

# Society of Toxicology NEWSLETTER

JANUARY/FEBRUARY 1990

## Guidelines for the Organization of a Symposium for Presentation at a Meeting of the Society of Toxicology

### Introduction

The Society of Toxicology encourages presentation of symposia on timely topics at its Annual Meeting. Symposia can be valuable for developing new data or new concepts in a way that crystallizes thinking in particular areas. This particular format also helps investigators keep abreast of developments in fields not intimately related to their major interests. The Program Committee is responsible for inclusion of symposia in meetings of the Society and encourages the submission of proposed symposia. The total time assigned for presentations and discussions may be less than but not exceed three hours per symposium.

### Organizing Symposia

Symposia may be proposed by any member or Specialty Section of SOT at any time by communicating in writing with the chairman of the Program Committee, the Vice President of the Society. The letter should present reasons as to why the symposium is desirable and give some details on the proposal. The following points should be addressed:

1) Justification of need for a symposium in the particular field. The number of symposia approved will be limited and the justification will be important in the Committee's evaluation. The justification should include the timeliness of the topic and whether a similar symposium has been presented at a scientific meeting in the recent past.

2) Proposed title.

3) Names of proposed speakers, their professional affiliation, title of their presentations, and perhaps a synopsis in a sentence or two of their topic (a maximum of 2 speakers per institution is recommended.)

4) The intended year of presentation of the symposium.

5) Financial requirements, if any.

6) Publications plans, if any.

### Approval of Symposia

After receipt of a proposal, the chairman will present it to the next meeting of the Program Committee. The Committee generally meets twice a year, in May and November. Sponsors are encouraged to submit proposals as early as possible to ensure adequate review time. The results of committee action will be transmitted promptly to the initiator(s) by the chairman of the Program Committee. If that action is approved, the chairman of the Program Committee will then provide further instructions concerning follow-up correspondence with speakers, finalization of the program, date of the symposium, and publication procedures if it is to be published.

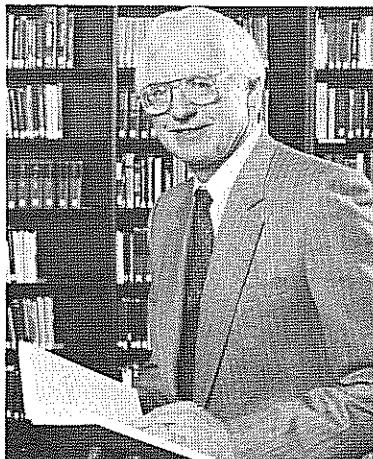
### Publication

All SOT-sponsored symposia come under the general guidelines for publication of SOT-related activities, i.e., the Editors of the official SOT journals, TAP and FAAT, have first right of refusal regarding publications from the

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**Society of Toxicology**  
 1101 14th Street, NW  
 Suite 1100  
 Washington, DC 20005  
 (202) 293-5935  
 FAX (202) 371-1090

**Deadline for Next  
 Issues:**

April 15, 1990  
 June 15, 1990  
 August 15, 1990  
 October 15, 1990

## President's Message

Dear Fellow Members,

**T**he Society of Toxicology is a highly successful organization in part because its members willingly expend many hours working on behalf of the Society. Ultimately, this translates into tens of person-years of effort carrying out committee activities, serving as officers, and performing editorial and other vital functions required to have a thriving Society.

The work of SOT members is greatly facilitated by the efforts of Mrs. Joan Walsh Cassidy and her colleagues with the International Management Group, Inc. (IMG). Since July 1985, the SOT has contracted with IMG to provide management support to the Society. This includes providing a Washington office for SOT. When you call 202-293-5935 to inquire about membership or some other Society matter, an IMG employee answers. Individuals like Donna Thomas, Jennifer Seraphin, Stephanie Fox, Jackie Celcis and Joe Rubel, who help with many different Society activities, are also IMG employees. Your membership records are maintained on an IMG computer. Many SOT committees meeting in Washington use IMG conference facilities. During the last 4-1/2 years, the SOT and IMG have forged a very effective working relationship.

