



Society of Toxicology NEWSLETTER

JULY/AUGUST 1988

SOT AWARDS AND NOMINATIONS

Call for 1989 Nominations

The Nominating Committee asks your help in the preparation of the slate of nominees for the 1989 SOT elected officers and members of elected standing committees. The offices to be filled in 1989 include the Vice President-Elect and two Councilors. Additionally, two members will be elected to the Membership Committee and Education Committee and four members to the Nominating Committee. The terms and duties of each position are described in the By-Laws. There are many SOT members with the ability and enthusiasm to willingly serve the Society in these important positions. Please send your recommendations to any member of the Nominating Committee: Chairperson **John Doull**, **Robert L. Dixon**, **Jeanne M. Manson**, **Bernard A. Schwetz** or **Richard S. Waritz**. Act now! Your suggestions must be received by Oct. 1, 1988.

Nominations Sought for Honorary Memberships

SOT members are encouraged to nominate individuals for Honorary membership in the Society. In accordance with the SOT By-Laws,

Candidates for Honorary membership are nominated by two Voting or Associate members of the Society including members of Council. Nominations shall be accompanied by seconding letters and information regarding career achievements in toxicology. Election of Honorary members shall be by a two-thirds majority vote of Council. Not more than two Honorary members shall be elected during any one term of Council. Honorary members shall not be eligible to vote and shall not be assessed dues.

Please send nominations and accompanying documents to the Executive Secretary, SOT, 1133 Fifteenth Street, NW, Suite 1000, Washington, DC 20005.

Nominations for Society of Toxicology Award for 1989

The progress of toxicology has resulted in many worthy potential candidates for the various Society of Toxicology awards. A complete description of each award is given in the Annual Directory of Members, as well as being reproduced on the Awards Nomination Form included with this newsletter. The form is a convenient way for the membership to nominate candidates, but direct letters of nomination with supporting material, as well as other appropriate nomination formats, may also be used.

Each nomination must be submitted by a sponsor and seconders who are members of the Society of Toxicology. The quality of supporting documentation is critical in the review of the nomination of each candidate. Please send all nominations and supporting documentation to the chairperson of the Awards Committee, **Dr. Jerry B. Hook**, SOT, 1133 15th St., NW, Suite 1000, Washington, DC 20005. The deadline for receipt of nominations for the 1989 Awards is **Oct. 1, 1988**.

SOT Student Travel Awards

The Society of Toxicology's Education Committee administers the Student Travel Award Funds, which are available to help defray travel expenses for students attending the 1989 SOT Annual Meeting.

To be eligible for funds, the following criteria must be met:

- The graduate student must be an SOT student member (or applicant for student membership).
- The graduate student must be presenting a paper or poster at the Annual Meeting.
- A fully completed application must be submitted with a copy of the abstract being presented to SOT headquarters prior to Oct. 7, 1988.

Applications have been mailed to all SOT student members. If you have not received your application, please call SOT headquarters (202) 293-5935.

Graduate Fellowship Awards

The Society of Toxicology, through the Education Committee, announces the availability of Graduate Fellowship Awards in Toxicology of \$9,500 each. The Awards are sponsored by **Hazleton Laboratories**, **Hoffmann-La Roche**, and **Procter & Gamble**. The Fellowship Awards are for one year, with the exception of the Hazleton Award which is offered every other year, and are to be administered by the department of the awardees.

Any graduate student with at least two years of graduate study toward the Ph.D. degree in the area of toxicology and whose major professor is a member of the Society of Toxicology may apply. Application forms are available from SOT headquarters. Evaluation by the Education Committee is based primarily on scholastic achievement, letters of recommendation and the dissertation research.

Applications are due by **Oct. 7, 1988**. Finalists will be invited to attend the Society of Toxicology Annual Meeting in Atlanta, Georgia, Feb. 27–March 3, 1989, for an interview. The winners of these awards will be announced at the annual banquet.

Completed applications should be sent to: EDUCATION COMMITTEE, Society of Toxicology, 1133 Fifteenth Street, N. W., Suite 1000, Washington, D.C. 20005.

1989 Burroughs Wellcome Award

The Burroughs Wellcome Fund offers a five-year Toxicology Scholar Award of \$300,000, administered by the Society of Toxicology and awarded to an individual in a U.S. school. A commitment to Toxicology as a basic science by the individual and the institution is a major criterion. Selection is made by the guidance of a five-member committee and based on demonstrated ability and potential of the candidate and strength of commitment of the institution to program quality and the relative importance of the Award to the success of the program.

Applications are to be received by December 1, 1988 by the Chairman, Advisory Committee for the Burroughs Wellcome Toxicology Scholar Award, **Tom S. Miya**, School of Pharmacy, Beard Hall, Campus Box 7360, University of North Carolina, Chapel Hill, North Carolina 27599 (Telephone: 919/966-1121).

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President's Message



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MARK YOUR CALENDAR!

1989 SOT ANNUAL MEETING
February 27–March 3
The Atlanta Hilton and Towers
Atlanta, Georgia

Deadline for next issues: September 15, 1988
November 15, 1988
January 15, 1989
March 15, 1989

Dear Fellow Members:

By now each of you have the abstract form for the 1989 Annual Meeting of the Society of Toxicology to be held February 27–March 3, 1989, at the Atlanta Hilton and Towers, Atlanta, GA. The Program Committee, under the leadership of **Roger McClellan**, has worked hard to plan another top-notch meeting and they need your abstract on time! A general platform session entitled, "Frontiers in Toxicology," will highlight forefront, high quality research selected from submitted abstracts by the Program Committee. I hope everyone will strive to be selected for this important program. The popular poster/discussion sessions that have worked so well the past two years will also continue. Of course, the Continuing Education Program will be offered with some new courses, including one on basic concepts in molecular biology.

