



Society of Toxicology NEWSLETTER

NOVEMBER-DECEMBER 1986

ISSX/SOT Symposium To Focus on Endogenous Factors in Toxicity of Xenobiotics

The North American Symposium sponsored by the International Society for the Study of Xenobiotics and the Society of Toxicology, November 8-13, 1987, in Clearwater, Florida, has a detailed program planned focusing on "Endogenous Factors in the Toxicity of Xenobiotics."

Sessions include:

- "The Influence of Intestinal Bacteria on Foreign Compound Metabolism," **Douglas E. Rickert**, Chemical Institute of Toxicology, chair.
- "Interactions between Normal Body Constituents and the Cytochrome P-450 Enzymes," chaired by **Allan H. Conney**, Rutgers University.
- "Oxygen as an Endogenous Determinant of Toxicity," chaired by **Ronald G. Thurman**, University of North Carolina.
- "Conjugation Enzymes," chaired by **John R. Bend**, University of Western Ontario, Canada.
- "Free Radical Enzyme Scavengers," chaired by **David E. Davidson, Jr.**, Division of Experimental Therapeutics, Walter Reed Institute of Research, Walter Reed Hospital.
- "Endogenous Free Radical Formation as a Consequence of Drug Metabolism," chaired by **Ronald P. Mason**, National Institute of Environmental Health Sciences (NIEHS).
- "New Concepts in Analytical Methodology," chaired by **David A. Brent**, Burroughs Wellcome Company.

Keynote speakers include **Emil Pfitzer**, Hoffmann-La Roche, and **John Cassida**, University of California, Berkeley.

Richard M. Welch is Scientific Program Chairman and the Program Committee includes **John R. Bend**, Mitchell N. Cayen, **Allan H. Conney**, and **James E. Gibson**. **Frederick J. DiCarlo** is Symposium Manager and **Walter C. Levine** is Finance Committee Chairman.

In Memoriam

James G. Wilson, PhD.

1987 SOT Annual Meeting

February 23-27, 1987
Washington Hilton Hotel
Washington, D.C.

Registration materials have been mailed. If you have not received your packet, please contact the SOT headquarters, 1133 15th St., NW, Washington, DC 20005.

Chapter News

The **South Central Chapter** of the Society of Toxicology held a joint meeting with the Society of Environmental Toxicology and Chemistry in November at Northeast Louisiana University with **Dr. William Benson** of the University serving as host and coordinator. **Dr. K.S. Crump**, President of K.S. Crump and Company, Inc., presented the keynote address on "Principles of Quantitative Risk Assessment." Presenters of student papers winning \$100 and plaques were **David C. McMillan**, National Center for Toxicology Research and the University of Arkansas Medical Science, for "Toxicity of Propanil and Derivatives in the Salmonella Taphisurium, CHO/HGPRT and Hepatotoxicity Assays" and **Ricky A. Stackhouse**, Northeast Louisiana University, for "Influence of Dissolved Humic Material on the Toxicity and Bioavailability of Selected Trace Metals."

Chapter officers for 1986-87 are: **Charles H. Frith**, D.V.M., Ph.D., Toxicology Pathology Associates and the University of Arkansas for Medical Sciences, President; **Harihara M. Mehendale**, Ph.D., University of Mississippi, President Elect; **Wallace L. Guess**, Ph.D., University of Mississippi, Vice President; **William Slikker, Jr.**, Ph.D., National Center for Toxicological Research, Secretary/Treasurer; **Donald E. McMillan**, Ph.D., University of Arkansas for Medical Sciences, Past President/Councilor; and **William H. Benson**, Ph.D., Northeast Louisiana University, and **Janice E. Chambers**, Ph.D., Mississippi State University, Councilors.

The chapter will hold one meeting per year, in the fall. The 1987 meeting will be held at the University of Arkansas for Medical Sciences.

The **Mountain West Chapter** of the Society of Toxicology drew a record 107 participants at its annual meeting in October hosted by the Department of Pharmacology and Toxicology, the College of Pharmacy, University of Arizona. The scientific program was indicative of the broad range of toxicologic research in the region. The evening social program at Old Tucson was "a howling success" with great steaks and western entertainment.

The Executive Committee voted to hold its October 1987 meeting at the University of Colorado's School of Pharmacy in Boulder, which recently initiated a program in molecular pharmacology and toxicology. The Committee also selected liaison members from the 10 institutions from which the chapter members are drawn. The objective of this activity is to increase chapter membership and facilitate communication within the region.

Member News

Lawrence Fishbein, Ph.D., currently Associate Director for Scientific Coordination at the National Center for Toxicological Research (NCTR) in Jefferson, Ark., will join ENVIRON® Corporation as a Senior Science Advisor in February 1987.