In view of the importance of our supporting contractor, IMG, to the well-being of the Society, it is prudent business practice to periodically review in detail the contract and related working relationship. To this end, I have appointed an ad hoc committee to review the Society's relationship with IMG, providing a preliminary report to Council at its February meeting, and a final report at the following meeting. The committee is chaired by **Dr. Robert Scala** and includes **Drs. Craig Barrow, James Bus, Jane Hixson and Marshall Steinberg**. The Committee will be evaluating past and current services rendered by IMG and providing recommendations as to the nature of the Society's future relationship with IMG. If you have comments to offer on the service IMG has rendered to SOT in the past or might render in the future, I urge you to write or call Dr. Scala.

In a related vein, to facilitate the conduct of the Society's many activities, the Washington office is currently preparing an up-to-date Policy and Procedures Manual to aid in guiding future actions of Officers, Council, Committees and the Washington office. Material in this manual should be extremely useful to individuals assuming new responsibilities within the Society. The individuals currently chairing Society committees have been asked to provide input. If you have suggestions as to materials to be included, I urge you to call them to the attention of Mrs. Cassidy.

I am confident that the work being done now by Mrs. Cassidy and the Washington staff and by the committee chaired by Dr. Scala will facilitate the functioning of the Society for many years. The positive return should be even more efficient use of the time of Society members and effective and timely service to the membership.

Best wishes,

Roger O. McClellan, D.V.M.

## Organization of a Symposium for Presentation

*continued from page 1*

SOT symposia. If the symposia organizer wishes to compile the papers for publication, they must first communicate with the Editors of the Journals to ascertain their interest in publishing the symposium. If neither of the Editors are interested, then the organizers are encouraged to publish independently. It is important, if the Editors feel that a symposium subject is appropriate, that this high quality material be published in one of the SOT Journals.

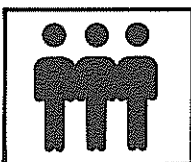
## Negotiations with Tentative Speakers

If initial contact is not made by letter, it is best to follow up with one which presents (1) an outline of the symposium; (2) the names of other proposed speakers; (3) the proposed date and place (year, month, and meeting site); (4) financial assistance available, if any.

## Financial Assistance from SOT

There is no honorarium provided. Limited financial assistance may be available to support the participation of speakers. This amount must be negotiated between the initiator and the chairman of the Program Committee PRIOR to making firm commitments to speakers. SOT policy is to fund the travel of one non-member per symposium. A sponsoring Specialty Section can fund the travel of one additional non-member per symposium. There is no financial support for the participation of SOT members in a symposium.

## Member News



**D**r. Toshio Narahashi, Chairman, Department of Pharmacology, Northwestern University Medical School, has been selected as the 1989 recipient of the Burdick and Jackson International Award for Research in Pesticide Chemistry. The Award is presented annually by the Division of Agrochemicals of the American Chemical Society to an individual making substantial contributions to the field of pesticide science.

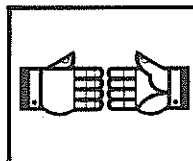
**Thomas B. Starr, Ph.D.**, recently joined ENVIRON Corporation as a Principal in the firm's Arlington, Virginia office.

**Simon Lock, Ph.D., DABT**, and corporate toxicologist with Roux Associates Inc., was appointed to head the company's newly formed Health and Environmental Risk Assessment Group.

**Dr. Christopher Rhodes** has been appointed Director, Drug Disposition and Metabolism Department, with the ICI Pharmaceuticals Group, ICI Americas Inc.

**Dr. Robert E. Menzer** was recently appointed Director of the Gulf Breeze Environmental Research Laboratory in Gulf Breeze, FL. This facility is responsible for coastal, estuarine and marine research activities and is the lead laboratory for biotechnology research within EPA.

## Committee News



## RALA Update

**T**he Regulatory Affairs and Legislative Assistance Committee has been moving forward to promote the interests of the Society in several areas. Special efforts have been made to express views on the decline in federal funding for basic toxicological research and on the use of animals in toxicological research.

Through the ad hoc subcommittee of the RALA, several approaches are being considered to address the problems of declining funds. First, at the recommendation of RALA, the Society endorsed maintaining the fiscal year budget as proposed by the House for FY 89 through the AD HOC COMMITTEE FOR MEDICAL RESEARCH. Further, the ad hoc committee suggested the Pilot Research Fund Project, (see September-October 1989 Newsletter) for NIH grants FY 89 that were approved, but not funded. More than 40 abstracts were submitted by the December 15, 1989 deadline. These abstracts are being compiled and distributed to private research fund sources for possible matching of research interests. Each corporate member of the Society has been sent a copy of the compilation and individual copies are available for a nominal fee directly from the Society's headquarters. It is hoped that this temporary stopgap pilot program will solve a temporary problem.