Your Council and Committees are hard at work in fulfilling some of the concerns outlined in my first **President's Message**. Issues raised by the Tox-90's Commission are being considered and efforts are underway to generate meaningful program results. For example, an *ad hoc* committee named the Tox-90's Educational Issues Committee has begun to consider the problems entailed in providing adequate primary and continuing education for toxicologists. We will hear more about their activities as the year progresses. In addition, the Technical Committee under the leadership of **Bob Scala** and Council Liaison Member, **Jack Dean**, has undertaken to implement and complete a survey of toxicology manpower needs. This is an important prerequisite to many of the programs outlined by the Tox-90's Commission.

Other Committees are also hard at work. The Regulatory Affairs and Legislative Assistance Committee has thoughtfully considered how SOT might respond to a bill before Congress known as "The Consumer Product Safe Testing Act (H.R. 1635)." As you know, this bill proposes to prohibit the LD50 test and requires justification for the use of any other animal test by any agency involved in regulating "consumer products." Our Society's position on this matter needs to be heard and we thank **Carol Schiller**, **Shayne Gad**, and **Jerry Smith** for their efforts in drafting a response.

In a related matter, **Shayne Gad's** Animals in Research Committee has drafted a brochure that will explain to a concerned public in plain language the need for safety evaluation in an industrial society and the corresponding toxicological research needs. This brochure and a companion position paper on the LD50 will be a useful means for the Society of Toxicology to present its case to those concerned about this important issue. Many thanks to the Committee Members for their ongoing work.

The Public Communications Committee is working closely with the American Chemical Society to develop programs that introduce the concepts of toxicology to younger people and lay people. The initiatives in this program of cooperation look very promising and we can expect some significant accomplishments from this Committee over the next year.

The Education Committee under the leadership of **Mary Jo Vodcienik** has also made significant gains on behalf of their job to "concern themselves with ways in which the Society can advance and promulgate education in toxicology." Progress is being made in expanding the industry-sponsored fellowship programs and it appears likely that a number of new awards will be available by next year. The Committee is concerned, however, with an apparent decrease in the number of applications for the available fellowships. I urge each of you to encourage your departments and colleagues to endorse these fellowships and urge students to apply. Finally, the Education Committee is drafting a brochure for the student membership to provide information on the placement service, student travel awards, fellowships, and other matters of interest to this important category of members. I am sure that we can look forward to completion of this project in the current year.

In closing, I am pleased to announce the authorization of a new Regional Chapter encompassing regions of western Pennsylvania, Ohio and West Virginia. This new Chapter will be underway with their first full-fledged meeting in October. Congratulations to this new Chapter.

Your Council and some Committees will be meeting again in early September. I am sure that I will have more news to report on their progress in my next message.

Best regards,

1989 SOCIETY OF TOXICOLOGY ANNUAL MEETING OUTLOOK

Atlanta

February 27-March 3, 1989
Atlanta Hilton and Towers
Atlanta, Georgia

General Platform Session: "Frontiers in Toxicology"

To acknowledge excellence in toxicology research, the SOT Program Committee has planned a General Session for the 1989 Annual Meeting in Atlanta. The session, "Frontiers in Toxicology," scheduled for Wednesday afternoon, March 1, will highlight platform presentations of forefront, top-quality research, selected by the Program Committee from submitted abstracts.

All meeting registrants should plan to attend this session. The session will be chaired by **Drs. Roger O. McClellan and Curtis D. Klaassen**, and will be composed of up to ten presentations of 15 minutes duration with five minutes discussion for each.

The Program Committee intends that it be a special honor to have been selected for this session and that those selected should pay exceptional attention to the presentation of the substance and the slides used in the presentation.

A space is provided on the abstract form should you not desire your abstract to be considered for presentation in the General Session. Your abstract will be considered for submission unless you specifically indicate that it should not.

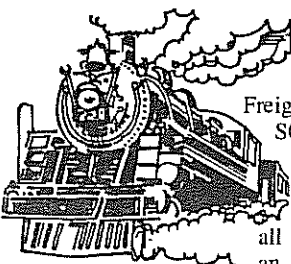
Poster/Discussion Sessions

Poster/Discussion Sessions, which have been popular over the past two years, will be held once again. Abstracts will be selected by the Program Committee for presentation in these sessions and grouped into suitable topic areas.

Annual Meeting Banquet

All meeting registrants may sponsor and prepay for tables of 10 at the Annual Meeting Banquet and Awards Presentation held Thursday evening, March 2. Registrants who purchase individual seats either in advance or at registration may choose their seating arrangements prior to the banquet. Requests will be honored on a first come, first served basis.

A Night at the Old Georgia Freight Depot



On Tuesday, February 28, the Society of Toxicology will sponsor a Southern Bar-B-Que at the Georgia Freight Depot, Atlanta's oldest structure. SOT guests will be taken by bus to the Depot, which is just minutes away from the Atlanta Hilton. You will be greeted by a Dixieland Band playing all the favorites of yesteryear, and served an all-you-can-eat Southern Bar-B-Que

Dinner. Further information will be provided in the preliminary program.

1989 Abstract Submission

When submitting abstracts for the 1989 Annual Meeting, please include: an introductory sentence on the reasons for the work and its scope, a few sentences to describe salient and crucial experimental procedures, the data that clearly demonstrate the important results obtained and the main conclusions.

