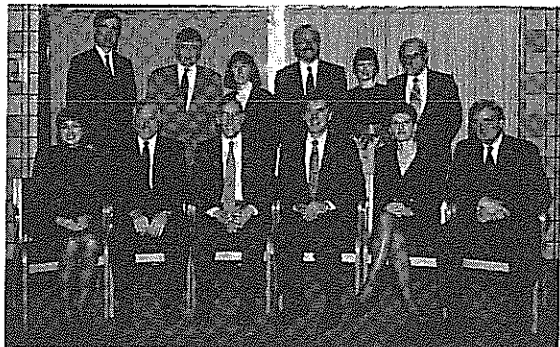


Society of Toxicology NEWSLETTER

MAY/JUNE 1992



1992-93 Council

(Front row, from left) Judith A. MacGregor, Treasurer-Elect; Donald J. Reed, Past President; John L. Emmerson, President; I. Glenn Sipes, Vice President; Meryl H. Karol, Vice President-Elect; R. Michael McClain, Treasurer. (Top row, from left) James S. Bus and John G. Dent, Councilors; Marion Ehrich, Secretary; Daniel Acosta, Councilor; Joan Walsh Cassedy, Executive Secretary; and Hanspeter R. Witschi, Councilor.

1992-93 Election Results

Vice President-Elect:

Meryl H. Karol, University of Pittsburgh

Treasurer-Elect:

Judith A. MacGregor, Chevron Research and Technology Company

Councilors:

Daniel Acosta, Jr., The University of Texas at Austin
Hanspeter R. Witschi, University of California, Davis

Education Committee:

Steven D. Cohen, University of Connecticut
Michele Medinsky, CIIT

Membership Committee:

Sidney Green, USFDA
Carole A. Kimmel, USEPA

Nominating Committee:

(from Regional Chapters):
Carol J.M. Henry, ILSI Risk Science Institute
(from Past Presidents):
James E. Gibson, Dow Elanco and Company
(from Specialty Sections):
James A. Popp, CIIT
(from Membership-at-Large):
A. Jay Gandolfi, University of Arizona.

1992 SOT Awards

The Society presented the following awards during the 1992 Annual Meeting:

- Merit Award - W. Norman Aldridge, University of Surrey;
- Arnold J. Lehman Award - Roger O. McClellan, CIIT;
- Achievement Award - Michael P. Holsapple, Medical College of Virginia;
- Toxicology Education Award - Dean E. Carter, University of Arizona;
- Frank R. Blood Award - Donald A. Fox, et. al., University of Houston;
- ICI Traveling Lectureship - Charles V. Smith, Baylor College of Medicine and Jerold A. Last, University of California, Davis; and
- Robert L. Dixon Award - Daland R. Juberg.

1992 Graduate Student Fellowships

The Society's Graduate Student Fellowships for the 1992-93 academic year were awarded to:

- CIBA-GEIGY Corporation - Lhanoo Gunawardhana, University of Arizona;
- Hoffmann-La Roche, Inc. - Anton M. Bennett, American Health Foundation; and
- The Procter & Gamble Company - Melecita Archuleta, University of New Mexico.

The Society is grateful to these companies for their support of this important educational program.

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Society of Toxicology
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Washington, DC 20005-5601
(202) 371-1393
Fax: (202) 371-1090

Deadline for next issues:
June 10, 1992
August 10, 1992
October 10, 1992
December 10, 1992

1993 Annual Meeting:
March 14-18
New Orleans, LA

President's Message

As it is every year, there is little time for reflection on the Annual Meeting just past, before the activities leading to the next begin. The guidelines for the organization of a symposium (in anticipation of the proposals for the 1993 meeting) were published in our January/February Newsletter before the 1992 meeting occurred. Be sure to check that item and get your ideas in to the SOT office for **Glenn Sipes** and the Program Committee to review in their May 26 meeting.

The 31st Annual Meeting in Seattle was satisfying from a number of aspects. First, the concern of Council over the prospect of a dip in attendance proved to be ill-founded. Second, the quality of the science at our Annual Meeting continues to be impressive across a broad range of scientific inquiry. Third, the SOT Headquarters staff and the Seattle Convention Center performed in concert to deliver a commendably-organized effort in outstanding facilities. Fourth, the site and weather could not have been more favorable. One cannot leave the subject of the Annual Meeting, its planning and organization, without specifically acknowledging **Don Reed**. A major factor in the success of this meeting was the contribution of President Don Reed who worked diligently with Headquarters staff to ensure that the details of the forthcoming event were anticipated and covered.

Although we have seen remarkable growth in our Annual Meeting attendance, the number having doubled over the past 10 years, there is always some reluctance to project -- from even recent trend lines -- for the coming year. In addition, one must remember that the economy was in recession and an Annual Meeting for the Society of Toxicology on the West coast has occurred infrequently so that we do not have a recent record to consult. This, coupled with the fact that so much of the Society's income depends upon a successful Annual Meeting, contributed to the cautious attitude from the Council. In fact, the registration in Seattle in 1992 was larger by 324 (3,985) than the attendance in Dallas (3,661), which was the previous record figure. The attractiveness of the site, the city and the convention center, will undoubtedly put Seattle on the schedule for the first available meeting date in the 1990s (we have an option to return to this city in 1998 or 1999). We will depend upon retiring Councilor **Jim Woods** (a Seattle resident) again to intervene with the weatherman: he did a marvelous job for us that last week in February.

