

Communiqué

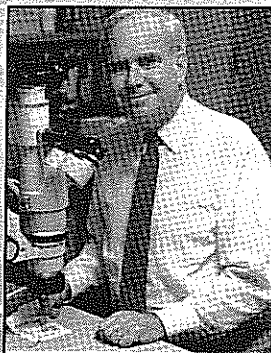
Summer/Fall 2001

2002 SOT Annual Meeting Coming Together

Nashville, Tennessee will be the scene of what promises to be one of the most exciting Annual Meetings in years. The Program Committee, hard at work for months now, has scheduled an array of programs and sessions that promise a great deal of cutting-edge scientific research. Headlining the program is **Peter H. Raven**, Director of the Missouri Botanical Garden, as the plenary speaker. Raven is one of the world's leading botanists, and has long been involved in conservation and environmental protection efforts. He is the current president of American Association for the Advancement of Science (AAAS).

The program also includes a full slate of Continuing Education courses, Roundtables, Symposia, and Workshops. Current plans call for 21 Symposia, 12 Workshops, and 1 Roundtable. Other special sessions and named lectureships are still being arranged, with some of the most prominent figures in toxicology expected to participate. Please see the complete list of program sessions in the Annual Meeting section of the SOT Web site.

Congratulations are due all around for the hard-working Specialty Section officers and members, and to the Program and CE Committee members, for creating an exceptional scientific program. SOT appreciates the hard work and thoughtful labor required to produce a successful Annual Meeting!



*Peter H. Raven,
2002 Annual Meeting
Plenary Speaker*

Nashville
MARCH 17-21, 2002

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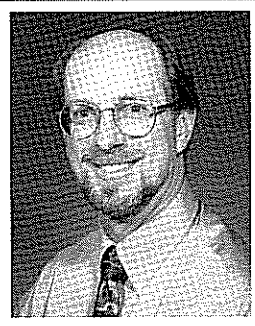
Submitted by Harry Salem

As a follow up to my last report, I continue to work on issues of concern to **Congressman James Greenwood**.

The information I gained at the regional meeting of the Allegheny-Erie SOT on MTBE proved very useful. Combined with a current literature search and review I provided to the Congressman, it served as the basis for a briefing he gave to a congressional committee, and will be the basis for a policy decision. Along with the Congressman and his staff, I attended the markup meeting with the Energy and Commerce Committee on Oxygenates in Gasoline. Congressman Greenwood submitted an amendment to remove the requirement of 2% oxygenate from gasoline as long as the emissions remain in compliance with the Clean Air Act. Although the form of the final bill is still being negotiated, SOT will have contributed very directly to the legislative process.

I continue to monitor the issue of global climate change. I am evaluating the recent National Research Council (NRC) review of the Intergovernmental Panel on Climate Change (IPCC).

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*David Eaton, Ph.D.
2001-2002 President of the
Society of Toxicology*



In order to reduce costs and take advantage of SOT's Web site, some *Communiqué* articles are printed in a condensed version in this newsletter. For those articles, full versions can be viewed On-line at www.toxicology.org.

A computer icon at the end of an article indicates that more information is available on the SOT Web site.



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PRESIDENT'S MESSAGE

REACHING OUT – NEW OPPORTUNITIES FOR SOT TO EXPAND OUR SERVICE

At the June meeting SOT Council evaluated a new proposal to establish the current *ad hoc* Working Group on Women In Toxicology (WIT) as a new Specialty Section. Under the leadership of **Gina Pastino** and **Michelle Hooth**, WIT has grown from a small, grass roots effort, established in 1999, to become a full-fledged part of our organization. Although WIT has been around for a few years, Council, and members of WIT, were never quite sure what organizational structure best met their needs and the needs of our Society. I'm pleased to announce that WIT was approved, in principle, as a standing component of SOT. Using the format created for Specialty Sections, the WIT leadership was able to demonstrate that they fulfill all of the expectations, and more, needed to establish a Specialty Section. However, there has also been agreement that WIT doesn't fit perfectly with the current concept of Specialty Sections, which tend to be sub-discipline oriented. However, they clearly fit within the definition of a Specialty Section under Article Eighth of our By-Laws, which reads: "The Society may authorize formation of Specialty Sections to further the purposes of the Society." Following discussion, a sub-committee of Council was appointed to assess how we might establish a new category of Specialty Section that could address important professional needs, while fully maintaining the integrity of our current "sub-discipline" oriented Specialty Sections. WIT will continue to work toward their goals as a Working Group. The goals of WIT, as defined in their application for Specialty Section status, are to:

Promote the recruitment and retention of women to a profession in the toxicological sciences; Provide leadership for career development opportunities for women toxicologists; Promote and recognize the accomplishments of women toxicologists; Sponsor scientific and education programs.

Over two hundred men and women (yes, there were a few men there!) attended an excellent evening session sponsored by WIT at the San Francisco meeting. I encourage you to support this new group within our Society, and I look forward to seeing future accomplishments of WIT. Council also anticipates that the format for a new category of Specialty Section currently under development will provide additional organizational guidance to other sub-groups of members with common interests and special concerns.

Council also approved the continuation of the Congressional Science Fellow program, and hopes to continue to build our presence "on the Hill" that has been established by past Fellows **Brad Shurdut** and **Skip Matthews**, and current Fellow **Harry Salem**. However, for this program to continue into the future, we need strong applicants who are able and willing to relocate to Washington, DC and take on the many challenges of promoting sound science in the halls of Congress!

These are just two examples of how SOT is working to increase our "reach" - both to the public and Congress through our Congressional Science Fellow program, and to our membership through WIT.

