



GETA NEWSLETTER

Vol. 27, No. 3

September 2006

*A publication of the Genetic and Environmental Toxicology
Association (GETA) of Northern California*

FALL SYMPOSIUM

"Green Chemistry: Coloring California Green"

Tuesday, October 17, 2006

**Elihu Harris State Building, Room 11
1515 Clay Street, Oakland, CA
(Near the 12th Street BART Station)**

Registration 12:30 pm to 1:00 pm

Introduction 1:00 pm to 1:15 pm

Speakers 1:15 pm to 4:00 pm

Discussion/Panel Session: 4:00 pm to 4:30 pm

Green chemistry is more than just safer chemicals. Green chemistry applies to biological as well as chemical systems, to synthetic pathways as well as to equipment design. The next GETA meeting will focus on green chemistry in California, including a brief description of the objectives of green chemistry and examples of green chemistry in use. Presentations will include the application of green chemistry to standards for green building materials and cleaning products, and alternatives to the toxic dry cleaning solvent perchloroethylene. There will also be discussion about a policy for green chemistry in California which will guide and promote green chemistry in the state. Green chemistry affects us all: from the chemicals we choose for cleaning our homes and clothes, to the buildings we work in and perhaps even the work we do. Come join us for an interesting afternoon that will provide a look into the future of "green" in California.

Seating is limited!

Registration Deadline October 13, 2006!

GETA FALL MEETING SPEAKERS AND TOPICS

Greening California State Buildings - What's Happening?

Richard Lam, Ph.D., Toxicologist
Office of Environmental Health Hazard Assessment, Cal/EPA

A Green Chemistry Policy for California

Michael P. Wilson, Ph.D., Assistant Research Scientist,
Northern California Center for Occupational and Environmental Health (COEH),
School of Public Health, UC Berkeley

Health Issues Associated with Alternative Dry Cleaning Chemicals (presentation with panel discussion)

Andrew Salmon, Ph.D., Toxicologist
Office of Environmental Health Hazard Assessment, Cal/EPA
James Collins, Ph.D., Toxicologist
Office of Environmental Health Hazard Assessment, Cal/EPA

Directions:

BART (recommended): Take the SF/Concord, SF/Richmond or Richmond/Fremont line (if you are on the Pleasanton/SF or Fremont/SF line you will have to transfer to one of the above lines). Exit the train at the 12th Street (Oakland City Centre) station. Go up to the exit level and take the center exit toward City Centre. Go up the stairs, past the fountain to ground level. Continue straight through City Centre (1 block). Cross over Clay Street and turn right. Cross 14th street. Go down ½ block and the entrance to the Elihu Harris building is on your left. (approximately 2 block walk)

Driving from Sacramento: Take Highway I-80 West, and then take I-580 East toward OAKLAND. Merge onto I-980 West toward DOWNTOWN OAKLAND and take the 14th - 18th Street exit, stay straight to go onto BRUSH Street. Turn LEFT onto 17th Street, turn RIGHT onto Clay Street and the Elihu M. Harris Building is immediately on the right.

Driving from San Francisco: Cross the Bay Bridge, stay in the middle right hand lanes and merge onto I-580 East toward OAKLAND. Merge onto I-980 West toward DOWNTOWN OAKLAND take the 14th - 18th Street exit, stay straight to go onto BRUSH St. Turn LEFT onto 17th Street, Turn RIGHT onto CLAY Street and the Elihu M. Harris (EMH) Building is immediately on the right.

Driving from Walnut Creek: Take Highway I-680 South merge onto CA-24 West, after the Caldecott Tunnel CA-24 West becomes I-980 West. Take the 14th - 18th Streets exit stay straight to go onto Brush Street. Turn LEFT onto 17th Street, turn RIGHT onto Clay Street and the Elihu M. Harris Building is immediately on the right.

