Abstracts Reach Another Record Total!

Once again, the Headquarters office has received a record number of abstracts. Last year's total of 1,744 was topped by this year's total, our highest ever, of 1,875! The Program Committee worked hard during the month of November to put together informative and thoughtful sessions. Acceptance letters, confirming the session type and the date and time scheduled, will be mailed during the latter part of December. If you have not received a confirmation letter by January 5, 1998, please contact Nell Dillard at SOT Headquarters.

SOT Annual Meeting

Have You Registered for the Annual Meeting Yet?

The Advanced Registration Deadline is just around the corner — January 12, 1998.

The SOT Annual Meeting is the largest toxicology meeting and exhibition in the world, attracting more than 4,800 scientists from industry, academia, and government. If you did not receive a preliminary packet or need additional forms, please contact the SOT Headquarters office. Fax-On-Demand: (800) 529-8655 (toll-free), E-mail: trish@toxicology.org, Telephone: (703) 438-3115. If using a credit card, you may fax your completed registration form to (703) 438-3113. No cover sheet is necessary.

Please Note: The Fax-On-Demand number has changed to provide enhanced, toll-free service.

Robert A. Scala Award

The Robert A. Scala award and lectureship in toxicology is presented annually by the Environmental and Occupational Health Sciences Institute (EHSI).

This award honors Robert A. Scala, Ph.D., one of the foremost scientists of our generation, who has long been recognized as a leader in toxicology. Dr. Scala was President of the Society of Toxicology in 1976 and chair or member of a wide range of committees for the National Academy of Sciences, the National Institute of Environmental Health Sciences (NIEHS), and the National Toxicology Program.

The Scala Award Committee has consistently chosen individuals who are currently active in performing toxicological scientific activities that show promise of making significant original

Continued to page 14
**President's Message**

What are we doing with all our dollars?

On a cold day in early March of 1961, seven scientists' met in room 606 at the National Academy of Sciences to discuss their vision for the future. By mid-afternoon they had a plan. Each placed a five dollar bill on the table and The Society of Toxicology was founded with a cash reserve of $35. By the end of the year, with 180 charter members, revenues were $1,092. We have come a long way since 1961. We have a vibrant, still rapidly growing, society with a membership approaching 4,800, revenues of approximately $3M and reserves at a healthy $2.5M. We have a full program of activities guided by our Long Range Plan (LRP) and implemented by our committees.

Every so often though, a member asks me or other members of Council about what are we doing with our money, sometimes followed by the criticism that SOT seems too concerned with making money. Well this is partially true. SOT is concerned with making money, but it is also concerned with using our resources to advance toxicology and further our LRP. In the summer Communiqué and a special letter to membership in October, I discussed the ongoing activities of the Society. However, to address the question above, I thought it would be useful to discuss more specifically the management of our society and how we plan to use our financial resources.

For the first 15 years, SOT was self-managed with most of the organizational chores falling on the shoulders of the Secretary and Treasurer. By 1976, the Society's annual income had grown to $120,000 and in that year, the Society contracted with the American Industrial Hygiene Association to provide SOT with its first Executive Secretary, William McCormick.

In 1985, with an annual budget of $700,000, the Society hired an independent professional association management firm, the International Management Group (IMG), to provide SOT with management services. Joan Walsh Cassidy served as our Executive Secretary. IMG was able to provide the Society with staff to accomplish many new and important activities, but by 1990, the Society found itself with expenses greatly exceeding revenues and minimal reserves to cover the deficits, essentially teetering on bankruptcy. SOT Council spent the next several years trying to stabilize our finances. Well over half of each Council meeting was consumed by finances, management and administrative issues. These efforts were eventually successful in replenishing the reserves, but unfortunately, over this period of time programs were cut and committee initiatives were brought to a virtual standstill.

In 1994, the Society's management once again changed, this time to the Association Development Group (ADG) in Reston, Virginia, with Shawn Lamb as our new Executive Director. ADG has helped the Society to control our finances while we are growing and expanding our programs. I am pleased to be able to say that I believe that our Society is very well managed. Now, almost all of our Council meetings are spent discussing substantial issues, the Society's LRP and how SOT can responsibly use our resources to fund our programs.
A few examples of what we are now able to support include: our alliances with other groups supporting K-12 science education including funding for a BioRAP issue on risk assessment. As mentioned in the last Communiqué, the mission of the Toxicology Education Foundation will be to support, through industry, foundation and membership contributions, our activities in the K-12 area. We recently hired a full time communication/media specialist, Deborah Hyman, who has already facilitated the activities of several of our committees including: Public Communication, RALA, WWW Task Force and is currently working with Program on publicity and media coverage for the meeting in Seattle. We continue to improve our web site, for example the recent addition of SOT’s On-Line Placement Service. We also plan to support a Congressional Fellow which we know from one of our sister societies, SETAC (Society for Environmental Toxicology and Chemistry), is greatly appreciated by congressional staff as a source of scientific information.

We are still very dependent upon our annual meeting for the bulk of our revenues and one of our strategic goals is to broaden our financial base. An important area for this is our revenue from publications. Not many years ago we had a net deficit from our journal activities and made money only from manuscript handling fees for Toxicology and Applied Pharmacology (TAP) and Fundamental and Applied Toxicology (FAAT). These fees have been phased out and, in the case of TAP, more appropriately replaced by a royalty on subscription revenue. FAAT was made profitable by an aggressive increase in institutional subscription rates. Our goal for our restructured, SOT owned journal, Toxicological Sciences (Tox. Sci.), is to make this a premier journal by increasing scientific quality, which in turn should provide more subscription revenue. Other efforts to broaden our financial base include, increasing advertising revenue in our journals and possibly on our web site. Our new meeting series on Contemporary Concepts in Toxicology is also a potential source of additional revenue.

And that brings us to where we are now, looking at ways to move the Society’s mission forward. The Society continues to educate scientists, through our Annual Meeting program and Continuing Education courses, our reformatted journal, Tox. Sci. (with its divisions mirroring our membership sections), and through a new series of satellite meetings.

We also are educating Congress, through testimony on the need for increased science funding, and eventually, through our proposed program to put a Congressional Fellow on the Hill. Our Media Resource Specialist program helps to ensure accurate science in the press. The K-12 educational programs educate teachers and students in simple precepts such as “the dose makes the poison.” All these are reasons why our members can be very proud of the Society. Although we still need to lessen our financial dependence on our Annual Meeting, I believe that we are making great contributions to the science and will continue to use the Society’s dollars wisely and effectively to benefit toxicology.

There were nine founders for the Society of Toxicology, seven of which met in Washington, DC on March 4, 1961 (Drs. Fred Coleson, Victor Dril, William Dieckman, Harry Hays, Harold Hodge, Arnold Lehman, and Boyd Shaffer). Two others (Drs. Kenneth Dubois and Paul Larson) could not attend because of illness.

Mike McClain
1997-98 President

Upcoming Election of 1998 SOT Officers

Ballots for the election of Council Officers and elected standing committees will be mailed to members on January 1, 1998. Offices to be filled include the Vice President-Elect, Treasurer-Elect, two Councillors, two members each to the Membership and Education Committees, and four members to the Nominating Committee.

Please return your ballot to the SOT Executive Director in the envelope provided, postmarked on or before February 1, 1998. Be sure to sign and print your name on the return envelope to validate your vote. Unsigned envelopes cannot be counted.

The results of the election will be announced at the 1998 Annual Meeting in Seattle.
extensive coverage by media and aroused substantial public debate because of the calculated health benefits and high costs of attaining these new standards. There is a genuine debate among scientists to the extent, if any, to which there is a health risk associated with PM$_{2.5}$. Thus, there is opposition to these proposed rules. Opponents argue that the science fails to support the new regulations. In this year's SOT Issues Session a panel of experts in the epidemiology (Drs. Arden Pope and Suresh Moolgavkar), inhalation toxicology (Drs. Daniel Costa and Roger McClellan), and regulatory policy (Dr. Judith Graham) of PM will discuss (and debate) the science and policy behind these new EPA regulations and the research that is still needed to better understand the adverse effects of PM on human health.

Medical Research Council (MRC) Lecture: Genes and Genomes: Deciphering the Periodic Table of Life

Lecturer: Leroy Hood, M.D., Ph.D.

Dr. Hood is the William Gates III Professor of Biomedical Sciences; the founding Chairman of the Department of Molecular Biotechnology at the University of Washington School of Medicine in Seattle, Washington; and the Director of the National Science Foundation sponsored Science and Technology Center for Molecular Biotechnology.

The Human Genome Project has catalyzed profound changes in the ways we practice biology and medicine. For the first time, we are within striking distance of identifying all 100,000 or so human genes. We now have a relative dense genetic map (>5,000 markers) that facilitates the identification of genes controlling normal and disease phenotypes. The genomes of E. coli and yeast have been completely determined, as have those of 11 microbial organisms. Powerful high-throughput analytic techniques for sequencing, mapping and hybridization analyses have been developed, as have powerful new computing tools for deciphering biological information.

These advances have led to a series of paradigm changes in our views of biology over the past five years. It is an information-based science with three types of information: one-dimensional information of DNA, the three-dimensional information of proteins, and the four-dimensional information of complex biological systems and networks. Indeed, the analyses of complex biological systems will be the major challenge in biology as we move into the 21st century.

Dr. Hood will explore how the high-throughput tools of genomics can be employed to take a systems approach toward the analysis of complex biological systems such as immunity, development and cancer.