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## Publications of Interest



*Spill Reporting Procedures Guide* (1989 Edition), R.E. Abbott and J.E. Leeman, \$140.00, BNA Books, 300 Raritan Center Parkway, CN 7816, Edison, NJ 08818-7816; (201) 225-1900, fax (201) 417-0482.

*Biologic Markers in Pulmonary Toxicology*, \$22.50 (export \$27.00), National Academy Press, National Academy Press, 2101 Constitution Avenue, NW, Washington, DC 20418, Attn: Marketing Dept.; (202) 334-3318.

*Biologic Markers in Reproductive Toxicology*, \$27.95 (export \$33.54), National Academy Press, National Academy Press, 2101 Constitution Avenue, NW, Washington, DC 20418, Attn: Marketing Dept.; (202) 334-3318.

*Catching Our Breath*, \$10.00, Office of Technology Assessment, U.S. Congress, Superintendent of Documents, Washington, DC 20402-0325; (202) 783-3238.

*Chemical Protective Clothing Performance In Chemical Emergency Response*, J.L. Perkins, J.O. Stull (eds), \$39.00, ASTM, 1916 Race Street, Philadelphia, PA 19103; (215) 299-5400.

*Drinking Water and Health, Volume 9: Selected Issues in Risk Assessment*, \$29.95 (export \$35.94), National Academy Press, National Academy Press, 2101 Constitution Avenue, NW, Washington, DC 20418, Attn: Marketing Dept.; (202) 334-3318.

*Environmental Health and Safety Compensation Survey 1989/90*, \$350.00, the Foshee Group, Inc., 3300 Primrose Rd., Suite 303, Burlingame, CA 94010; (415) 342-7562, fax (415) 342-5351.

*Health Characteristics by Occupation and Industry of Longest Employment*, \$5.50, U.S. Department of Health and Human Services, Superintendent of Documents, Washington, DC 20402-9325; (202) 783-3238.

*Inhalation Toxicology*, D.E. Gardner (ed), \$96.00 (vol I), Hemisphere Publishing Corporation, (Taylor and Francis), 242 Cherry Street, Philadelphia, PA 19106-1906; 1-800-821-8312.

*Journal of Toxicology and Environmental Health*, \$499 (vols 26-28), Hemisphere Publishing Corporation (Taylor and Francis), 242 Cherry Street, Philadelphia, PA 19106-1906; 1-800-821-8312.

*Regulatory Requirements for Medical Devices*, \$18.00, U.S. Department of Health and Human Services, Superintendent of Documents, Washington DC 20402-0325; (202) 783-3238.

*Requirements of Laws and Regulations Enforced by the U.S. Food and Drug Administration*, \$2.75, U.S. Department of Health and Human Services, Superintendent of Documents, Washington DC 20402-9325; (202) 783-3238.

*Standard Guide for Conducting Three Brood, Renewal Toxicity Tests with *Ceriodaphnia dubia**, \$8.00, ASTM, 1916 Race Street, Philadelphia, PA 19103-1187; (215) 299-5585.

*Superfund Handbook: A Guide to Managing Responses to Toxic Releases Under Superfund*, Third Edition, \$45.00, ENSR Corporation, 35 Nagog Park, Acton, MA 01720; (508) 635-9500.

*Vertebrate Pest Control and Management Materials: 6th Volume*, Fagerstone/Curnow (eds), \$22.00, ASTM, 1916 Race Street, Philadelphia, PA 19103-1187; (215) 299-5585.

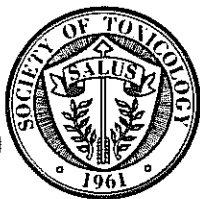
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## Committee News

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The RALA is preparing to provide direct contact with key staffers on the Hill and Society members to promote an understanding of the impact of the decline of federal funding for basic toxicological research.

The RALA continues to serve as a clearinghouse for requests for knowledgeable scientists to participate in informing key legislators on pending bills that relate to the use of animals in toxicology research and testing. Through trade association contacts, several Society members have been made available to respond to issues such as labeling (to state whether animals were used in testing the product during development) and as testing for consumer product safety in general. The RALA continues to seek interested members who could serve in this role.