The Program Committee has decided, with the concurrence of Council, to allow only one senior (first) authorship of abstracts for the 1989 meeting. There will be no limit, however, on the number of abstract co-authorships or sponsorships.

An abstract submission fee of \$25 must accompany all abstracts. Purchase orders and other promises to pay are not acceptable.

This year the keyword index for abstracts will be prepared from the information provided on the original abstract submission form. It is important to provide up to threetods that best describe the area of research.

It is necessary for the SOT Headquarters Office to adhere strictly to the stated guidelines and deadline date, October 7, 1988, so the preliminary program and registration materials can be mailed to the SOT membership in a timely fashion. Any abstract submitted without the submission fee and/or not properly typed will be returned.

Registration Information

The preliminary program with housing and air travel information, will be mailed to the membership in early December 1988.

Communicating Concepts

A special poster demonstration session, entitled "Communicating Basic Concepts in Toxicology to Non-Scientists," will again be held at the 1989 Annual Meeting of the Society of Toxicology. The objective of the session is to provide an opportunity for SOT members to exchange and share teaching and informational materials, which can be utilized in presenting basic concepts in toxicology to groups of non-scientists, such as media personnel, secondary school students and health practitioners.

Members of SOT are invited to participate by submitting formal abstracts describing concepts and/or materials to be presented, using the standard abstract form. Abstracts for this session should be identified by checking Session Topic number 26, "Communication/Education," on the abstract form. Appropriate topics include computer programs, instructional materials and informational resources.

The session will be formally presented in the afternoon on the first day of the meeting and will remain posted throughout the second day for informal communications. Members may obtain further information on the session from **Dr. Arthur L. Craigmill**, Chairman, SOT Committee on Public Communications, (916) 752-2936.

Chapter News

Midwest Chapter

The Spring Meeting of the Midwest Regional Chapter of the Society of Toxicology took place on May 6, 1988 at Marriott's Lincolnshire Resort and was attended by over 125 people. The meeting focused on clinical toxicological and clinical aspects of HIV therapies. Both the topic and speakers were well received by attendees.

Dr. **Toshio Narahashi** won the 1988 Dubois award, which is given annually to an outstanding toxicologist in the Midwest.

For the first time poster presentations were included at the meeting. The best presentation award went to the paper entitled "Microcystin-A Induces Morphologic and Cytoskeletal Hepatocyte Changes *In Vitro*," by S. Hooser, V. Beasley, and W. Haschek of the University of Illinois. The prize will be the reimbursement of expenses (registration, airfare, and lodging) to attend the Annual Meeting of the Society of Toxicology.

Northeast Chapter

The Northeast Chapter of the Society of Toxicology has announced a new slate of officers elected in the Spring of 1988. They are as follows: President—**Judith Marquis**, President-Elect—**Robert Schatz**, Vice President—**Stanley Stadnicki**, Secretary-Treasurer—**Carol Walsh**, Councilors—**Halina Brown**, **Russell Malcolm**, **Zahir Shaikh**.

Southeastern Chapter

The Southeastern Regional Chapter of the Society of Toxicology held its annual meeting at the University of Tennessee College of Veterinary Medicine in Knoxville on June 24–25, 1988. Approximately 50 people from four states were in attendance. The theme of the scientific portion of the meeting was environmental toxicology with invited talks being presented by Bob Huggett of the Virginia Institute of Marine Science and Richard Digulio of Duke University. There were six other platform papers and 11 posters presented in the sessions on Friday afternoon and Saturday morning. Six student presentations were considered for an award which was won by Samir F. Abd-Elghafar, a graduate of the Toxicology Program at North Carolina State University who is currently at Auburn University. On Friday evening the local arrangements committee, chaired by Walter Farkas, hosted a southern style barbecue on the back lawn of the University of Tennessee faculty club overlooking the Tennessee River. All of the participants felt that the meeting was a success and are looking forward to next year's meeting which will be at the Medical College of Georgia in Augusta.

Michigan Chapter

The Annual Spring Scientific Meeting of the Michigan Regional Chapter of the Society of Toxicology was held on May 20, 1988, at Michigan State University and was attended by 131 individuals. A symposium on Endocrine Toxicology included speakers Dr. Walter Piper of the University of Michigan, Dr. Jerold Heindel of NIEHS, Dr. Richard Kukelow of Michigan State University, and Dr. **Jeanne Manson** of Smith Kline & French Laboratories.

The program also included an open poster session. The inauguration of two poster awards occurred at the meeting: the Outstanding Scientific Presentations Award, presented to a student or postdoctoral fellow who is the senior author of a poster outstanding among his/her peers, and the Merit Award, presented to the senior author of a poster which demonstrates exceptional merit. Recipients of the 1988 awards were Mr. Christopher Miller, Michigan State University (Outstanding Scientific Presentation Award), and Dr. **Michael Olson**, General Motors Research Laboratories (Merit Award).

Officers for 1988–1989 were announced and include: President Dr. **K.S. Rao**, President-Elect Dr. **James Bus**, Vice-President Dr. **Paul Hollenberg**, Secretary-Treasurer Dr. **Judith Henck**, Councilors Dr. **Michale Brabec**, Dr. **Patricia Beattie**, and Dr. **Walter Piper**.

Watching Washington

State Legislative Re-Cap

Animal research was at the forefront of many state legislative proceedings when they adjourned for the summer. Including carry-over bills, 55 measures affecting the use of animals in research, testing and education have been considered in 22 states.