SOT/EUROTOX Debate: Motion: Cancer Risk Assessment Should Incorporate the Concept of Thresholds

The SOT/EUROTOX debate considers chemical carcinogens again this year but addresses a different issue which is central to the methods used in risk assessment—the justification for the use of linear, non-threshold extrapolation in low dose risk assessment. The major difference between the assessment of carcinogenic and non-carcinogenic risks is the assumption used in the former that there is no safe dose of a genotoxic carcinogen and, hence, that every dose carries a risk. A similar assumption is used for the carcinogenic effects of radiation. There are a number of reasons advanced for the use of non-
threshold extrapolation methods, including those based on the mechanism of action of genotoxic carcinogens and those concerned with the need for safety from exposure to carcinogens. There are, alternatively, reasons for wishing to have common methods of risk assessment for all chemical hazards and for presenting realistic estimates of the likely harm from exposure to chemicals in a way that allows the public to judge the relative risks of the exposures. A further point of contention is how to define a ‘threshold’ within the context of risk assessment. The speakers will explore these issues and the debate will allow members of the audience to contribute their ideas.

**Moderator:** Karl K. Rozman, University of Kansas Medical Center

**Discussant for the motion:** Iain Purchase, Zeneca Central Toxicology Laboratory, Macclesfield, Cheshire, U.K. (EUROTOX)

**Discussant against the motion:** William Farland, US EPA, National Center for Environmental Assessment, Washington, DC (SOT)

**Burroughs Wellcome Toxicology Scholar Award Lecture: Mechanisms of Chemical Toxicity: The Dark Side of the Immune System**

**Lecturer:** Debra L. Laskin, Rutgers University and UMDNJ-Robert Wood Johnson Medical School

Tissue injury induced by a diverse group of xenobiotics appears to involve both direct and indirect damage to target cells. Thus, while chemicals may act directly on cells within a target tissue leading to toxicity, they may also act indirectly by recruiting and activating cells of the immune system, in particular, resident and inflammatory tissue macrophages. Macrophages are potent secretory cells that release a vast array of mediators, including proinflammatory and cytotoxic cytokines, bioactive lipids, hydrolytic enzymes, reactive oxygen intermediates, and reactive nitrogen intermediates, each of which has been implicated in the pathogenesis of chemically-induced toxicity. The research in our laboratory has focused on evaluating the potential role of macrophages and inflammatory mediators released by these cells, in chemically-induced injury to the lung and liver. In both of these injuries we discovered that xenobiotic exposure was associated with localized accumulation of macrophages. Moreover, the specific location of these cells in the tissue was directly correlated with areas in the tissue that subsequently exhibited signs of toxicity. When macrophages were isolated from the lung or liver of animals treated with toxicants such as ozone, endotoxin or acetaminophen, they were found to be "activated" to release increased amounts of tumor necrosis factor alpha, interleukin-1, superoxide anion, hydrogen peroxide and nitric oxide. These data, together with our findings that blocking macrophage function and/or production of these mediators abrogated tissue injury induced by these toxicants provide direct support for our hypothesis that macrophages contribute to chemically-induced tissue injury. Studies are ongoing to examine the precise mechanisms underlying macrophage activation and cytotoxicity in the lung and liver following xenobiotic exposure.

**Burroughs Wellcome Toxicology Scholar Award Lecture: Mammalian DNA Alkylation Repair**

**Lecturer:** Leona D. Samson, Harvard School of Public Health

Alkylation agents are cytotoxic, mutagenic, clastogenic, teratogenic and carcinogenic. These agents are found in our environment, in our food, inside cells as natural metabolites, and in the clinic as cancer chemotherapeutic agents. Our work has focused on determining how alkylation agents induce their toxic effects, and perhaps more importantly, how cells protect themselves against these effects. Alkylation agents produce more than a dozen different DNA lesions, but the biological effects of each kind of lesion can vary dramatically. We wish to understand the biology, the biochemistry and the genetics of how organisms protect against the deleterious effects of DNA damage, with particular emphasis on the mechanisms employed to protect against alkylation damage. The mechanisms that cells employ to defend against alkylation agents are highly conserved, and our approaches have employed Escherichia coli, Saccharomyces cerevisiae, Schizosaccharomyces pombe, cultured rodent and human cells, and more recently whole mice, as model systems. We have cloned several eukaryotic DNA alkylation repair genes by their ability to functionally complement alkylation sensitive strains of E. coli, and these include DNA repair methyltransferasees and DNA glycosylases. The cloned murine DNA alkylation repair genes were used to generate mouse embryonic stem cells, and mice, altered in their DNA alkylation repair capacity. Specifically, we generated organisms bearing homozygous null mutations in a 5MeA DNA glycosylase gene and an O'MEG DNA methyltransferase gene, using targeted homologous recombination. These cells and animals now allow us to explore the in vivo role of such alkylation repair in mammals.

**Satellite Meeting: Developing Occupational Exposure Limits from Toxicology and Epidemiology Studies**

A special one-day international symposium will immediately follow the 1998 Society of Toxicology Annual Meeting. Experts from around the globe will address substances of significant interest (e.g., carbon black, diesel exhaust, and asphalt fume) and the global need for a unified and more structured battery of occupational exposure values for the increased protection of workers' health. This symposium will provide a forum for domestic and international cooperation and exchange of data leading to the harmonization and establishment of criteria for the development of occupational exposure values. This need persists and is long overdue. The program includes SOT members John Doll, Kevin Driscoll, Helmut Greim, Joe Mauderly and Gunter Oberdörster. Friday, March 6, 1998, 8:30 a.m. - 5:00 p.m. Contact: ACCIH; (513) 742-2020.

**SOT Fax-On-Demand Service**

Call the SOT information line

1-800-529-8635 (toll-free)

for the following SOT Annual Meeting materials:
Registration Forms, Tour Forms, Hotel Forms,
and Travel Forms.

Please Note: The Fax-On-Demand number has changed to provide enhanced, toll-free service.

Winter 1998
Symposia Sessions

MITOCHONDRIAL MEMBRANE PERMEABILITY CHANGES IN NECROTIC AND APOPTOTIC CELL DEATH

Chairpersons: J. J. Lemasters, Department of Cell Biology and Curriculum in Toxicology, University of North Carolina, Chapel Hill, NC, and A. L. Nieminen, Department of Anatomy, Case Western Reserve University, Cleveland, OH.

Sponsored by the Mechanisms Specialty Section.

Mitochondrial Dysfunction and the Permeability Transition in Cell Death, A. N. Murphy, The George Washington University Medical Center, Washington, DC.

Mitochondrial Permeability Transition in Oxidant-Induced Cardiomyopathy, K. B. Wallace, Department of Biochemistry and Molecular Biology, University of Minnesota, Duluth, MN.

Mitochondrial Injury in Oxidative Stress and Excitotoxicity, A. L. Nieminen, Department of Anatomy, Case Western Reserve University, Cleveland, OH.

Regulation of Apoptosis by Cytochrome C and Bcl-2, D. D. Newmeyer, La Jolla Institute for Allergy and Immunology, San Diego, CA.

The Mitochondrial Permeability Transition: A Common Mechanism in Necrotic Cell Death, Apoptosis and Autophagy, J. J. Lemasters, Department of Cell Biology and Curriculum in Toxicology, University of North Carolina, Chapel Hill, NC.

POPULATIONS AT RISK FOR METAL TOXICITY

Chairpersons: E. M. Faustman, Department of Environmental Health, University of Washington, Seattle, WA, and B. Fowler, Toxicology Program, UMBC, University of Maryland, Baltimore, MD.

Sponsored by the Metals Specialty Section.


Genetic Influences on Lead Poisoning, J. G. Weirmeur, Department of Microbiology and Human Genetics, Mount Sinai School of Medicine, New York, NY.

Susceptibility to Beryllium: Application of Immune, Inflammatory, Genetic Biomarkers, L. S. Newman, National Jewish Medical and Research Center and University of Colorado Health Sciences Center, Denver, CO.

Safety/Risk Assessment of Sensitive Subpopulation Exposure to Elemental Contaminants, M. Bolger, Contaminants Branch, US Food and Drug Administration, Washington, DC.

ROLE OF NITRIC OXIDE IN CHEMICAL-INDUCED TOXICITY

Chairpersons: D. L. Laskin and D. E. Heck, Department of Pharmacology and Toxicology, Rutgers University, Piscataway, NJ, and J. D. Laskin, Department of Environmental and Community Medicine, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.

Sponsored by the Mechanisms Specialty Section.

Pathophysiologic Reactivities of Nitric Oxide, H. Ischiropoulos, Institute for Environmental Medicine and Biochemistry and Biophysics, University of Pennsylvania, Philadelphia, PA.

Mechanisms of Nitric Oxide Production During Irritant-Induced Lung Injury, J. D. Laskin, Department of Environmental and Community Medicine, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.

Nitric Oxide and Environmental Contaminants, D. E. Heck, Department of Pharmacology and Toxicology, Rutgers University, Piscataway, NJ.

Nitric Oxide Mediates Inflammatory Cytokine-Induced Hepatocyte Toxicity, B. Billings, Department of Environmental Health, Colorado State University, Ft. Collins, CO.

Toxicology of Some Nitric Oxide-Releasing Drugs, L. Keefer, National Cancer Institute, Frederick Cancer Research and Development Center, Frederick, MD.

ROLE OF DIET AND OBESITY IN ENDOCRINE DISRUPTION

Chairpersons: R. Dixit, Merck Research Laboratories, West Point, PA, and S. Kacwa, University of Ottawa, Ottawa, Canada.

Sponsored by the Carcinogenesis and Food Safety Specialty Sections.

Dietary Estrogens: An Overview, S. Satz, Department of Veterinary Physiology and Pharmacology, Texas A&M University, College Station, TX.

Dietary and Caloric Modulation of the Endocrine System, R. W. Hart, National Center for Toxicological Research, Jefferson, AR.