The Program Committee continues to benefit from an analysis of the pre-meeting assumptions in light of real data. While the best forecast of the number of abstracts to be received was 1320 (equal to the number in Dallas), 1640 were actually presented at the Seattle meeting. We anticipated a healthy attendance at our symposia, and the rooms were sized accordingly. Fresh in our minds was the overflow crowd at the symposium on Mouse Liver Carcinogenesis in Dallas. The capacity of that room was 350 (the largest provided) and there were 100-150 attendees without seats. Our experience in Seattle, however, has changed even further the boundaries of our thinking. The symposium on Risk Assessment of Chemical Mixtures, for example, was attended by an estimated 800 scientists (with seating for 700), and the session on Current Controversies in Cancer Causation attracted approximately 1,200. Remote TV monitors were quickly provided to accommodate the overflow crowd from the main room which had (what we believed to be ample) seating for an audience of 700. It will be an increasing challenge in future years to be able to match the room with the symposium topic.

The Continuing Education Committee and chair **Ken Wallace** did an outstanding job of organizing the Continuing Education Courses. There were 2,156 registrants, 50 percent of whom completed a course evaluation. In assessment of overall quality, course description, syllabus quality, and slide quality, 80 to 90 percent of the respondents gave the courses a good to excellent rating. This Committee, which has added such an important dimension to our meeting, continues to build on past successes and improve the product from year to year.

The Placement Committee under the leadership of **Rudy Von Burg** and **Gisela Witz** facilitated the interaction between 210 employers seeking candidates and 279 candidates. We owe this Committee, whose members give so much time and effort at our Annual

Meeting, a great debt for their service. The smooth operation of the placement service is purchased by our volunteers with long hours away from the scientific sessions.

The Society of Toxicology Annual Meeting gets high marks from our exhibitors. They rate traffic, accommodations, and arrangements superior to many other meetings that they attend. The Headquarters staff has done an excellent job on this program, which brings significant revenue to fund Society activities. SOT staff has set a target for the last three years for the number of exhibitor booths to be sold and has exceeded their goal every year. For 1992 we hoped to sell a number comparable to the 161 booths in Dallas; in fact, we exceeded that number by 10.

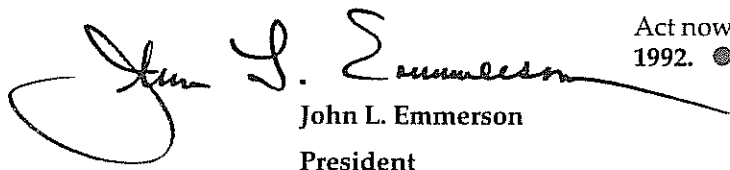
I call your attention to the two-page article on our Seattle meeting in *Science* (March 13) by Richard Stone. This was but one of a number of items that reached the local and national news media as a result of efforts by President **Don Reed** and the Public Communications Committee to call attention to our meeting and its importance. There were local TV spots as well as at least one lead item on the front page of the Seattle newspaper while the meeting was in progress. In a world awash with scientific misinformation, this is an encouraging development. Our Society is the home of the experts that do the science and debate the issues. Our members need to be more visible in bringing scientific understanding into the deliberations that underlie policy.

It is anticipated that we will begin our future meetings on Sunday and schedule for five full days, the first day being reserved for Continuing Education courses, followed by four full days of scientific sessions. Our past meetings were already chock-a-block from start to finish, and the Program Committee needed that extra one-half day this year to permit the scheduling of the 18 platform sessions, 15 poster discussions, 56 poster sessions, and 17 symposia.

I want to thank all the chairpersons for our scientific sessions, the organizers and chairpersons for our symposia, the volunteers who helped staff many functions, and the committee members (Placement, Program, Public Communications, Education, Continuing Education, ad hoc Tox 90s Educational Issues Task Force, Awards, and Burroughs Wellcome Toxicology Scholar Award Advisory), many of whom contributed directly to the organization of on-site activities and whose work made this meeting a success. Congratulations to all our student and member awardees.

Let me hear from you by letter, phone, or fax. The goodwill, resourcefulness, and enthusiasm of our members are the elements that make this such a great Society, and I welcome your ideas and recommendations. (Please note that volunteer forms are enclosed with this issue).

I look forward to working with your Council in the coming year and to the 1993 meeting, March 14-18, in New Orleans. Mark your calendars. New Orleans is a special city. The weather will be warm and the company distinguished. ●



John L. Emmerson
President

SOT Thanks Contributors

The Society of Toxicology expresses its gratitude to the following organizations, which contributed funds for activities at the 31st Annual Meeting of the Society:

- Charles River Laboratories
- Chevron Research and Technology
- The Dow Chemical Company
- Eli Lilly and Company
- Exxon Biomedical Sciences
- Harlan Sprague Dawley
- Johnson Pharmaceutical Research Foundation
- National Institutes of Health
- The Procter & Gamble Company
- Pfizer Central Research
- SmithKline Beecham Pharmaceuticals.

Airline Ticket Winners

The winner of two round-trip tickets on American Airlines, chosen at the Annual Business Meeting, was **Donald R. Buhler**, Oregon State University. The winner of two round-trip tickets on Northwest Airlines, selected from the Annual Meeting attendees using the SOT discounted travel program, was **Elizabeth Lapadula**, Texaco Inc. ●

SOT Membership Application Deadline

The next membership deadline is September 1, 1992. Please contact SOT Headquarters if you would like to receive revised application forms. ●

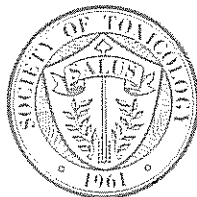
Officers and Elected Committees

The Nominating Committee asks your help in the preparation of the slate of nominees for the 1993 SOT elected officers and members of elected standing committees. The offices to be filled in 1993 include the Vice President-Elect, Secretary-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: **Curtis D. Klaassen**, Chairperson, **Carol J.M. Henry**, **James A. Popp**, **James E. Gibson**, **A. Jay Gandolfi** or **Meryl H. Karol** (liaison).