Legislation concerning the use of pound animals in research has been addressed in a dozen states. Bills denying access to in-state pounds for research facilities have failed in KY, MN, WA, and WV.

A bill to deny the use of animals obtained from pounds both within and outside the state or require the use of only purpose-bred animals for research is pending in NY, PA, and VA. Similar legislation failed in KY, VT, and WA.

A bill seeking the deletion of an existing law requiring or allowing pounds to release animals for research is under consideration in OH, while legislation of this type failed upon adjournment of the 1988 session in IA, OK, and UT.

Measures prohibiting the use of animals for safety tests of certain products are still pending in IL, MA, NJ, and PA. Similar legislation was earlier rejected in MD and HI.

The use of animals for educational purposes also received significant legislative attention during the 1988 session. Bills in IL, MA, NY, and PA would allow students through the 12th grade the option not to perform dissections. In Florida, a bill regulates the use of animals in primary and secondary schools, as well as colleges and universities. Resolutions in HI have requested an in-depth study of the use of animals in public schools and the University of Hawaii, and a bill requiring state universities in Washington to publish an annual report of all research involving animals has failed.

A variety of legislation concerning the licensing and regulation of facilities using animals in research is under consideration in KS, IA, PA, MN, and MA. Fifteen bills have surfaced this year that would amend state animal cruelty statutes. Most of the bills increase penalties for animal cruelty, however three bills affect research. A Nebraska resolution exempting research from the cruelty statutes has died. A Vermont bill sought to amend the current exemption for research, and legislation pending in Pennsylvania would delete the current exemption provided for research.

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Annual Reviews Available to SOT Members at Discount

Annual Reviews Inc., a nonprofit, scientific publisher, has scheduled a number of annual reviews in 1989 which will be available to Society of Toxicology members at a discount.

Annual Reviews scheduled include Anthropology, Astronomy and Astrophysics, Biochemistry, Biophysics and Biophysical Chemistry, Cell Biology, Computer Science, Earth and Planetary Sciences, Ecology and Systematics, Energy, Entomology, Fluid Mechanics, Genetics, Immunology, Materials Sciences, Medicine, Microbiology, Neuroscience, Nuclear and Particle Science, Nutrition, Pharmacology and Toxicology, Physical Chemistry, Physiology, Phytopathology, Plant Physiology, Public Health, and Sociology.

A listing of the Annual Reviews is available from Annual Reviews, Inc., 4139 El Camino Way, P.O. Box 10139, Palo Alto, CA 94303-0897. To qualify for the 20% SOT discount, please send your order with payment to the SOT headquarters office.

July/August 1988 Membership Changes

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Geraldine A. Wojcek
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Name Changes:

Karla D. (Stout) Thrall

In Memoriam

Leonard J. Vinson
Charter Member

Robert L. Dixon
Past President

Publications of Interest

Aging in Today's Environment, a limited number of complimentary copies of the report are available from Dr. Andrew Pope, Board on Environmental Studies and Toxicology, National Research Council, Commission on Life Sciences, 2101 Constitution Ave., Washington, DC 20418. Once the complimentary stock is exhausted, photocopies will be available for approximately \$15.00.

1988 Annual Book of ASTM Standards, Section One, 0-8031-1082-0, list: \$355.000, member: \$335.00, ASTM, 1916 Race St., Philadelphia, PA 19103, (215) 299-5585.

Asthma Reviews, Volume 1, 0120409261, Harcourt, Brace, Jovanovich, Foot Cray High Street, Sidcup, Kent DA 145HP, U.K. Telephone: 01-300-3322.

Atlas of Experimental Toxicology Pathology, C. Gopinath, D.E. Prentice, D.J. Lewis, \$99.00, Kluwer Academic Publishers, Order Department-M, P.O. Box 358, Accord Station, Hingham, MA 02018-0358.

Chemical and Physical Behavior of Human Hair, 2nd ed., Springer-Verlag New York, Inc. \$62.50, P.O. Box 2485, Secaucus, NJ 07096-2491.

Chemical Hazard Communication Guidebook. OSHA, EPA, and DOT Requirements, 0-88-57-990-0/B8120. \$75.00, Executive Enterprises Publications Co., 22 West 21st St, New York, NY 10010-6904.

Emergency Planning and Community Right-to-Know Law, a New Videotape on Section 313, 3/4inch: \$30.75. Beta I or II: \$22.95. VHS: \$22.00. Color Film Corporation, Video Division, 770 Connecticut Avenue, Norwalk, CT 06854, (800) 882-1120.

Good Laboratory Practices: An Agrochemical Perspective, U.S. & Canada \$39.95, Export \$47.95. American Chemical Society, Dept. 390, 1155 Sixteenth St., NW, Washington, DC 20036, (202) 872-4600.

Guide to State Environmental Programs, BNA Books, \$40.00. BNA Books Distribution Center, 300 Raritan Center Parkway, C.N. 94, Edison, NY 09919, (please include your state's sales tax and shipping charges of \$3.00 for the first book and \$1.00 for additional copies), telephone orders call (201) 225-1900.

Handbook of Drugs for Tropical Parasitic Infections, 085066-404-7. Taylor and Francis, 242 Cherry St., Philadelphia, PA 19106-1906, 1-800-821-8312.

Handbook of Hazardous Waste Management For Small Generators, \$39.95, Russell H. Phifer and William R. McTigue, Jr., Lewis Publishers Inc., 121 South Main St., P.O. Drawer 519, Chelsea, MI 48118, phone orders: 1-800-525-7894.

