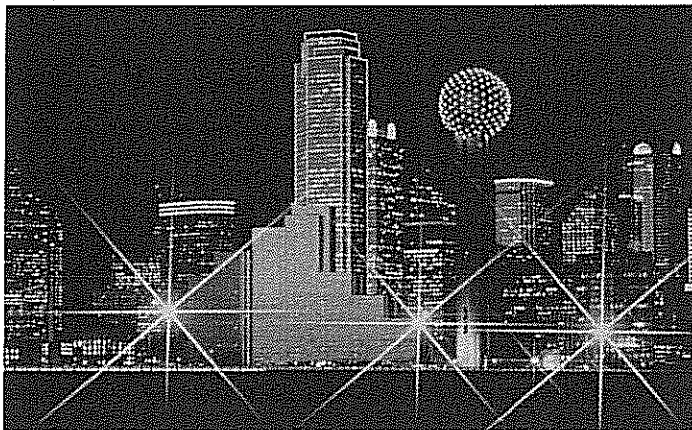


Society of Toxicology NEWSLETTER

JULY/AUGUST 1993



Mark your calendars now to attend the SOT 1994 Annual Meeting, March 13-17, 1994 in Dallas, Texas.

SOT 1994 Dallas Annual Meeting: Call for Abstracts

The Society of Toxicology encourages its members to share their efforts and activities with their fellow toxicologists at the 1994 Annual Meeting to be held in Dallas, Texas. For member convenience, abstract submission forms are enclosed with this newsletter.

Abstract submission will include: an original abstract form, two copies, and an abstract submission fee of \$30 per abstract. Abstract submitters are required to register and pay for the Annual Meeting. When more than one abstract is submitted in the same envelope, the number of abstracts should be clearly indicated on the lower right hand corner of the envelope. Abstracts containing errors will be returned and authors will be charged for any necessary retyping by Headquarters.

Deadline for submission: **October 1, 1993** to Program Committee, c/o Executive Secretary, Society of Toxicology, 1101 Fourteenth Street, NW, Suite 1100, Washington, DC 20005-5601. (202) 371-1393.●

Next SOT Membership Application Deadline

September 1, 1993

Burroughs Wellcome Award Applications Sought

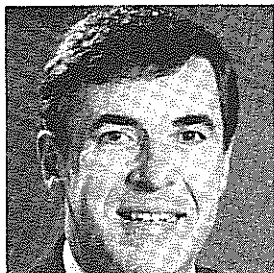
The Burroughs Wellcome Fund announces its program for the 1994 Toxicology Scholar Award. The goal of the revised program is to promote toxicology by providing an individual the opportunity for career development in toxicology. The scholar need not be associated with an established toxicology program, but rather may be conducting research in an area that will impact the discipline of toxicology.

The Toxicology Scholar Award is a five year award of \$350,000 payable at the rate of \$70,000 annually. Individuals holding a doctorate degree, and generally at a rank equivalent to associate professor, are encouraged to apply. Award selection is made with the guidance of a five-member advisory committee reporting to the Council of the Society of Toxicology and The Burroughs Wellcome Fund.

Applications may be obtained from The Burroughs Wellcome Fund, 3030 Cornwallis Road, Research Triangle Park, NC 27709. Telephone: (919) 248-4136. Applications are due at The Fund by **December 3, 1993.**●

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Society of Toxicology
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 (202) 371-1393
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Deadline for next issues:
 August 10, 1993
 October 10, 1993
 December 10, 1993

1994 Annual Meeting:
 March 13-17, 1994
 Dallas, Texas

President's Message

At the Annual Business Meeting, Dr. Emmerson presented the State of the Society. By all accounts, the Society is in great shape. It is a growing, dynamic organization. Membership increases by about 6% per year. The continued increase in attendance at the Annual Meeting reflects a strong interest in the Society, its science and its programs. What accounts for this vitality? Understanding reasons for success (as well as failure) are important in planning for the future. A number of factors explain the success of SOT.

1. SOT is in the right place at the right time.

We are fortunate that our founders foresaw the future for toxicology back in the 50s and early 60s. They positioned SOT to be at the right place 30 years later. Because of this, SOT has much to offer at a time when there is a real need for it.

We have exciting science — both basic and applied — and there is a real need for the new knowledge that we generate. We have the ability to interpret this knowledge with respect to understanding the molecular and cellular mechanisms of toxic events. Perhaps even more importantly, we have the ability to interpret this knowledge with respect to the protection of human health and the environment.

This intense interest in what SOT has to offer allows it to continue to grow and to evolve. Because SOT is a dynamic organization, it can now assume an even greater leadership role in the area of toxicology and environmental health sciences. An objective developed at the Long-Range Planning Retreat held by Council is to have SOT begin to speak more proactively on issues impacting the discipline of toxicology. Council will begin the process of identifying key issues on which we should develop position papers. Part of the process will be to obtain ideas from the membership with respect to these important issues. SOT will also reach out to other institutions and seek their advice on areas where it can have a positive impact.

2. The fact that toxicology is a multidisciplinary, integrating science ensures the well being of SOT.

New developments in other sciences are absolutely essential to the continued development of toxicology. These other disciplines provide for the infusion of new ideas and new methods into toxicology. One of the goals of the Long-Range Plan is to ensure that SOT can respond to emerging areas of toxicology and that it can incorporate these new developments into our programs.

How can Council work to ensure that this happens? SOT can expand its relationships and collaborations with other relevant organizations. Many of us belong to other societies that represent the important disciplines that impact toxicology. I encourage you to bring back to SOT new developments in these fields. Successful symposia from other meetings can be incorporated into our Annual Meeting. Similarly, SOT can co-sponsor symposia and workshops as part of the programs of other societies. To underscore Council's commitment to ensuring that emerging areas are integrated into the Annual Meeting, it will provide additional funds to facilitate the development of innovative timely symposia and workshops. Specialty Sections and Committees are encouraged to take advantage of this offer. New developments in other disciplines can also be featured in the Society's journals. They can appear as Contemporary Issues or as Review Articles. Having served as an editor, I can assure you that the current editors will welcome your suggestions.