Act now! Your suggestions must be received by **October 1, 1992**. ●

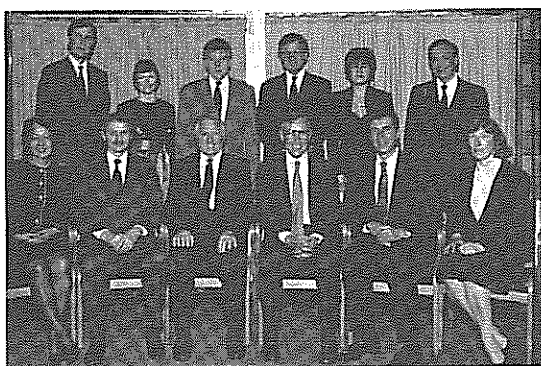
Society of Toxicology

Seattle Convention Center
Seattle, Washington
February 23-27, 1992



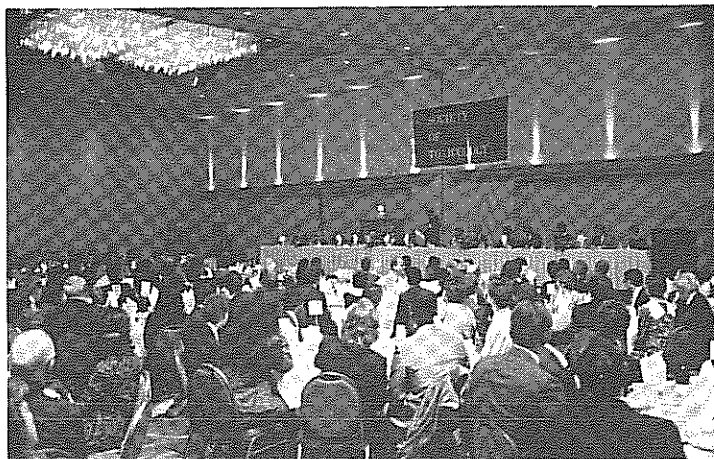
31st Annual Meeting's Highlights

Attendance: 3,985 -- 1,481 members; 2,504 non-members; of these two categories, 3,064 were scientists, 209 were post-docs, 569 were students, 143 were guests, 518 were exhibitors. 2,154 Continuing Education course tickets were sold for the 9 offered courses.

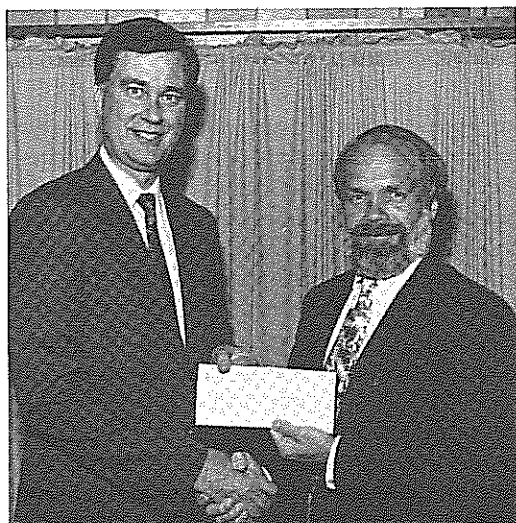


1991-92 Council

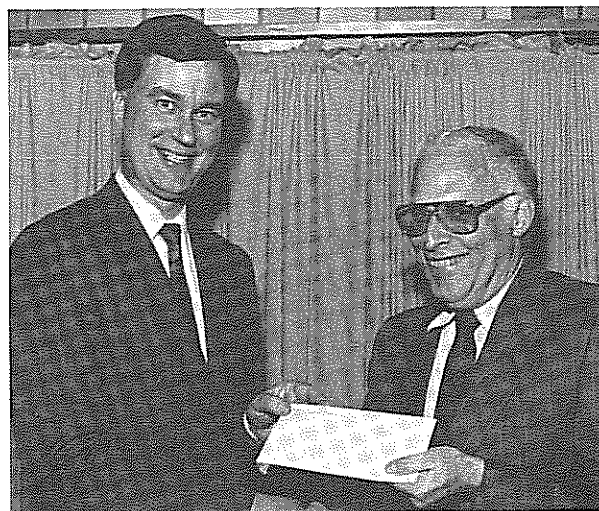
(Front row, from left) Florence K. Kinoshita, Secretary; Curtis D. Klaassen, Past President; Donald J. Reed, President; John L. Emmerson, Vice President; I. Glenn Sipes, Vice President-Elect; and Marion Ehrich, Secretary-Elect. (Top row, from left) James S. Bus, Councilor; Joan Walsh Cassedy, Executive Secretary; John G. Dent, Councilor; R. Michael McClain, Treasurer; Mary Jo Vodnicik and James S. Woods, Councilors.



The Annual Banquet and Awards Presentation drew a record crowd of over 550 attendees.



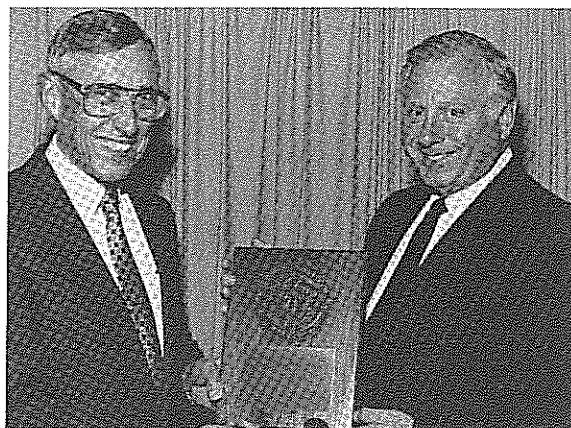
Councilor Jim Bus (left) presents the ICI Travelling Lectureships to Charles V. Smith and...