Health United States 1987, \$13.00 (checks payable to Superintendent of Documents), U.S. Government Printing Office, Dept. SSMC Washington, DC 20402.

Monographs on the Evaluation of Carcinogenic Risks to Humans, International Agency for Research on Cancer, Supplement #7, \$41.00, WHO Publications Center, 49 Sheridan Ave., Albany, NY 12210, (518) 436-9686.

New Developments in Biotechnology: Field Testing Engineering Organisms, \$7.50 (checks payable to the Superintendent of Documents), U.S. Government Printing Office, Dept. SSMC, Washington, DC 20402.

Occupational Safety and Health Law, \$85.00, BNA Books Distribution Center, 300 Raritan Center Parkway, C.N. 94, Edison, NJ 08818, phone orders (201) 225-1900.

Pesticide Metabolism: Extrapolation from Animals to Man, J. Miyamoto, \$22.50, Blackwell Scientific Publications, Inc., 667 Lytton Ave., Palo Alto, CA 94301.

Quality Assurance of Chemical Measurement. 0-87371-09705, John Keenan Taylor, Lewis Publishers, Inc., 121 South Main St., P.O. Drawer 519, Chelsea, MI 48118.

A Question of Safety, On the Need for Laboratory Animals in Product Safety Testing, Federal I.I. #04-2746997, VHS or Beta: \$35.00. 3/4 U-matic: \$40.00. The Foundation for Biomedical Research, 818 Connecticut Avenue, NW, Suite 303, Washington, DC 20006.

Selectivity and Molecular Mechanisms of Toxicity, F. DeMatteis-E. Lock, \$65.00. MacMillan Publishing, Co., 866 3rd Ave. New York, NY 10022.

Toxicology-Biomedical Reference Catalog, PSG Publishing Company, Inc., 545 Great Road, P.O. Box 6, Littleton, MA 01460, 1-800-225-5020.

Toxicology, A Primer on Toxicology Principles and Applications—Indoor and Outdoor Air, Drinking Water, Food, Workplace Environment. 0-87371-133-5, Michael A. Kamrin, \$27.50. Lewis Publishers, Inc, 121 South Main St., P.O. Drawer 519, Chelsea, MI 48118.

Urban Ozone and the Clean Air Act: Problems and Proposals for Changes, \$8.50 (checks payable to the Superintendent of Documents), U.S. Government Printing Office. Dept. SSMC, Washington, DC 20402.

U.S. Environmental Laws, 1988 Edition, \$45.00, BNA Books Distribution Center. 300 Raritan Center Parkway, C.N. 94, Edison, NJ 08818. Telephone orders (201) 225-1900.

Order any of the following nine publications from: (In North America) Elsevier Science Publishing Co., Inc., Attn: A. Essen, P.O. Box 1663, Grand Central Station, New York, NY 10163-1663. In the rest of the world: Elsevier Science Publisher, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. Note: Add \$33.00 postage and handling for delivery outside of the United States of America.

Basic Methods in Molecular Biology, 0-444-01082-3, \$37.50 (Dfl. 120.00 outside North America) Davis, Dibner, Battey (eds).

Cloning Vectors: A Laboratory Manual, 0-444-90401-8, \$80.00, (Dfl. 210.00 outside North America), Pouwels, EngerValk/Brammer.

Current Advances in Vitamin K Research, 0-444-01299-9, \$95.00, (Dfl. 195.00 outside North America) Suttie (ed).

Home Proteins: Advances in Inorganic Biochemistry, Volume 7. 0-444-00826-8, \$75.00, (Dfl. 225.00 outside North America), Eichhorn/Marzilli (eds).

Journal of Inorganic Biochemistry, 1988. Volumes 32-34 (12 issues). ISSN 0162-1034, Subscription rate: \$414.00.

Phenothiazines and 1,4-Benzothiazines, R. R. Gupta (ed), \$284.00, (Dfl. 540.00, ISBN 0-444-42967-0).

1986 Supplementary Update, Cloning Vectors: A Laboratory Manual, 0-444-90452-2, \$30.00, (Dfl. 79.00 outside North America).

1987 Supplementary Update, Cloning Vectors: A Laboratory Manual, 0-444-90452-0, \$30.00, (Dfl. 79.00 outside North America).

A Textbook of Modern Toxicology, 0-444-01121-5, \$39.50, (Dfl. 150.00 outside North America). Hodgson, Levi (eds).

SOT Awards (continued from page 1)

Mechanisms Section Award

The Mechanisms Specialty Section of the Society of Toxicology is proud to announce the Seventh Annual Graduate Student Awards for Meritorious Research in Mechanisms of Toxicology. The awards will be presented at the 28th Annual Meeting of the Society of Toxicology in Atlanta, Georgia, February 27–March 3, 1989.

For consideration as a candidate for awards:

1. An abstract must have been submitted to the 1989 Annual SOT Meeting with the graduate student as the presenting author.
2. A copy of the abstract and a statement that it is to be considered for this award must be sent to Dr. Carl C. Smith, 2707 Eden Avenue, Cincinnati, OH 45219 by **October 14, 1988**. Two letters recommending the graduate student and the research project must accompany the abstract. One of the recommendations must be from the department or section head.
3. *Up to three abstracts may be submitted by a department or program.* The department or program must decide which graduate students best represent them.
4. The graduate student may be sponsored for this award by any person who is in the *general membership of the Society of Toxicology*.

After all the abstracts and recommendations have been reviewed by a committee, finalists will be selected by November 7 and asked to submit a full-length manuscript on the research outlined in their abstract. Approximately 12 finalists will be selected. Instructions for preparing and submitting manuscripts will be provided. Awards will be given to the first, second, and third places with the other finalists receiving honorable mention. Amounts of the awards will be announced in the September/October SOT Newsletter.