3. Another reason for the vitality of SOT is the diverse background of the members and their willingness to serve.

Diversity is a term that has many meanings. For SOT, we can think of it in the following terms:

- a. Many of us were educated in other disciplines — biochemistry, pathology, pharmacology, immunology. We bring these diverse backgrounds to toxicology and to SOT.

b. SOT members represent academics, industry, government agencies, consulting firms and trainees. Although our job descriptions may differ, we are all linked by the need to know more about chemicals and how they affect biological systems.

c. Members of SOT represent 33 countries. We truly are an international organization.

d. And, there is an increasing participation of under-represented populations in SOT activities.

During the coming year, SOT will continue to take advantage of this diversity. We will build upon past successes. The very successful Educational Program for Minority Students will continue to be nurtured. The benefits of this program to toxicology and to SOT are readily apparent. We are meeting talented young people from a number of walks of life, many of whom will develop a real interest in toxicology. This is our future; we want to ensure its success.

SOT will certainly be more active in the international area during the next few years. SOT members from around the world will be involved in the planning process and in the final program of ICT-VII. SOT also welcomes its opportunity to interact on a continuing basis with EUROTOX. It is planned that the EUROTOX-SOT debate will become an annual event. Two areas of the world where SOT can assist in the development of toxicology programs are Mexico and China. China is in the process of establishing a national toxicology society (target date Fall 1993). An expanded interaction between toxicologists in Mexico and the US is most appropriate. We share a common border and a common concern for the protection of human health and environmental health. Toxicologists from both countries are eager to learn more about SOT and to interact with us in the future.

Although there are other reasons that account for SOT's success, the last one on which I should like to comment is the volunteer spirit of its members. Several hundred of you returned the yellow volunteer forms and expressed your willingness to serve SOT in a number of areas. This presented a real dilemma, since a president can only make 23 committee appointments. However, there are many other opportunities to get involved and to have a real impact. Specialty Sections and Regional Chapters need candidates to run for office and to serve on committees. The editors of TAP and FAAT are always looking for reviewers and for members of Editorial Boards. I encourage you to contact the appropriate officers and editors to volunteer your time and talents.

I hope my comments have conveyed my enthusiasm for our Society and the exciting field of toxicology. There are many opportunities and many challenges. Thanks to the superb leadership of Dr. Emmerson and his wisdom to convene a Long-Range Planning Session, SOT is positioned again to be in the right place at the right time. Council has an agenda for the year and beyond.

Sincerely,



I. Glenn Sipes, Ph.D.

Nominations Sought

Honorary Memberships

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

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

Please send nominations and accompanying documents to the Executive Secretary, SOT, 1101 Fourteenth Street, NW, Suite 1100, Washington, D.C. 20005-5601.

Officers and Elected Committees

The Nominating Committee asks your help in the preparation of the slate of nominees for the 1994 SOT elected officers and members of elected standing committees. The offices to be filled in 1994 include the Vice President-Elect, Treasurer-Elect, and two Councilors. Additionally, two members will be elected to the Membership Committee and Education Committee and four members to the Nominating Committee. The terms and duties of each position are described in the By-Laws. There are many SOT members with the ability and enthusiasm to willingly serve the Society in these important positions. Please send your recommendations to any member of the Nominating Committee: **Donald J. Reed**, Chairperson, **Harry Salem**, **Gary L. Lage**, **Jerry B. Hook**, **Linda S. Birnbaum**, or **Jack H. Dean** (liaison).

Act now! Your suggestions must be received by **October 1, 1993**.

Awards

In recognition of distinguished toxicologists, the Society of Toxicology presents several awards each year. A complete description of each award is given in the annual Membership Directory. Note: The Public Communications Award will be presented for the first time in 1994 (see page 9 for details).

Each nomination must be submitted by a sponsor and a seconder who are members of SOT. The quality of supporting documentation is critical in the review of the nomination of each candidate. Please send all nominations and supporting documentation to the Awards Committee chairperson, **Dr. John L. Emmerson**, SOT Headquarters. Deadline for receipt of nominations for 1994 Awards is **October 1, 1993**. ●

Poster Session for Visiting Students at Dallas Meeting

The *ad hoc* Tox 90s Educational Issues Task Force would like to remind SOT members of the Poster Session being organized for visiting students at the 1994 Annual Meeting in Dallas. In conjunction with the SOT Education Committee's Toxicology Workshop for minority students, a poster session of 40-50 posters, preferably from minority scientists and individuals who would like to interact with these students, is being organized for a morning session. This session is in addition to the normal presentation of the posters in a scientific session.

The primary purpose of this special poster session is to offer a specific opportunity for the minority students participating in the Education Committee's Workshop to attend a specific scientific session, as well as interact with other scientists. We are seeking minority and other scientists who would be willing to display their poster for this special poster session. Established scientists, postdoctorates and graduate students interested in participating in this poster session should contact Dr. Claude McGowan, (908) 298-4562, as early as possible.

In addition, the Education Committee is seeking "mentors" to make the minority students feel welcome, as well as accompany the students to special sessions and functions. About 10-15 volunteers, each with responsibility for two to four students and minority advisors, are required. Please call Trish Strong at SOT Headquarters, (202) 371-1393, if you are willing to help.

All SOT members are welcome to participate in this session, either as poster presenters or as mentors.●

SOT Annual Meeting Publications Win Marketing Award

Two Society of Toxicology publications, the 1993 Annual Meeting brochure and the Preliminary Program, recently received the prestigious MAXI Award from the Direct Marketing Association of Washington. The two direct mail pieces, designed by the International Management Group, SOT's management company, were judged by a panel of direct marketing experts from around the country to be outstanding in the category of "Best Convention Promotion." The DMAW Awards are fiercely competitive — there were several hundred entries. In addition to IMG, Time-Life Corporation, the National Geographic Society, Amtrak, MCI and the American Red Cross received awards in other categories.