Effects of Diet and Caloric Overfeeding on Rodent Endocrine Related Tumors and Their Control by Caloric Restriction, K. P. Keenan, Department of Safety Assessment, Merck Research Laboratories, West Point, PA.

Influence of Dietary Restriction of the Regulation of Growth Hormone and Insulin Growth Factor (IGF)-1, W. E. Sonntag, Department of Physiology and Pharmacology, Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, NC.

Role of Calories in Reproductive Senescence, P. M. Wise, Department of Physiology, University of Kentucky, Lexington, KY.

REGULATION OF NUCLEAR RECEPTORS

Chairperson: T. Zacharewski, Department of Biochemistry and the National Food Safety & Toxicology Center, Michigan State University, East Lansing, MI.

Sponsored by the Mechanisms and Molecular Biology Specialty Sections.

Transcriptional Regulation of Energy Balance by the Peroxisome Proliferator-Activated Receptors, S. A. Kliewer, Department of Molecular Endocrinology, Glass Wellcome Research and Development, Research Triangle Park, NC.

Analysis of Estrogen Hormone Mechanisms in Estrogen Receptor Knock-Out Mice, K. S. Konach, NIEHS/NIH, Research Triangle Park, NC.

The Other Orphan Receptors Basic-Helix-Loop-Helix (BHLH)-PAS Partners and Modifiers in Toxicology, C. A. Bradfield, McArdle Laboratory for Cancer Research, Madison, WI.

Coelators in Receptor-Mediated Depression and Activation, M. L. Privalsky, Section of Microbiology, Division of Biological Sciences, University of California at Davis, Davis, CA.

CHARACTERIZATION OF XENOBIOTIC METABOLIZING ENZYME FUNCTION USING HETEROLOGOUS EXPRESSION SYSTEMS

Chairpersons: A. J. Townsend, Department of Biochemistry, Bowman Gray School of Medicine of Wake Forest University, Winston-Salem, NC, and F. P. Gruenert, Department of Biochemistry and Center in Molecular Toxicology, Vanderbilt University, Nashville, TN.

Sponsored by the Molecular Biology Specialty Section.

Heterologous Expression in V79 Cells of Aldehyde Dehydrogenase-3 (ALDH3) Confers Protection In Vitro Against Toxicity of Lipid Aldehydes Associated with Lipid Peroxidation, A. J. Townsend, Biochemistry Department, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC.

The Role and Mechanism of Mitochondrial Superoxide Dismutase in the Defense Against Oxidative Stress Induced by Xenobiotic and Endobiotic Sources, D. K. St. Clair, Graduate Center for Toxicology, University of Kentucky, Lexington, KY.

Use of Transfected Bacterial Cell Lines to Assess the Function of UDP-Glycosyltransferases in Toxicologic Studies, T. R. Tephy, Department of Pharmacology, University of Iowa, Iowa City, IA.

Role of Combined Expression of Glutathione S-Transferases and Multidrug Resistance Protein in Cellular Resistance to Toxic Electrophiles, C. S. Morrow, Department of Biochemistry, Bowman Gray School of Medicine, Winston-Salem, NC.

Use of Bacterial Systems for Investigation of Roles of Cytochrome P450 and Glutathione Transferase Enzymes, F. P. Gruenert, Department of Biochemistry and Center in Molecular Toxicology, Vanderbilt University, Nashville, TN.
Symposia Sessions

THE ROLE OF GENETIC POLYMORPHISMS AND REPAIR DEFICIENCIES IN ENVIRONMENTAL DISEASE

Chairpersons: J. E. Hula, Department of Pharmacology and Toxicology, University of North Dakota School of Medicine, Grand Forks, ND, and M. S. Miller, Department of Cancer Biology, Wake Forest University School of Medicine, Winston-Salem, NC.

Sponsored by the Molecular Biology and Risk Assessment Specialty Sections.

Gene-Environment Interaction in Bladder Cancer Risk: A Case-Control Study, J. A. Taylor, Epidemiology Branch and Laboratory of Molecular Carcinogenesis, NIEHS, Research Triangle Park, NC.

Role of N-Acetyltransferase Polymorphisms in Genetic Predisposition to Cancer, D. W. Hein, University of Illinois School of Medicine, Urbana, IL.

The Human PON1 Polymorphism and Its Role in Metabolism of Organophosphorus Insecticides and Nerve Agents, C. G. Furlong, University of Washington, Seattle, WA.

Generic Polymorphism of Human Microsomal Epoxyde Hydroxylase, C. J. Omiecinski, Department of Environmental Health, University of Washington, Seattle, WA.

DNA Replication Fidelity, Mismatch Repair and Genome Instability, T. A. Kunkel, Lab of Molecular Genetics, NIEHS, Research Triangle Park, NC.

PREDICTIVE VALUE OF MUTATIONAL SPECTRA

Chairpersons: W. B. Mates, Pharmacia & Upjohn, Kalamazoo, MI, and L. Reicin, CHI, Research Triangle Park, NC.

Sponsored by the Carcinogenesis and Molecular Biology Specialty Sections.

DNA Damage and Repair in Human Genes—Relation to Cancer Mutations, G. P. Pfeifer, Department of Biology, Beckman Res. Institute of the City of Hope, Duarte, CA.

Predicting the Mutational Specificity of DNA Damaging Agents, J. M. Esigmann, Division of Toxicology, Department of Chemistry, Massachusetts Institute of Technology, Cambridge, MA.

Effects of Target Gene CpG Content on Spontaneous Mutation in Transgenic Mice, T. R. Shope, Washington University, St. Louis, MO.

What Are We Learning About Mutational Mechanisms from Mutational Spectra?, B. W. Glickman, Centre for Environmental Health and the Department of Biology, University of Victoria, Victoria, BC, Canada.

Tumor Suppressor Genes: At the Crossroads of Molecular Carcinogenesis and Molecular Epidemiology, C. C. Harris, ICF, National Cancer Institute, Bethesda, MD.

ALTERATIONS IN CYTOKINE RECEPTORS BY XENOBIOTICS

Chairpersons: K. Redgeway, University of Southern California, Los Angeles, CA, and M. D. Cohen, University of Southern California, Los Angeles, NY.

Sponsored by the Immunotoxicology Specialty Section.

Tumor Necrosis Factor (TNF) Receptor-Mediated Immunotoxicity: Differential Signaling Delineated Through TNF Receptor (TNFR) Knockout (KO) Mice, L. B. Schook, University of Minnesota, St. Paul, MN.

Interaction of Distamycin Analogues, Opioids and HIV-1 Envelope Proteins with Chemokine Receptors, J. J. Oppenheim, National Cancer Institute, Frederick, MD.

Suppression of Interferon-γ-Dependent T Cell Proliferation by Benzene Derivatives, B. M. Freed, Department of Medicine, University of Colorado Health Sciences Center, Denver, CO.

Alterations in Interferon (IFN) Receptor Binding/Post-Binding Events Induced by Xeno¬biotics, M. D. Cohen, Department of Environmental Medicine, New York University Medical Center, Tuxedo, NY.

MOLECULAR AND CELLULAR BIOLOGY OF CHEMICAL CARCINOGENESIS

Chairpersons: D. Warshawsly, University of Cincinnati, Department of Environmental Health, Cincinnati, OH, and J. R. Landolph, University of Southern California, Comprehensive Cancer Center, Los Angeles, CA.

Sponsored by the Carcinogenesis Specialty Section.

Activation of Chemical Carcinogens Through Chlorohydrin Intermediates, T. Meehan, Department of Biopharmaceutical Sciences, University of California, San Francisco, CA.

DNA Adducts as a Method to Determine Carcinogen Activation, W. M. Bautz, Purdue University, West Lafayette, IN.

DNA Adduct Formation and Oncogene Activation by N-Heterocyclic Aromatics, D. Warshawsly, Department of Environmental Health, University of Cincinnati, Cincinnati, OH.

Molecular Biology of Polyaromatic Hydrocarbon-Induced Cell Transformation, J. R. Landolph, USC Comprehensive Cancer Center, Schools of Medicine/Pharmacology, University of Southern California, Los Angeles, CA.

Breast Cancer: The Microminvironment Chromatic Connection, M. J. Bissell, Berkeley Lab, Berkeley, CA.

THE ROLE OF GLUTATHIONE IN NEUROPROTECTION AND NEUROTOXICITY

Chairpersons: T. J. Monks, University of Texas at Austin, College of Pharmacy, Austin, TX, and E. F. Lock, Zenera, Central Toxicology Laboratory, Macclesfield, Cheshire, England.

Sponsored by the Mechanisms and Neurotoxicology Specialty Sections.

Detoxification Processes and Conjugate Transport Mechanisms in the Choroid Plexus and Other Blood-Brain Interfaces, J. E. Gheri-Argu, INSERM U325, Institut Pasteur de Lille, Lille, France.

Cellular Substrates for Differential Sensitivity to Neurotoxicants, M. A. Philbert, Neurotoxicology Research Laboratories, University of Michigan, Ann Arbor, MI.

Selective Toxicity to Cerbellar Granule Cells: The Role of Glutathione and the NMDA Receptor, E. A. Lock, Zenera, Central Toxicology Laboratory, Alderley Park, Cheshire, England.

Metalloproteins: Identifiers for Brain: Role in Neurotoxicity, A. J. Cooper, Department of Biochemistry, Cornell University Medical College, New York, NY, and Burke Medical Research Institute, White Plains, NY.

Glutathione-Dependent Bicataion of Methylmercury Oxidation: A Serotonergic Neurotoxicant, T. J. Monks, Division of Pharmacology and Toxicology, College of Pharmacy, University of Texas, Austin, TX.

XENOBIOTIC-INDUCED OXIDATIVE STRESS IN GENOTOXICITY AND CARCINOGENESIS

Chairpersons: R. J. Brennan and R. H. Schiestl, Harvard School of Public Health, Boston, MA.