David L Eaton

*David Eaton, Ph.D.
2001-2002 President*

COUNCIL HIGHLIGHTS

Highlights from the June Council Meeting

- 1 Council reviewed all the Committee budgets and consolidated recommendations into the approved 2001-02 annual budget.
- 2 The previous and future Society history will be published on the SOT Web site.
- 3 Council approved the request for Regional Chapters to be able to establish an Associate category for corporate sponsors. Regional Chapters interested in soliciting corporate sponsors should first review SOT policy regarding this matter.
- 4 The Society will no longer accept as SOT Associates or Annual Meeting sponsors/companies who engage in the production and sale of tobacco products.
- 5 Council approved the 2002 Scientific Sessions, Annual Meeting program and the 2002 Continuing Education sessions.
- 6 The 2004 Annual Meeting will be held in Baltimore, MD over dates of March 22-27 to avoid any conflicts with the American Association for Cancer Research (AACR) annual meeting.
- 7 Students will be allowed to apply for multiple awards offered through the Education Committee, the Regional Chapters, and the Specialty Sections, but the students will be able to accept no more than one travel award to the Annual Meeting.
- 8 Council approved the formation of non-scientific Specialty Sections as a separate category within the already existing scientific Specialty Sections, and approved WIT's By-Laws.
- 9 Council approved \$5,000 to support the 2001 Gordon Conference on Toxicology.

2000-2001 Fiscal Year in the Black

Though the audit is not yet complete, it looks as though the fiscal year ending June 30, 2001, has shown an excess of revenue over expense of over \$300,000 for the Society of Toxicology. This surplus follows three years of operational activity losses and has come as a result of considerable efforts by the SOT Committees and Council.

In 1996, the Society made a conscious decision to reduce its long-term reserves, which at that time were in excess of 100% of the operational expenses, down to 75% of operational expenses. Over the next few years, Committees were encouraged to bring forward projects that would further the SOT's long-range goals.

Between 1997 and 2000, many new and excited projects were funded and the Society was able to enhance the science, as well as the understanding, of toxicology. In 1997, the Society continued to have an excess of revenue over expenses and in 1998, though the net from

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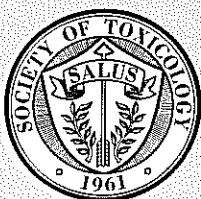
Council Votes to Stop Accepting Corporate Contributions from Tobacco Companies

The issue of corporate contributions to SOT from tobacco companies has been a point of considerable debate and dissent among the membership of the Society of Toxicology over the past several years. Following the public forum on

this topic that was held at the SOT Annual Meeting in San Francisco, the issue was again raised and debated among the current SOT Council. Following extensive discussion among Council members, a motion was made and approved by a

majority (but not unanimous) vote, to adopt a policy that precludes SOT from accepting corporate sponsorship funds from organizations that are substantially involved in the manufacture and sale of tobacco

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The *Society of Toxicology Communiqué* is published 4 times annually in Reston, Virginia, for members of the Society of Toxicology.

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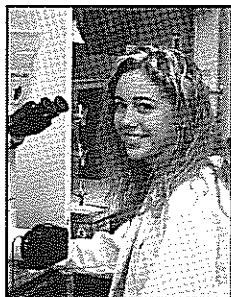
Newsletter Editor:
Kendall B. Wallace, Ph.D.

Deadlines for Upcoming Issues:
October 3, 2001 (Winter Issue)
December 3, 2001 (Special Issue)
April 3, 2002 (Spring Issue)

Student Interns Participate in Toxicology Research

SOT serves as matchmaker for students and internship sponsors by listing positions on the SOT Web site. At least twenty students were placed this year at eight sponsors *via* this resource.

Comments from students underscore the value of the internship experience. **Lisa Gued**, a fourth year student at Florida A&M University in Tallahassee, worked at the Dow Chemical Company and will be pursuing a Ph.D. in Environmental Toxicology. "This summer has been an excellent opportunity to work



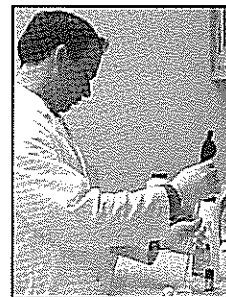
Tara Schulte

with a well-seasoned team on a project relevant to my own research," she said. **Tara Schulte**, also planning on graduate school, reported, "I think that I would really like doing research. This is a great program for anyone considering a career in pharmacology or toxicology and it really helped me decide if I was cut out for research."

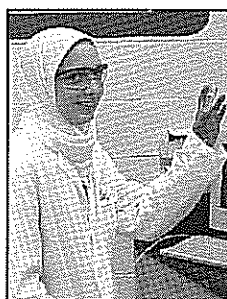
Intern mentors also find the program rewarding. **Beverley Greenwood** served as **Cody Aull's** mentor at the University of Oklahoma. She said, "The value of this program is that it gives a young student a wonderful opportunity to experience life in a "working" laboratory. Moreover, since I had numerous students in my lab, Cody was able to

develop friendships and learn a lot about other cultures of people not originally from Oklahoma.

During his time in my laboratory Cody realized that he really enjoyed science that was clearly related to a clinical problem. Moreover, in addition to learning numerous scientific, computer and verbal communication skills, he developed his interpersonal skills and became a key player in my laboratory team.



Cody Aull



Haaf Durrat

To me personally, I love the interaction with strong and energetic students. Furthermore, over the past 15 years a passion for me is to mentor and advise students and share with them some of my scientific knowledge."

SOT encourages toxicologists to provide these experiences. Sponsors can submit information about their openings using a form found on the SOT Web site at www.toxicology.org.