Congratulations to Terry Banks, IMG's Editorial Department Manager and SOT Executive Secretary and Deputy Executive Secretary, Joan Walsh Cassidy and Shawn Douglas Lopez!●

Freak Weather Fails To Daunt Job Seekers and Employers in New Orleans

By all accounts, the placement services provided at the 1993 annual meeting were highly successful. The number of candidates increased 20% over 1992 to a record 333, while the number of employers increased 6% to 204, close to its historic peak. In 1993, the placement committee raised the incentive to pre-register for the annual meeting, hoping to make on-site services more efficient and responsive. The incentives had a marked impact. Candidate pre-registrations increased from 40% to 72% and employer pre-registrations went from 50% to 63%. The annual Placement Seminar on Sunday evening was attended by 250-300 people. Although attendance was similar to past years, the bad weather in the East resulted in two speaker cancellations. The Placement Committee is extremely grateful to N. Gary Howell of Procter & Gamble and Jeanee Yermakoff of Amoco for filling in on very short notice; their extemporaneous presentations on how to obtain a toxicology position in industry and how to determine if industry is the right employer for you were truly noteworthy. Finally, the Placement Committee will be working with SOT headquarters to mail surveys to all 1993 candidates and employers. The surveys, developed by Michael Aschner, are designed to measure placement service effectiveness.●

Animals in Research Literature

The SOT Animals in Research Committee has assembled a compilation of literature concerning the use of animals in research. If you are interested in receiving this information, please contact Dawn Caruso at SOT Headquarters, 202/371-1393; Fax: 202/371-1090.●

Member News

Elaine C. Grose, Ph.D., has resigned from the U.S. Environmental Protection Agency to join the Sisters of the Good Shepherd. Dr. Grose, previously the Associate Laboratory Director for Toxics and Pesticides, Health Effects Research Laboratory, will become a candidate with the Good Shepherds on September 8, 1993. Dr. Grose will undergo 3 years of training prior to starting a ministry. The Sisters of the Good Shepherd is a Roman Catholic international congregation of religious women who work primarily with disenfranchised women and children.●

Chapter News

North Carolina Chapter

On April 22 a group of students and teachers from three high schools in the Research Triangle area participated in a program on "What is Toxicology?" sponsored by the North Carolina Chapter of the Society of Toxicology. The objective of the program was to expose high school science students to toxicology as a potential career choice. Chapter Councilors, **Dr. Thomas Goldsworthy** and **Dr. Michele Medinsky**, from the Chemical Industry Institute of Toxicology (CIIT) and Ms. Katherine Reagan, a graduate student at Duke University, organized the program which was held at CIIT. **Dr. Mary Beth St. Clair**, an Assistant Professor at North Carolina State University, open the program with a talk on "What is Toxicology?" Dr. Jeffrey Everitt of CIIT discussed the role of animals in toxicological research. The students and teachers next broke up into smaller groups to participate in five demonstrations of toxicology research.

CIIT postdoctoral fellows, **Drs. Peter Sausen**, August Wilke, and Ketti Terry, and CIIT staff, **Drs. Susan Borghoff** and **Dave Dorman**, led the individual groups on a tour of the research facilities. Research demonstrations by CIIT staff included "Air Flow Modeling," by Dr. Julia Kimbell; "Nasal Function," by Elizabeth Gross; "Electron Microscopy," by Joe Martin; "Tissue Culture," by Susan Maness and Melanie Struve; and "Flow Cytometry," by Dr. Georgia Farris and Ms. Rekha Shah. The students and teachers reconvened for refreshments and a presentation on "Careers in Toxicology," by **Dr. Andrew Canada**, an Assistant Professor at Duke University and the current Secretary-Treasurer of the North Carolina Chapter of SOT. All participants were pleased with this inaugural effort and plan to repeat the program later in the year as part of a continuing effort to introduce high school students to the discipline of toxicology.

Michigan Chapter

A joint meeting of the Michigan Chapter of the Society of Toxicology and the Central Great Lakes Chapter of the Society of Environmental Toxicology and Chemistry was held on May 14, 1993 at Michigan State University. The planning committee consisted of officers of the two chapters and all arrangements were made jointly, although each chapter informed its own membership about the meeting. The program was designed to cover a wide range of topics and encourage interaction between members of both societies. The overall theme of the meeting was PCBs in the Great Lakes. The morning program started with overviews of the two societies and went on to talks by four invited speakers. The first topic, Environmental Distribution and Fate in the Great Lakes, was discussed by Dr. Deborah Swackhamer (University of Minnesota); the second, Environmental Toxicology of the Great Lakes Contaminants, was presented by Dr. John Geisy (Michigan State University) and Dr. Lisa Williams (U.S. Fish and Wildlife Service); the third presentation, Biomedical

Toxicology of the Great Lakes Contaminants, was made by Dr. Michael DeVito (University of North Carolina-Chapel Hill). After a joint luncheon, an open poster session was held that covered a wide range of topics including effects of pesticides and heavy metals on living systems, photodegradation of chlorinated biphenyls, containment levels in Great Lakes fish, and mechanistic studies. Michael Hare (Michigan Studies University) won the award for the best poster, entitled "Methylmercury (Me-Hg) - Induced Increases in Ca²⁺ Influx in NG108-15 Cells are Mediated in Part by Entry Through a Nifedipine-Sensitive Path." His co-authors were Jennifer M. Payne and **Dr. William D. Atchison**. The interactions during the meeting were lively and the participants from the two societies learned a great deal about the current status of knowledge in areas related to, but outside of their own expertise. The responses of the participants to the meeting were very positive and encouraging to other chapters that might be thinking about similar efforts. ●

ICT-VII News

The VII International Congress of Toxicology (ICT-VII) will be hosted by the Society of Toxicology (USA). SOT Council has appointed the following officers to organize ICT-VII: **Curtis Klaassen**, President; **Roger McClellan**, Treasurer and Finance Committee Chair; **James Woods**, Secretary; **Donald Reed**, Scientific Program Chair; and **David Eaton**, Local Arrangements Chair.