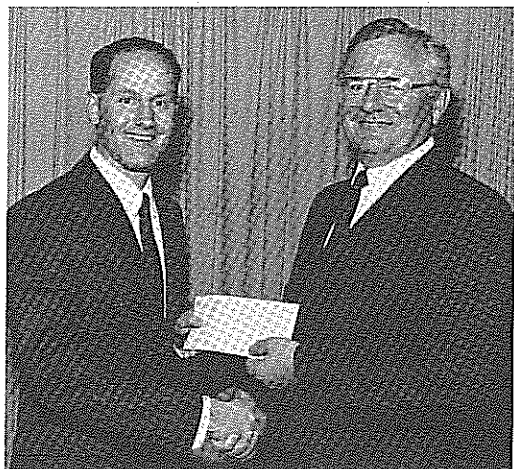
Jerold A. Last.



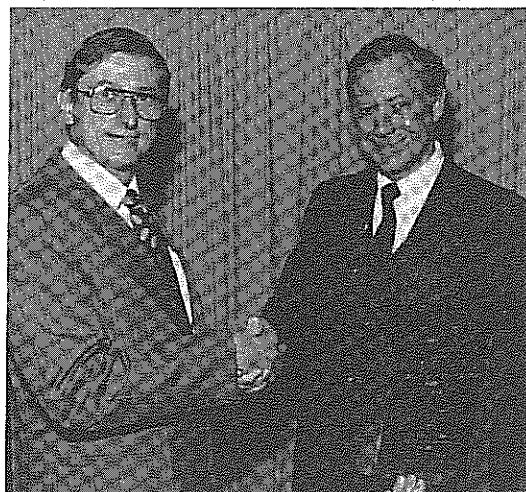
Donald A. Fox (right) accepts the Frank R. Blood Award, on behalf of himself and his co-authors, from Secretary-Elect Marion Ehrich.



Vice President John Emmerson (left) congratulated Don Reed on a successful year as President.



Past President Jerry Hook (right) was pleased to present the 1992 Robert L. Dixon Award to Daland R. Juberg. The award, established in memory of Past President Dixon, funds the travel of a student to the International Congress on Toxicology. The award is administered by The Toxicology Education Foundation.



Dean E. Carter (left) received the Toxicology Education Award from Councilor Jim Woods.



Roger O. McClellan (left) received the Arnold J. Lehman Award from Vice President-Elect Glenn Sipes.



Past President Curt Klaassen (left) presented the Society's highest award, the Merit Award, to W. Norman Aldridge.



William O. Berry (right) presents the Air Force Office of Scientific Research Post-Doctoral Award to Daniel Goon and...

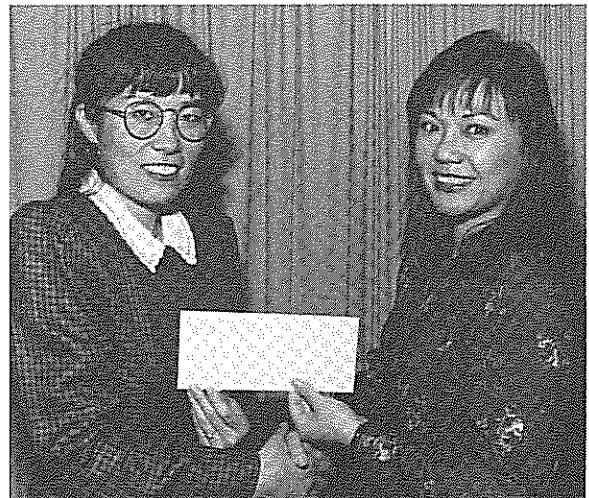


the AFOSR New Investigator Award to Thomas R. Sutter.

President Don Reed congratulated outgoing Councilors Jim Woods and Mary Jo Vodcnik (left) and Secretary Florence K. Kinoshita for their excellent contributions to the Society.



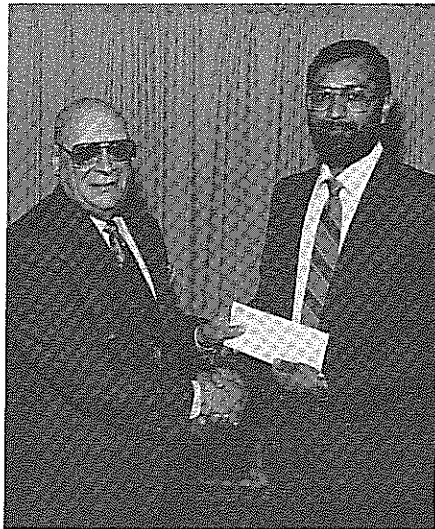
Secretary Florence K. Kinoshita (left) stands with Michael P. Holsapple, recipient of the Achievement Award.



Betty Kong (right) presented the Colgate-Palmolive Post-Doctoral Fellowship for *in vitro* Toxicology to Qin Chen.