Driving from Hayward: Take I-880 North merge onto I-980 East towards DOWNTOWN OAKLAND take the 13th - 17th Streets exit and stay in the right hand lane and go 2 blocks. Turn RIGHT onto 14th Street, continue on 14th Street to Clay Street; Turn LEFT onto Clay Street and the Elihu M. Harris Building is immediately on the left.

AC Transit: AC Transit buses stop within two blocks of the building. Contact AC Transit for schedules and fares.

Amtrak: Take Amtrak and then transfer either BART or AC Transit.

SEE MAP ON PAGE 4



President's Comments

.... by Inge Ivens

Do you know what **Green Chemistry** is? I have to admit, I do not – but we will learn about it in October at our Fall Symposium (see the announcement in this newsletter). Besides this last meeting of this year, we already had two successful meetings in 2006, organized by our President-Elect Amy Arcus. I very much enjoyed the fascinating presentations about aging at our spring meeting at Hs Lordship on the Bay and the great presentation at our Winter Dinner meeting.

After a relatively quiet summer the GETA Board has started to prepare for the next election. We will send the ballots by e-mail, so watch for the note and also keep your e-mail address up to date so I can reach you. Please provide updates by e-mail to Laurie Monserrat (LMONSERR@oehha.ca.gov).

The following positions are open for 2007:

Board Members

- *President-Elect*
- *Treasurer*
- *Membership Officer, and*
- *Placement Officer*

Steering committee

- *Business Representative*
- *University Representative*
- *Second Student Representative*

A list of all officers is on our website (<http://www.ems-us.org/geta>).

The Board has decided to replace the Placement Officer position with the function of a Web Officer since we think that is a more appropriate resource. This position can still place open position and related information on the web.

Last I would like to thank the current board members for their hard work, support and willingness to always be there when I need help and input. This year they have created a new web page, written and mailed the newsletters, provided support for the meetings and participated in several board meetings. I encourage the members to get involved in GETA and stay in touch with the Bay area toxicology community.

NEW GETA WEBPAGE!

GETA has a snazzy new look on its webpage. The Environmental Mutagen Society (EMS) continues to generously host our website. To get to the site, first go to the EMS website at