The theme of ICT-VII is "Horizons in Toxicology: Preparing for the 21st Century." The Scientific Program Committee is actively working on the program. **Donald Reed**, Chair, is aided by SOT members **James Bus**, **William Greenlee**, **Rogene Henderson**, **Ernest Hodgson**, **James Klaunig**, and **Robert Roth**. International scientists on the Scientific Program Committee consist of **Chantal Bismuth**, France; **Erik Dybing**, Norway; **Helmut Greim**, Germany; **Tetsuya Kamataki**, Japan; **Gabriel Plaa**, Canada; **Vijayalokshmi Rovindranth**, India; **Kai Savolainen**, Finland; and **Lewis Smith**, United Kingdom. Please contact **Dr. Donald J. Reed**, Chairperson ICT-VII Program Committee, C/O Biochemistry and Biophysics Department, Oregon State University, Corvallis, OR 97331, FAX: (503) 737-0482, or any member of the Scientific Program Committee in regard to suggestions for the Scientific Program.

In addition to the Scientific Program, a very interesting social program is being developed to take advantage of Seattle and surrounding Northwest in the summer.

Every effort is being made to keep the registration price low, as well as housing, etc. Please mark your calendars and make plans to attend the VII International Congress of Toxicology in Seattle, July 2-6, 1995. ●

DALLAS



DALLAS DAYS Where the Cowboys Roam

by Lori Fix, Frito-Lay, Inc.

Texas derives its name from the Spanish word "Tejas," which means friendly. Friendliness is as integral a part of the Texas life-style as are cowboys. Y'all can spot a real cowboy by his cowboy hat and boots, and the way he greets everyone with a big back-slapping "Howdy." If you come a little closer, you can spot the gold belt-buckle he won riding bulls. It may be attached to the white-laced leather belt with his name tooled on the back. He might even have a pair of longhorned bull horns mounted on the front of his truck. From his truck, he can sight the official roadkill animal of Texas, the armadillo. When in Rome.... you can get duded-up with suitable western attire at Shepler's, Cooper's, J Bar W in the Galleria, or Wild Bill's in the West End Western Wear Stores. Or find a completely unique pair of buffalo hide cowboy boots among the 20,000 pairs at Just Justins.

The serious-minded cowboy would then mosey on over to the Mesquite Rodeo to enter a bronco riding or calf roping event. The weekend cowboy might find some more fun at the Old Fort Dallas or Silverado Dude Ranches with their authentic 1880s western towns complete with general store and gunfighters; or ride horses at the dude ranches, or go for an overnight trail ride with the Fossil Rim Wildlife Center's Overlook Stables in Glen Rose, Texas. Horse shows are a common event at the State Fair of Texas Arena. Modern day cowboys herd their cattle into the working Fort Worth Stockyards for auctioning. Two Stockyard Parks are nearby for the cattleman's amusement. The Texas cowboy might spend his Sunday afternoon throwing horseshoes at the Carrollton Clinkers, or shoot a few rounds at Ben's Indoor Pistol Range. The "Iron Man" cowboy might be seen in Triathlon training at the Wheels-in-Motion Store. The modern cowboy might find a "Top Gun" jet fighter airfight more to his liking at the Air Combat School, or a survival game shoot-'em-up at Adventure Expeditions or Games Plus.

Cowboys of any nature can savor the mesquite-roasted barbecue at Dicky's, Sonny Bryan's, or Coulter's Barbecue restaurants. They can run for the border to some mighty fine Tex-Mex eating at the Blue Goose, Tia's, Uncle Julio's, Papisito's, or Zu-Zu's — down home cooking can be found at the Black Eyed-Pea, Good Eats, and the Gennie Bishop Grill. You can rope yourself in some Southwestern fare at the Blue Mesa Grill, Loma Luna Cafe, Baby Routh's, or Sam's Cafe, or visit one of Dallas' many honky tonks for a little nightlife, billiards, and country-western dancing the "Two-step." Real cowboys can be sighted with a long-necked Lone Star beer in their hands at the Crystal Chandelier, Cowboys, Stampede, or Borrowed Money honky tonks. Those with a fair bit of bravado (or is it foolishness?) are invited to ride the mechanical bull at the spectacular Billy Bob's Texas.

Mosey on down to the 1994 Dallas SOT Annual Meeting and roam among the cowpokes under the star-studded sky in the heart of Texas. ●

Long-Range Planning Meeting

by John L. Emmerson, Past President

As the Society has grown, day-to-day SOT business issues have crowded the agendas of our Council's meetings, leaving no time for long-range or strategic planning. So, on February 24 and 25, 1993, SOT Council packed their bags and headed for Coronado, California for a meeting dedicated solely to review and strategic planning.

The meeting included six individuals in the Presidential chain, the Past-Past President, **Curt Klaassen**, the newly elected Vice President-Elect, **Jack Dean**, as well as **Donald Reed**, **John Emmerson**, **Glenn Sipes** and **Meryl Karol**, and members of Council including our Executive Secretary, **Joan Walsh Cassidy**. A professional facilitator, **Harrison Coerver**, was hired to lead this meeting. Mr. Coerver specializes in planning meetings of this type for professional societies.

Council began with an attempt to define what SOT is, who SOT serves, and what services SOT offers—basically a profile of the society. The current internal functioning of SOT was reviewed and analyzed. The financial, organization, etc. were reviewed, as was who was responsible for setting policy, appointing committees, etc.