Sponsored by the Carcinogenesis and Molecular Biology Specialty Sections.

Mechanisms That Prevent or Repair Oxidative DNA Damage, D. Demple, Department of Molecular and Cellular Toxicology, Harvard School of Public Health, Boston, MA.

Is Oxidative Stress Involved in the Molecular Mechanisms of Metal Carcinogenesis?, M. Cost, Department of Environmental Medicine, New York University Medical Center, New York, NY.

Oxidative Stress and Nongenotoxic Carcinogenesis, J. E. Klaunig, Division of Toxicology, Department of Pharmacology and Toxicology, Indiana University School of Medicine, Indianapolis, IN.

Free Radicals and Genotoxic Damage Induced by Carcinogens, R. J. Brennan, Department of Molecular and Cellular Toxicology, Harvard School of Public Health, Boston, MA.

Continued on page 8
Symposia Sessions
Continued from page 7

EPIGENETIC MECHANISMS IN TOXICOLOGY

Chairpersons: J. E. Teskeé and J. I. Goodman, Department of Pediatrics and Human Development and Department of Pharmacology and Toxicology, Michigan State University, East Lansing, MI.
Sponsored by the Carcinogenesis Specialty Section and the Risk Assessment Task Force.

Modulation of Gap Junctional Communication, Disrupted Homoeostasis and Epigenetic Toxicology, J. E. Teskeé, Department of Pediatrics and Human Development, Michigan State University, East Lansing, MI.
Epigenetic Mechanisms in Radiation-Induced Neoplastic Transformation and Mutations, J. B. Little, Department of Cancer Biology, Harvard School of Public Health, Boston, MA.
Altered DNA Methylation, Epigenetics and Cancer, P. W. Laird, USC/Norris Cancer Center, Los Angeles, CA.
Molecular Endpoints in Mechanistic Toxicology Studies: Toxicology Enters the Genome Era, S. B. Farr, Phase-1 Molecular Toxicology Inc., Santa Fe, NM.

LIVER CELL MODELS FOR UNDERSTANDING MECHANISMS OF TOXICITY

Chairpersons: C. A. McQueen, University of Arizona, Tucson, AZ, and J. Zuid, Johns Hopkins University, Baltimore, MD.
Sponsored by the In Vitro Specialty Section.

Xenobiotic and Hormonal Regulation of CYP2E1 and CYP3A
Expression in Primary Cultured Rat Hepatocytes, R. F. Novak, Institute of Chemical Toxicology, Wayne State University, Detroit, MI.
Molecular Responses of Cultured Rat Hepatocytes to Endogenous Mediators of Liver Injury, R. E. Billings, Department of Environmental Health, Colorado State University, Fort Collins, CO.
Precision-Cut Liver Slices: Investigation of the Molecular Response to Toxicants, A. R. Parrish, Southwest Environmental Health Sciences Center, University of Arizona, Tucson, AZ.
Cultured Liver Slices as a Model to Study Cytochrome P-450 Mediated Metabolism or Mitogen-Induced Replication, J. D. Vagner, Johns Hopkins School of Public Health, Baltimore, MD.

THE ENIGMA OF ARSENIC CARCINOGENESIS: ROLE OF METABOLISM

Chairpersons: P. L. Coering, USDA, Rockville, MD, and M. P. Wairkes, NCI at NIHES, Research Triangle Park, NC.
Sponsored by the Carcinogenesis and Metals Specialty Sections.

Biodiversity of Intragenic Arsenic Methyltransferases, H. V. Pachepa, The University of Arizona, Tucson, AZ.
The Association of Arsenic-Induced Malignant Transformation with DNA Hypomethylation and Altered Gene Expression, M. P. Wairkes, NCI at NIHES, Research Triangle Park, NC.
Mechanisms of Arsenic Induced Cancer: A Role for Hypermethylation, M. J. Masi, Biochemistry and Pathology Branch, Environmental Carcinogenesis Division, NIHES, USEPA, Research Triangle Park, NC.
Impact of Arsenic Metabolism on Human Populations: Metabolism of Arsenic and Sensitivity to Carcinogenesis in Humans, M. E. Cebrian, Seccion de Toxicologia Ambiental, CINVESTAV-IPN, Mexico, D.F.
Impact of Arsenic (As) Metabolism of Human Populations: Doseresponse Relationships in Arsenic-Induced Cancers, B. D. Beck, Gradient Corp., Cambridge, MA.

UNIQUE ROLES OF CHOLINESTERASES AND ACETYLCHOLINE IN THE DEVELOPING NERVOUS SYSTEM

Chairpersons: S. Barone, Jr. and S. Padilla, Neurotoxicology Division, NIHES/USEPA, Research Triangle Park, NC, and D. Stuev, DuPont Merck Pharmaceutical Company, Newark, DE.
Sponsored by the Neurotoxicology and Reproductive and Developmental Specialty Sections.

Developmental Roles for Cholinesterases, S. Brimijoin, Department of Pharmacology, Mayo Clinic, Rochester, MN.
Morphogenetic Roles of Acetylcholine, J. M. Ludor, Department of Cell Biology and Anatomy, University of North Carolina School of Medicine, Chapel Hill, NC.
Studies on a Cell Adhesive Role for AChE in Neurite Outgrowth, J. W. Bigbee, Department of Anatomy, Virginia Commonwealth University, Richmond, VA.
Possible Effects of Cholinergic Tone on Neurotrophic Factor Expression and Neural Development, S. Barone, Jr., Neurotoxicology Division, NIHES/USEPA, Research Triangle Park, NC.
Cholinergic Targeting by Environmental Disruptors of Neural Cell Development, T. A. Skelton, Department of Pharmacology, Duke University Medical Center, Durham, NC.

BIOLOGICALLY-BASED APPROACHES TO NASAL TOXICANT RISK ASSESSMENTS

Chairpersons: M. S. Bogdani, Haskell Laboratory, E. I. du Pont de Nemours and Co., Newark, DE, and M. E. Andersen, ICF Kaiser Engineers, Inc., Research Triangle Park, NC.
Sponsored by the Risk Assessment Specialty Section.

Vapor Deposition Methodology for Reactive and Non-Reactive Vapors, J. B. Moris, Toxicology Program, University of Connecticut, Storrs, CT.
Physiologically-Based Approaches to Vinyl Acetate Risk Assessment: Reducing Uncertainties Through Experimentation and Model Refinement, M. S. Bogdani, Haskell Laboratory, E. I. du Pont de Nemours Co., Newark, DE.
Clearance Concepts Applied to Nasal Metabolism Theoretical Development and an Example with Methylmethacrylate (MMA), M. E. Andersen, ICF Kaiser Engineers, Inc., Research Triangle Park, NC.
A Hybrid Dosimetry Model Incorporating Computational Fluid Dynamics and Computational Modeling to Describe the Nasal Deposition of Acidic Vapors in Rats and Farmers, C. B. Freidrich, Bohm and Haus Co., Spring House, PA.
Sensitivity of Risk Estimates in F344 Rats to Regional Nasal Formaldehyde Flux Predictions, J. S. Kimbel, Chemical Industry Institute of Toxicology, Research Triangle Park, NC.

THE EPIDEMIOLOGY OF BREAST CANCER: UNRAVELING THE ROLES OF GENETICS, LIFESTYLE, AND ENVIRONMENTAL FACTORS

Chairperson: D. L. Eaton, Department of Environmental Health, University of Washington, Seattle, WA.
Overview of the Epidemiology of Breast Cancer, D. B. Thomas, Program in Epidemiology, The Fred Hutchinson Cancer Research Center, Seattle, WA.
The Genetics of Breast Cancer: BRCA1 and BRCA2, M. C. King, Division of Medical Genetics, Department of Medicine, University of Washington, Seattle, WA.
Mathematical Issues in the Study of Diet and Breast Cancer, R. L. Prentice, Department of Biostatistics, University of Washington and The Fred Hutchinson Cancer Research Center, Seattle, WA.
Workshop Sessions

COMPARATIVE BIOLOGY IN INHALATION RESEARCH

Chairpersons: K. E. Pinkerton and C. G. Flapper, University of California, Davis, CA.

Sponsored by the Inhalation Specialty Section.

Species Variability in the Cellular and Metabolic Characteristics of the Mammalian Lung, C. G. Flapper, Departments of Anatomy, Physiology, and Cell Biology and Molecular Biosciences, School of Veterinary Medicine and California Regional Primate Research Center, University of California, Davis, CA.

Perinatal Lung Development of the Nonhuman Primate Lung, J. J. Colson, University of Texas Health Science Center, San Antonio, TX.

Comparative Aspects of Nasal Airways: Relevance to Inhalation Toxicology, J. R. Hartman, Department of Pathology, Michigan State University, East Lansing, MI.

Comparative Biology of the Lower Respiratory Tract: Relevance to Environmental Air Pollutants, K. E. Pinkerton, Departments of Anatomy, Physiology, and Cell Biology, University of California, Davis, CA.

Inhalation Gene Therapy in the Nonhuman Primate Lung, R. J. McDonald, Department of Pediatrics and California Regional Primate Research Center, University of California, Davis, CA.

THE FQPA (FOOD QUALITY PROTECTION ACT OF 1996): THE CHALLENGING NEW AGGREGATE EXPOSURE RISK ASSESSMENTS

Chairperson: L. A. Fox, Bayer Corporation, Kansas City, MO.

Sponsored by the Food Safety, Risk Assessment, and Regulatory and Safety Evaluation Specialty Sections.

Exposure Sources and Assessments: Types, Sources and Data Gaps of Dietary and Nondietary Components, D. C. Elberse, Bayer Corporation, Kansas City, MO.