INTERN

Stephanie Alexander
Cody Aull
Amy I. Chen
Tania Cossio
Haaf Durrat
Magdia Dejesus
Lisa Gued
Julie Heck
Camille Henson
Alexandra Hlavacova
Diego J. Levy
Dorothy Louis
Kim Mai
Justin A. May
Kelly McGrath
Emily Nguyen
Nathalie Phelut
Mustak Pirbhai
Christelle Quereuil
Tara Schulte

SPONSOR

Mount Sinai School of Medicine
University of Oklahoma Health Sciences Center
Pfizer Global Research and Development
Mount Sinai School of Medicine
Eli Lilly and Company
Mount Sinai School of Medicine
The Dow Chemical Company
University of Oklahoma Health Sciences Center
Johns Hopkins University
Pfizer Global Research and Development
Mount Sinai School of Medicine
Mount Sinai School of Medicine
Johns Hopkins University
GlaxoSmithKline Pharmaceuticals
Johns Hopkins University
University of Oklahoma Health Sciences Center
University of Oklahoma Health Sciences Center
CIIT Centers For Health Research
University of Oklahoma Health Sciences Center
University of Oklahoma Health Sciences Center

MENTOR

Luz Claudio
Beverley Greenwood van-Meerveld
Thomas Davies
Robin Herbert
David Watson
Jia Chen
Ronald Thomas
Randy Gallucci
David Jett
Jiri Aubrecht
Andrea Gore
Luz Claudio
Shyam Biswal
Jennifer Leonard
Timothy Buckley
Rae Matsumoto
Larry Fisher
Brian Wong
Larry Fechter
J. Thomas Pento

Congressional Science Fellow Report

Continued from page 1

This includes the many comments and critiques of the review as well as the recent scientific literature on the subject. I will offer recommendations to Congressman Greenwood as he considers policy proposals about how the U.S. will address global climate change.

Based on discussions and recommendations, Congressman Greenwood signed onto **Congressman Ehler's** bill recommending that the EPA have a Deputy Administrator for Science and Technology. Following discussions and a meeting with the people from the World Wildlife Group, and input from one of our knowledgeable SOT members, **John Thomas**, Congressman Greenwood signed the letter in support of funding EPA's Endocrine Disruptor Screening Program.

It was a distinct honor to be invited to **President Bush's** Dinner (Black Tie and Boots) on the evening of June 27. It was a fabulous event! I was seated next to **Congressman George Nethercutt** and his wife **Mary Beth** from Washington State. We discussed many toxicological issues. Subsequent to that interchange, Congressman Nethercutt invited me to lunch at the "Members Only" dining room in the capital, where we continued our discussions on toxicology. He is on the science committee and his specific interests include diabetes, agro- and eco-terrorism as well as anthrax prophylaxis and therapy. After a delightful lunch that lasted over an hour, I provided him with information on his areas of interest, and also promoted SOT and its Congressional Science Fellow Program. I also offered him my toxicological assistance and referrals to other SOT members. He was most appreciative and agreed to co-sponsor the upcoming SOT Genomic Congressional

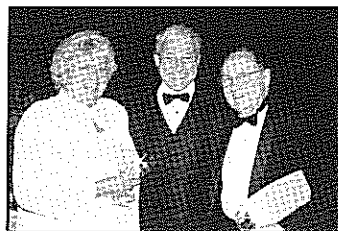
Luncheon with Congressman Greenwood. They will both send out "Dear Colleague" letters for the event.

At Congressman Greenwood's request, I met with the Nationwide Health Tracking Group and other congressional legislative staff to assist in drafting a bill to amend the Public Health Service Act (PHSA). This directs that the CDC create a health-tracking network to identify chronic disease clusters and attempt to correlate them with environmental pollutants. My major concern with this is that correlation is not causation, and correlation may create a group of "worried well" that could tie up our health care facilities.

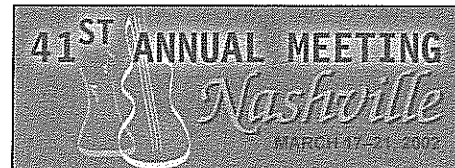
I spoke with Congressman Greenwood's constituent environmental group on the status of arsenic in drinking water and prepared a letter that was sent, under his signature, to these concerned constituents. I am closely monitoring the NRC peer review of this issue, have attended their meeting, and have also attended an EPA Scientific Advisory Board (SAB) meeting on the benefits of reducing the arsenic levels in drinking water.

Since my last report, I have had the privilege of attending a briefing on Climate Change by the Pew Organization, and congressional hearings on Bio-Weapons and Emerging Threats.

This assignment continues to be exciting and exhilarating, although it is very time and energy intensive.



Dr. Harry Salem (right), with Congressman James Greenwood and Judy Borger.



CALL FOR ABSTRACTS

You are invited to submit abstracts for presentations to the 41st Annual Meeting of the Society of Toxicology, March 17-21, 2002 in Nashville, Tennessee. You are welcome to submit abstracts for Platform, Poster, or Poster Discussion Sessions.

The Program Committee encourages electronic submission of 2002 Abstracts. **The deadline for electronic submission is midnight, Eastern Time, October 1**, and the fee is \$35. Simply go to the Society's home page and follow the links from the Annual Meeting button. Those wishing to submit hardcopy abstracts may do so on forms provided on the SOT Web site. **The deadline for hardcopy submissions is September 14**, and the fee is \$50.

If you have additional questions about submitting your abstract, please check the Annual Meeting portion of the SOT Web site, or contact **Michael McCoy** at SOT Headquarters, (703) 438-3115.

Did you know....

That the SOT Web site has a section devoted to special funding opportunities for toxicologists?

Check it out at:
www.toxicology.org

ANNUAL MEETING

NOTICE!

DATES FOR THE 2004 ANNUAL MEETING HAVE BEEN CHANGED TO AVOID A CONFLICT WITH AACR. THE MEETING WILL RUN FROM MARCH 21-25, 2004 INSTEAD OF THE FOLLOWING WEEK. PLEASE ADJUST YOUR CALENDARS!

In Memoriam



Ronald G. Thurman, Ph.D.

Arthur A. Wykes, Ph.D.