The fundamental result of this introspection was that Council considers SOT to be the preeminent society for toxicologists with a heavy responsibility for leading, for shaping philosophically the approach to our science, for providing future direction, and for policies that will guide education and training.

An action plan was assembled, keeping in mind that plans are always based on assumptions about the future. Some objectives determined were:

- Establish a mechanism(s) to allow SOT to speak proactively on issues impacting the discipline of toxicology,
- Ensure that SOT responds effectively to emerging areas and interests in toxicology,
- Develop a long-range financial plan to assure SOT's financial stability to include diversification of income sources, and
- Ensure the continued success of the Annual Meeting.

These were just a few of the objectives discussed. Over the coming months and years Council will be working toward implementation of the action plan and will continue to keep the SOT members apprised of its continued progress. ●

Procter & Gamble Alternatives Grant Program

The Procter & Gamble Company invites the submission of research proposals directed toward development and validation of new methods for efficacy and safety testing of drugs and consumer products. This program, entitled the "International Program for Animal Alternatives," focuses on key aspects of new alternative methods that eliminate or reduce the use of animals, or that are less stressful to animals. These alternative test methods may include the use of cell, tissue, or organ cultures and other *in vitro* test systems, as well as refined animal tests such as non-invasive assessment methods. Three grants will be awarded in 1994. Funding will be up to \$50,000 annually for three years. Proposals are accepted from any academic or non-profit medical institution without geographical limitation. Areas of particular interest to the sponsor are:

Efficacy Testing:

- Inflammation/Arthritis
- Diseases of the Oral Cavity
- Nutritional and Gastrointestinal Disorders
- Cardiovascular Disorders
- Bone Disorders
- Skin Disorders
- Respiratory Diseases
- Rational Drug Design
- Structure-Activity Relationships

Safety Testing:

- Ocular Irritation
- Acute Oral Toxicity
- Skin Irritation
- Contact Sensitization
- Developmental Toxicity
- Respiratory Toxicity
- Neurotoxicity
- Computer Modeling of Toxicologic Processes
- Structure-Activity Relationships

Requests for proposal application forms or questions regarding application procedures may be directed to International Program for Animal Alternatives. Contact: **Brandon H. Weirs**, The Procter & Gamble Company, Miami Valley Laboratories, P.O. Box 398707, Cincinnati, OH 45239-8707. Fax: 513/627-1153. Deadline is September 1, 1993. Recipients will be announced January 1, 1994. ●

Awards

Zeneca Traveling Lectureships

The Zeneca (formerly ICI) Traveling Lectureships are presented by the Society of Toxicology in recognition of excellence in research and service in toxicology. ICI provides two \$6,000 awards annually to promote greater collaboration between European and North American toxicologists. These awards are intended to enable North American toxicologists to undertake a three-to-four-week lecture tour of Europe, familiarize themselves with research and regulatory issues in Europe, as well as to bring a North American perspective to European regulatory issues.

Candidates for these awards should be established, mid-career North American scientists who are members of the Society of Toxicology and who demonstrate the ability to develop collaborative relationships with European colleagues.

Applications should be made to the SOT Awards Committee and must include a statement of the applicant's experience and area of expertise. A proposed itinerary and its underlying rationale should be provided, along with an indication of the benefits that the lectureship will confer on the applicant. The itinerary must include a visit and lecture at Zeneca's Alderley Park Facility in Cheshire, England. The application should not exceed 1,500 words.

The following format is suggested for the application:

1. Name and affiliation
2. Statement of experience and expertise
3. Proposed lecture itinerary
4. Rationale for itinerary
5. Statement of benefits to the applicant
6. Curriculum vitae

The Society of Toxicology Awards Committee, chaired by **Dr. John L. Emmerson**, will select recipients for the Zeneca Traveling Lectureships. The awardees will be named at the SOT 1994 Annual Meeting. Applications for the Awards must be received at SOT Headquarters by **October 1, 1993**. ●

Publications of Interest

Kidney, Proteins and Drugs: An Update, Claudio Bianchi, Velio Bocci, Frank A. Carone, Ralph Rabkin, S. Karger AG, Basel, Allschwilerstrasse 10, P.O. Box Postfach, CH-4009 Basel, Switzerland.

SAR and QSAR in Environmental Research, James Devillers, Gordon and Breach Science Publishers Ltd., P.O. Box 90, Reading, Berkshire RG 18JL, England, 0734/560080.

Veterans at Risk, National Academy Press, 2101 Constitution Avenue, NW, Washington, DC 20418, 202/334-2793. ●

Colgate-Palmolive Postdoctoral Award

The Colgate-Palmolive Company sponsors this Post-Doctoral Fellowship Award through the Society of Toxicology, directed specifically toward the study of *in vitro* toxicology, including dermal, ocular, mutagenesis, molecular biology, cell culture, or metabolism. Any post-doctoral trainees in their first year of study beyond the Ph.D., M.D., or D.V.M. degree who are employed by academic institutions, federal/national laboratories, or research institutes worldwide may apply. The postdoctoral advisor must, however, be a member of SOT. This 2-year \$67,000 award includes an annual stipend of \$22,000, and additional funds that may be used for supplies, equipment, or research-related travel. The application deadline is **October 1, 1993**. The award will be presented at the SOT Annual Meeting in Dallas, with funding to begin at that time or anytime prior to September 1, 1994. Application materials can be obtained from the Education Committee, Society of Toxicology, 1101 Fourteenth Street, NW, Suite 1100, Washington, DC 20005-5601. ●

Graduate Student Fellowship Awards

The Society of Toxicology, through the Education Committee, announces the availability of Graduate Student Fellowship Awards in Toxicology. The Awards are sponsored by CIBA-GEIGY, Hoffmann-La Roche, and Procter & Gamble. Fellowship Awards are for one year and are administered by the academic department of the awardees.