Use and Activity Patterns: NHEXAS (National Human Exposure Assessment Survey), The Baltimore Study, P. B. Ryan, Rollins School of Public Health, Emory University, Atlanta, GA.

Aggregate Exposure Risk Assessments and the Emerging Challenge of Cumulative Exposure, B. J. Peterson, Noven Sciences, Inc., Washington, DC.

FQPA Policy and the EPA, P. A. Fenner-Crisp, USEPA, Washington, DC.

THE IMPORTANCE OF DOSE AND ROUTE IN THE INTERPRETATION OF NEUROTOXICOLOGICAL RISK

Chairperson: H. A. Tilson, Neurotoxicology Division, USEPA, Research Triangle Park, NC.

Sponsored by the Neurotoxicology Specialty Section.

Principles of Pharmacokinetics for Neurotoxicologists, D. C. Dorman, Chemical Industry Institute of Toxicology, Research Triangle Park, NC.

Recent Approaches to Measuring Tissue-Tissue Concentrations (C) in Neurotoxicological Studies, W. Shih, Jr., Division of Neurotoxicology, NCTR/TEA, Jefferson, AR.

Route of Administration Determines Morphologic Manifestations of Toxic Anoxoparaphrenes, R. M. LaFach, Anesthesia Research, Albert Einstein College of Medicine, Bronx, NY.

Temporal Extrapolation in Neurotoxicology, C. M. Caplin, NIEHS, USEPA, Research Triangle Park, NC.

Exposure Scenario and Quantitative Risk Assessment, D. Haisis, Center for Technology, Environment, and Development, Marsh Institute, Clark University, Worcester, MA.

WOODSMOKE: TOXICOLOGICAL IMPACTS AND HUMAN HEALTH RISKS

Chairpersons: R. Stoess, Toxicology Program, University of Connecticut, Storrs, CT, and J. Z. Zeilik, New York University School of Medicine, Institute Environmental Medicine, Tuxedo, NY.

Sponsored by the Immunotoxicology and Inhalation Specialty Sections.

Woodsmoke: Emission Trends, Chemical Composition and Ambient Variability, T. V. Larsen, Department of Civil Engineering, University of Washington, Seattle, WA.

Epidemiological Studies of the Human Health Impacts of Woodsmoke, M. J. Lipsert, University of California, San Francisco, CA.

Human Health Risk From Woodsmoke, J. Q. Kenny, University of Washington, Seattle, WA.

Woodsmoke (WS) Impairs Host Resistance Against Pulmonary Infections in an Animal Model, J. Z. Zeilik, New York University School of Medicine, Department of Environmental Medicine, New York, NY.

Regulation: A Governmental Perspective on Residential Wood Burning, N. N. Mayhew, Puget Sound Air Pollution Control Agency, Seattle, WA.

ENDOCRINE DISRUPTER IDENTIFICATION: THE EDSTAC PROCESS

Chairperson: R. Kavlock, USEPA, Research Triangle Park, NC.

Sponsored by the Reproductive and Developmental Specialty Section.

Conceptional Framework and Principles for a Screening and Testing Strategy for Endocrine Disrupting Chemicals, L. W. Reiter, National Health and Environmental Effects Research Laboratory, USEPA, Research Triangle Park, NC.

Priority Setting for Endocrine Disruption Screening and Testing, T. G. Osment, S. C. Johnson and Son, Inc., Racine, WI.

Screening and Testing for Endocrine-Mediated Toxicants, G. P. Daston, The Precer & Gamble Co., Cincinnati, OH.

EDSTAC: Communications and Outreach Efforts Seeks to Improve Communication with the Public and Interested Parties, P. L. deFur, Center for Environmental Studies, Virginia Commonwealth University, Richmond, VA.

SHORT-TERM TESTS FOR PREDICTING RESPIRATORY TRACT TOXICITY OF INHALED PARTICULATES


Sponsored by the Inhalation Specialty Section.

Four-Week Tests for Assessing Mechanisms of Respiratory Tract Toxicity of Inhaled Particulates, D. B. Wurthei, DuPont Haskell Laboratory, Newark, DE.

Acute and One-Week Inhalation Exposure with Focus on Sensitivity of Biochemical and Physiological Methods to Probe Lung Damage Caused by Irritant Particulates, J. Pauluhn, Institute of Toxicology, Bayer AG, Wuppertal, Germany.

Cell Proliferation, Inflammation Mediators and Other Short-Term Assessments of Particulate Toxicity, R. F. Hendren, Lovelace Respiratory Research Institute, Albuquerque, NM.

The Use of Cytokines as Predictive Markers of Pulmonary Inflammation and Fibrosis, K. E. Driscoll, The Precer and Gamble Company, Cincinnati, OH.

Do Short-Term Testing Strategies Qualitatively and Quantitatively Predict the Endpoints of Concern, G. Oberdoster, Environmental Medicine, University of Rochester, Rochester, NY.

IMMUNOTOXICITY: DEVELOPING STRATEGIES TO IDENTIFY RISK OF AUTOIMMUNE DISEASE ASSOCIATED WITH CHEMICAL EXPOSURE

Chairpersons: M. J. R. Selgrade, National Health and Environmental Effects Research Lab., USEPA, Research Triangle Park, NC, and K. L. White, Jr., Medical College of Virginia/Virginia Commonwealth University, Richmond, VA.

Sponsored by the Immunotoxicology Specialty Section.

Interactions Between Genetic Factors and Environmental Agents: Autoimmune Thyroiditis and Dietary Iodine, N. R. Rose, Departments of Pathology and of Molecular Microbiology, The Johns Hopkins Medical Institutions, Baltimore, MD.

Insulin Dependent Diabetes Mellitus: Immune Endpoints Associated with Risk of Disease, R. Tieck, Department of Microbiology and Immunology, University of North Carolina, Chapel Hill, NC.

Continued to page 10
Workshop Sessions

Continued from page 9

Use of Brown Norway Rat and NZBxW Mouse Models of Systemic Lupus Erythematosus to Assess Effects of Silicone Gel, Metals, and Other Xenobiotics on Autoimmune Disease. K. L. White, Jr., Medical College of Virginia/Virginia Commonwealth University, Richmond, VA.

TCDD, DES, and Estradiol Potentiate a Lupus-Like Autoimmune Nephritis in NZB X SWR (SNF) Mice. A. E. Silverstone, Department of Microbiology & Immunology, State University of New York: Health Science Center at Syracuse, Syracuse, NY.

APPLICATION TOXICOLOGICAL BIOMARKERS TO RISK ASSESSMENT

Chairperson: W. Slikker, Jr., Division of Neurotoxicology, NCTR/FDA, Jefferson, AR.

Sponsored by the Neurotoxicology, Risk Assessment, and Reproductive and Developmental Specialty Sections.


Lead Neurotoxicity: Biomarkers, Risk Assessment and Extrapolation to Humans. D. A. Coty-Slecha, University of Rochester Medical School, Rochester, NY.

The Use of the Peripheral Benzodiazepine Receptor (PBR) to Assess the Risk of MPTP. T. R. Guidette, Department of Environmental Health Sciences, The Johns Hopkins University School of Medicine, Baltimore, MD.

Risk Assessment of Dicumarol Using the Use of Quantitative Histological Techniques. W. Slikker, Jr., Division of Neurotoxicology and Office of the Director, NCTR/FDA, Jefferson, AR.

Developmental Exposure to Retinoids: Risk Assessment with the Use of Physiologically Based Pharmacokinetic Modeling. H. J. Clewell, III, ICF Kaiser, Ruston, LA.

CHEMICAL CONTACT ALLERGY STRUCTURE ACTIVITY RELATIONSHIPS (SAR)

Chairpersons: G. F. Getherick, Procter and Gamble Company, Miami Valley Laboratories, Cincinnati, OH, and M. H. Karol, Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA.

Sponsored by the Immuno toxicology Specialty Section.

A Quantitative Model for Contact Allergy and the Use of Clinical Report Data. H. Mabuchi, Department of Dermatology, University of California, San Francisco, CA.


Comparational Toxicity Assessment of Dermal Sensitization in the Guinea Pig, K. Enslow, HDS, Detroit, MI.

The Case/Multicase System Model of Contact Allergy. M. H. Karol, Department of Environmental and Occupational Health, University of Pittsburgh, Pittsburgh, PA.

TOXICOLOGY OF PROTEIN ALLERGENICITY: PREDICTION AND CHARACTERIZATION

Chairpersons: I. Kimber, Zeneca Central Toxicology Laboratory, Macclesfield, England, and N. I. Kellaway, Department of Agricultural Chemistry, Oregon State University, Corvallis, OR.

Sponsored by the Food Safety and Immunotoxicology Specialty Sections.

Protein Allergenicity: Assessment of Genetically Modified Food. S. L. Taylor, Department of Food Science & Technology, University of Nebraska, Lincoln, NE.

Allergenicity of Bioengineered Foods: Relationship to Digestibility and Stability. J. D. Aswood, Protein Characterization and Safety Center, Monsanto Company, St. Louis, MO.

Protein Respiratory Allergy Approaches to Risk Assessment. K. Sarlo, The Procter & Gamble Company, Cincinnati, OH.

Allergenicity and Immunogenicity of Proteins: An Experimental Approach. R. J. Derman, Zeneca Central Toxicology Laboratory, Macclesfield, Cheshire, UK.

Roundtable Sessions

THE USE OF INHALATION VS. INSTALLATION METHODS TO ASSESS PULMONARY TOXICITY


Sponsored by the Inhalation Specialty Section.


EPA AND FDA GUIDELINES FOR REPRODUCTIVE AND DEVELOPMENTAL TOXICITY TESTING: WHY SUCH DIFFERENCES?