www.ems-us.org

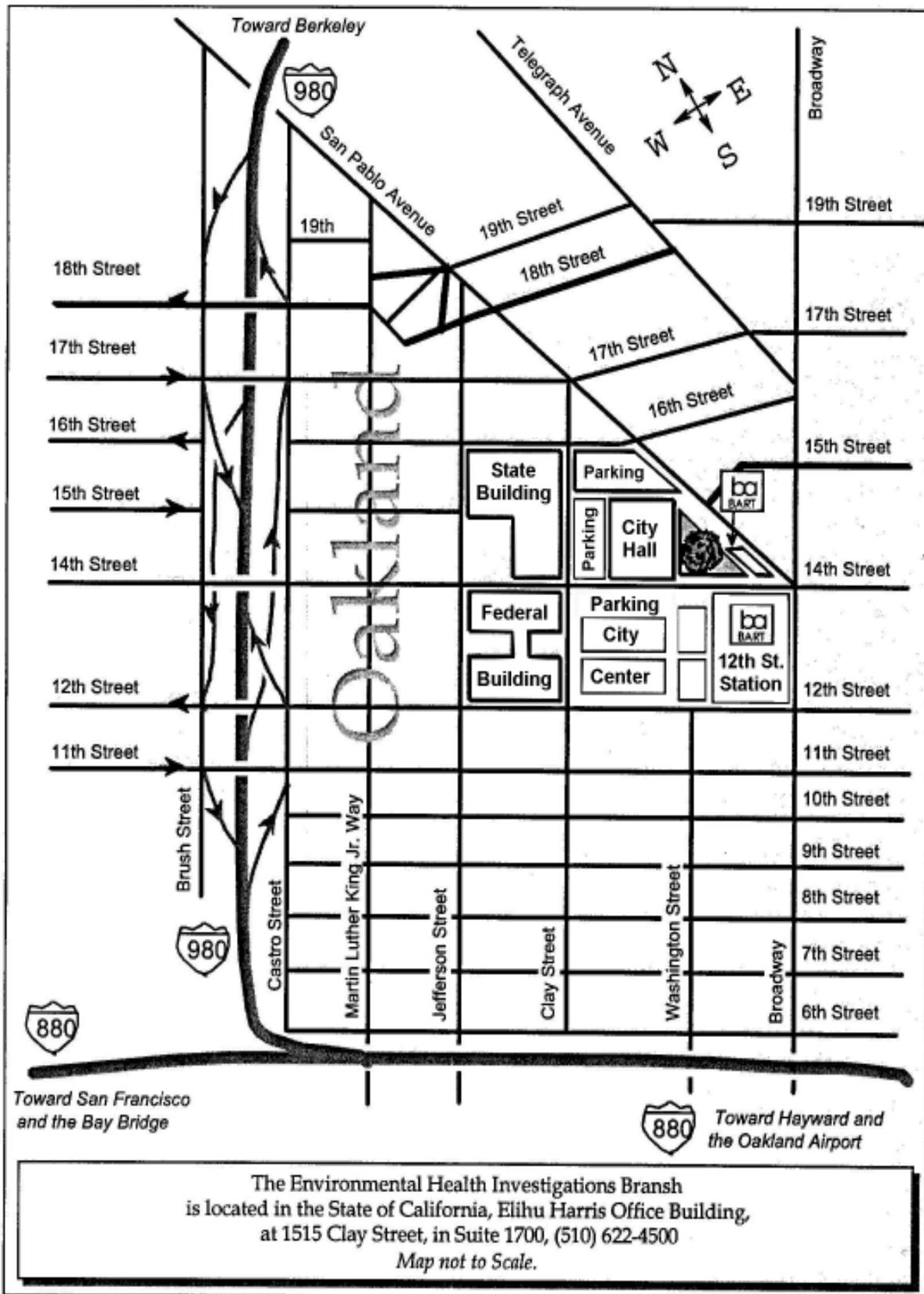
then choose **News & Resources** and **Powerpage**, and click on the link for **GETA**. While you're at it, peruse the EMS page and consider joining EMS!

2006 GETA Executive Board

The Executive Board is given the responsibility of determining all policy and business related to the Association. To this end, you are urged to contact any Board member with any suggestions you may have, concerns, meeting topics, and general business to be considered.

Officers (*Program Chair)		Phone	FAX	E-Mail
President	Inge Ivens	515-332-9272		ingeivens@aol.com
President-Elect*	Amy Arcus-Arth	510-622-3199		aarcus@oehha.ca.gov
Past President	Tom McDonald	415-778-4118		mcdonaldpartyof4@yahoo.com
Secretary	Linda Rausch	650-859-5008	650-859-2889	linda.rausch@sri.com
Treasurer	Marina Chiarappa-Zucca	925-422-2144	925-423-9014	chiarappazucca1@llnl.gov
Newsletter Editor	Linda Rausch	650-859-5008	650-859-2889	linda.rausch@sri.com
Membership Officer	Laurie Monserrat	916-327-7333	916-322-9705	LMONSERR@oehha.ca.gov
Steering Committee				
At-Large	Hanna Ng	650-859-3676	650-859-3444	hanna.ng@sri.com
Business	Bob Baldwin	408-245-6912	360-838-0888	DrBob@iname.com
University	Adrian Rodriguez	408-924-4846	408-924-4840	rodriaga@email.sjsu.edu
Government	Steve DiZio	916-255-6634	916-255-6657	sdizio@dtsc.ca.gov
Student/Postdoc	Andrew Olaharski	650-855-6569		andrew.olaharski@roche.com
Student/Postdoc	Rebecca Erickson	650-859-2049	650-859-3444	rebecca.erickson@sri.com

Map of the Oakland City Center Area





Symposium Review

...by Amy Arcus

The topic for the Spring Meeting was “Aging and Older Adults”. The four speakers provided very interesting information and recent research findings that led to thought provoking questions and stimulating discussions. Dr. Paola Timiras (UCB) led off the meeting with a presentation on neuroplasticity in older adults. She discussed ways by which the brains of older adults may compensate for decreased function, including the recruitment of neighboring neurons and the ability of the brain to reprogram itself (e.g., the visual cortex being activated by auditory stimuli in persons who became blind during adulthood).