MARK YOUR CALENDAR!

1987 SOT ANNUAL MEETING

February 24-27, 1987
Washington Hilton Hotel
Washington, D.C.

Deadline for next

issues: **January 30, 1987**
March 27, 1987

Society of Toxicology
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Washington, D.C. 20005
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President's Message

The SOT Council met on November 12 and 13 at the Washington Hilton Hotel, which will be the headquarters for our 1987 Annual Meeting on February 22-27. With over 1100 abstracts and a full schedule of symposia and platform sessions, this promises to be another outstanding meeting for SOT and you are urged to respond early to the meeting information that will be coming in the mail shortly. The Program Committee has planned some special events to take advantage of the Washington location but some of these will have limited capacity. We anticipate that the history of the first 25 years of our society, which was prepared by Harry W. Hays and his assistant Florence M. Carleton, as a part of our 1986 Silver Anniversary Celebration, will be ready for distribution. Council is also looking at sites to replace the Adams Mark Hotel in St. Louis for our 1990 annual meeting in anticipation of a continued growth pattern and the long range planning committee is looking at the possibility of convention center versus hotel-based sites for our annual meetings in the next decade.

Considerable time was spent by Council in the November meeting on membership issues. Questions regarding associate versus full membership decisions, procedures for responding to concerns of individual members about applicants and the need for additional information regarding student membership status were discussed. The Ethics Committee and our legal counsel have been requested to review our procedures for handling membership concerns about new applicants and to make recommendations to Council on this issue. The Education Committee has completed work on the Roster of Graduate Programs, which will be available from headquarters in the near future to college students interested in a career in toxicology and to college program advisors. The current and future prospects for the toxicology program at the annual Gordon Conferences was also discussed by Council. Council approved requests for retired status from Drs. R. Horton, E. Pierce, S. Krop and H. Peck, the slate of nominations for the offices and committees of our Society and the report of the SOT Awards Committee. Several animal welfare issues were referred to the Animals in Research Committee and letters from the US Dept. of Labor and Carol Weil were referred to the Technical Committee. From this brief review of current Council and committee activities, I hope it is clear that we are involved not only with the needs of SOT but also with toxicology as a discipline.

In this regard, I hope you will thoughtfully consider the letter from Dr. Bronstein and the response from our Ethics Committee which appear in Vol. VII, pp. 525-532. We may wish to consider whether SOT is a trade association or a scientific body in the issues session at our annual meeting. Another issue that our Society has been asked to consider is the linkage between toxicology and risk-assessment. Interest in this area is no longer confined to toxicologists, epidemiologists and a few bio-statisticians but seems to be growing explosively in all sorts of directions.

SOT Charter Members

Some Charter Members did not receive recognition of their Charter Member status in the 1986 Membership Directory. To set the record straight, a complete list of the Charter Members follows:

Adams, Edgar M., PhD	Fitzhugh, O. Garth, PhD	Leach, Leonard J.	Rosen, PhD, Harry
Back, Kenneth C., PhD	Frawley, John P., PhD	Leonard, Margaret I., PhD	Roudabush, Robert L., PhD
Bagdon, Robert E., PhD	Friess, Seymour L., PhD	Levinsakas, George J., PhD	Rowe, Verald K., DSc
Balazs, Tibor, DVM	Gabriel, Karl L., VMD, PhD	Light, Amos E.	Saunders, Jack P., PhD
Benitz, Karl-Fried, MD	Glassman, Jerome M. PhD	Linegar, Charles R., PhD	Scholler, Jean, PhD
Beyer, Jr., Karl H., MD, PhD	Goldberg, Leon	Loose, Leland D., PhD	Shaffer, C. Boyd, PhD
Boyd, Carl E., MD	Goldberg, Morton E., DSc	Lu, Frank C., MD	Sherman, Martin, PhD
Brody, Theodore M.	Hadidian, Zareh, PhD	MacDonald, William E., PhD	Smith, Frank A., PhD
Carpenter, Charles P., PhD	Haley, Thomas J., PhD	MacFarland, Harold N., PhD, FRC	Smyth, Jr., Henry F., PhD
Chenoweth, Maynard Burton, MD	Hallesy, Duane W., PhD	Matsumoto, Hiromu, PhD	Snyder, Fred H., PhD
Christensen, Herbert E., DSc	Harris, Phillip L., PhD	Mattis, Paul A., DSc	Sperling, Frederick, PhD
Clements, Gerald R., PhD	Hayes, Jr., Wayland J., PhD, MD	McCull, John D., PhD	Sterner, James H., MD
Coon, Julius M., MD, PhD	Hays, Harry W., PhD	McCullister, Donald D.	Stokinger, Herbert E., PhD
Cornish, Herbert H., PhD	Hazleton, Lloyd W., PhD	Munn, John I., PhD	Svirbely, Joseph I., PhD
Coulston, Frederick, PhD	Hennigar, Gordon Ross, MD	Murphy, Sheldon D., PhD	Taylor, Jean M., PhD
Davidow, Bernard, PhD	Hietbrink, Bernard E., PhD	Nair, III, John H.	Tusing, Thomas W., MD
Davis, Kent J., DVM	Hine, Charles H., MD, PhD	Newberne, James W., DVM	Vinson, Leonard J., PhD
Deichmann, William B., PhD, MD	Hodge, Harold C., PhD	Newell, Gordon, W., PhD	Ward, John W., PhD
Dominguez, Abel M., PhD	Irish, Don D., PhD	Oberst, Fred W., PhD	Wazeter, Francis X., PhD
Doull, John, PhD, MD	Jackson, Benjamin A., PhD	Oester, Yvo T., MD, PhD	Weaver, Lawrence C., PhD
Drill, Victor A., MD, PhD	Jones, L. Meyer, DVM, PhD	Opdyke, Donald L., PhD	Weeks, Maurice H.
Drobeck, Hans P., PhD	Kaye, Sidney, PhD	Oser, Bernard I., PhD	Weikel, Jr., John H., PhD
Durham, William, F., PhD	Kensler, Charles J., PhD	Packman, Elias W., ScD	Weil, Carrol S.
Eagle, Edward, PhD	Keplinger, Moreno L., PhD	Pallotta, Arthur J., PhD	Weisburger, John H., PhD, MD
Easterday, Otho D., PhD	Kerr, Kathel B., ScD	Palmer, Edward D., PhD	West, Bob, PhD
Elsa, John R., PhD	Kodama, Jiro K., PhD	Paynter, Orville E., PhD	White, Norman G., PhD
Fassett, David W., MD	Kraybill, Herman F., PhD	Peck, Harold M., MD	Woodard, Geoffrey, PhD
	Krop, Stephen, PhD	Plaa, Gabriel L., PhD	Worden, Alastair N., PhD, MD, DVM
	Laham, Souheil, PhD, CIH	Proctor, Charles D., PhD	Zapp, Jr., John A., PhD
	Lampe, Kenneth F., PhD	Radomski, Jack L., PhD	Zaratzian, Virginia I., PhD
	Larson, Paul S., PhD	Robinson, Virgil B., PhD, DVM	Zeitlin, Benjamin R.

Coming Events

Role of Biomarkers in Reproductive and Developmental Toxicology, January 12-13, 1987, Washington, D.C., sponsored by the National Academy of Sciences, Environmental Health Sciences. Contact NAS, Committee on Reproductive and Developmental Toxicology (JH 653), 2101 Constitution Avenue, N.W., Washington, DC 20418.

The California Experience in Underground Tanks, a symposium presented by the Center for Energy and Environmental Management and *Inside EPA Weekly Report*, February 24-25, 1987, at the Westin Bonaventure Hotel, Los Angeles. Contact Robin Gildersleeve or Brooks Cook, (703) 250-5900.

Inhalation Symposium on Inhalation Toxicology, March 23-27, 1987, Hanover, West Germany. Contact International Life Science Institute, Suite 111, 1126 16th Street, N.W., Washington, DC 20036.

British Toxicology Society's Spring Meeting, with the theme of "Non-Invasive Techniques in Toxicology," March 26-27, 1987, at Oxford University.

European Society for Animal Cell Technology and Israel Institute for Biological Research joint meeting April 6-10, 1987, in Israel. Contact Professor Avshalom Mizrahi, Secretary, P.O. Box 50006, Tel Aviv 61500, Israel, telephone (03) 65471.

European Congress of Biopharmaceutics and Pharmacokinetics, April 21-24, 1987, Freiburg, West Germany. Contact Congress Secretariat, Faculty of Pharmacy, B.P. 38, 28, place Henri Dunand, France -63001 Clermont-Ferrand, Cedex.

Third International Conference on Carcinogenic and Mutagenic N-Substituted Aryl Compounds, April 25-29, 1987, in Dearborn, MI. Contact Charles M. King, Ph.D., Michigan Cancer Foundation, Meyer L. Prentis Cancer Center, 110 East Warren Avenue, Detroit, MI 48201.