Any questions concerning the Graduate Student Awards in Mechanisms of Toxicology should be directed to Dr. Carl C. Smith (home: 513/751-3315 or office: 513/558-0520) or Dr. Richard Peterson (office: 608/263-5453).

Reproductive and Development Toxicology Postdoctoral Fellows

We announce our intention to make three awards of recognition for the best platform and/or poster presentations by either graduate students or postdoctoral fellows in the areas of reproductive and developmental toxicology at the 1989 Annual Meeting of the Society of Toxicology in Atlanta, Georgia, to be held February 27 through March 3. Approximate areas of research include male and female reproductive toxicology, reproductive endocrinology, teratology/developmental toxicology, and postnatal functional assessment. Candidates for these awards are requested to send a copy of the abstracts submitted to the Society to the address listed below by November 15.

Abstracts or posters should describe original research which may include applied studies, investigations of mechanisms involved in toxic response, and studies on basic biochemical, physiological, and/or genetic mechanisms of action. Interested individuals may request Society information and abstract forms from the address given below. Preliminary evaluation by a committee of scientists from the Reproductive and Developmental Toxicology Section may lead to a formal request for a draft document to be submitted by February 1, which describes the salient features of the research in greater detail. All submitted documents will be treated as privileged information. The successful candidates will be announced at the Annual Meeting of the Specialty Section.

For information contact: Dr. Neil Chernoff, Health Effects Research Laboratory (MD-2) U.S. Environmental Protection Agency, Research Triangle Park, NC 27711, (919) 541-2651.

AAAS/Westinghouse Award

The American Association for the Advancement of Science/Westinghouse Electric Fund invites nominations for the 1988 AAAS/Westinghouse Award for Public Understanding of Science and Technology.

This annual award for working scientists and engineers from all disciplines who make outstanding contributions to public understanding of science and technology, but who are not members of the media, will be presented during the AAAS Annual Meeting in San Francisco, January 15–20, 1989.

The Award carries a \$2,500 prize received this year by Philip Morrison of the Massachusetts Institute of Technology. For additional information contact Patricia S. Curlin, Administrator of the Award, AAAS Committee on Public Understanding of Science and Technology, 1333 H Street, NW, Washington, DC 20005, 202/326-6600.

March of Dimes Award

The March of Dimes has announced grants for programs designed to recognize and quantify adverse reproductive effects in persons exposed to physical or chemical agents in the workplace, home, community and environment.

Investigations may be based on studies of exposed groups or the evaluation of risk and should be designed as components of an overall model system. For additional information concerning the specifications for each approach, as well as any other questions regarding this research support program, write or call: Grants Administration, March of Dimes Birth Defects Foundation, 1275 Mamaroneck Avenue, White Plains, NY 10605, (914) 428-7100.

Executive Office News

Personnel Changes

The SOT headquarters reports that Fran Keithley has left the SOT staff to spend more time with her children. As you may recall, when she first came to IMG to work with SOT, it was in a decidedly part-time capacity, which became increasingly full-time and even overtime. We wish her well with her new job.

SOT is pleased to introduce, Donna Thomas, who has succeeded Fran on a full-time basis. The division of labor between Melissa Clem and Donna will continue as before. Donna comes to us from an association management firm in Alexandria, Virginia, as membership services assistant.

SOT Directory

By now, SOT members should have received their 1988 Membership Directory. If your listing is incorrect in any way, please submit your correct listing to the SOT office in writing as soon as possible.

Please see the enclosed insert for corrections and changes received to date, which you may wish to note in your Directory.

Coming Events

Symposium/Conference on Scientific Trends and Their Impact on Policy Formation In Human Toxic Risk Assessment, September 18–21, 1988, at Stanford University, sponsored by the Chemical Industry Institute of Toxicology and Stanford University. For program and registration information, contact: Ms. Linda Bauman, Industrial Affiliates Program, Chemistry/Chemical Engineering, Stanford University, Stanford, CA 94305, 415/723-4748.

The Autumn Meeting of the British Toxicology Society with a Symposium on Ecotoxicology organized in association with the Institute of Biology, September 22–23, 1988, at the University of Oxford (New College). Contact Mrs. Barbara Cavilla at the Institute of Biology, 20 Queensberry Place, London, SW7 2DZ, for additional information.

The Economic Impact of AIDS, September 27, 1988, The Thomas B. Turner Building, The Johns Hopkins Medical Institutions, Baltimore, MD, sponsored by the School of Hygiene and Public Health, Department of Health Policy and Management. Contact the Program Coordinator, Office of Continuing Education, The Johns Hopkins Medical Institutions, Turner 22, 720 Rutland Avenue, Baltimore, MD 21205, (301) 955-2959.

The Sixth Symposium of Cutaneous Toxicity, presented by the American Academy of Dermatology, September 27–28, 1988 will be held in Washington, DC, at the Mayflower Hotel. Registration deadline is September 19, 1988. To receive a brochure for the Symposium, write or call: Department of Education, American Academy of Dermatology, P.O. Box 3116, Evanston, IL 60204-3116, (312) 869-3954.

Toxicological Implications of Altered Gap Junctional Intercellular Communication, September 28–30, 1988, East Lansing, MI, presented by the Michigan State University Center for Environmental Toxicology, C-231 Holden Hall, Michigan State University, East Lansing, MI 48824-1206, (517) 353-6469.