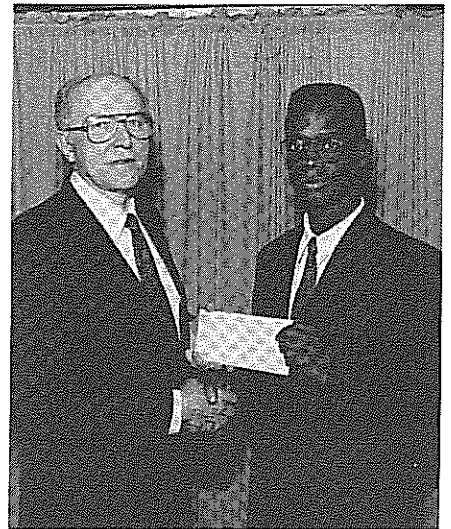
Martha Peck (left) and Meryl Karol flank the 1992 Burroughs Wellcome Toxicology Scholar, Janice E. Chambers.



Alan Arthur (left) presented the CIBA-GEIGY Graduate Student Fellowship to Lhanoo Gunawardhana.



Melecita Archuleta (right) accepted the Procter & Gamble Graduate Student Fellowship from Lois Lehman-McKeeman.



The Hoffmann-La Roche Graduate Student Fellowship was presented by SOT Past President Emil Pfitzer (left) to Anton Bennett.

Following the Banquet, President Reed enjoyed a few quiet moments with members of his family.



Member News

The Humane Society of the United States presented the first Russell and Burch Award to **Alan M. Goldberg**, Ph.D., director of The Johns Hopkins Center for Alternatives to Animal Testing (CAAT) and associate dean for research at the School of Public Health. The award recognizes a scientist who has made outstanding contributions to the advancement of alternatives to the use of animals in research, testing or education.

The College of Pharmacy and Health Sciences at Northeast Louisiana University has announced the appointment of **Harihara M. Mehendale** as the first recipient of the \$1 million-dollar Kitty DeGree Endowed Chair in Toxicology. Dr. Mehendale will also serve as Professor of Pharmacology and Toxicology, as well as Director of the Graduate Research and Training Program in Toxicology.

Dave Serota has joined Southern Research Group as the new assistant director of the Toxicology Research Department. He will be involved in government toxicology programs as both study director/toxicologist and as a co-investigator or principal investigator. ●

Chapter News

As part of its annual meeting May 15, 1992 in Kansas City, KS, the Central States Chapter established the **John Doull Award**. Dr. Doull is a Professor of Toxicology and Pharmacology at the University of Kansas Medical Center, Kansas City, recognized for his many national and international contributions to the field of toxicology as a scientist, educator and consultant. Dr. Doull is also a Past President of SOT. The award is a silver medal engraved with Dr. Doull's portrait and will be presented annually to a scientist who has made meritorious career contributions to the profession of toxicology. Future awardees may be from academia, industry or private practice and must be nominated by a member of the Central States Chapter. Selection of awardees will be made by the Executive Committee plus two past presidents of the chapter. ●

Coalition Sets National Agenda For Improved Life Science Education

The Coalition for Education in the Life Sciences (CELS), an ad-hoc group of science organizations including SOT, described the current status of life science education in the U.S. as a "second Pearl Harbor" at its annual meeting.

"We are not adequately preparing our young people to deal with a world dominated by science and technology," said Dr. John Moore, a professor at the University of California at Riverside. "Yet it is these same young people who will be the leaders of business, industry, and government, entrusted with the knowledge to enhance the economic, social, political, and international standing of our nation."

CELS advocates increased science and mathematics education extending from kindergarten through college and all colleges and universities requiring at least one year's study of biology as a pre-requisite for graduation. ●

Publications of Interest

Accomplishments in Cancer Research, General Motors Cancer Research Foundation, Joseph G. Fortner, MD and Jonathan E. Rhoads, MD, J.B. Lippincott Company, 227 E. Washington Square, Philadelphia, PA 19106.

Biological Markers in Pulmonary Toxicology, National Research Council, National Academy Press, P.O. Box 285, Washington, D.C. 20055.

The Care and Use of Amphibians, Reptiles and Fish in Research, Scientists Center for Animal Welfare, Dorcas O. Schaeffer, D.V.M., M.S. and Kevin Kleinow, D.V.M., Ph.D., Lee Krulisch, SCAW, 4805 St. Elmo Avenue, Bethesda, MD. 20814.

Chemistry and Pharmacology of Natural Products, A. Pusztai, Cambridge University Press, 40 West 20th Street, New York, NY 10011.

Compliance Plan for OSHA Bloodborne Pathogens Standard, Moran Associates, 919 18th Street, N.W., Washington, D.C. 20006, 202/785-4949.

Drug Resistance As a Biochemical Target in Cancer Chemotherapy, Bristol-Myers Squibb Cancer Symposia, Takashi Tsurio, Makoto Ogawa and Stephen Carter, Academic Press, 1250 Sixth Avenue, San Diego, CA 92101.

New Strategies in Making Waste Reduction Work, Richard Walka and Andriani Harris, Executive Enterprises Publications Co., Inc. 22 West 21st St., New York, NY 10010-6904, 212/645-7880.

New Trends in Pharmacokinetics, Aldo Rescigno and Ajit K. Thakur, Plenum Publishing Corporation, 233 Spring St., New York, NY 10012, 212/620-8000.

Organophosphates: Chemistry, Fate & Effects, Janice E. Chambers and Patricia E. Levi, Academic Press, 1250 Sixth Avenue, San Diego, CA 92101.

QSAR in Environmental Toxicology-IV, Joop L.M. Hermens and Antoon Opperhuizen, Elsevier Science Publishing Co., Inc., P.O. Box 882, Madison Square Station, New York, NY 10159. ●

Nominations Invited for SOT 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. ●

Upcoming Conferences

ICT VI, June 28-July 3, 1992, Hotel Cavalieri Hilton, Rome, Italy. Contact: Secretariat, ICT VI, Studio EGA, Viale Tiziano, 19, 00196, Rome, Italy, (06) 3221806, Fax: (06) 3222006.