Any graduate student with at least two years of graduate study toward a Ph.D. degree in the area of toxicology and whose major professor is a member of the Society of Toxicology may apply. Further details are available from SOT Headquarters. Evaluation by the Education Committee is based primarily on:

- Originality of the dissertation research
- Research productivity
- Relevance to toxicology
- Scholastic achievement
- Letters of recommendation

Applications are due by **October 1, 1993**. Finalists will be invited to attend the Society of Toxicology 1994 Annual Meeting for an interview. The winners of these awards will be announced at the Annual Meeting. These are prestigious awards of \$12,000 each and the applications are easy to complete. Don't miss this chance for fame and glory!

Applications are available from the Education Committee, Society of Toxicology, 1101 Fourteenth Street, NW, Suite 1100, Washington, DC 20005-5601. ●

SOT Student Travel Awards

The Society of Toxicology's Student Travel Award Funds, administered by the Education Committee help defray travel expenses for students attending the 1994 SOT Annual Meeting.

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

- The graduate student must be an SOT student member (or applicant for student membership).
- The graduate student must be presenting a paper or poster at the Annual Meeting.
- A fully-completed application must be submitted, with a copy of the abstract being presented, to SOT Headquarters prior to **October 1, 1993**.

Applications will be mailed to all SOT student members in August. See Hazleton Alumni Travel Award article on page 10.●

Specialty Sections Awards

Reproductive and Developmental

The Reproductive and Developmental Toxicology Specialty Section announces its intention to make awards of recognition for the best platform and/or poster presentation by graduate students or postdoctoral fellows in the areas of reproductive and developmental toxicology at the 1994 Annual Meeting of the Society of Toxicology, which will be held in Dallas, Texas from March 13-17, 1994. General areas of research can include female or male reproductive toxicology, reproductive endocrine toxicology, teratology/developmental toxicology and/or postnatal functional assessment. Candidates for these awards should send a copy of the abstract that is being submitted to the address listed below, by **November 1, 1993**, a copy of the poster material should also be included if possible, to assist the judges.

The abstracts and posters should describe original research which may include applied studies, investigations of mechanisms of toxic response, or studies of basic biochemical, physiologic, or genetic mechanisms of action. Interested individuals may request Society information and abstract forms from the address below. All submitted material will be treated as confidential. The winning presentations will be announced at the Annual Meeting of the Specialty Section in Dallas. For more information contact: **Robert E. Chapin, Ph.D.**, National Toxicology Program, Mail Drop A2-02, NIEHS, P.O. Box 12233, Research Triangle Park, NC 27709. Telephone: 919/541-3473, Fax: 919/541-2260.

Mechanisms

The Mechanisms Specialty Section of the Society of Toxicology is proud to announce the 12th Annual Graduate Student Awards for Meritorious Research in Mechanisms of Toxicology. The awards will be presented at the 33rd Annual Meeting of the Society of Toxicology in Dallas, Texas; March 13-17, 1994.

For consideration as a candidate for the awards:

1. An abstract must have been submitted to the 1994 Annual SOT Meeting with the graduate student as the presenting author.
2. A copy of the abstract and a statement that it is to be considered for this award must be sent to **Carl C. Smith, Ph.D.**, 2707 Eden Avenue, Cincinnati, OH 45219, by **October 22, 1993**. Two letters recommending the graduate student and the research project must accompany the abstract. One of the recommendations must be from the department or section head. The letter must verify that work reported in the abstract was done while the student was in the department and that this is the only specialty section to which this abstract is being submitted for an award.
3. Up to three abstracts may be submitted by a department or program. The department or program must decide which graduate students best represent them.
4. The graduate student may be sponsored for this award by any person who is in the general membership of the Society of Toxicology.

As many as twelve finalists will be selected by November 19, 1993, and asked to submit a full-length manuscript on the research outlined in their abstract. Instructions on preparing and submitting manuscripts will be provided. The deadline for submissions of the full-length manuscript will be January 21, 1994. First, second, and third place winners will receive plaques and awards of \$500, \$300, and \$100, respectively. Remaining finalists will receive honorable mention (framed certificate).

Any questions concerning these awards should be directed to **Carl C. Smith, Ph.D.** at 513/751-3315, Fax: 513/558-4397; or **James P. Kehrer, Ph.D.**, 512/471-1107, Fax: 512/471-5002.●

New SOT Award

SOT Public Communications Award

OVERVIEW

Accurate science communications are essential for the general public to make informed decisions. Matters involving toxicologic issues are often controversial and have both scientific and political aspects to them. Consequently, it is important that the general public be provided with clear and balanced information on toxicologic issues through media communications. To encourage this objective, SOT has established an annual award for recognizing effectiveness in public communications in matters relevant to toxicology.

PURPOSE OF THIS AWARD

To recognize an individual who has made a major contribution to broadening the awareness of the general public on toxicological issues through any aspect of public communications, the SOT Public Communications Award has been created.

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Hazleton Alumni Association

During the 1992 SOT meeting, several former associates of Hazleton Laboratories were having coffee together and catching up on what other former co-workers are doing. We decided it would be fun to identify as many former Hazleton toxicologists as possible and to meet for a breakfast during the next SOT convention. After a couple of rounds of letters, over 100 such people were identified. Twenty-two responded to the invitation to meet in New Orleans, where we decided to identify ourselves as the Hazleton Alumni Association. It was impressive to note how many significant contributors in the field of Toxicology have been partially molded by the contract toxicology laboratory started by Dr. Lloyd Hazleton in the 1940s.

The breakfast group decided to do something more significant than meet once a year for food and fellowship by sponsoring a Hazleton Alumni Association Graduate Student Travel Award. Towards this goal, permission was enthusiastically given by Dr. Roy Dagnall, Senior Vice President and General Manager of Hazleton, Washington, to use the name "Hazleton" in this award, plus the promise to match our fund raising efforts up to \$500. The Society of Toxicology Council was also enthusiastic at the prospect of a new educational opportunity for promising students.