The second speaker was Dr. Gordon Lithgow (Buck Institute for Age Research) who discussed insulin signaling, the regulation of the heat shock response, and cell cycle checkpoint

pathways in *C. elegans*, and why *C. elegans* is an excellent model for aging research. Following lunch, Dr. Andrew Olaharski (Roche – Palo Alto) presented his studies on yeast which showed that the flavoring agent dihydrocoumarin increases p53 acetylation and apoptosis, sensitizes cells to DNA damage, and targets for inhibition an enzyme associated with longevity (*sir2*).

The final speaker was Dr. Mary Ann Grecco (SRI) who discussed her studies in rats showing differing protein expressions between young and old in the brain during sleep. These findings, among other things, may tie in with neuroplasticity processes of older adults. The meeting wrapped up with a question and answer panel discussion. Attendees considered the meeting a true success.

GETA Past Presidents

1980	Anthony Carrano	1993	Jon Mirsalis
1981	Robert Hill	1994	Collette Rudd
1982	James MacGregor	1995	George Alexeff
1983	James Bartholomew	1996	Andrew WYROBEK
1984	Joseph Brown	1997	Rob Scofield
1985	James Felton	1998	Kim Hooper
1986	Caroline Sigman	1999	Janice Yager
1987	Martyn Smith	2000	Jim Cleaver
1988	Ann Burrell	2001	Steve Dizio
1989	Regine Goth-Goldstein	2002	Melanie Marty
1990	Carol Green	2003	Melanie Marty
1991	Charles Salocks	2004	Karen Steinmetz
1992	James Tucker	2005	Tom McDonald

GETA NOW HAS YAHOO GROUPS

GETA now has a YAHOO group. The URL for the GETA group is: <http://groups.yahoo.com/group/getamembers/>

Using the links on the left side of the screen, members can post messages, list files, create polls, etc. It's easy and best of all it's free. Using the “Members” link, members can access and edit preferences (some groups generate TONS of e-mail and people can choose a “digest version” with e-mail all grouped on a page, or no mail at all and read messages on the web.

The following message is sent to each new member.

Hello, Welcome to the getamembers group at Yahoo! Groups, a free, easy-to-use e-mail group service. Please take a moment to review this message. To learn more about the getamembers group, please visit <http://groups.yahoo.com/group/getamembers>. To start sending messages to members of this group, simply send e-mail to getamembers@yahoogroups.com. If you do not wish to belong to getamembers, you may unsubscribe by sending an e-mail to getamembers-unsubscribe@yahoogroups.com. To see and modify all of your groups, go to <http://groups.yahoo.com/mygroups>

Regards,
Laurie Monserrat, moderator, getamembers

The GETA Board has made suggested revisions to the GETA Constitution. Members will be asked to vote on these changes with the Ballot to be sent via e-mail. Please take the time to review these revisions. If you have comments, please contact GETA President, Inge Ivens. **WATCH YOUR E-MAIL FOR THE UPCOMING BALLOT FOR GETA OFFICERS!**

CONSTITUTION OF THE GENETIC AND ENVIRONMENTAL TOXICOLOGY ASSOCIATION OF NORTHERN CALIFORNIA

October 1, 1990
(As amended October 2006)

CONSTITUTION

Article I. Name

The Association shall be called the Genetic and Environmental Toxicology Association of Northern California.

Article II. Objectives

The objectives of the Association are to facilitate communications, to promote the acquisition of knowledge, to encourage research, and to address other aspects related to environmental and genetic toxicology.