The Toxicology Forum, July 13-17, 1992, Given Institute, Aspen, Colorado. Contact: Janet Ferrara (303) 270-7407.

Science Innovation '92: New Techniques and Instruments in Biomedical Research, July 21-25, 1992, San Francisco, California. Contact: American Association for the Advancement of Science, 202/326-6450.

Chemical Mechanisms in Toxicology Course, August 3-4, 1992, Washington, D.C. Contact: Ms. Pamela McAnnaly, American Chemical Society, 202/872-4507 or Dr. Frederick J. Di Carlo, 202/260-3398.

Mechanisms of Immunotoxicity Symposium: Pulmonary Immunotoxicology/Allergy, September 2-4, 1992, Virginia Beach Resort Hotel and Conference Center. Contact: Denise White Johnson, 804/786-1180.

International Conference on Male-Mediated Developmental Toxicity: Father's Exposures and Their Children's Health, September 16-19, 1992, Westin William Penn Hotel, Pittsburgh, Pennsylvania. Contact: Mary C. Chabala, University of Pittsburgh, 412/647-8126.

Refinement and Reduction Strategies in Animal Testing, September 17-18, 1992, Trenton / New Brunswick / Philadelphia. Contact: Scientists Center for Animal Welfare, 301/654-6390.

Society of Toxicology 1993 Annual Meeting, March 14-18, New Orleans, LA. Contact: Erin McFall, 202/371-1393; Fax: 202/371-1090. ●

Constitution and By-Laws Ballot Results

The SOT Constitution and By-Laws revisions, as discussed at the February 24, 1992 Annual Business Meeting, were approved by a majority of the membership in the April 24, 1992 balloting process. An amendment was made to Article Fourth, Section 2 of the By-Laws. The revised Constitution and By-Laws will be published in the 1992-1993 Membership Directory. ●

Colgate-Palmolive Postdoctoral Award for In Vitro Toxicology

Dr. Betty H. Kong of the Colgate-Palmolive Company presented the Colgate-Palmolive Postdoctoral Award for *in vitro* toxicology at the SOT Annual Meeting. The 1991 award of \$33,500 annually for two years was awarded to **Qin Chen**, University of California.

Through the Society of Toxicology, The Colgate-Palmolive Company sponsors this postdoctoral fellowship for research in an aspect of *in vitro* toxicology, especially research that may contribute to *in vitro* alternatives to animal safety studies. ●

Burroughs Wellcome Award Presented

The 1992 Burroughs Wellcome Toxicology Scholar Award was presented to **Janice E. Chambers**, Mississippi State University, by Martha Peck, Executive Director of the Burroughs Wellcome Fund, and **Meryl H. Karol**, Chairperson of the Award Advisory Committee. The five-year, \$350,000 award, administered by SOT, is intended to support the career development of toxicologists and to stimulate teaching, training and research in academic institutions that have made a commitment to toxicology as a basic science.

In addition, the program is designed to help provide an increased number of toxicologists training in understanding the interactions of chemicals with biological systems. Selection is made on the basis of the demonstrated ability and potential of the candidate, the strength of the commitment for program expansion, the quality of expansion plans and relative importance of the award to the success of the proposed program expansion. ●

Dr. De Salva Retires After 30 Years with Colgate-Palmolive

Dr. Salvatore De Salva, a major supporter of the educational programs of the SOT, has retired from the Colgate-Palmolive Company following more than 30 years of service. At the time of his retirement, Dr. De Salva was Corporate Director of Human Resources and Environmental Safety. Prior to joining the company in 1959, Dr. De Salva was employed by Armour Laboratories as a pharmacologist. He was awarded the Ph.D. in Pharmacology from Loyola University in 1957.

Several years ago, Dr. De Salva approached the SOT concerning the establishment of a Postdoctoral Award, sponsored by Colgate-Palmolive, to support research aimed at the development of *in vitro* technologies to replace animal testing. Instituted in 1988, the two-year, \$67,000 award includes an annual stipend of \$22,000, plus additional funds for supplies, equipment, and travel. The Society wishes Dr. De Salva all the best and looks forward to his continued involvement. ●

Society of Toxicology Nominations Invited

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.

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. Donald J. Reed**, SOT Headquarters. Deadline for receipt of nominations for 1992 Awards is October 1, 1992. ●

Obituaries

Dr. J.D. McColl

Dr. John Duncan McColl, president and founder of the Chattanooga, TN-based consulting firm McColl & Associates Inc., died July 15, 1991. He was 65.

A native of London, Ontario, Canada, Dr. McColl's career in industrial pharmacology spanned five decades and included affiliations with the Frank W. Horner Co. of Montreal, the Meade-Johnson Drug Co. of Evansville, IN and Chattem Inc. of Chattanooga. He is survived by his wife and three children.

Dr. Geoffery L. Woodard

Dr. Geoffery L. Woodard, 76, the founder and retired Chairman of the Board of Woodard Research Corp. of Herndon, VA, died December 14, 1991 in Charleston, SC.

Dr. Woodard, a native of Michigan, joined the Food and Drug Administration in 1936 as a technical aide and rose through the ranks to Chief, Pharmacodynamics Branch, Division of Pharmacology by 1951. While at the Food and Drug Administration he earned a B.S. in chemistry in 1939 and his Ph.D. in 1951 in Pharmacology at George Washington University. He co-authored with Draize and Calvery the widely cited paper on methods for studying the toxicity of materials applied to the skin and mucous membranes which appeared in the Journal of Pharmacology and Experimental Therapeutics in 1944.