RONALD G. THURMAN

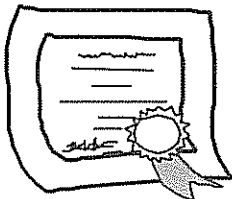
Submitted by John J. Lemasters

Ronald G. Thurman, a member of the Society of Toxicology and outstanding researcher in hepatic metabolism, alcoholic liver injury, and toxicology for more than 30 years, died suddenly at his home on July 14. Dr. Thurman was Professor of Pharmacology and Director of the Laboratory of Hepatobiology and Toxicology at the University of North Carolina where he was also an active member of the Curriculum in Toxicology and Center for Alcohol Studies. With Ron's untimely death at 59, we lose a most valued scientist, teacher, colleague, and friend. Please see the full tribute to Ronald Thurman by **John J. Lemasters** in the *Communiqué On-line*.



Are You Ready for an Upgrade?

How long have you been an Associate, Student, or Post-Doctoral Member of SOT? Is it time to upgrade your membership? SOT has several membership levels designed to meet the needs of toxicologists at every stage of career development. We encourage you to make sure you are receiving the most membership benefits possible. As your career becomes more established, it may be appropriate to move from Associate to Full Membership, or from Post-Doctoral Membership to Associate. For an evaluation of your current status, please contact the membership coordinator at SOT Headquarters. Remember, a full description of the benefits and qualifications for each category of membership can be found at www.toxicology.org.



Preserving our History

Please help SOT preserve a complete record of our history. Preparations for last year's 40th Anniversary Celebration served as a reminder of the need to build complete archives of the history of our Society. If you have copies of historical documents from the Society, early programs, or other materials, please consider donating them to the SOT archives. Please help us preserve and document the proud history of the Society of Toxicology! We are still missing:

- 1962 and 1963 Programs
- 1965 and 1972 Annual Reports
- 1962, 1963, 1965, and 1967

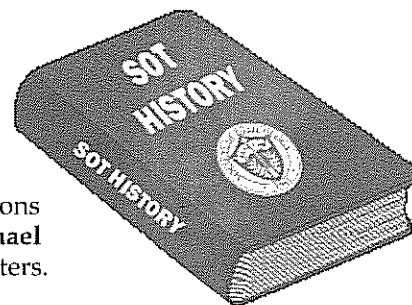
Abstracts

- 1965 and 1967

Directories

We would pay to have the item copied and return the original.

Contributions or suggestions can be forwarded to **Michael McCoy** at SOT Headquarters.



SOT WELCOMES NEW MEMBERS

The Society of Toxicology is pleased to welcome its newest members. The latest class of 183 new members of SOT have taken their places among us. Please see the complete list of new members in the Communiqué On-line.

Speakers Bureau Expanded

New speakers have been added to the SOT Speakers Bureau. Regional Chapters may request a presenter from the list for their chapter meetings and SOT will provide funding to cover the speaker's travel expenses. The Continuing Education Committee has enlisted these outstanding presenters from the courses offered at the Annual Meeting. This list is available on the SOT Web site at www.toxicology.org. Contact SOT Headquarters by phone at (703) 438-3115 ext. 118 or e-mail at sothq@toxicology.org to place your request. Funds are limited, so put in your request early.

Award Deadline

Nominations and/or Applications must be received by **October 9, 2001.**

Check the SOT Web site for descriptions.

Award Funds Provide Opportunities for Graduate Students

Submitting an application before the October 9th award deadline might be the passport to enhance dissertation research, as **Jason Biggs** of the University of Utah and **Victoria Richards**, University of Arizona, have learned.

As Jason reports, "This summer I received the Colgate-Palmolive/SOT Award for Student Research Training in Alternative Methods, which allows graduate student members of SOT a chance to enrich our scientific arsenal by funding training in laboratories other than our own. With this extraordinary opportunity, I visited the laboratory of **Dr. Ronald Hines** at the Medical College of



Jason Biggs

Wisconsin where I learned techniques to study gene regulation in human lung and liver cell lines. The main focus of this training was the design and transfection of tailor-made luciferase reporter constructs. However, I also gained invaluable knowledge in EMSA and DNase Footprinting. This is definitely an opportunity that I would highly recommend for all the graduate members of SOT."

The post-implantation whole embryo culture (WEC) technique is a useful method to investigate the mechanisms of toxicological endpoints as they pertain to maternal and fetal exposure. "**Dr. Craig Harris** at the University of Michigan kindly afforded me the opportunity to learn this technique in his lab," says Victoria. "I intend to use the WEC technique in the dissertation project that is designed to investigate the physiological and toxicological role of arylamine N-acetyltransferase (NAT) during mammalian development, a focus of my advisor **Dr. Charlene McQueen** at the University of Arizona. In addition, I was taught the technique of neural crest cell culture by **Melissa Beck**, a senior graduate student."



Victoria Richards

Both students expressed appreciation to SOT, the Colgate-Palmolive Company, and to their research hosts. The award provides \$2,500 to support training and resulting research using *in vitro* or alternative toxicology techniques that will enhance the student's dissertation research. Institutions may also apply for the funds to provide research internships. Check the Awards section of the SOT Web site for more information and application details.

Corporate Contributions...

Continued from page 3

products. In notifying the membership of this decision, Council wishes to make clear what its intentions were, and were not, in adopting this policy. First, the policy is focused solely on corporate financial sponsorship of the Society and the Annual Meeting, and should not be construed to reflect on individual scientists who work for these organizations. Council was unanimous in their expression of welcome to all individual scientists, regardless of source of employment, into our Society. SOT continues to welcome tobacco company scientists as active members of our Society, to participate in all SOT activities, present their research at the Annual Meeting, and publish their work in our peer-reviewed journals.

This decision was not made lightly—a vote occurred only after a full and complete discussion among the entire Council, who then voted in a way that they felt was in the best interests of SOT as an organization and our profession.