Chairperson: P. M. D. Foster, Chemical Industry Institute of Toxicology, Research Triangle Park, NC.

Sponsored by the Reproductive and Developmental Specialty Section.

Speakers: P. M. D. Foster, CIIT, Research Triangle Park; NC; S. I. Makris, USEPA, Washington, DC; M. E. McNemey, USFDA, Rockville, MD; C. I. Tellison, Valen USA Corporation, Walnut Creek, CA; P. L. Wier, Smith/Kline Beecham Pharmaceuticals, King of Prussia, PA.

Continuing Education Courses

Continuing Education Courses offer both basic and advanced topics and will be offered on Sunday, March 1.

Course descriptions were included in the Preliminary Information Packet mailed to members last July and will also be included in the Annual Meeting Preliminary Program that will be mailed to members in mid-December.

- Protein-Protein and Protein-DNA Interactions: Implications and Uses in Toxicology
- Overview of Uncertainty Analysis
- Cytokines as Indicators of Toxicity: The Immune System and Beyond
- Measurements of Oxidative Stress
- Methods for Assessment of Neurotoxicity
- International Harmonization of Non-clinical Toxicology: Regulation vs. Practice
- Small Intestinal Responses to NSAIDs and Other Insults
- Cellular and Molecular Pathways in Apoptosis and Necrosis
- Methods of Cell Signalling
- Effective Risk Communication: Avoiding the Pitfalls
- Integration of Mechanistic, Pathologic, and Toxicokinetic Data in Safety Assessment
- In Vitro and In Vivo Assessment of Carcinogenic Toxicity
- Current Development Biology: Relevance and Application for Developmental Toxicology
- Emerging In Vitro Toxicology Testing Methods
REGIONAL CHAPTER NEWS

SOUTHEASTERN CHAPTER OF THE SOCIETY OF TOXICOLOGY
1997 ANNUAL MEETING

The Southeastern Chapter held its Annual Meeting on the University of Georgia campus in Athens, Georgia, on October 2nd and 3rd. The meeting was well attended with 68 registered guests. Speakers for the afternoon symposium “Risk Assessment: Current Approaches and Recent Advancements” included: Dr. Michael Dearborn, TERA Inc., Cincinnati, OH; Dr. Jim Cogliano, U.S. EPA, Washington, D.C.; Dr. Ted Simon, U.S. EPA Region IV, Atlanta, GA; and Dr. Robert Young, ORNL, Oak Ridge, TN.

On the evening of the 2nd, an outdoor social/reception was held. Guests enjoyed the beautiful weather and food. They also had an opportunity to visit with the speakers from the symposium.

The poster and platform sessions were well attended this year with a $100 award presented for the best graduate student presentation in each session. The three judges, Kenneth Voss, Walter Farkas, and Robert Young, noted the high quality of all the graduate student presentations. The platform presentation award went to Robert Wentworth of the Institute of Ecology at the University of Georgia for his presentation of “137Cesium Contamination in 29,000 White-Tailed Deer at the Savannah River Site Nuclear Production Facility” with coauthors I. L. Brubin, M. H. Smith, C. E. Dallas, and C. H. Jagoe. The poster presentation award went to Tessa L. Long of the Department of Pharmacology, Quillen College of Medicine, East Tennessee State University for her poster entitled “Comparison of the Effects of Cocaine, Norcocaine, and Cocaethylene on the Vasorestrictive Response to Serotonin and Norepinephrine in the Human Umbilical Artery” with coauthors K. E. Ferslew, P. J. Rice, U. C. Nwosu, F. R. Jelovsek, and R. K. Jaekle.

During the annual business meeting, this year’s president, Randall Manning, introduced the new officers for the coming year. They are: Evan Gallagher, University of Florida, Gainesville, FL, President-Elect (1998-99); Allan Susten, ATSDR, Atlanta, GA, Secretary/Treasurer (1998-2000); and Eric Schulze, University of Tennessee, Knoxville, TN, Councilor (1998-2000). Additionally, five past-presidents were in attendance and were presented with Certificates of Appreciation for their past and continuing service to the Chapter. They included Kenneth Voss (1992-1993), Anthony DeLucia (1993-1994), Walter Farkas (1994-1995), Cham Dallas (1995-1996), and Robert Young (1996-1997). Carl Schulz, past-president from 1991-1992 could not attend the meeting, but was acknowledged also.

Members were reminded to plan for the Chapter’s annual gathering at the Annual Meeting in Seattle, Washington. Also, discussions were opened regarding the location of the 1998 Fall meeting, with suggestions for a meeting in Florida garnering support as a means of increasing the Chapter’s interaction with toxicologists from that area.

OHIO VALLEY REGIONAL CHAPTER NEWS

The Ohio Valley Regional Chapter (OVSCOT) held its Fifteenth Annual Fall Meeting at the US EPA, Cincinnati, OH, on November 7, 1997. The topic of the scientific meeting was "Toxicology of Endocrine Disruptors." Invited speakers and titles of their presentations were Dr. Paul Foster, Chemical Industry Institute of Toxicology, Research Triangle Park, NC, on "Do Endocrine-Active Chemicals Pose a Risk to Male Reproduction?"; Dr. William Waddell, University of Louisville, Louisville, KY, on "Epidemiological Studies on the Effects of Environmental Estrogens"; Dr. Rory Conolly, Cit, on "Risk Assessment for Endocrine Active Compounds"; and Dr. Brent D. Palmer, University of Kentucky, Lexington, KY, on "Vitellogenin as a Biomarker for Xenobiotic Estrogens in Wildlife and Laboratory Models."

There were 21 poster presentations, 15 by graduate students from Indiana University School of Medicine, The Ohio State University, the University of Kentucky Medical Center, and the University of Louisville, and six by scientists from the Air Force Research Laboratory/Operational Toxicology and the Navy Medical Research Institute/Toxicology Detachment. Winners of the graduate student poster presentation competition were (1st Place) Melanie Lynch, OSU, on "Mutational Analysis of the Transforming Growth Factor Type II Receptor in Human Ovarian Carcinoma"; (2nd Place) Raj Gopalakrishnan, OSU, on "Identification of a Cytochrome P450 Enzyme that Metabolizes N-nitrosomethylbenzylamine in the Rat Esophagus"; and (Honorable Mention) A. Shrivas, UKMC, on "Metabolites of Polychlorinated Biphenyls (PCBs): Production of Reactive Oxygen Species and DNA Strand Breaks." Judges for this year’s graduate student competition were Dr. Lorriene Buckley, Lily Research Laboratories, Dr. George Daston, Procter and Gamble Research Laboratory, and Dr. John Latendresse, ManTech Environmental Technology, Inc. During the business and Executive Council meetings, nominations were gathered for outgoing officer/councilor positions. Dr. Carl Potter, EPA, gave a treasurer’s report, and discussions occurred on establishing an OVSCOT Web site, on amendments to the Council by-laws, and on arranging an informal meeting at next year’s annual SO meeting in Seattle. Incoming OVSCOT President, Dr. Darol Dodd, ManTech Environmental, presented an engraved gavel to outgoing President, Dr. James Klaunig, Indiana University School of Medicine, in appreciation for his achievements and hard work during his two-year tenure. Dr. Hollie Swanson, UKMC, announced the creation of the newly formed K-12 Educational Committee of the SOT and described its objectives. Approximately 60 members attended this year’s event.

Winter 1998
Regulatory Toxicologist

The Texas Natural Resource Conservation Commission in Austin, Texas is currently accepting résumés for Toxicologist/Risk Assessment Specialists. The ideal candidate will possess a M.S. or Ph.D. degree in toxicology or closely related field, with a minimum of 1-3+ years experience evaluating environmental data and conducting human health risk assessments. The positions offer an opportunity to interface between science and policy management, as well as impact environmental decision-making at national, regional, and state levels. Candidates will join a group of 18 experienced toxicologists and will have opportunities to work with multidisciplinary teams of environmental professionals. Excellent oral and written communication skills are required. We offer competitive salaries, comprehensive benefits, and opportunities for professional development. Proof of authorization to work in the United States will be required at the time of employment. Located along the eastern edge of the Texas Hill Country, Austin is renowned for its natural beauty and superb quality of life. Interested applicants should send their curriculum vitae, undergraduate and graduate transcripts, and an introductory letter outlining their general background and career goals to: TNRCC; Attn: Laurie Couture Haws, Ph.D., DABT; Toxicology & Risk Assessment Section, MC-168; P.O. Box 13087; Austin, TX 78711-3087. EEO/AA/ADA/Employer.

Associate Director/Director of Toxicology

SEQUUS Pharmaceuticals, Inc. is a leader in the development, manufacture, and commercialization of liposomal drugs and lipid-based biopharmaceutical products primarily to treat cancer and certain fungal infections. Proud to be among the 2% of biotech companies formed in the last 20 years with approved products on the U.S. market, we are building our talented team for further success.

Supervising a small staff, you will be responsible for study design/monitoring, writing reports, and general oversight of GLP safety studies. You will also design and supervise in-house pilot studies and mechanistic studies. The selected candidate must have a Ph.D., DVM or equivalent and a minimum 4-6 years experience in the pharmaceutical industry. Knowledge of GLP guidelines and experience writing documents for regulatory submission in the U.S. and worldwide are required. Previous management experience is a plus, as is familiarity with toxicokinetics, toxicodynamics and drug metabolism. Good verbal/written communication and interpersonal skills are a must. American Board of Toxicology certification is desirable.

To achieve SEQUUS's mission of improving patients' lives, we are building teams and empowering the best talent in our industry, providing a productive professional environment, and rewarding performance linked to the achievement of goals. Please send your résumé to: SEQUUS Pharmaceuticals, Inc., Professional Staffing, 960 Hamilton Court, Menlo Park, CA 94025, Fax (650) 463-3124, or E-mail: resumes@sequus.com. To learn more about SEQUUS, visit our Web site at http://www.sequus.com. We promote a diverse workforce/EOE.