Association of Official Analytical Chemists 1987 Spring Training Workshop and Exposition, April 27-30, 1987, Ottawa, Ontario, Canada. Contact Graham MacEachern, Agriculture Canada, Laboratory Services Building 22, Central Experimental Farm, Ottawa, Ontario, Canada K1A-0C5, (613) 994-1991.

International Neurotoxicology Association: Extrapolation, Common Mechanisms, May 10-14, 1987, Lunteren, Netherlands. Contact Dr. J. Hooisma, Medical Biological Laboratory TWO, P.O. Box 45, 2280 AA Rijswijk, the Netherlands.

Animal Pain: Its Recognition, Alleviation, and Avoidance, June 4-5, 1987, Chicago, IL. Contact Lee Krulisch, Program Coordinator, Scientists Center for Animal Welfare, 4805 St. Elmo Avenue, Bethesda, MD 20814.

European Discussion Group of STP Hyperplasia and Neoplasia of Endocrine Organs, June 11-12, 1987, Carouge, Switzerland. Contact Dr. X. Foullet, Institute Batelle, 7, route de Drize, 1227 Carouge, Switzerland.

10th International Congress of Pharmacology, August 12-14, 1987, Sydney, Australia. Contact The Secretariat, G.P.O. Box 2609, Sydney, NSW, Australia.

Second International Symposium on Chelating Agents in Pharmacology, Toxicology, and Therapeutics, August 12-14, 1987, Pilsen, Czechoslovakia. Contact Professor V. Sybl, Department of Pharmacology, Faculty of Medicine, Charles University, Karlovarska 48, 301 66 Pilsen, Czechoslovakia.

28th Congress of the European Society of Toxicology, September 17-18, 1987, Strasbourg, France. Contact the Secretariat, Eurotox '87, Professor G. Dirheimer, Institute de Biologie Moleculaire and Cellulaire du C.W.R.S., 15, rue Descartes, 67084 Strasbourg Cedex, France.

Publications of Interest

Casarett & Doull's Toxicology: The Basic Science of Poisons, Third Edition, \$49.95 plus postage and handling. MacMillan Publishing Company, Attn: David Loiterstein, 866 Third Avenue, New York, NY 10022, (800) 257-5755.

Review and Analysis of International Biotechnology Regulations, \$100 plus \$3.00 postage and handling. National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4650.

Ultrastructural Pathology, Volume 10, Institutional Rate, \$269.50; individual rate \$115.00. Hemisphere Publishing Corporation, 1010 Vermont Avenue, N.W., Washington, DC 20005.

Quantitative Risk Assessment for Environmental and Occupational Health, \$35.95. Lewis Publishers, 121 South Maine Street, Chelsea, MI 48118, (313) 475-8519.

The Utility of Therapeutic Plasmapheresis for Neurological Disorders, a summary statement. U.S. Department of Health and Human Services, Public Health Services, Office of Medical Applications and Research, Building I, Room 216, Bethesda, MD 20892.

Toxicity Assessment, an international quarterly, \$100 annually. John Wiley & Sons, Subscription Department, 605 Third Avenue, New York, NY 10158-0012, (800) 526-5368, in New Jersey, (201) 342-6707.

Environmental Periodicals Bibliography, Volume 16—\$355; Volume 15—\$330; Volume 14—\$300; Volume 13—\$200; and Volume 12—\$100. Environmental Studies Institute, International Academy at Santa Barbara, 2060 Alameda Padre Serra, Suites 105-106, Santa Barbara, CA 93103.

Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Mammals, U.S. Department of the Interior, Fish and Wildlife Service, Office of Information Transfer, 1025 Pennock Place, Suite 212, Fort Collins, 80524.

The following publications are available from the U.S. Government Printing Office, Department SSMC, Washington, DC 20402. Payments by check or money order payable to the Superintendent of Documents or by VISA or MasterCard, furnishing expiration date.

A Citizens Guide to Radon—What It Is and What To Do About It, 005-000-0025804, Environmental Protection Agency and United States Centers for Disease Control, \$1.00.

School Science Laboratories: A Guide to Some Hazardous Substances, 052-011-00243-7, U.S. Consumer Product Safety Commission, \$2.25.

Toxicology Conference, October 509, 1987, Canton, China. Contact Kenneth A. Garceau, Medical Programs, Dwight D. Eisenhower Building, Spokane, WA 99202.

World Conference on Hazardous Waste, October 25-31, 1987, Budapest, Hungary. Contact International Association of Medicine and Biology of the Environment, 115, rue de la Pompe, 75115 Paris, France.

International Society for the Study of Xenobiotics and the Society of Toxicology North American Symposium on Endogenous Factors in the Toxicity of Xenobiotics, November 3-13, 1987, Clearwater, FL.

