, Philadelphia, PA 19103 (215) 568-4016.

of New Jersey, Dept. of Community Medicine, Rutgers Medical School, University Heights, Piscataway, NJ 08854 (201) 463-4772. Fees: full course \$800; \$150, for any selected 2 days sessions.

june 28 . . .

Abstract submission deadline date for four-day third Oak Ridge radiopharmaceutical dosimetry symposium, October 7-10, 1980, focusing on questions related to obtaining biologic information needed to improve radiation dose estimates. Topics will include radiopharmaceutical kinetic and retention data, data collection and extrapolation of animal data to humans. Co-sponsored by the Radiopharmaceutical Internal Dosimetry Information Center, Oak Ridge Associated Universities, U.S. Dept. of Energy, U.S. Food and Drug Administration's Bureau of Drugs and its Bureau of Radiological Health. Oak Ridge TN. Contact R. Cloutier, Program Committee, Symposium on Radiopharmaceutical Dosimetry, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37830. No fee stated.

october 5-10 . . .

Six-day 31st annual session of the American Association of Laboratory Animal Science. Indianapolis, IN. Contact J.J. Garvey, Exec. Secy., American Association for Laboratory Animal Science, 210 N. Hammes, Suite 205, Joliet, IL 60435 (815) 729-1161. Fees: members, \$25; others, \$35.

october 6-7 . . .

Two-day Sixth Annual Symposium on Statistics and the Environment. Co-sponsors are The American Bar Foundation, the American Economic Association, the American Public Health Association, the American Statistical Association, the Committee on National Statistics of the National Academy of Sciences — National Research Council, the Natural Resources Law Section of the American Bar Association and the Society of Toxicology. Washington, DC. Contact Dr. M.L. Straf, National Research Council, Assembly of Behavioral and Social Sciences, 2101 Constitution Ave., Washington, DC 20418 (202) 389-6621. No fee announced.

october 7-10 . . .

Four-day third Oak Ridge radiopharmaceutical dosimetry symposium, focusing on questions related to obtaining biologic information needed to improve radiation dose estimates. Topics will include radiopharmaceutical kinetic and retention data, data collection and extrapolation of animal data to humans. Co-sponsored by the Radiopharmaceutical Internal Dosimetry Information Center, Oak Ridge Associated

Universities, U.S. Dept. of Energy, U.S. Food and Drug Administration's Bureau of Drugs and its Bureau of Radiological Health. Oak Ridge TN. Contact R. Cloutier, Program Committee, Symposium on Radiopharmaceutical Dosimetry, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37830. No fee stated.

october 14-16 . . .

Three-day international symposium on chemical mutagenesis, human population monitoring and genetic risk assessment. Topics will include current problems in identifying and studying human populations exposed to known or suspect mutagens or carcinogens, methods of mutagen detection, assessment of genetic risk and strategies for future development. Program will include main sessions, panel discussions and a poster session. Abstracts for poster session presentations are invited. Poster session subjects include mutagenicity and population monitoring studies, plus methods relevant to assessment of genetic risk. Simultaneous English/French translation available throughout. Co-sponsored by the Canadian Dept. of National Health and Welfare, the Intl. Commission for Protection Against Environmental Mutagens and Carcinogens (I.C.P.E.M.C.), the UN

Environment Programme (U.N.E.P.) and the Genetics Society of Canada. Limited to 400, early application is advised. Ottawa, Ontario. Contact L. Belanger, Conference Administration, Health Protection Branch, Sir Frederick Banting Bldg., Tunney's Pasture, Ottawa, Ontario, Canada K1A 0L2.

march 4-7 (1981) . . .

Four-day symposium on chemical indices and mechanisms of organ-directed toxicity. Intended to provide an international forum for interchange and dissemination of current information about chemical indices and mechanisms of organ-directed toxicity in man and experimental animals. Attention will focus on drug-related toxic effects, as well as relevant studies of environmental and occupational xenobiotics. Sessions will cover both clinical and experimental aspects of target organs. Abstracts of research papers are invited for consideration. Official language, English only, no translations. Proceedings will be published. Co-sponsored by the International Union of Pure and Applied Chemistry (UPAC) and the International Union of Pharmacology (UPHAR). Barcelona, Spain. Contact Symposium Secretariat, Chemical Indices & Mechanisms of Organ-Directed Toxicity, 142-144 Oxford Rd., Cowley, Oxford, OX4 2DZ, United Kingdom. No fee stated.

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