Article III. Membership

Section 1. Eligibility

All persons who are active members of the Association at the time of adoption of this constitution automatically shall be considered active members as defined by the constitution. All eligible persons shall become members by completion of a membership application and full payment of dues.

Section 2. Classes of Membership

There shall be two classes of active members who shall enjoy equal rights: regular members and student members. Any person working, studying, or teaching in environmental and genetic toxicology is eligible for membership. The Executive Board has the power to grant memberships to individuals who do not meet these requirements.

Section 3. Membership Dues

The annual dues of each membership classification shall be determined by the Executive Board. Dues shall be payable within two months after receipt of the bill. Members in arrears for one year shall be dropped from the rolls, but shall be eligible for reinstatement on payment of current dues.

Section 4. Termination and Suspension of Membership

Except for nonpayment of dues, no member shall be expelled or suspended except by a three-fourths vote of the Executive Board.

Article IV. Executive Board

Section 1. Composition

The governing body of the Association shall be an Executive Board. It shall consist of the Officers of the Association and the Steering Committee.

Section 2. Presiding Officer

The President of the Association shall be the presiding officer of the Executive Board.

Section 3. Duties

The Executive Board shall determine all policy of the Association including amount of annual dues, publications and all committees excluding the Nomination Committee. The full Executive Board can, at its option, implement Association policy and programs.

Section 4. Quorum

There must be a quorum to transact business. Quorum shall consist of seven members of the Executive Board. A minimum of six affirmative votes are necessary to pass a motion.

Article V. Officers

Section 1. Officer Positions, Terms of Office and Duties

The Officers of the Association shall consist of the following positions.

(a) President

The term of the President shall be one calendar year, after which time the

President remains on the Executive Board as Past-President. The President shall preside at all meetings of the Association and Executive Board. The President shall appoint such committees and representatives as directed by the Executive Board or prescribed by the Constitution and By-Laws. Other committees and representatives may be appointed by the President as he/she sees fit. The appointments and activities of all committees and representatives shall be subject to review and contravention by the Executive Board.

(b) President-Elect/Program Chairperson

The term of the President-Elect shall be one calendar year, after which time the President-Elect automatically becomes President. The President Elect shall preside in the absence of the President at meetings of the Association and the Executive Board. The President Elect will serve as the Program Chairperson responsible for organization of all technical (as opposed to administrative) meetings of the Association during his/her term of office as President Elect. A program for meeting of the Association shall be presented by the Program Chairperson to the Executive Board for approval. Arrangements for the meeting shall be made by the Program Chairperson.

(c) Past-President

The term of the Past-President shall be one calendar year. The duties of the Past President are to provide advice and counsel to the Executive Board.

(d) Secretary

The term of the Secretary shall be two calendar years. The Secretary shall be responsible for keeping the records of the Association, and for calling all Executive Board Meetings, and keeping the minutes of the Executive Board Meetings and all General Meetings. Additionally, this position shall have the responsibility of maintaining the Constitution of the Association in their correct and updated form, and for collecting and tallying all amendments to the Constitution. Lastly, the Secretary shall be responsible for accumulating and organizing the pre-registration information and attendee checks prior to all General Meetings.

(e) Membership Officer

The term of the Membership Officer shall be two calendar years. The Membership Officer shall actively recruit and admit new members into the Association, accepting membership applications and dues payments, and regularly forward the latter to the Treasurer for deposit. This individual shall be responsible for the maintenance of the current membership rolls of the Association, to include name, address and electronic contact data, and shall supply this information to the Newsletter Editor as needed. However, it shall be the responsibility of each individual member to inform the Membership Office of any changes in his or her contact information.

(f) Treasurer

The term of the Treasurer shall be three calendar years. The Treasurer serves as the Chief Financial Officer of the Association, and as such has the responsibility of collecting and disbursing all funds necessary to properly conduct the business of the Association, by maintaining a checking account and a petty cash account. Additionally, the Treasurer shall be responsible for generating and maintaining the records of all financial transactions of the Association, and shall report the Association's financial status to the Executive Board at each of its meetings, as well as to the membership at General Meetings. Lastly, the Treasurer shall collect and deposit in a timely manner all on-site cash and checks collected at General Meetings, dues payments forwarded by the Membership Officer, and meeting pre-registration checks forwarded by the Secretary, as well as any other monies received by the Association.