ALAN GOLDBERG WILL BE *IN VITRO* LUNCHEON LECTURER

The Animals in Research Committee announces that **Alan Goldberg** will be the guest lecturer at the Colgate-Palmolive *In Vitro* Luncheon for Students at the Annual Meeting in Nashville. His talk is entitled "The 3 R's of Alternatives: Humane Science—The Best Science." Dr. Goldberg, who has extensive experience and involvement in numerous efforts to promote the use of animal alternatives, received the SOT 2001 Award for the Enhancement of Animal Welfare. The luncheon will be held on Tuesday, March 19, 2002. Students can register for this event when they register for the Annual Meeting. There will be limited seating for this lecture so register early.



18,000 Students Return this Fall to *Toxicology in the Classroom*™

Eighteen thousand students will be examining exposure levels to household substances this school year to discover "What is Wrong with the Johnson Family?" This is an outcome of twenty-three professional development workshops for 524 teachers held in eight regional training centers over the past two years. The leadership teams for these workshops were trained through funding from the Toxicology Education Foundation (TEF).

TEF's mission is to provide educational programs to enhance public understanding of toxicology. Through *Toxicology in the Classroom*™, TEF is funding several projects. One of these is the *ToxRAP*™ Education and Training Program, conducted by the Environmental and Occupational Health Sciences Institute (EOHSI) at the University of Medicine and Dentistry of New Jersey (UMDNJ), in cooperation with Rutgers, The State University of New Jersey. TEF has provided \$150,000 to support training in and dissemination for the grades 3-6 module of *ToxRAP*™. The award-winning *ToxRAP*™ curriculum series, developed with grants from NIEHS, is an extensive set of classroom materials in three modules. Before implementing the curriculum, teachers are trained to ensure understanding of the content and comfort with the teaching modalities, both of which are designed to meet the criteria established by NIEHS and by the national science education standards.

Using relevant age-appropriate situations, data, and information about substances in homes, these materials develop problem-solving skills as students evaluate if the probable exposure level to various substances might impact health. The TEF-funded training is conducted in partnership with Community Outreach and Education Programs at NIEHS Centers of Excellence, with each center providing teams of teacher trainers. After attending training at EOHSI, the leaders conduct workshops for teachers in their region. As a bonus, EOHSI has received other grant support to enhance and expand this training.

Regional Education and Training Centers in the first two years of the program include Oregon State University, University of Arizona, UMDNJ, University of Southern California, University of Texas Medical Branch at Galveston, University of Wisconsin-Madison, Vanderbilt University, and Wayne State University. SOT Regional Chapters are encouraged to work with these regional teams to conduct workshops for teachers.

This work is dependent upon contributions to TEF. Gifts may be sent to TEF, 1767 Business Center Drive, Suite 302, Reston, Virginia 20190. Such contributions are deductible as allowable by law, and employers frequently match such contributions. For more information contact bettye@toxicology.org.



Toxicology is Part of the Solution

Students Want You for a "Lunch with an Expert"

The SAC is devising "Lunch with an Expert," and they want you! The involvement of students in SOT is crucial to the Society's future. In the past, the Student Luncheon at the Annual Meeting has been an ideal setting for students and other members alike to discuss scientific topics and career experiences, as well as enabling students to network. Unfortunately the Student Luncheon will not be a part of the Nashville meeting. However, the Student Advisory Committee (SAC) is enthusiastic about an alternative plan for students and other members to interact.

"Lunch with an Expert," is exactly that. The SAC would like for members of SOT to meet with a small group of students (approximately 10 to 12 students) for an informal discussion over lunch sometime during the Annual meeting. The date, time, and meeting place would be determined in advance by the "Expert." SOT has provided some funding for the event that can be divided among the "Expert" groups to help defray the cost of meals.

Students would choose an "Expert" based on common areas of interest provided by the host. If you

are excited about a particular area of toxicology, there are probably several students who are also interested!

If you are interested in being an "Expert," don't wait! So, get the word out about "Lunch with an Expert." If you have any questions, feel free to contact SAC members, **Ellen Cannady** (hollis@pharmacy.arizona.edu), **Michael Lumpkin** (lumpkinm@mail.rx.uga.edu), or **Udayan Apte** (audayan@yahoo.com) and keep an eye out for future information in the student section of the SOT Web site.

SOT Education Programs: Facts and Figures

Submitted by Ann de Peyster, Education Committee Chair, Kevin Driscoll, Education Subcommittee for Minority Initiatives Chair, and Elaine Faustman, Education Subcommittee for K-12 Education Chair

The SOT Education Committee and its two subcommittees, Minority Initiatives (SCMI) and K-12 Education (K-12), serve a broad range of constituents along the education continuum. Traditionally much of SOT's education efforts have focused on supporting graduate students and post-doctoral fellows studying toxicology. Long-range SOT priorities in recent years have also encouraged more initiatives to increase the recruitment of outstanding students who may be unaware of toxicology to pursue studies in toxicology. The SCMI, which was formally constituted in 1996, has also been recruiting promising young minority scientists into toxicology with significant effort directed thus far toward outreach to undergraduate students. Since the K-12 subcommittee was formed in 1997, this subcommittee has largely focused efforts on introducing toxicology principles and concepts to K-12 science teachers (and ultimately their students), and also providing support to regional chapter members interested in contributing to K-12 education (e.g., through classroom visits, science fair judging, etc.).

A large portion of the funding necessary to support all of these programs over the years has come from extramural, non-SOT sources, including federal agencies, private industry, and foundations. Currently about half of the combined budget of these education-oriented SOT committees comes from extramural sources. External support like this confirms that SOT is on track with its educational objectives. For example, both SCMI and K-12 subcommittees receive substantial support from NIH grants, both of which were recently rewritten by SOT members and staff to continue support of programs already in place. Happily we can report that both competitive renewals were successful, allowing these worthwhile programs to continue for several more years at least.

This year SOT Council charged the Education Committee/Subcommittees to undertake a "self study" with an eye to streamlining, reorganization and/or reprioritization of SOT education activities. As part of this, the committee/subcommittee chairs are reflecting upon the work of their committees, and are interested in sharing some of the facts and figures relating to committee activities over the years.