# Society of Toxicology

1101 FOURTEENTH STREET, N.W., SUITE 1100, WASHINGTON, D.C. 20005

(202) 293-5935 TELEX: 292046 IMGUR FAX: (202) 371-1090

## COMPARATIVE FINANCIAL STATEMENTS FISCAL YEARS 1986-1989

A review of the comparative financial statements reveals the healthy financial position of the Society. The 1988-89 fiscal year ended with a surplus of \$81,000, fulfilling an anticipated reversal of the budget deficits in the fiscal years 1988 and 1987. The improvement in the 1989 figures can be attributed to two factors. First, changes implemented in the individual and corporate dues, and annual meeting abstract and registration fees, have significantly increased revenues. Second, strong performances of our recent annual meetings have netted significant income for the Society. The financial improvement of the past year is likely to continue; budget projections to date indicate the Society balance sheet will show a reasonable surplus for the 1989-90 fiscal year.

The operating income of the Society exceeded \$1,000,000 for the first time in 1988-89. Although total income has exceeded that amount for several years, over 300,000 of our total revenue is in the form of outside awards (e.g. the Burroughs-Wellcome award, etc.) administered by the Society. The Annual Meeting is by far the largest source of income, accounting for over 60% of the operating income. Journal income is the second major source of Society funds, particularly when one considers the journal subscription component (\$69/member) of the \$104 individual membership dues.

On the expense side, costs associated with the Annual Meeting and operation of SOT Headquarters each account for approximately 30% of total annual expenses. Expenses associated with operation of our Washington headquarters have steadily increased in recent years. However, it must be emphasized that services provided by Headquarters staff have dramatically increased in recent years, due almost entirely to the need to support the expanding activities associated with operation of a large professional society.

One final observation. With this past years report, the Society's reserves have again reached an amount equivalent to a six month operating budget. This goal, which was set by Council a few years ago when the Society was significantly smaller, may no longer be appropriate. Discussions with our auditors have revealed that it would be reasonable at this time to lessen the objective of a 6 month operating reserve. Consequently, the Finance Committee will be developing recommendations for Council concerning long-range objectives for the Society's reserves.

### PRESIDENT

Roger O. McClellan, DVM  
Chemical Industry  
Institute of Toxicology

### VICE PRESIDENT

Curtis D. Klaassen, PhD  
University of Kansas  
Medical Center

### VICE PRESIDENT-ELECT

Donald J. Reed, PhD  
Oregon State University

### SECRETARY

Florence K. Kinoshita, PhD  
Hercules Incorporated

### TREASURER

James S. Bus, PhD  
Upjohn Company

### PAST PRESIDENT

James E. Gibson, PhD  
Dow Chemical  
Company

### COUNCILORS

Jack H. Dean, PhD  
Sterling Research  
Group

Meryl H. Karol, PhD

University of Pittsburgh

John A. Moore, DVM

Institute for Evaluating  
Health Risks

Phillip G. Watanabe, PhD

Dow Chemical  
Company

### EXECUTIVE SECRETARY

Joan Walsh Cassidy

SOCIETY OF TOXICOLOGY

**BALANCE SHEET AS OF APRIL 30, 1986-89**

*(Thousands of U.S dollars)*

	<u>1989</u>	<u>1988</u>	<u>1987</u>	<u>1986</u>
<b>ASSETS</b>				
Cash	886	614	630	781
Other Assets	<u>68</u>	<u>54</u>	<u>—</u>	<u>—</u>
Total Assets	954	668	631	781
<b>LIABILITIES</b>				
Accounts Payable	139	27		
Deferred Revenue	<u>278</u>	<u>184</u>		
Total Liabilities	417	212		
<b>FUND BALANCES</b>				
General Fund	489	424	593	744
Section Funds	35	32	38	37
Robert Dixon Fund	<u>14</u>	<u>—</u>	<u>—</u>	<u>—</u>
Total Fund Balances	538	456	631	781
Total Liabilities and Fund Balances	<u>954</u>	<u>668</u>	<u>631</u>	<u>781</u>