In 1957, Dr. Woodard left the FDA to establish Woodard Research Corporation. His laboratory pioneered the use of a computer to record toxicological data. Dr. Woodard contributed to the National Research Council's programs on data processing, metabolism and toxicity. Woodard Research Corporation was the first contract laboratory to do teratogenic evaluations and studies on fish and wildlife.

Dr. Woodward was a member of the American Society of Pharmacology and Experimental Therapeutics, the Association of Food and Drug Officials of the United States, and a Fellow of the Academy of Pharmaceutical Science. He was a Charter member of the Society of Toxicology and served on the SOT Council from 1964-66.

Geoffery Woodard is survived by his wife and co-worker Marie Woodard of Isle of Palms, South Carolina, five children and two grandchildren. ●

Contributed by Robert Beliles

Minority Programs at Seattle Meeting

The Society of Toxicology Education Committee continued its program in minority recruitment when 33 minority undergraduate science majors and 9 science advisors received travel awards to attend the 1992 Annual Meeting in Seattle. These individuals were selected in an effort to encourage their choice of toxicology as a career. The Program is supported by grants from NIH and the Air Force.

While at the meeting, travel awardees attended an Educational Program for Minority Students. A keynote presentation was provided by Cecil B. Pickett of Merck Frost Center for Therapeutic Research; **Stephen H. Safe**, Chairperson of the Education Committee, served as program moderator. The discipline of toxicology was introduced by **Harihara Mehendale** of the University of Mississippi, and additional remarks concerning careers, research, and regulatory assistance were provided by **Faye Calhoun**, NIH; **Daniel Acosta**, The University of Texas at Austin; **Ethel Cormier**, The Procter & Gamble Company; **Diane Garnes**, CIBA-GEIGY Corporation; and **Mark Nelson**, University of Arizona. Over 150 individuals attended the Educational Program.

Travel awardees also attended a Poster Session for Minority Students, which provided an overview of research in toxicology. The session was conducted by scientists who volunteered to present their work at this special session, in addition to the regular session to which their work was assigned. Over 25 posters were displayed and over 300 people attended. Refreshments were provided by Eli Lilly & Company.

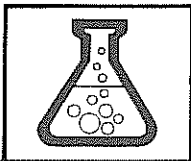
While in Seattle, the travel awardees were treated to a tour of the city of Seattle that was sponsored by Exxon Biomedical Sciences. Travel awardees were also able to attend exhibits and scientific sessions.

During their stay in Seattle, the travel awardees were hosted by toxicologists who volunteered for this important aspect of the program. These individuals included **Richard Bull**, Washington State University; **Patty Ganey**, Michigan State University; **Paul Goldstein**, University of Texas; **Mari S. Golub**, University of California; **Sidney Green**, FDA; **Craig Harris**, University of Michigan; **Terry Kavanaugh**, University of Washington; **Jane Koenig**, University of Washington; **Elaine Knight**, RW Johnson Pharmaceutical Research Institute; **Randy Sleet**, Research Triangle Institute; and **David Springer**, Battelle Pacific Northwest Laboratories.

Comments and suggestions on the program are encouraged, as the Education Committee plans a similar effort in 1993. ●

Mark Your Calendars!
1993 SOT Annual Meeting
New Orleans, Louisiana
March 14-18, 1993

Placement Services



Regulatory Toxicologist

Board Certified, MS Toxicology/PhD preferred. With 4-6 years experience. Responsible for MSDS review of Toxicology data, monitoring studies and regulatory projects. Must possess excellent verbal and written communication skills and have PC knowledge. Prior regulatory/toxicology experience with a chemical company is preferred. Some travel to other Akzo sites to monitor toxicology studies is required. Salary is commensurate with experience. Benefits package provided. Respond to: Akzo Chemicals, Fern Sohn, 300 South Riverside Plaza, Chicago, IL 60606. ●

Toxicologist

Syntex has earned its reputation in the pharmaceutical industry for superior and innovative research. Our strong commitment to R&D has opened new doors in patient care around the world. We have an outstanding opportunity for a Toxicologist to join us in our Palo Alto research headquarters.

You will be responsible for designing, monitoring, and reporting in-house preclinical toxicology studies in a variety of therapeutic areas. Information will be used to support national and international regulatory filings for new drug registrations.

To qualify, you'll need a PhD in Toxicology or a related discipline with 2+ years' postdoctoral experience. You'll also need familiarity with regulatory requirements and the ability to work in a team-oriented environment. Excellent communication and interpersonal skills essential. Pharmaceutical or biotech background preferred.

Syntex, located on the San Francisco peninsula, offers a competitive compensation and relocation package which includes an incentive bonus plan. For immediate consideration, please send your resume to: Syntex, Professional Staffing, Dept. KH/TM, 3401 Hillview Avenue, Palo Alto, CA 94303. We are an equal opportunity employer. ●

Environmental Toxicologist -- Associate/Full Professor

The University of Nebraska Medical Center seeks an established investigator for a tenure-leading faculty position, to conduct a research program in environmental toxicology in collaboration with the Water Center,

University of Nebraska-Lincoln. Areas of research specialization include, but are not limited to, carcinogenic and other health effects of water contaminants such as nitrate and pesticides.

The appointee will be expected to participate in intercampus toxicology and water-related teaching and research activities. The successful candidate will have a primary appointment in the Eppley Institute for Research in Cancer and Allied Diseases, an NCI-Designated Laboratory Cancer Center. Substantial new laboratory space and access to state-of-the-art core facilities and chemical and biological sciences are available. All faculty are expected to have joint appointments in an academic department at UNMC and in the Water Center at UNL.

Academic rank and salary in the tenure-leading position are dependent on qualifications.