Nicholas Chair, Environmental Toxicology

The Nicholas School of the Environment (NSOE) seeks applicants for a distinguished chair at the level of full professor in environmental toxicology. Applicants are expected to be internationally recognized experts. Preference is for candidates that have demonstrated expertise in the elucidation of the fate and effects of environmental contaminants in ecosystems, and who have an appreciation for human health effects of these contaminants. The successful candidate is expected to maintain an externally funded research program, to teach and advise graduate-level research and professional students, and to provide leadership for Duke's Integrated Toxicology Program (ITP). The ITP is a multidisciplinary, university-wide academic consortium with participants from NSOE, Duke University Medical Center, and Duke University Trinity College of Arts and Sciences. It includes an NIEHS funded program for doctoral and post-doctoral trainees.

Applicants should send a curriculum vitae, a statement of research and teaching interests, a statement of administrative philosophy, and names and addresses of three references by January 15, 1998. All application materials and requests for further information should be directed to: Dr. Richard T. Di Giulio, Chair, Environmental Toxicology Search Committee, Nicholas School of the Environment, Box 90328, Duke University, Durham, NC 27708-0328 USA. Duke University is an Equal Opportunity/Affirmative Action Employer.

Faculty Position in Toxicology/Drug Metabolism

The Department of Pharmaceutical and Biomedical Sciences at the University of Georgia College of Pharmacy is seeking applicants for a tenure track faculty position at the rank of Assistant, Associate or Full Professor. Outstanding scientists with expertise in molecular toxicology, drug metabolism, carcinogenesis or related area are encouraged to apply. Applicants should possess the Ph.D. degree in an appropriate field. Associate and Full Professors will be expected to have an active, extramurally funded research program. The successful applicant is expected to establish/maintain an independent research program as well as develop interdisciplinary research collaborations. A commitment to professional and graduate education is essential. The successful candidate will also be an active member of the University of Georgia Interdisciplinary Toxicology Program. Review of candidates will begin February 1, 1998, and will continue until the position is filled. Send vitae, research plans and names of at least three references to: James V. Bruckner, Ph.D., Chair, Search Committee, Attn: Ms. Joy Wilson, Department of Pharmaceutical and Biomedical Sciences, College of Pharmacy, The University of Georgia, Athens, GA 30602-2353, Phone: (706) 542-5405, E-mail: bruckner@rx.uga.edu. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.
**Placement Services**

**Toxicologist**

Procter & Gamble is seeking a Ph.D. toxicologist, preferably with several years of dermatologically-related experience. The successful candidate will direct various types of clinical testing, monitor/evaluate technical literature, and perform safety evaluations for cosmetics being developed for the global market. They will manage product stewardship, participate in litigation support, and serve on industry technical committees. This position requires cross-functional interactions with manufacturing, marketing, and public affairs personnel. Excellent oral and written communications skills are essential. This opening is at the Hunt Valley (Maryland) Technical Center.

P&G offers a competitive salary and benefits package, placing us among the top 5% of U.S. firms. P&G is an Equal Opportunity Employer. Applicants must be presently authorized to work in the U.S. on a full-time basis. No agency referrals, please.

If you meet the qualifications for this position, please send a letter of introduction, resume, and list of publications to: Dr. G. D. Owens, The Procter & Gamble Company, Doctoral Recruiting, P. O. Box 538707 - Dept. DWB, Cincinnati, OH 45253-8707.

**Program Manager - Dietary and Exposure Assessment**

American Cyanamid, a subsidiary of Fortune 100 American Home Products Corporation, is seeking an individual to join a new group at their Agricultural Products Research Division in Princeton, New Jersey, to perform dietary and exposure risk assessments.

The individual should have an advanced degree in chemistry, toxicology or a related scientific field with experience in performing risk assessments for agricultural chemicals for either dietary or operator exposure. The successful candidate should be familiar with either conducting DRES evaluations and/or using PHEAD and POEM databases/models for performing risk assessments. Responsibilities include responding to questions raised by regulatory agencies (both U.S. EPA and International) concerning exposure and risk assessment, writing assessments for use in regulatory submissions and defense and planning and executing studies needed to develop agricultural products. This covers issues related to dietary risk assessment, non-dietary risk assessment as well as occupational and reentry exposure assessments and includes working as a team member with appropriate Development and Regulatory managers to develop appropriate responses, strategies and/or study protocols.

We offer a competitive salary and excellent benefits, including a 401(k) savings plan, and a convenient location between Philadelphia and New York. For prompt consideration, forward your resume and salary requirements to: Employment Office, American Cyanamid Company, Department JJK/ JD, P. O. Box 400, Princeton, NJ 08543-0400. An Equal Opportunity Employer m/f/d/v.

**Postdoctoral Position**

Available immediately to study the neurochemical consequences of developmental exposure to environmental neurotoxicants using *in-vivo* microdialysis with HPLC analysis of biogenic amine and amino acid neurotransmitters. Experience with tissue culture procedures would be a plus. NIH grant funds administered by Health Research Inc. Affirmative Action/Equal Opportunity Employer.

Send curriculum vitae, including names of three references and a statement of research interests to: Dr. Richard F. Seegal, Wadsworth Center, New York State Department of Health, and Department of Environmental Health and Toxicology, University at Albany, Albany, NY 12201-0509.

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**Request for 1999 Continuing Education Course Proposals**

It's not too soon to think about submitting a proposal for a 1999 Continuing Education (CE) course. You may wonder what factors are considered when planning courses for the Annual Meeting. Major factors include the quality of the submitted proposal and the timeliness of the topic. The CE Committee also considers the need for certain basic topics to be presented every two to five years, and for new topics to be introduced as science advances or the membership changes. The CE Committee also considers the diverse needs of the membership and responds to suggestions of members. Recommendations from Specialty Sections are also considered.

Potential topics for CE courses are quite broad. Suggested topics from members include statistics for toxicologists; neurodegenerative disease; interpretation of clinical trials; risk management; cardiovascular; immunotoxicology; biology of transgenics; solvents; bioethics; cytoskeletal; hepatotoxicity and endocrine disruptors.

The CE Committee can help you plan your course and select good speakers. In selecting speakers, one should bear in mind that CE courses are intended as forums for established concepts, not as forums for presentation of the latest observations.

If you have any ideas about content or speakers for any of the topics suggested above, or know of other topics that others might want to learn more about, then please consider submitting a CE course proposal for a 1999 CE course. Instructions and proposal forms will be included in the Special Issue of the Communique.
IN MEMORIAM

Carl C. Smith, Ph.D., 1914-1997

On October 30, 1997, the Society of Toxicology lost one of its most ardent supporters, Carl C. Smith, Ph.D. As you might expect, his wife, Thelma, contacted officials in the Mechanisms Specialty Section to inform them that the processing of the student research awards would continue. Such was the dedication of Carl and his beloved wife to graduate student research and education.

Carl was born in Lima, Ohio, in 1914 and remained an Ohioan his entire life. He received his M.S. ('36) and Ph.D. ('40) in Biological Chemistry from the University of Cincinnati. His doctoral thesis centered on the synthesis and hydrolysis of acetylcholine followed by post-doctoral studies in hypertension. During World War II, he worked on screening potential anti-malarial compounds. After the war, he continued anti-malarial drug and hypertension studies at Christ Hospital Institute of Medical Research. These anti-malarial studies led him into the discipline of drug metabolism which became one of his main interests. In fact, he served on the executive committee of the Division of Drug Metabolism in the American Society of Pharmacology and Experimental Therapeutics and was founder as well as editor (for 10 years) of its Drug Metabolism Newsletter. When Christ Hospital decided in 1966 to terminate their research efforts, Carl obtained research space in Kettering Laboratories. In 1966, he became the first faculty of the new toxicology training grant at Kettering Laboratories of the University of Cincinnati. He became a Professor of Environmental Health and Pharmacology in 1977 and remained at the university until his retirement in 1983. However, Carl never really retired. He remained active in promoting graduate student research and education throughout his life.

Carl was almost a founding member of the Society of Toxicology, joining in 1962, one year after its organization. He was an active member throughout his membership, chairing the Education Committee. In the early 1980s the first Specialty Section, Mechanisms, was formed. To emphasize the research interests of this Specialty Section, it was proposed to give awards to the best graduate student research on mechanisms of toxicity that was presented at the annual SOT meeting. Starting in 1982, Carl enthusiastically chaired the committee charged with giving these awards.

He was a perfect match for this position and remained chair until his death. Everyone quickly became aware of Carl's sincere interest in promoting recognition of graduate student research accomplishments. He even found an anonymous donor for the award to assure that the awards were not a financial burden to the Specialty Section and would continue.

In recognition for his years of service to the Mechanisms Specialty Section, in 1989 the top graduate student award was officially named the Carl C. Smith Award. Subsequently, his wife of 55 years, Thelma, donated $1,000 of her personal funds to help provide a permanent endowment. We will always remember Carl and Thelma awarding the checks and plaques at the Mechanisms business meeting and taking many pictures of the awardees. He was so proud of the students and their accomplishments.

It was fitting that the last SOT Annual Meeting was in Cincinnati. It was getting more and more difficult for Carl and Thelma to attend the SOT meetings, so having the meeting in Cincinnati allowed them to be involved again in the presentation of the graduate student awards. More importantly we all got to see Carl. The students were once again touched by a kind, sincere mentor who relished in seeing them succeed. It is hard to replace such an individual; he will be missed.

The Society of Toxicology was officially represented at the funeral of Carl C. Smith.

Please contribute to the Carl C. Smith Fund.