**STATEMENT OF REVENUE AND EXPENSES**

**FISCAL YEARS ENDING APRIL 30, 1986-89**

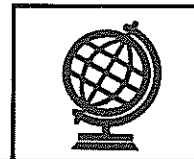
*(Thousands of U.S. dollars)*

	<u>1989</u>	<u>1988</u>	<u>1987</u>	<u>1986</u>
<b>REVENUE</b>				
Membership Dues	296	266	276	129
Annual Meeting	649	510	414	379
Journals	86	76	77	69
Placement Service	17	24	20	10
Mailing List Sales	21	22	19	8
Interest	56	46	46	70
Awards, Grants & Contributions	326	329	279	289
Sections & Funds	34	17	17	15
Miscellaneous	<u>2</u>	<u>2</u>	<u>—</u>	<u>—</u>
Total Revenue	<u>1,488</u>	<u>1,293</u>	<u>1,150</u>	<u>970</u>
<b>EXPENSES</b>				
General & Administrative	315	232	205	191
Council & Committee Expenses	191	178	178	148
Annual Meeting	313	320	270	234
Journals	192	182	245	47
Sections	25	23	16	8
Awards & Grants	<u>370</u>	<u>370</u>	<u>384</u>	<u>259</u>
Total Expenses	<u>1,406</u>	<u>1,305</u>	<u>1,300</u>	<u>888</u>
Income over Expenses	81	(12)	(150)	82

**NOTES:**

1986 statements were prepared on the cash method of accounting. The 1987-1989 statements were prepared on the accrual method of accounting. Totals may not sum due to rounding.

## Upcoming Conferences



**Symposium on Health Effects of Fungal Toxins in the Food and Feed Supply**, February 26, 1990, Overton-Rudd Auditorium at Auburn University College of Veterinary Medicine, Auburn, AL. Contact: Dr. Barbara W. Kempainen, College of Veterinary Medicine, Auburn University, Auburn, AL 36849-5520; (205) 844-5415.

**Biological Effects of Dietary Restriction**, March 5-7, 1990, Ramada Renaissance Hotel, Washington, DC. For information, contact: Ms. Karen Taylor, ILSI, 1126 Sixteenth St., NW, Washington, DC 20036; (202) 659-3859.

**Mid-America Toxicology Course**, April 22-27, 1990, Kansas City, MO. For further information, contact: Curtis D. Klaassen, Ph.D., Professor of Pharmacology and Toxicology, University of Kansas Medical Center, Kansas City, KS 66103; (913) 588-7714.

**Organophosphates: Chemistry, Fate and Effects**, April 22-27, 1990. For further information, contact: ACS Meetings, 1155 16th St., NW, Washington, DC 20036, or Dr. Janice Chambers, Department of Biological Sciences, Mississippi State University, PO Drawer GY, Mississippi State, MS 39762; (601) 325-7572.

**New Foods and Food Chemicals: Safety and Regulatory Considerations**, May 1-2, 1990, The National Academy of Sciences Auditorium, Washington, DC. Contact: Drs. Sidney Green (202) 245-1195, Harry Salem (301) 671-3250, or Joseph Borzelleca (804) 786-8409.

**The Society for Risk Analysis: Fifth Annual Course, "New Directions in Cancer Risk Assessment,"** May 21-23, 1990, Hyatt Regency, Bethesda, MD. Contact: Dr. Curtis C. Travis, (615) 576-2107 or FTS 626-2107 or Mary Oran, (615) 574-8438 or FTS 624-8438.

**The Third Summer Institute in Environmental Health Studies**, sponsored by the Johns Hopkins University Department of Environmental Health Sciences, June 4-15, 1990, Johns Hopkins University. For further information contact: Dr. Jacqueline Corn, Director Continuing Education Program, Department of Environmental Health Sciences, The Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Room 1003, Baltimore, MD 21205; (301) 955-2609.

**Association for Behavior Analysis, 16th Annual Convention**. May 27-31, 1990, Opryland Hotel, Nashville, TN. For information, contact: ABA, Western Michigan University, 258 Wood Hall, Kalamazoo, MI 49008-5052. Telephone: (616) 387-4495.

**International Symposium on Trace Elements in Health and Disease**, June 5-8, 1990, Espoo, Finland. For additional information, contact: Congress Team/AREA Travel Agency Ltd., P.O. Box 227, SF-0013 Helsinki, Finland; phone +358-0176866, fax +358-0-654-987, telex, 122783 arcon sf.