Please submit curriculum vitae, statement of research interest, and name of at least three references to: Raymond W. Ruddon, MD, PhD, Director, The Eppley Institute for Research in Cancer and Allied Diseases, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-6805.

The University of Nebraska is an EOP/AA employer. Minorities and women are encouraged to apply. ●

Corporate Toxicologist

The Upjohn Company seeks a highly skilled individual to join our corporate health and safety regulatory affairs function. Responsibilities will include internal consulting, regulatory compliance, risk assessment and scientific evaluation, as these relate to both domestic and international business interests.

Candidate must possess an MS or PhD in toxicology or a related field. Several years' substantive experience with environmental, occupational and/or public health risk assessment is desirable. Excellent communication, interpersonal and organizational skills required.

In addition to an opportunity for career growth, we offer a competitive salary and benefits package commensurate with experience and expected contribution. We are located in Kalamazoo, a Michigan community midway between Chicago and Detroit offering an excellent mix of cultural and recreational opportunities. For confidential consideration, please submit your resume to M.L. Kwiatrowski, The Upjohn Company, 7171 Portage Road, Kalamazoo, MI 49001. Minority and female candidates are encouraged to apply. An Equal Opportunity Employer M/F. ●

Inhalation Toxicologist

RCC is a leading international contract research institute specializing in toxicology, chemistry, ecology, registration and clinical trials. We are currently seeking a toxicologist/study director for our laboratory in Geneva, Switzerland. The person appointed will be responsible for the protocol design, conduct and reporting of toxicology

studies. Extensive client liaison is envisaged. A doctorate or similar qualification in toxicology, pharmacology or biology studies at GLP-Standards. Particular consideration will be given to candidates with experience in inhalation toxicology. Respond to: Mrs. L. Pfister, RCC Research and Consulting Company Ltd., Postfach, CH-4452 Itingen, Switzerland. ●

Scientist

Scientist for national public interest group to work on food safety issues. Related PhD and advocacy experience preferred. Salary range \$33-40K. Non-smoking office. Send resume, salary history, writing samples to J. Douglas, CSPI, 1875 Connecticut Avenue, NW, #300, Washington, DC 20009. ●

Senior Principal Scientist

There are a number of components to success in the pharmaceutical research process. The most important is our people. At Schering-Plough, we hire the best talent in our industry. Then, we provide them with the technical resources they need to do their best work: the most advanced instrumentation; the latest computerized systems; and modern lab facilities. Finally, we spend over \$400 million annually on R&D, and are completing a \$300 million R&D facility. Commitment of this scope has helped us achieve over \$3 billion in annual rates around the world.

As part of Schering-Plough's Safety Evaluation Center, you will be a senior staff member in General Toxicology participating in drug safety activities supporting all of our pharmaceutical product registrations. Your responsibilities will include the definition of project requirements overseeing SEC and contract projects, interpretation of results and preparation of written reports. You will serve as a staff consultant on toxicology issues and represent drug safety on a corporate-wide therapy team.

The successful candidate will possess a PhD in Toxicology or related discipline, board certification in toxicology and at least 8 years' relevant experience in industrial pharmaceutical toxicology. Effective written and verbal communication skills are essential. Desirable work experience includes interaction with government regulatory authorities, leadership for multidisciplinary tasks and participation in mechanistically oriented research.

We offer highly competitive salaries and an excellent benefits package. Please send resume to: Mr. William Decker, Schering-Plough Research Institute, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer. ●

Watching Washington

Animal Research In The News

Animal Welfare Act to Include Rats, Birds & Mice: The Department of Agriculture's decision to exclude rats, birds and mice from coverage under federal animal welfare regulations has been ruled unlawful by U.S. District Court Judge Charles R. Richey.

The Animal Welfare Act gives the Secretary of Agriculture discretion to determine which animals may be used for purposes regulated by the Act, but not to exclude animals that are clearly used for those purposes. Richey found no authority in the Act for the animals' exclusion and said the USDA acted "capriciously" by not assuring the humane treatment of all laboratory animals.

USDA officials argued that the cost of enforcing the care of laboratory rats, mice and birds would triple its workload and be prohibitively expensive and plans to appeal.

ALF Attack: Ten years of research on alternatives to animal models conducted by a Michigan State University professor was destroyed by a fire set by the Animal Liberation Front in February. Also destroyed by the fire was 32 years of research involving nutritional and toxicological studies on mink.

Dr. Karen Chou, assistant professor of animal science at MSU, had been working for a decade on exactly what animal rights groups say they want - an alternative to testing on animals. Chou has been studying the use of sperm as a substitute for animals in toxicological testing.

"I'd have to relive my research life for 10 years to duplicate everything. I will start over." The value of lost research data and records is inestimable, but physical damage to MSU facilities is estimated at \$150,000. The police and FBI are investigating.

New Laws Protect Researchers: Nebraska and South Dakota have joined 24 other states in providing protection for researchers and research facilities from the sometimes illegal actions of animal rights activists. The new laws make it a felony to commit any of the following acts at an animal research facility: to intentionally damage, destroy or steal any property or animals; intentionally release any animal; enter a facility not open to the public or remain concealed with the intent to commit the prohibited acts outlined; remain in a facility after receiving notice to leave.

Anyone whose illegal actions cause the failure of an experiment will be liable for all costs of repeating the experiment, including replacement of animals, labor, and materials. Similar legislation is pending in nine other states.

European Parliament Considers Animal Test Ban: A proposal to ban the use of animals for the testing of cosmetics is being considered by the European Parliament, the legislative body that shapes law throughout the European Economic Community. An amendment prohibiting the marketing of cosmetics containing ingredients tested on animals was approved, but failed to be formally reported out because of Commission opposition. ●