1988 Meeting of the Society of Forensic Toxicologists, September 28–October 1, 1988, The Hershey Hotel, Philadelphia, PA. Contact Jane Speaker, Ph.D., 2112 Cherry Street, Philadelphia, PA 19103.

Pathogenic Protozoa in Water, September 29, 1988, **DNA Probes: From industrial to Diagnostic Testing**, September 29–30, 1988, Chicago, IL, Contact Workshop Registrar, Professional Development, American Society for Microbiology, 1913 I St., N.W., Washington, D.C. 20006, (202) 833-9680.

Sixth International Neurotoxicology Conference: "Drug Abuse and Brain Development," October 10–14, 1988, Little Rock, AR. Contact Dr. Joan M. Cranmer, Department of Pediatrics #512, University of Arkansas for Medical Sciences, Little Rock, AR 72205, (501) 370-2986.

Principles of Genetic Toxicology Testing, October 13, 1988, **Biodegradation Assessment of Environmentally Relevant Chemicals**, October 14, 1988, **Disinfectants and Preservative Testing**, October 13, 1988, **Use of Industrial Ethylene Oxide and Steam Sterilization Biological Indicator**, October 14, 1988, **Limulus Amebocyte Lysate Testing: Pharmaceutical Uses**, October 14, 1988, Valley Forge, PA. Contact Workshop Registrar, Professional Development, American Society for Microbiology, 1913 I St., N.W., Washington, D.C. 20006.

The Annual Meeting of the International Society of Regulatory Toxicology and Pharmacology, entitled: "Will Proposition 65 Proliferate or Science Prevail?", October 17–18, 1988 at the Omni International Hotel, Inner Harbor Place, Baltimore, MD. Direct inquiries to: C. Jelleff Carr, Ph.D., Secretary, 6546 Belleview Drive, Columbia, MD 21046 (301) 992-9083.

The Expanding Scope of the Quality Assurance Professional, 1988 Annual Meeting of the Society of Quality Assurance, October 18–23, 1988, Nashville Hotel, Tennessee. Contact Society of Quality Assurance, P.O. Box 1029, Princeton, NJ 08540.

Prospects and Opportunities for Risk Analysis, 1988 Annual Meeting of the Society for Risk Analysis, October 30–November 2, 1988, the Mayflower Hotel, Washington, D.C. Contact the Society for Risk Analysis, 8000 Westpark Drive, Suite 400, McLean, VA 22102, (703) 790-1745.

The American College of Toxicology Annual Meeting, October 31–November 2, at the Sheraton Inn Harbor Hotel, Baltimore, MD. For further information please contact: Alexandra Ventura, American College of Toxicology, 9650 Rockville Pike, Bethesda, MD 20814, (301) 571-1840.

18th Conference on Toxicology, November 1–3, 1988, Holiday Inn Conference Center/I-675, Fairborn, OH, sponsored by the U.S. Air Force Harry G. Armstrong Aerospace Medical Research Laboratory and the Naval Medical Research Institute/Toxicology Detachment. Abstracts solicited and accepted until August 15, 1988. Attendance is limited and preregistration recommended. Contact Debbie Ussery, Conference Coordinator, Northrop Services, Inc., Box 12313, Research Triangle Park, NC 27709, (919) 549-0611.

Sixth Medic Asia, November 9–12, 1988, Singapore, Contact Interfam Trade Fairs Pte Ltd., 510 Thompson Road #10-03, SLF Complex Singapore 1129, (065) 2599688.

Dioxins Toxicology—Current Research, sponsored by the Mid-Atlantic Chapter, Society of Toxicology, November 10, 1988, Princeton, NJ. For further details contact: S.L. Longacre, Ph.D. Toxicology Dept., Rohm & Hass, 727 Norristown Road, Spring House, PA 19477, R.S. Waritz, Ph.D., Medical Dept. Hercules Inc., Hercules Plaza, Wilmington, DE 19894.

Society of Environmental Toxicology and Chemistry, November 13–17, 1988, Crystal City Hyatt Regency. Contact Brooke Reuther, SETAC, 1133 15th Street, NW, Suite 1000, Washington, DC 20005, (202) 785-2778.

"Biology, Toxicology, and Carcinogenesis of Respiratory Epithelium" is the title of a meeting sponsored by the Inhalation Toxicology Research Institute, November 14–16, 1988, in Albuquerque, NM. Contact: Dr. David G. Thomassen, Lovelace Inhalation Toxicology Research Institute, P.O. Box 5890, Albuquerque, NM 87185, (505) 844-2404.

The 21st Annual Symposium of the Society of Toxicology of Canada, November 30 to December 1, 1988, will be held at the Delta Hotel in Montreal. For more information contact: Gordan Krip, Ph.D., Executive Director, Society of Toxicology of Canada, C.P./P.O. Box 517, Beaconsfield, Quebec, H9W 5V1, Canada.

Field and Laboratory Sampling of Food, Drugs, and Agricultural Commodities short course, November 30–December 1, 1988, Arlington, VA. Contact Association of Official Analytical Chemists, Education Department, 1111 North 19th Street, Suite 210, Arlington, VA 22209, (703) 522-3032.

The Second Meeting of the International Neurotoxicology Association (INA), May 22–26, 1989, will be held in Sitges, Barcelona, Spain. For more information on the meeting, please contact: Dr. E. Rodriguez Farre, Secretariat II INA Meeting, Dept. of Pharmacology and Toxicology CSIC, Jorge Girona Salgado, 18–26, BARCELONA, E-08034, Spain.