**Society of Toxicologic Pathologists IX International Symposium: Toxicologic Pathology of the Cardiovascular System**, June 24-28, 1990, Ottawa, Ontario, Canada. Contact: Nancy Streett, (215) 869-0702.

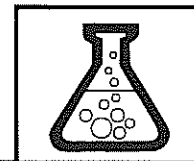
**Molecular and Cellular Mechanisms of Alcohol and Anesthetics**, June 25-28, 1990, University of Calgary Faculty of Medicine, Calgary, Alberta, Canada. Contact: New York Academy of Sciences, Public Relations Department, 2 East 63rd Street, New York, NY 10021; (212) 838-0230, fax (212) 838-2894.

**North Atlantic Treaty Organization (NATO) Advanced Research Workshop (ARW) Nitrate Contamination: Exposure, Consequence and Control**, September 10-14, 1990, University of Nebraska, Lincoln, NE. Contact: Istvan Bogardi, Department of Civil Engineering, University of Nebraska-Lincoln, Lincoln, NE 68588-0531; (402) 472-1726, fax (402) 472-2410.

**Role of Toxicants in Neurological Disorders: Experimental and Clinical Correlations**, October 1-4, 1990, Excelsior Hotel, Little Rock, AR. Contact: Conference Chairman, Dr. Joan M. Cranmer, Department of Pediatrics #512, University of Arkansas for Medical Sciences, Little Rock, Arkansas 72205; (501) 370-2986. Abstract deadline is August 1, 1990.

**Latin American Congress on Chemistry**, November 5-9, 1990, Buenos Aires, Argentina. Contact: Dr. Jose A. Castro, CEITOX - CITEFA. Zufriategui 4380, 1603 Villa Martelli, Pcia. de Bs. As. ARGENTINA.

## Placement Services



### Faculty Opening

Texas A&I University is accepting applications for a tenure track position in Industrial Toxicology/Hygiene for a new Master of Science program in Environmental Engineering. This position requires a Ph.D. degree in either Industrial Toxicology or Industrial Hygiene or a closely allied degree. Salary and rank will be competitive and will depend on teaching, research, and industry experience. Duties will be the teaching of graduate courses in Industrial Toxicology and Industrial Hygiene as core courses in the Master of Science in Environmental Engineering. Opportunities and facilities for relevant research will be available. Applications must be received by March 15, 1990. The position will be appointed by April 30, 1990 to be available for the fall semester of 1990. Minority and Women candidates are encouraged to apply. Send application, vitae, and the names of three references to Dr. Ray N. Finch, Chairman of the Department of Chemical and Natural Gas Engineering program, College of Engineering; Texas A&I University; Campus Box 193; Kingsville, Texas 78363. Deadline: March 15, 1990. Questions: Dr. Ray N. Finch, Associate Professor and Chairman of the Chemical and Natural Gas Engineering Department at (512) 595-2002 or (512) 595-2094.

### Drug Metabolism Scientist

Seeking self-motivated, innovative scientist to establish laboratory program utilizing basic and applied approaches to study the metabolic disposition of drugs in laboratory animals. Strong background in analytical methods, chemistry, and pharmacology needed. Post doctoral experience desirable. Send all inquiries to: Dr. Leonard C. Howard, MC909, Eli Lilly and Company, Corporate Center, Indianapolis, IN 46285.

### Cellular Toxicologist

The Parke-Davis Pharmaceutical Research Division of Warner-Lambert, a world leader in pharmaceutical development, has an immediate opening in the Toxicology Department for a scientist to conduct cellular toxicology studies to support drugs in development and to explore alternatives to animal testing. Qualifications for the position include a Ph.D. with two or more years

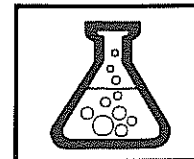
of relevant experience. This individual should have broad-based culture experience in one or more areas, (e.g.: primary cell culture, cell line maintenance, human tissue studies, tissue slice/organ culture) coupled with experience in the assessment of cellular toxicity. The ideal candidate would be a self-directed individual who is willing to work in a collaborative environment and who has demonstrated the ability to design and initiate new projects and carry them through to completion. Join the exciting research and development team at Parke-Davis and enjoy outstanding compensation and environment. Our modern facilities are located adjacent to The University of Michigan. Interested, qualified applicants should send their curriculum vitae and names of three references in confidence to: Ms. S. Hultquist, Human Resources Department, Parke-Davis Research division Warner-Lambert, 2800 Plymouth Road, P.O. Box 1047, Ann Arbor, MI 48106-1047. "Equal Opportunity in Action." "A Smoke-Free Work Environment."