Since 1998-1999, through these committees, SOT and program sponsors have provided:

- Travel stipends for 205 graduate students to help defray expenses associated with presentation of their work at SOT meetings.
- Eight Graduate Fellowships and three Post-Doctoral Fellowships for research in toxicology.
- Travel/Research stipends for three graduate students to learn *in vitro* methods at other institutions.

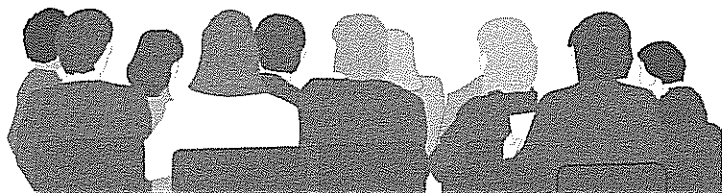
- Internship positions for at least 85 students at 22 sites matched through the SOT Internship listing.
- Distribution of toxicology career information, including the *Resource Guide to Careers in Toxicology*, to 4,000 undergraduate institutions annually.
- Responses to over 3,000 requests for applications, career materials, and toxicology curriculum information.
- Special minorities programs ongoing through SOT since 1989, with a total of 164 minority undergraduates out of 434 applicants in the past three years, representing over 30 institutions. Additionally, 31 academic advisors have attended and over 110 members have served as host/mentors. At least 40 students of the 800 attendees through the years have pursued careers in the biomedical sciences, many in toxicology.
- Support for 225 teachers of the total of 561 K-12 educators representing 354 different schools around the U.S. who have participated in the six "Paracelsus Goes to School" teacher education workshops at Annual Meetings since 1996. (Note: Although impact on K-12 students is hard to assess, these teachers typically report an average of about 100 students contacted daily, which indicates that a very large number of K-12 students are potentially reached through these educators.)
- Curriculum and other K-12 outreach ideas to an estimated 2,650 visitors to the K-12 Annual Meeting exhibit booth over the past four years.
- Encouragement and ideas to the many SOT members interested in interacting with K-12 students, including 133 "Paracelsus Goes to School" scientist mentors since 1996, and more recently, 14 SOT members willing to serve as regional chapter K-12 liaisons.
- Inspiration for 11 local "Paracelsus Goes to School" K-12 outreach workshops organized by 8 of the 17 Regional Chapters to benefit local K-12 teachers.

Aside from substantial extramural and SOT funding and staff support, what else does it take to provide these and other opportunities that benefit the many recipients of SOT's education efforts? It is virtually impossible to offer even a ballpark estimate of the countless hours volunteered by dedicated committee members and others recruited by them to be involved in some way in the planning, execution, and evaluation of these activities over the years. To all of them we offer our deepest appreciation!

Wanted: Host/Mentors for 2002 Minority Student Program

SOT needs you to serve as a host/mentor for a group of the minority undergraduate students and their advisors at the 2002 Annual Meeting in Nashville. The Education Subcommittee for Minority Initiatives is developing plans for the 2002 Undergraduate Education Program. Approximately 60 students and undergraduate advisors will investigate the field of toxicology, interact with poster presenters, learn about toxicology as a career, and explore options for graduate school.

The host/mentors arrive Saturday, March 16, 2002, and meet their groups during the evening opening



reception. Each group includes one or more toxicologist mentors, a peer mentor who has participated previously in the program, an advisor, and 4 or 5 students. Mentors are available through the end of the program on Monday to put the students at ease, discuss what a career as a scientist is like, answer questions, help students find the rooms for their sessions, review posters, and visit the exhibit hall and scientific sessions together.

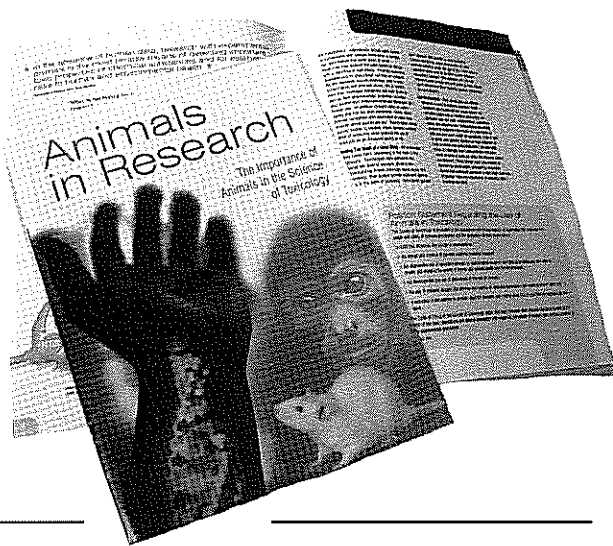
To volunteer for this rewarding opportunity, please contact:

- Joy Cavagnaro, jcavagnaro@accessbio.com, or
- Betty Eidemiller, SOT Headquarters, bettye@toxicology.org, Tel: (703) 438-3115.

The Minority Student Program is supported by SOT, a NIH-MARC grant, Pfizer, and Johnson & Johnson.

New Animals in Research Brochure Now Available on the SOT Web Site

The Animals in Research Committee announces the availability of the new SOT brochure explaining how toxicology research using animals protects human health and the environment. This brochure, *Animals in Research: The Importance of Animals in the Science of Toxicology* is available at www.toxicology.org – it can be reached through the Public Outreach menu option → Animals in Research. The brochure can be viewed On-line and is also available in a format to print.



Journal and Reference Book Discounts

Journals: SOT has arranged for members to receive discounted subscription rates to two journals being relaunched by Arnold Press. The journals are *Human and Experimental Toxicology*, now available to SOT members for \$366 annually, and *Toxicology and Industrial Health*, available for \$182. To receive your discounted subscription contact the Journals Marketing Department, Arnold, 338 Euston Road, London, NW1 3BH, UK. Telephone ++44 (0) 20 7873 6358 or E-mail: arnoldjournals@hodder.co.uk. Be sure to mention that you are a member of SOT.