(g) Newsletter Editor

The term of the Newsletter Editor shall be two calendar years. The Newsletter Editor shall be responsible for editing and publishing the newsletter.

(h) Web Site Officer **-NEW-**

The term of Web Site Officer is three calendar years. The duties of the Web Site Officer are to maintain any web site dedicated to the Association and to provide pertinent information about that site to the Newsletter Editor for inclusion in the newsletter.

(i) Placement Officer

The Placement Officer shall establish a placement service with requests for both positions desired and openings available. The Placement Officer will use the newsletter for any announcements of placement business. The Placement Officer will use all precautions in protecting the privacy of the individuals using the placement service.

Section 2. Succession

The President-Elect becomes the President automatically following the expiration of the President's term of one year. If the President is incapacitated, the President-Elect shall act as President.

In the event that both of the aforementioned are unable to discharge the duties of the office, Secretary, Membership Officer, Treasurer, Newsletter Editor, and Placement Officer shall succeed in that order. If the Secretary, Membership Officer, Treasurer, Newsletter Editor, or Web Site Officer is incapacitated or resigns, the Executive Board shall determine the replacement. Incapacity shall be determined by the Executive Board.

Article VI. Steering Committee

Section 1. Steering Committee Positions and Terms of Office

The term of office of all Steering Committee members is two years. The Steering Committee shall consist of the following positions.

(a) Student/Postdoctoral Representative No. 1.

The term office begins in even numbered years. The person should be an undergraduate, graduate, or postdoctoral student at a college, university, or a non-profit research institute.

(b) Student/Postdoctoral Representative No. 2.

The term of office begins in odd numbered years. The person should be an undergraduate, graduate, or postdoctoral student at a college, university, or a non-profit research institute.

(c) University Representative.

The term of office begins in odd numbered years. This person should be employed as a tenured or non-tenured faculty or research staff member at a college or university.

(d) Government Representative.

The term of office begins in even numbered years. The person should be employed by a federal, state, or local government agency.

(e) Business Representative.

The term of office begins in odd numbered years. The person should be employed by an intended-for profit organization; includes self-employed consultants.

(f) Member-at-large Representative.

The term of office begins in even numbered years. The person may be employed by any of the types of employers described above, but will represent the members of the Association.

Section 2. Duties

The Steering Committee shall be responsible for formulating and implementing Association policy and programs. The duties of each member of the Steering Committee are to provide advice and counsel to the Executive Board and to publicize the Association and membership therein within the respective areas of professional activity and practice of each member.

Section 3. Succession

In the event that a member of the Steering Committee is incapacitated or resigns, the Executive Board shall determine the replacement. Incapacity shall be determined by the Executive Board.

Article VII. Election of Officers and Steering Committee

Section 1. Nomination Procedures

Prior to June 1 in the year of his/her term of office, the President shall appoint and chair a Nomination Committee consisting of him/herself and three members in good standing who are not, at the time of this appointment, members of the Executive Board. The Nomination Committee shall seek candidates for the open offices from among the membership of the Association and obtain the agreement from each proposed nominee for his or her inclusion on the ballot. The Nominating Committee shall have nominations by October 1 and shall submit to the members through the Secretary and Newsletter Editor on or before November 1 a mail ballot for officers. The slate of officers shall consist of all open offices as stated in Articles V and VI for that year. Members may, by write-ins, vote for other individuals in addition to those shown on the ballot. The Nomination Committee shall make a best effort to find nominees for the President-Elect that are not from the same classification as the incumbent President-Elect.