The application process is identical to that of other graduate student travel awards (see page 9). The Society's Education Committee will select the travel recipient, who will be an upper-level graduate student presenting a paper at the upcoming meeting. This person will, of course, be invited to join the Hazleton Alumni breakfast during the SOT meeting.

This announcement of the formal creation of the Hazleton Alumni Association Graduate Student Travel Award carries with it two challenges. First, to Hazleton Alumni: please send a donation of \$10 or more made payable to the SOT (Tax ID #52-60570) to Richard Hiles, 21930 Whitehall Court, Antioch, IL 60002. Secondly, to other alumni groups: if your group would be interested in providing a similar award, contact Shawn Lopez at the SOT office. Each award requires approximately \$1,000, and contributions are needed before December so that the number of awards can be determined and funds distributed. ●

Upcoming Conferences

Chemical Mechanisms in Toxicology Course, August 2-4, 1993, Washington, DC. Contact: Ms. Pamela McAnnally, American Chemical Society, Continuing Education Division, 1155 Sixteenth Street, NW, Washington, DC 20036. Telephone: 202/872-4507.

Immunological Issues in the Safety Evaluations of Protein Therapeutics, August 23-24, 1993, Ithaca, NY. Contact: Rodney Diedert, Ph.D., 216 Rice Hall, Cornell University, Ithaca, NY 14853. Telephone: 607/255-8008.

Chlorinated Organic Chemicals - The Environment and Human Health - Past, Present and Future, September 8-10, 1993, The Washington Hilton and Towers, Washington DC. Contact: The Toxicology Forum, Suite 800, 1575 Eye Street, NW, Washington, DC 20005. Telephone: 202/659-0030.

Introduction to Industrial Toxicological Pathology, September 13-17, 1993, Champaign, IL. Contact: Dr. Wanda M. Haschek-Hock, Department of Veterinary Pathobiology, University of Illinois, 2001 South Lincoln Avenue, Urbana, IL 61801. Telephone: 217/333-4755, Fax: 217/333-4628.

Nasal Toxicity and Dosimetry of Inhaled Xenobiotics: Implications for Human Health, September 20-22, 1993, Washington Duke Inn and Golf Course, Durham, North Carolina. Contact: Dr. Fred J. Miller, Chemical Industry Institute of Toxicology, P.O. Box 12137, 6 Davis Drive, Research Triangle Park, NC. Telephone: 919/541-2070, Fax: 919/541-9015.

Quality Assurance: Bridging Science and Compliance, October 4-7, 1993, The Hyatt Embarcadero, San Francisco, CA. Contact: Society for Quality Assurance, 5520 Cherokee Avenue, Suite 200, Alexandria, Virginia 22312-2319. Telephone: 703/914-0835, Fax: 703/658-8887.

Toxicology in Drug R&D: Scientific, Regulatory and Project Strategies, October 14-15, 1993, Glenister Lecture Theatre, London, England. Contact: IBC Technical Services, Ltd., Gilmoora House, 57-61 Mortimer Street, London W1N 7TD. Telephone: 071/637-4383, Fax: 071/631-3214.

International Society for the Study of Xenobiotics, 5th North American Meeting, October 17-21, 1993, Hosted by Center for Toxicology, University of Arizona, Sheraton El Conquistador Resort Hotel, Tucson, AZ. Contact: Bert Sanchez, Telephone: 602/626-2433.

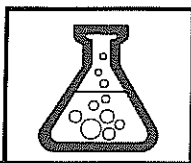
Biological Mechanisms in Quantitative Risk Assessment, November 1-4, 1993, Research Triangle, NC. Contact: E. Colleen Rose, Project Director, Research and Evaluation Associates, Inc., 100 Europa Drive, Suite 590, Chapel Hill, NC 27514-2355, Telephone: 919/968-4961, Fax: 919/967-4098.

Methodologies for Drug Testing, December 2-3, 1993, Holiday Inn Crowne Plaza, Montreal, Canada. Contact: Gordon Krip, Ph.D., Executive Director, Society of Toxicology of Canada, CP/PO Box 517, Beaconsfield, Quebec, H9W 5V1, Canada.

Society of Toxicology 1994 Annual Meeting, March 13-17, 1994, Loews Anatole Hotel, Dallas, TX. Contact: Dawn Caruso, Society of Toxicology, 1101 14th Street, Suite 1100, Washington, DC 20005-5601. Telephone: 202/371-1393, Fax: 202/371-1090.

ICT VII, July 2-5, 1995, Seattle, WA. Contact: Jada Hill, The Sterling Group, Corporate Woods Building #51, 9393 West 110th Street, Suite 253, Overland Park, KS 66210. Telephone: 913/345-2228. ●

Placement Services



ASSISTANT PROFESSOR OF TOXICOLOGY

The Department of Food Science and Toxicology at the University of Idaho invites applications for an Assistant Professor of Toxicology. This is a tenure track, fiscal year appointment of 60% research and 40% extension. Applicants must have a PhD in toxicology or closely related science, working knowledge of risk assessment methods and basic concepts/principles of toxicology, research experience relating to the health effects of food or environmental contaminants, and demonstrated potential to obtain extramural research funding. Extension duties include communicating human health effects of exposure to chemicals, developing a computerized toxicological data base on health effects of chemicals of regional interest, and developing risk assessment/communication materials regarding chemicals in the food chain. Research duties include developing an externally funded program in environmental or food toxicology with emphasis on synthetic or natural pesticides. The deadline for applications is August 17, 1993, or until a suitable applicant is found. Applicants should send a resume and a cover letter summarizing expertise related to position duties to Dr. Jerry Exon, Head, Department of Food Science and Toxicology, University of Idaho, Moscow, ID 83844-2201, (208) 885-7081. Also, three letters of reference should be sent separately by reviewers to this address prior to closing date. Women and minorities are encouraged to apply. The University of Idaho is an equal opportunity/affirmative action employer and education institution.