Fifth International Conference on Environmental Mutagens, July 10–15, 1989, Cleveland, OH, Contact Fifth ICEM 1989, Department of Environmental Health Sciences, School of Medicine, Case Western Reserve University, 2119 Abington Road, Cleveland, OH 44106, (216) 368-6213.

Fifth International Congress of Toxicology, July 16–21, 1989, Brighton, United Kingdom. Contact IUTOX '89, Congress House, 65 West Drive, Sutton, Surrey SM27NB, UK.

Third International Symposium on Poisonous Plants, July 23–29, 1989, The Conference and Institute Division of Utah State University, Logan, UT. Contact Dr. Lynn F. James, USDA-ARS Poisonous Plant Research Laboratory, 1150 East 1400 North, Logan, UT 84321, (801) 752-2941.

Watching Washington

APHIS Oversight Hearings Held In House

James W. Glosser, D.V.M., M.S., APHIS (Animal and Plant Health Inspection Service) Administrator, called before a hearing of the House Agriculture Subcommittee on Department Operations, Research and Foreign Agriculture, on July 7, used the opportunity to provide comprehensive information on the agency's reorganization and a wide range of APHIS activities.

Dr. Glosser stated that new Animal Welfare Act regulations were in the final stages of departmental and interagency review and their economic impact was sufficient to define them as major rules. These regulations will require an extensive review process. Dr. Glosser expects the regulations, including new dog and primate provisions, will be forwarded to the Office of Management and Budget very soon. An OMB review will take at least 60 days.

Subcommittee Chairman George Brown (D-CA) and Pat Roberts (R-KS) expressed concern about the ability of APHIS to administer the Animal Welfare Act. They requested that Dr. Glosser provide a written response describing the cost of the new regulations to APHIS as well as the economic impact on regulated entities.

Tough Break-in Bill Passed in MA

The Massachusetts Legislature has passed bill H 5097 mandating stiff penalties for those convicted of breaking into research facilities. The law states, "Whoever enters any premises in which animals are being housed or used in research by a research institution and, without authority, injures, damages, commits any trespass upon, removes or carries away any data, equipment, facility or property or injures, damages, removes, carries away, interferes with or releases any animal shall . . . if such action is malicious and willful, be punished by imprisonment in the state prison for not more than ten years; or by a fine of not more than twenty-five thousand dollars and imprisonment in a jail or house of correction for not more than two and one-half years." If such action is "willful, but not malicious," the individual faces imprisonment in a state prison for not more than five years, or a fine of not more than ten thousand dollars and imprisonment for not more than two and one-half years.

The new Massachusetts Law takes effect on October 25, 1988, 90 days from its date of passage. Minnesota enacted a similar Law on August 1, 1988.

U Cal Report on Animal Testing Alternatives

Responding to a request from the state legislature, the University of California has produced a report on alternatives to the use of animals in research. A committee of 16 scientists from the University of California (UC), Stanford, Caltech, and the University of Southern California prepared the report, which looks at the current state of animal research within the university system and finds it fundamentally sound. Although the report documents progress in reducing the number of laboratory animals, it concludes that the use of live animals will continue to be necessary.

The report credits new research methods including cell culture techniques, computers and advanced technologies with reducing the number of animals used in medical experiments by 22 percent during the period from 1982-3 to 1986-87. Copies of the UC Report are available from the Office of Research of the President, UC, Berkeley, CA 94729.

Washington Conference on Risk Assessment A Success

The third annual Washington conference, sponsored by the American Industrial Health Council, was conducted with the theme, "Risk Assessment Applied: Policy and Perception." Held on May 11, 1988, the conference was attended by over 100 people from the industry, scientific and government communities. Speakers unanimously called for stronger communications among government, industry and the public.

Christine Russell, national health and science reporter from *The Washington Post*, mentioned the problems caused by "information overload" in relation to judging what constitutes a health hazard. Humphrey Taylor, President of Louis Harris and Associates credited the public's inability to base its opinion of risk on hard statistical data with confusing the issues surrounding risk assessment. He called for increased cooperation and communication among regulators, industry and the public. In order for this to occur, he said, "the public must be given adequate information."

Dr. Gerhard Zbinden, Director of the Institute of Toxicology and the Swiss Federal Institute of Toxicology, pointed out that the European scientific communities enjoy a much closer relationship between industry, academia, and government. He added that, recently, public confidence in the chemical industry has been eroded by several chemical disasters, but the risk from chemicals is not as serious as some believe. Zbinden called for an approach to risk management that is "a positive but complex interplay of chemistry, economics, politics and emotions."

Dr. Peter Galbraith, Chief of the Connecticut Bureau of Health Promotion, expressed disappointment in the communications between health and environment people at the State and Federal Levels, but praised efforts made by the Connecticut Department of Health Services to institutionalize the relationship between industry and government.

NABR Offers Comparative Analysis of Federal Regulatory Measures

A comparative analysis of the Animal Welfare Act (AWA), Health Research Extension Act (HREA) and other federal regulations has been prepared by the National Association For Biomedical Research. This side-by-side analysis of the Animal Welfare Act, The Health Research Extension Act and other Federal regulations governing the use of animals in research is available from SOT Headquarters.

National Cancer Groups Support Animal Research

The National Cancer Advisory Board and the President's Cancer Panel, on May 11th and 25th respectively, passed strong resolutions favoring continued use of animals in research. Both groups stated emphatically that curtailing or prohibiting the use of animals in cancer research would greatly impede the fight against the disease. The President's Cancer Panel also urged vigorous prosecution of parties who illegally disrupt such research.