Section 2. Conduct of the Election

Ballots may be distributed to members in person, via ground mail or by electronic mail. Completed ballots may be submitted by members to the President or his/her designate in person, by ground mail or by electronic mail. Regardless of the submission method used, the procedures used to handle and count the ballots must assure that no more than one ballot is counted from each member.

Section 3. Determining the Results of an Election

Ballots shall be returned to the President, who shall appoint tellers and notify candidates of the results. All candidates who receive a plurality of the votes cast for each office shall be declared elected. In case of a tie, the Executive Board, by vote, shall break the tie.

Article VIII. Meetings of the Association

Section 1. Meetings

The time and location of the meetings of the Association shall be determined by the Executive Board.

Section 2. Notices

Notice of each meeting shall be provided to each member at his/her address as it appears upon the records of the Association.

Section 3. Quorum

The members present at any general meeting of the Association shall constitute a quorum for transacting business.

Article IX. Amendments

Section 1. Voting for Amendments

This constitution shall be amended by an affirmative two-thirds vote of those members voting, provided notice of proposed amendments shall have been sent by the Secretary to each member at least three weeks before the vote on the amendments is to be tallied. Members may vote in person, by electronic mail or by ground mail. Ballots shall be returned to and tallied by the Secretary.

Section 2. Procedures for Amending

The Secretary shall send the members any amendments to the constitution recommended by the Executive Board or proposed through a petition from ten or more members of the Association.

Section 3. Effective Date of Amendment

Amendments shall become effective immediately after membership approval.

Article X. Duration and Dissolution

Section 1. The Association shall continue until a proposal for dissolution shall be passed by the Executive Board and approved by two-thirds of the membership of the Association. The Executive Board, after making provisions for paying liabilities, shall donate the remaining funds to a charitable organization approved by a majority of the Executive Board.

Article XI. Emoluments

Section 1. The Association shall not pay a salary to any officer, nor to any member of the Executive Board. Fees may be paid to consulting members of committees as approved by the Executive Board.

Registration Form
GETA FALL SYMPOSIUM

Tuesday, October 17, 2006
Elihu Harris State Building, Room 11

Name: _____
Address: _____

Phone: _____
Fax: _____
E-mail: _____

GETA Member? Yes No (circle one)
NorCal SOT Member? Yes No (circle one)

Registration Fee:

Regular Members: \$10
Students/Post Docs: \$15
Non-members: \$20

TOTAL ENCLOSED: _____

Send this completed registration form and check made payable to
GETA by Friday October 13, 2006 to:

GETA
c/o Marina Chiarappa-Zucca
Forensic Science Center
Lawrence Livermore National Laboratory
PO Box 808, L-178
Livermore, CA 94551-0808
Phone: 925-422-2144

You may also make reservations by **E-mail: chiarappazucca1@llnl.gov**
Please bring your cash or check to the meeting.



GETA MEMBERSHIP

(New or Renewing Members)

Name _____

Title _____

Affiliation _____

Address _____

Business Phone _____

FAX Number _____

E-Mail Address _____

Please give the above information as you would like it to appear in the On-Line Membership Directory.

RENEWING MEMBERS PLEASE TAKE A MINUTE TO UPDATE YOUR ADDRESS!!

New Member _____ Renewal _____ Check here if above address is new _____

Regular Member, 1 year	\$15
Regular Member, 2 year	\$25 <i>(save 5 bucks!)</i>
Regular Member, 3 year	\$35 <i>(save 10 bucks!!)</i>
Student/Postdoc, 1 year	\$ 7

Total Enclosed _____

Please send this completed form and check made payable to **GETA** to:

GETA Membership
c/o Laurie Monserrat
P.O. Box 863
Point Reyes Station, CA 94956

Phone: 916-327-7333

Fax: 916-322-9705

E-mail: LMONSERR@oehha.ca.gov

**GETA Newsletter
c/o Linda Rausch
SRI International PS-395
333 Ravenswood Ave
Menlo Park, CA 94025**

RENEW YOUR MEMBERSHIP FOR 2007!