### Genetic Toxicology

The Pharmaceutical Research Division of Warner-Lambert Company, a worldwide leader in the development of pharmaceutical products, has an immediate opening for a postdoctoral fellow to work in the Genetic Toxicology Section within the Department of Pathology and Experimental Toxicology. This project will involve an assessment of underlying mechanisms for clastogenicity in mammalian cells (e.g.: DNA binding/adduct formation, free radical induction, DNA precursor pool size alterations) and an investigation of drug-induced clastogenic effect in multiple tissues (e.g.: bone marrow, lung, bladder, germinal tissue). Possible interventions to prevent clastogenicity will also be explored. Applicants should have a Ph.D. in toxicology or related discipline with experience relevant to the project described. Our modern facilities are located adjacent to The University of Michigan in an outstanding living and working environment. Compensation includes \$32,000 annual salary with relocation expenses and an attractive benefits package. Interested individuals should forward their curriculum vitae and names of three references in confidence to: Jack Moyer, Human Resources Department, Parke-Davis Research division Warner-Lambert, 2800 Plymouth Road, P.O. Box 1047, Ann Arbor, MI 48106-1047. "Equal Opportunity in Action." "A Smoke-Free Work Environment."



## Placement Services



### Board-certified Risk Assessor

Board-certified risk assessor in carcinogenesis with 30 years experience seeks position, in the Washington area only. Please write P.O. Box 193, Sterling, VA 22170.

### Environmental Scientists And Toxicologists

ENVIRON Corporation is a leading national scientific and regulatory affairs consulting firm providing environmental risk assessment and risk management services to major law firms, Fortune 100 companies, trade associations, and state, local, and federal government. We seek BS/MS/Ph.D. toxicologists (or related disciplines) who are familiar with the concepts and methodologies for evaluating risk from human exposure to toxic substances. Experience in a consulting or regulatory environment is a plus. Interested candidates should send resumes to : ENVIRON CORPORATION, 4350 North Fairfax Drive, Arlington, VA 22203. EOE.

### Post-doctoral Fellows And Trainees In Toxicology

Positions are available on a continual replacement basis in the CIIT Post-doctoral and Post-doctoral Trainee programs. These programs stress the provision of training and experience in the elucidation of basic mechanisms of toxicity, and their application to human risk assessment. Post-doctoral fellowships are open to individuals who have recently earned a Ph.D., D.V.M., M.D. or other advanced degree in an academic discipline related to toxicology, including biochemistry, pharmacology, cell biology, genetics, immunology, chemistry, biophysics, mathematics, medicinal chemistry, pathology, epidemiology, and aerosol science. Post-doctoral traineeships permit selected candidates with medical backgrounds (D.V.M., M.D.) to complete Ph.D. degrees at local universities (Duke, U.N.C., N.C.S.U.). Trainees carry out their Ph.D. research in the CIIT laboratories under the guidance of CIIT senior scientists, and they benefit from the same in-house training (courses etc.) as Post-doctoral Fellows. CIIT offers a minimum stipend of \$24,000 for the first year, with upward adjustments based on experience and training, in addition to health insurance, and other

benefits. For further information contact Dr. Roger McClellan, Edna Mangum, Tim Fennell or Kevin Morgan at CIIT (Phone 919-541-2070).

### Toxicologist

Applications are invited for tenure-track positions in the Department of Medical Pharmacology and Toxicology at Texas A&M University College of Medicine. Candidates should have sufficient experience to demonstrate their ability to establish an independent basic research program with NIH or NSF extramural funding. Salary is commensurate with experience and qualifications. This position is available immediately. Applicants should send curriculum vitae, copies of three representative publications, and the names and addresses of three references to: Dr. George C.Y. Chiou, Head, Department of Medical Pharmacology and Toxicology, Texas A&M University, College of Medicine, College Station, TX 77843-1114. Texas A&M University is an Equal Opportunity Employer.