OCCUPATIONAL HEALTH TOXICOLOGIST

This position, within our Occupational Health Services Department of the Human Resources Division, will evaluate Glaxo research and development compounds from an occupational toxicology prospective. Duties will include creating and revising health hazard data sections for Glaxo Material Safety Data Sheets, and providing consultation to Occupational Health Services staff and senior management on occupational toxicology issues. Background must include a PhD with a minimum of 1 year related experience. Pharmaceutical or chemical industry experience strongly preferred. This position requires excellent interpersonal communication and technical writing skills, and the ability to translate complex concepts for a lay audience. At Glaxo, pride in our people is reflected in an excellent salary and a flexible benefits package, as well as in such amenities as an on-site

fitness center and a work setting in which you will take pride. For confidential consideration, send your resume, which must include position title and salary history, to: Human Resources Department, Job# ADH481702, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.

REGULATORY TOXICOLOGIST

Growth oriented Gulf Coast specialty chemical manufacturer is searching for a highly motivated individual to manage a proactive toxicology program to determine the health and environmental affects of our products, by-products and waste materials. The position will report directly to the V.P., Environmental Affairs. The ideal candidate will have a BS in Chemistry along with a PhD in Toxicology or a closely related field, and sufficient industrial experience to function independently.

Primary duties will include evaluation and recommendation of company policy; selecting contract laboratories; placement and evaluation of ongoing studies; preparation of regulatory submittals to EPA and other regulatory agencies worldwide; assist in preparation of MSDS and product safety literature.

Interested persons should submit a resume with salary history and request in confidence to the Human Resources Manager, First Chemical Corporation, P.O. Box 1427, Pascagoula, MS 39567. An Equal Opportunity Employer.

TOXICOLOGISTS

Doctoral level toxicologist(s) with 0-5 years experience for small but very successful consulting firm. Offices in Baton Rouge and New Orleans, Louisiana. Person must be highly motivated and a self-starter with a desire to gain a broad perspective into the field of toxicology. Computer literacy will be very helpful. Activities include litigation support, study design and registration support for pesticides, drugs and medical devices. Full benefit package and competitive salary based on experience. Please mail your curriculum vitae to: Richard A. Parent, PhD, DABT, RAC, Consultox, Ltd., P.O. Box 14082, Baton Rouge, LA 70898-4082, or transmit by facsimile to: (504) 926-0638. ●

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CRITERIA

The award, which may be presented annually, will recognize an individual (SOT member or non-member) who has made a major contribution to broadening the awareness of the general public on toxicologic issues through any aspect of public communication. The award should reflect accomplishments in public communications made over a significant period of time (similar to the Lehman and Merit Awards). Examples of qualifying media in which the nominated communication may appear are:

- books
- brochures
- Continuing Education Courses
- data bases
- extension bulletins
- magazines
- newspapers (local or national)
- public forums
- public presentations
- radio or television scripts
- workshops

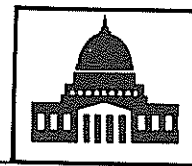
NOMINATIONS AND SELECTION

All nominations, including supporting materials, are to be submitted in writing to the Chairperson of the Awards Committee. It is recommended that each nomination be submitted by a sponsor and up to three seconders who are members of the SOT. Nominations may be submitted at any time, with a deadline of **October 1**, preceding the Annual Meeting at which the award will be presented. Nominations received after October 1 are considered for the following year. The files of successful nominees are considered for two additional years unless the sponsor withdraws the nomination.

AWARD

The award will consist of a bronze plaque and cash stipend (equal to the amount provided by the Toxicology Education, Achievement, and Arnold J. Lehman Awards).●

Watching Washington



Animal Facilities Protected By Law — The Florida, Maine and New Hampshire state legislatures recently passed laws to protect animal research facilities. The "Florida Animal Enterprise Protection Act of 1993," which became law without the governor's signature on March 17, makes physical disruption and economic damage at academic, agricultural and research facilities a third-degree felony. If economic damage exceeds \$10,000, the crime would be considered a second-degree felony. The law also requires restitution and injunctive relief. Maine's law makes it a Class E crime to cause intentional damage or violence to research, agriculture or exhibition facilities which house animals. Guilty parties could be subject to pay three times the economic damage. The New Hampshire law, which awaits the governor's signature, makes anyone who causes bodily injury or interferes with any property including animals or records used by any organization guilty of a Class A misdemeanor punishable by a one-year prison term. Anyone who causes "serious bodily injury" or economic loss exceeding \$10,000 would be guilty of a Class B felony, which carries a prison term of up to seven years. In the past five years, 33 states have passed animal facility protection laws.

NIH Bill Signed by President Clinton — The National Institutes of Health (NIH) Revitalization Act of 1993 (S.1) authorizing funds for science, research and health programs was recently signed into law by President Clinton. The President addressed a broad-based, bipartisan coalition during the bill signing ceremony at the U.S. Capitol, stressing the importance of biomedical research and the essential funding for science and research projects. "This legislation highlights the importance of programs administered by NIH — programs vital to our science and biomedical research base," said the President. "This legislation provides the hope that someday we can prevent or cure diseases such as diabetes, cancer, coronary heart disease, AIDS and Alzheimer's."

Scientists Receive Mail Bombs — Although there is absolutely no indication that two recent letter bomb attacks on scientists are in any way related to the animal rights cause, all scientists should be aware that a University of California professor and a Yale University professor were recently injured in two separate letter bomb incidents. No one has claimed responsibility for either attack and the FBI is investigating. Be wary of unexpected packages, especially those with no return address. Also be on the lookout for packages with wires, excessive taping or stains. If you receive a suspicious package, do not open or tamper with it — keep people away from it and telephone the police immediately.●