Reference Books: Nature Publishing Group is offering members of SOT exclusive discounts on two reference books. Members can purchase the 3 volume *General and Applied Toxicology* for \$200, a 65% markdown from the \$575 list price. Members may also obtain the *Dictionary of Toxicology* for \$45 instead of \$130. To receive your discount contact Miles Refo, Marketing Assistant, Nature Publishing Group, telephone (212) 726-0205.

PLACEMENT SERVICES

Chairperson, Dept. of Pharmacology & Toxicology

Michigan State University invites nominations/applications for the position of Chairperson, Department of Pharmacology and Toxicology. The position offers the exciting opportunity of hiring new faculty and directing one of this university's essential basic science departments. Extensive educational and research interactions are possible given the unique affiliation of the Department with the Colleges of Human, Osteopathic, and Veterinary Medicine, and the research funding opportunities provided by the Michigan Life Science Corridor Research Fund. Candidates must have a Ph.D. or other advanced degree with an outstanding record of research in pharmacology and/or toxicology and must be a nationally recognized leader in their field. It is anticipated that the successful candidate will maintain an active, extramurally funded research program. The Department has major research emphases in the areas of cardiovascular pharmacology, neuropharmacology, inflammation/immune modulation and toxicology; preference will be given to candidates demonstrating excellence in one of these areas. A strong interest in professional and graduate education and demonstrated leadership and administrative skills is essential. Applications should include a statement of interest in the position, a *curriculum vitae*, and names of three potential references (not to be contacted until approval is received from the applicant). Electronic applications are encouraged but paper materials also will be accepted. Applications should be sent to: David I. Kaufman, DO, Chair of Search Committee c/o Kimberly Betts, Office of the Dean, A309 East Fee Hall, Michigan State University, East Lansing, MI 48824 bettski@msu.edu The deadline for receipt of these materials is October 5, 2001. MSU is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply. People with disabilities have the right to request and receive reasonable accommodation.

Senior Scientist, Toxicology

Xenogen Corporation is a new, exciting biotech company in the San Francisco Bay Area employing a patented technology to use bioluminescence to monitor infectious disease and cancer *in vitro* and in the living organism. We seek a seasoned Senior Scientist to play a critical role in our Toxicology Group. You will direct projects involved in the creation and/or utilization of new animal models for *in vivo* toxicological testing. You will also serve as the primary liaison for outside collaborations. Requires a Ph.D. or equivalent in Toxicology or other relevant life science, along with 5+ years of biotech/pharma/chemical industrial or relevant post-doctorate-level experience in *in vivo* mammalian toxicology. Demonstrated experience in designing/conducting pharmacokinetic, ADME, toxicity, and/or carcinogenicity testing in animals, methods of analysis and molecular biology. Hands-on experience with transgenic animals highly desirable. You should also have a working knowledge of current EPA/OECD guidelines for mammalian health effects testing and/or FDA guidelines for safety and toxicity testing for IND filings, and major pathways involved. Fax or mail CVs to: Human Resources Department, Xenogen Corporation, 860 Atlantic Avenue, Alameda, CA 94501; Fax: (510) 291-6146; www.xenogen.com; EOE.

Associate Director for Specialized Information Services, National Library of Medicine

The National Library of Medicine (NLM), a major component of the National Institutes of Health (NIH), is seeking exceptional candidates for the position of Associate Director for Specialized Information Services. The NLM is not only the world's largest medical library, but it supports and conducts research in a wide range of biomedical communication modalities and has information programs on such specialized topics as toxicology, environmental health, HIV/AIDS, and outreach to minority communities. The Associate Director for Specialized Information Services provides leadership in planning, developing, and administering a national program of widely used electronic information resources in the field of toxicology and environmental health information. In

addition, the Associate Director provides guidance and direction to other specialized information activities such as HIV/AIDS-related information and outreach to minority and under-served communities. To accomplish its mission, the Associate Director, who reports to the NLM Director, directs a highly professional staff of approximately 30 within the Division of Specialized Information Services, NLM. The scope of operation extends to all levels within the Department of Health and Human Services (DHHS) and requires extensive contact with representatives from other government agencies and private and professional organizations. **QUALIFICATIONS REQUIRED:** Applicants must possess a Ph.D., M.D., or equivalent degree in scientific disciplines related to the field of toxicology and environmental health. Applicants must have responsible professional and managerial experience at the senior level that demonstrates the following: 1. Scientific knowledge and expertise in the scientific discipline of toxicology, encompassing the chemical and biological effects of toxic and environmental agents, as well as a deep understanding of current information handling and dissemination methods. 2. Ability to provide leadership, administration, and broad vision to a toxicology and environmental information program with extensive managerial and executive level responsibility (i.e., training, resources, strategic planning, evaluation, budgeting, and human resource management) in a diverse organization. 3. Skill in leading, enabling, and defending change on complex scientific topics through effective written communication formats for a diverse scientific and non-scientific audience. 4. Ability to advise senior and executive-level staff within and outside of the organization on complex scientific topics. 5. Skill in the development and maintenance of web-based databases, specialized science information databases and systems. **SALARY:** The salary level is commensurate with the background of the selectee, approximately \$120,000 to \$160,000, depending on qualifications and experience. Please submit a *curriculum vitae*, bibliography, and a statement addressing the qualifications required for Announcement No. NLM-01-0047 to: Susan Burns, National Library of Medicine, National Institutes of Health, 8600 Rockville Pike, Building 38, Room 2N05, Bethesda, MD 20894. Applications may also be sent via e-mail to: susan_burns@nlm.nih.gov or faxed to (301) 480-4971. Any questions, please call (301) 496-4943. Applications must be postmarked or transmission received by September 17, 2001. NIH is an Equal Opportunity Employer.