Congress of Toxicology in Developing Countries, November 16-21, 1987, Buenos Aires, Argentina. Contact Dr. Jose A. Castro, Centro de Investigaciones Toxicológicas, CITEFA—CONICET, Zufriategui 4380.1603 Villa Martelli, Pcia. de Buenos Aires, Argentina.

Watching Washington

Difficult Time Seen for Product Liability Reform in 100th Congress

Proponents of product liability reform face a difficult time in the 100th Congress with the Democrats regaining control of the Senate in the November election.

With Democrats controlling Committee assignments, Senator Ernest Hollings (D.-S.C.) will now chair the Senate Commerce, Science, and Transportation Committee; and the Senator was chiefly responsible for preventing the passage of reform legislation in the Senate this year.

Although a fiercely divided Committee passed a controversial bill and Senator Robert Dole (R.-Kan.), then Senate Majority leader, brought the bill up in the Senate, Senator Hollings threatened a filibuster. With a crowded calendar of legislation considered more important, Senator Dole withdrew the legislation.

Proponents had hoped for passage in the Senate, at least, in order to give reform measure some impetus early in the next Congress.

As it now stands, proponents see a need for a new educational campaign in both the House and the Senate before any significant movement can take place.

In addition, it is likely that any new legislation would have to make more concessions to consumers to get past Senator Hollings in the Committee on Commerce, Science, and Transportation.

TSCA Information Service No Longer Toll-Free

The Environmental Protection Agency's TSCA Assistance Office no longer will provide a toll-free information service.

Callers can still receive information from (202) 554-1404.

PHS Policy Laboratory Animals Published

The National Institutes of Health Office for Protection from Research Risks has published the *Public Health Service Policy on Humane Care and Use of Laboratory Animals*, which was revised in September 1986.

According to the summary, "All applications and proposals for award, which are either submitted to the PHS on or after November 1, 1986, or being conducted on or after July 1, 1987, must meet the requirements of the PHS policy as amended. Institutions which currently have an approved or provisionally-acceptable Animal Welfare Assurance on file with the OPRR must submit . . . by July 1, 1987, a document in the form of an appendix or amendment which states the changes that the institution has made to conform with the amended Public Health Service Policy."

Animals Rights Activists Petition Court for Rehearing

Animal rights activists have petitioned the Fourth Circuit Court of Appeals for a rehearing in the case of 15 non-human primates.

The petition questions the September ruling in which the court found that the appellants lacked standing to bring a lawsuit against the National Institutes of Health and the Institute for Behavioral Resources.

Florida Court Bans Use of Pound Animals for Research

A judge in Hillsborough County, Florida, has ruled that the practice of providing unclaimed animals in shelters to research facilities conflicts with the County's animal control ordinance.

European Society of Toxicology News

Dr. C.M. Hodel, Sterling Europe, is President of the European Society of Toxicology for the 1986-87 term.

Other officers include Professor R. Hess, CIBA-GEIGY AG, Vice President; Dr. R.A. Ettl, F. Hoffmann-La Roche & Company, Ltd., Secretary; Dr. H.W. Hornstra, ORGAMON INTERNATIONAL, B.V., Treasurer; Professor P.L. Chambers, Trinity College, Dublin, Editor.

Executive Committee members include Dr. A.J. Baars, Central Veterinary Institute; Professor G. Dirheimer, Institut de Biologie Moléculaire and Cellulaire du C.W.R.S., Strasbourg; Dr. R. Glomot, Centre International de Toxicologie; Professor P. Preziosi, Università Cattolica del S. Cuore, Rome; Dr. M.J. Tucker, ICI, Ltd., and Professor J. Tuomisto, National Public Health Institute.

Professor N. Greim, Institut für Toxikologie, Nuernberg, is the Liaison Officer with the Society of Toxicology.

Call for Papers

The 12th Symposium on Aquatic Toxicology and Hazard Assessment, April 24-26, 1988, in Las Vegas, sponsored by ASTM Committee E-47 on Biological Effects and Environmental Fate and its Subcommittee E47.01 on Aquatic Toxicology, has issued a call for papers with abstracts due by June 15, 1987.

For information and abstract forms, contact Theresa Smoot, ASTM, 1916 Race Street, Philadelphia, Pennsylvania 19103, (215) 299-5400.

Executive Office News

Caroline Rowe Cassedy was born November 7, 1986, to Joan Walsh Cassedy, Executive Secretary of the Society of Toxicology, and Brian Rowe Cassedy, President of the International Management Group. Congratulations to the Cassedys.