### Assistant Professor Of Toxicological Sciences

The Division of Toxicological Sciences of the Department of Environmental Health Sciences, The Johns Hopkins University School of Hygiene and Public Health, is seeking to fill tenure-track positions at the assistant professor level in the areas of environmental biochemical/molecular toxicology, neurotoxicology and immunotoxicology. Candidates should have a background in toxicology and/or pharmacology and at least two years postdoctoral experience. The successful candidates will be expected to develop a vigorous grant-supported research program using modern cellular, biochemical and molecular approaches to studies on the mechanisms of toxicity and to participate in the teaching activities of the Division. It is desirable that the research interests and activities of the candidates complement those of others within the Division which include: hepatotoxicity, hepatocarcinogenesis, cancer chemoprevention, free radical-mediated toxicity in lung and bone marrow, mechanisms of ototoxicity, neural receptor signal transduction, toxicant effects on lymphokine production and immune function assessment. Other areas of toxicology would also be considered. Send CV, the names of three references and a brief summary of current research activity and future re-

## Placement Services



search plans to James D. Yager, Director, Division of Toxicological Sciences, JHU School of Hygiene and Public Health, 615 N. Wolfe St., Baltimore, MD 21205. The Johns Hopkins University is an equal opportunity/affirmative action employer.

### Pesticide Or Environmental Biochemist/entomologist

The Department of Entomology, Washington State University invites applications and nominations for a Research, tenure-track, Assistant/Associate Entomologist Position located at Puyallup, WA. Conduct research on the behavior of insecticides and other pesticides in agroecosystems of western Washington (additional information available upon request). Ph.D. required in a Biological Science. Candidates with experience or an active interest in practical entomology and systems ecology will be given preference. Applications accepted through 31 March 1990. Send 2 copies of your application including: letter of application, statement of professional goals and research plan, curriculum vitae including reprints of five relevant publications, descriptions of research experience, and a list including phone numbers of 5 references to John J. Brown, Chair Search Committee, Department of Entomology, Washington State University, Pullman, WA 99164-6432. WSU is an EOE/AA educator and employer. Protected group members are encouraged to apply.

### Quality Assurance Manager

The Chemical Industry Institute of Toxicology (CIIT), an independent non-profit research corporation located in the Research Triangle Park, is seeking an experienced Quality Assurance Program Manager. A Ph.D. or M.S. degree with demonstrated research experience in toxicology or related field, a minimum of two years QA experience in basic research studies, and a knowledge of Good Laboratory Practice (GLP) regulations are required. Background in statistics is desirable. Responsibilities will include developing and implementing QA program, reviewing standard operating procedures and protocols, conducting data quality reviews and laboratory audits, conducting QA training programs and monitoring the QA status of research studies. Position requires a manager with strong communication and organizational skills and the ability to initiate programs and to work independently. CIIT offers a competitive salary and excellent benefits. Please send

your resume with letter of interest to: Human Resources Manager, Chemical Industry Institute of Toxicology, P.O. Box 12137, Research Triangle Park, NC 27709. An Equal Opportunity/Affirmative Action employer

### Behavior Toxicologist

Behavior Toxicologist, with 1-5 years experience in evaluation of cognitive function, to join multidisciplinary group studying environmental health at various levels ranging from molecular, physiological to behavioral with experimental subjects ranging from humans to rodents. Rank of Asst. Research Scientist or Research Asst. Professor, depending on qualifications. Ideal opportunity to start an academic career. Teaching possible but not required. Send CV, letters of recommendation and reprints to Dr. H.L. Evans, Environmental Medicine, N.Y.U. Medical Center, Tuxedo, N.Y. 10987.

For information regarding submitting a Placement Service advertisement, please contact Donna Thomas at SOT headquarters.

## Watching Washington



### Congress Sets Precedent, Halts Animal Research Projects

Congress' final passage of the U.S. Department of Defense 1990 appropriations bill included language that specifically prohibited payment for two research projects involving animal models. The two projects, involving the use of cats for brain missile wound research at Louisiana State University and bone trauma research at Letterman Army Institute of Research, were the targets of animal rights organization's media and letter-writing campaigns. The halt of funding represents the first time specific animal research projects have been stopped by Congressional action.

### 1990 Dues are Due!

A reminder: your 1990 dues must be received at headquarters by March 31, 1990, in order for you to continue to receive the journals. Please note that you may pay via MasterCard or Visa.