Faculty Position, University of Arkansas for Medical Sciences

The Department of Pharmacology and Toxicology is recruiting a full-time tenure-track faculty member at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. or equivalent degree, post-doctoral training, evidence of research productivity, and a commitment to quality teaching of graduate and medical students. Applicants must have the potential to obtain extramural research funding. Individuals working in mechanisms of toxicant or drug action are encouraged to apply but other excellent applicants will be considered. Opportunities are available for collaborative research with faculty at UAMS, and with adjunct faculty at the nearby National Center for Toxicological Research. The specific area is open, but significant departmental strengths include hepatotoxicology, neurotoxicology, drug abuse, and signal transduction mechanisms. Significant strengths at NCTR include carcinogenesis and mutagenesis with emphasis on genomics, and proteomics. An excellent start-up package with laboratory space in a recently constructed building is available. Candidates should send *curriculum vitae*, a brief prospectus, and the names of three references to: Jack A. Hinson, Ph.D., Division of Toxicology, Department of Pharmacology and Toxicology, Slot 638, University of Arkansas for Medical Sciences, Little Rock, AR 72205. Applications should be received before September 15, 2001. Our Internet site is www.uams.edu/pharmtox/pharmtox.htm. UAMS is an Equal Opportunity Employer.

PLACEMENT SERVICES

GlaxoSmithKline joins together the talented people of Glaxo Wellcome and SmithKline Beecham to create the world's leading research-based pharmaceutical company. We're the market leader in four of the five largest therapeutic categories, with unrivaled global marketing strength and powerful R&D and Manufacturing capabilities supporting a research spend of \$4 billion and sales of \$24.9 billion annually. Best of all, the industry's greatest, most innovative minds are now assembled under one name. If your goal is to change the world with innovative medicines, now is the time to join our respected team. We currently have opportunities available in our state-of-the-art facility, located in suburban Philadelphia, PA.

Team Leader, DMPK, Pre-Clinical Drug Discovery.

You will use your leadership skills and scientific knowledge to provide direction to a matrix team which leads a multi-disciplinary drug discovery effort focused on cardiovascular and urogenital diseases and oncology. You will also serve on drug discovery teams to provide guidance and data in the areas of Drug Metabolism and Pharmacokinetics. We require a Ph.D. or equivalent experience in Chemistry, Biology, or Pharmaceutical Sciences with scientifically strong expertise in all DMPK concepts. Track record of innovation with evidence of scientific accomplishment and unique, specialist expertise in a scientific area related to DMPK is also required. (Job Code: 01-0249)

Investigator/Sr. Investigator, DMPK, Pre-Clinical Drug Discovery.

You will participate in *in vivo* pharmacokinetic studies, including protocol generation, study conduct, pharmacokinetic data analysis, and data reporting. You will also represent DMPK on Drug Discovery Program and Projects, and provide your internal expertise on a specialty area of DMPK. We require a Ph.D. in Pharmaceutics, Toxicology, Chemistry, Biology, or an equivalent field, in addition to up to 2 years of pharmacokinetics/drug metabolism experience. Sound understanding of the principles of DMPK is also required (i.e., pharmacokinetics, xenobiotic metabolism, PK/PD modeling, analytical methodology). (Job Code: 01-0365)

Investigator/Sr. Investigator, DMPK, Pre-Clinical Drug Discovery.

You will independently plan and perform analyses to identify and structurally characterize novel metabolites in biological (*in vivo* and *in vitro*) samples by LC/MS/MS. You will also troubleshoot instrumental and analytical problems, in addition to providing assistance to senior management for strategic development of drug analysis department by improving existing scientific practices, or recommending innovative technologies and instrumentation. We require a Ph.D. in Organic, Analytical, or Medicinal Chemistry, Biochemistry, or a related field, with 3 years of experience and a publication record demonstrating scientific accomplishment. Knowledge of the operation and maintenance of mass spectrometry instrumentation, especially quadrupole, TOF and ion-trap instruments is also required. (Job Code: 01-0368)

GlaxoSmithKline is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package designed to attract and retain the very best. For confidential consideration and efficient processing, please visit our web site: www.gsk.com. Indicating Job Code is essential for search. Principals only, no agencies please. Developing talent through equality of opportunity, M/F/D/V.

GRADUATE STUDENT VOLUNTEERS SOUGHT FOR 2002 CONTINUING EDUCATION COURSES

The Continuing Education Committee seeks graduate student volunteers to assist with continuing education courses at the 2002 Annual Meeting in Nashville, TN.

Three students are needed for each course. Responsibilities include attendance at an orientation meeting, preparation of materials the evening before the courses, collection of admission tickets, distribution of course materials, and collection of course evaluation forms on the day of the courses. In return, student volunteers are not charged for attending the course and will receive an additional perk such as lunch.

Interested students should contact:

Dr. Rosita J. Rodriguez

Tel: (541) 737-5786

Fax: (541) 737-3999

E-mail: rosita.rodriquez@orst.edu

2000-2001 Fiscal Year in the Black

Continued from page 3

operations was a deficit of nearly \$200,000, the investment income again resulted in the Society increasing its reserves. In 1999, the Society ended the year with a deficit of \$65,000 (after the investment gain had been recorded) and with investment losses coupled with operational net deficits, the Society ended the 2000 fiscal year with a loss of \$427,987. This brought the Society's reserves to 72% of operational expenses.

After the fiscal year 2000 audited financial report was presented to Council in September of last year, Council set to work trimming expenses, so as to keep within the SOT's financial policy of reserves of at least 75% of budgeted expenses. After specific cuts by Council, each committee was asked to reduce its budget by 10%. Many committees relied more heavily on volunteer labor, solicited sponsorships, and grants, and cut and deferred discretionary expenditures.

The SOT Council is extremely appreciative of the team effort that was taken to bring SOT's expenses back in line with its reserves. Though the belt-tightening exercise was tough, it resulted in Council and committees focussing on SOT's core business and re-prioritizing to provide financial support to programs in relation to their importance to accomplishing SOT's strategic objectives. Thank you to all who worked so hard to accomplish this.