Submitted by
A. Jay Gandolli, Professor
Anesthesiology, Pharmacology, and Toxicology
University of Arizona

In Memoriam

Otho Easterday  Louis Levy
Mark A. Green  Carl C. Smith
Ernest C. Hagan  Howard C. Spencer

Scala Award

Continued from page 1

contributions to the field. In reviewing past nominees, the Committee has passed over many superb leaders in the fields who previously contributed to the toxicological sciences and are currently in leadership positions in industry, but are no longer actively engaged in research. This decision is in keeping with the goal of promoting current research activities in industrial organizations.

The Committee notes that there have been relatively few nominations for individuals involved in mechanistic research related to the safety assessment of bioengineered products. There is interesting research in this area currently being conducted in industry and we would welcome such nominations.

The Scala Awardee and date of the lecture is announced at the time of the Annual Meeting of the Society of Toxicology. The lectureship is held at the Environmental and Occupational Health Sciences Institute in the spring.

The deadline for receipt of nominations for this award is December 31, 1997. Please submit your nomination complete with the nominee's C.V. to: Candace Botnick, Public Affairs Coordinator, EOHSI, 681 Frelinghuysen Road, PO Box 1179, Piscataway, NJ 08855-1179, Ph: (732) 445-0206 or E-mail: botnick@ehsri.rutgers.edu.
UPCOMING CONFERENCES

- Society of Toxicology 37th Annual Meeting, March 1-5, 1998, Seattle Convention Center, Seattle, WA. Contact: SOT Headquarters, (703) 438-3115, Fax: (703) 439-3113, E-mail: sotq@toxicology.org.

- Developing Occupational Exposure Limits from Toxicology and Epidemiology Studies, March 6, 1998, Seattle, WA. Contact: ACGLH, 1330 Kemper Meadow Drive, Cincinnati, OH 45240-1634, (513) 742-2020, Fax: (513) 742-3355, E-mail: acglh@acglh.org, Web site: www.acglh.org.


- Mid-America Toxicology Course, April 19-20, 1998, Contact: Curtis D. Klaassen, Ph.D., Professor of Pharmacology and Toxicology, University of Kansas Medical Center, Kansas City, KS 66160-7417, telephone: 913-588-7714, Fax: 913-588-7501, or E-mail: kclaaske@kumc.edu.

- Conference on Issues and Applications in Toxicology and Risk Assessment, April 27-30, 1998, Hope Hotel and Conference Center, Wright-Patterson AFB, OH. Contact: Lois Doncaster, ManTech Environmental Technology, Inc. PO Box 31000, Dayton, OH 45437-0009, Ph: 937-258-5710, ext. 3160, Fax: 937-258-2197, E-mail: doncaster@falcon.al.wpafb.af.mil.

- Health Effects Institute Annual Conference XIV, "Air Pollution: Science and Regulation," April 5-7, 1998, Harborside Hyatt, Boston, MA. Contact: Geoffrey Sunshine or Maria Costanini, HEI, (617) 876-6700, Fax: (617) 876-6709, E-mail: gsunshine@healtheffects.org.

- British Toxicology Society Annual Congress, University of Surrey, UK, April 20-23, 1998. Contact: Dr. TJB Gray, Meetings Secretary, Sanofi Research, Willowburn Avenue, Alnwick, Northumberland NE66 2JH England, 44-1665607302, Fax: 44-1665607510.

- The Third International Symposium on Cosmetic Efficacy Strategies for the 21st Century, May 10-12, 1998, Cologne, Germany. Contact: Dana Rose-Wilson, Dept. of Dermatology, Columbia University, 161 Ft. Washington Avenue, AP-14-1418, New York, NY, (212) 305-2714, Fax: (212) 305-4571, E-mail: wilson@dpm3.cis.columbia.edu.

- 8th International Workshop on Quantitative Structure Activity Relationships (QSARs) in the Environmental Science, May 16-20, 1998, Baltimore Hilton and Towers, Baltimore, MD. Contact: John D. Walker, USEPA, (202) 260-1853, Fax: (202) 260-7989, E-mail: walker.john@epam.epa.gov, or Greg Schiefer, SETAC, (850) 469-1500, Fax: (850) 469-0778, E-mail: schiefer@setac.org, http://www.setac.org.


- 10th International Workshop on In Vitro Toxicology, The Wessex Conference Centre, Sparsholt, Winchester, UK, September 14-18, 1998. Contact: Caroline Sumner, INVITOX 98 Secretariat, Meetings Management, The Chestnuts, 1st Floor, 18 East Street, Fareham, Surrey GU4 7SD, UK, 44-1252-726066, Fax: 44-1252-723303, E-mail: jherrick@meetingsmt-u.net.com.

- British Toxicology Society Autumn Meeting, University of York, UK. September 20-22, 1998. Contact: Dr. TJB Gray, Meetings Secretary, Sanofi Research, Willowburn Avenue, Alnwick, Northumberland NE66 2JH England, 44-1665-407302, Fax: 44-1665-607510.

PUBLICATIONS OF INTEREST

- Advances in Molecular and Cell Biology, Volume 20, Edited by Chipman, J.K. School of Biochemistry, University of Birmingham, UK. Series Editor: Bitter, E. Edward, Physiology Department, University of Wisconsin, Madison, WI. To order: JAI Press, Ltd., 38 Tavistock Street, London WC2E 7PB, UK. Ph: 44-171-379-8834, Fax: 44-171-379-8835 or E-mail: jai@cix.compulink.co.uk.


- Toxicology Desk Reference: The Toxic Exposure and Medical Monitoring Index (TDR), Fourth Edition, edited by P. Ryan and Claude E. Terry. Contact: Elizabeth Cohen, Ph: 215/785-5800, ext. 31 or E-mail: ecotun@tamfda.com. Cost: $450 (paperback or CD-ROM); $550 (paperback and CD-ROM).

- SciWise: To subscribe, E-mail a message to: rjohnson@newswise.com and mention Sciwise in your message or visit http://www.newswise.com/ menu.sm.htm.

- Draft Research plans to guide research on important topics available via the internet at http://www.epa.gov/ORD/resplans/resplans for the following topics:

  Endocrine Disruption
  Global Change
  Microbial Pathogens and Waste
  Pollution Prevention
  Particulate Matter
  Ecological Research

The latest on information on grants to non-profit institutions is available through the Internet at http://www.epa.gov/nccera.
COUNCIL HIGHLIGHTS

Following are the highlights of the November Council Meeting:

1. Council approved a $100 Chairperson Fee to be given to Continuing Education course chairs to help defray administrative costs associated with a Continuing Education course.

2. Council proposes to meet with the Product Liability Advisory Council to discuss efforts to assure that judicial decisions are predicated on sound science, through the use of expert witnesses.

3. Council approved two new Contemporary Concepts in Toxicology (CCT) meetings (formerly called Special Interest Group meetings): "Apoptotic Signaling Pathways," and "Diet and Obesity," to be held in the Washington DC area, Fall 1998.


5. Council voted to increase Graduate Student Travel Award Funds by 10%.

6. Council approved funding for an SOT booth at the Symposium on Careers in Biomedical Sciences to be held in April.

7. Council approved $5,000 for student travel awards to the Annual Meeting in Seattle to be used for Native American students.

8. Council approved $10,000 in travel expenses to invite back 5-10 minority students to attend the Seattle Annual Meeting who have previously gone through the Minority Student Program and are now in graduate study.

9. Council approved funding in support of a TEF Program Review Meeting at which the Foundation Trustees will review K-12 proposals for possible TEF funding.

10. In support of SOT's long-range planning goal to become a media resource, Council approved the CPC's request to hold a public lecture at the Annual Meeting targeted toward health professionals, but open to the general public.

11. Council approved the formation of a new specialty section: Epidemiology Specialty Section.


13. Council approved two new Honorary Members into the Society: Dr. Michael Mercier, WHO International Program on Chemical Safety, and Dr. Minor Coon, University of Michigan.

Request for K-12 Education Demonstration Materials

The K-12 Education Subcommittee is developing a proposal for a workshop at the 1999 SOT Annual Meeting in New Orleans, LA, on K-12 Education on Toxicology. As part of the workshop, the committee would like to include demonstrations that have proven useful in K-12 science education and toxicology programs. The K-12 Sub-committee is seeking examples from SOT members on classroom demonstrations (i.e., videos, computer exercises and other activities suitable for the K-12 classroom) that may be included in the workshop. If you have any suggestions, please contact Dr. Gary Yost, University of Utah, Dept. of Pharmacology & Toxicology, 112 Skaggs Hall, Salt Lake City, UT 84112, Ph: 801-581-7956, Fax: 801-585-3945 or E-mail: gyst@deans.pharm.utah.edu.

SOT Introduces New Director of Public Affairs

Join us in welcoming Deborah Hyman, the new Public Affairs Director for the Society of Toxicology. Deborah joined the group on November 19 and brings to the organization seven years of reporting and public relations experience. She has a B.A. in Mass Media Arts from Hampton University and is a candidate for a Master of Arts degree in Public Communication from the American University. She joins us from the Thomas Jefferson National Accelerator Facility, a Department of Energy nuclear physics research laboratory in Newport News, VA, where she served as the Public Affairs Officer.

"I look forward to the many challenges and opportunities as we work together to promote the efforts and issues of SOT," says Deborah.

In addition to her SOT public relations duties, Deborah is working with the Public Communication Committee and RALA Subcommittee, and will soon take over duties associated with producing the SOT Communiqué newsletter and the WWW Task Force.

Deborah can be reached at SOT Headquarters at Ph: (703) 438-3115 or E-mail: deborahh@toxicology.org.

Happy New Year!
The SOT Council and Headquarters Staff extend their best wishes for the new year!