

AIHA-NCS Monitor

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President's Message

Hello!

We've had a productive year at the AIHA-NCS section. We have made a conscious effort to improve section communication with the revival of the Monitor, creation of a social media chair, and 'behind the scenes' support from Geneve Vaccaro, the Assistant Website Master. In April, we had a successful technical Symposium on Laboratory Safety led by 3rd year Director, Michael Cooper. Attendance at IH Forums was also strong this year due to the efforts of David White, IH Forum Chair and Steve Derman, President-Elect. We are grateful to all of our vendors for their sponsorships that contributed to student scholarships year after year! Student memberships increased this year thanks to the outreach efforts of 2nd Year Director Ahleah Rohr Daniel. I am extremely thankful for the time spent by Board Members and volunteers, who collectively worked hard to support the AIHA-NCS section. As I transition to the Past President role, I'm ready to focus on working with Board members to optimize the AIHA-NCS section operations so that the valuable time spent by our volunteers is efficient and that members receive prompt and quality services.



Regards,

Jyoti Kumar, CIH
AIHA-NCS President

Become A Sponsor

Interested in becoming an AIHA-NCS Sponsor? We've introduced new Sponsor pricing this year to provide good publicity for your company online & at our events at affordable prices. A reminder the sponsorship funding goes toward our Student Award scholarships and local section operational costs. Please contact Jim Flores, Marketing Coordinator, for 2016-2017 pricing at (209) 481-4220 or jflores@falaboratories.com.

July Dinner Meeting

Annual Past-Presidents Dinner

Thursday July 14, at Michael's at Shoreline, Mountain View

Toxic waste spill from the Cananea copper mine and its impact on the community and environment

In August 2014, 11 million gallons of highly acidic waste water with high levels of heavy metals went into the watershed of the Rio Sonora close to the Arizona border from Cananea copper mine operated by Grupo Mexico. The waste spill went 220 miles down the river to the dam which holds the drinking water for Hermosillo, the state capital and a city of 1.5 million people. The impact of the spill was to contaminate well and surface water, poison agricultural land, kill livestock, and generate adverse health effects among the 25,000 residents of the river. Earlier this month, a group of 8 US health, environmental, labor and university professionals toured the river valley and visited communities still affected. We collected 400 health surveys (1,000 were distributed and more may come in) which indicate that there are serious health effects occurring 20 months after the spill that affect infants, children, adults and elders. Unfortunately the Mexican government and Grupo Mexico (the 4th largest mining company in the world with operations in the US, Mexico and Peru) have declared the crisis to be over and no further action is needed. The dinner meeting topic could be on the intersection of occupational, environmental and community health. Speakers are:

- David Bacon, photojournalist to show his photos and give the background
- Cadelba Lomeli, nurse practitioner, on the results of the surveys and interviews, continuing health effects and medical plans

At the meeting, there will also be a DWOI raffle.

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Membership

We are pleased to welcome several new members, student members, and re-welcome multiple returning members to our section. Our new members are **Karin Schroeter** (RGA Environmental), **Vikram Ramaswamy** (Liberty Mutual Insurance Group), and **Keith Swett** (TE Connectivity). New student members include; **Tashnia Hossain** (UC Berkeley) and **Abraham Parra** (Las Positas CC). Our returning members are; **Brooke Simmons** and **Rachel Zisook** from Cardno ChemRisk.

Please help us grow our membership and expand the professional experiences of your colleagues. Reach out to those that you know in the EHS profession and encourage them to join the AIHA Northern California Local Section. You don't need to be a National AIHA member to join. The Membership Application is available on the NCS website [<http://www.aihancs.org/registernewmembers.cfm>]. If you are a National member you can join the NCS at the time you renew your National membership.

Volunteer Opportunities

We are always looking for new ways to reach out to the community. If you are interested in volunteering or know of any opportunities please let Laurel Davis, AIHA-NCS Volunteer Coordinator, know at ladavis@ibl.gov or at (510) 610-7737.

AIHA-NCS Symposium – held on April 21

AIHA Northern California Section and MediSHARE Environmental Health & Safety Services presented the Annual AIHA-NCS Symposium on April 21, 2016 at the South San Francisco Conference Center.

The Symposium theme was Laboratory Health and Safety covered by varied group of speakers and attended by over 70 professionals. Kat Wentworth, the Chair of the Safety Culture Work Group at Lawrence Berkeley National Laboratory, covered Safety Culture through definition, employee driven initiatives & recognition, manager engagement, discussing in positive way, and proper message inclusion. Patty Beach, Principal at Harris & Lee Environmental Services, LLC, provided a Practical Guide to Laboratory Emergency Response Teams, covering defining teams, benchmarking, functionality within company, capabilities, training, and rewarding participation. Corey Briggs of Ramboll Environ spoke on laboratory health and safety auditing, having the audience participate in identifying multiple safety issues during a virtual survey of simulated research facility and staff. Jon Moldestad spoke on forensic safety through accident investigation and analysis, covering safety perceived and defined by various entities and criteria, varied definitions and consequences of accidents, properly investigating and analyzing accidents. Paula Lewis, Principal Consultant at BSI EHS Services and Solutions, covered assessing and prioritizing laboratory ergonomics from understanding and effectively managing laboratory ergonomics programs, reviewing examples and analyses, and overcoming barriers to implementation. Rob Kleinerman, Principal, Kleinerman & Associates Environmental Health & Safety, LLC, discussed recent revisions and practical applications of the ANSI Z9.11 Laboratory Decommissioning Standard, from overview of standard and stakeholders during decommissioning process, risk characterization, sampling and documentation, to needs analysis and scoping. Channing Sheets, Safety Engineer at Cal/OSHA, focused on the April 2012 laboratory meningococcal fatality, providing an overview of disease, case history, regulations and guidelines, and laboratory inspection findings and recommendations.



Many thanks to AIHA-NCS Annual and Symposium sponsors present:

- **Forensic Analytical,**
- **AEMTEK Laboratories,**
- **BSI EHS Services and Solutions (formerly EORM), and**
- **Prestige Lens Lab.**

AIHA–NCS Members Well Represented at AIHce in Baltimore

This year’s American Industrial Hygiene conference and exhibition in Baltimore was well attended by our local section members. Aside from work performed on numerous committees, our members presented, arranged and moderated at the various technical sessions as well as receiving awards for their accomplishments.

The most prestigious award that was given to one of our members was the William Steiger Memorial Award which went to Vickie L. Wells, MS, CIH, CSP; a former member of our Executive Committee. This award honors individuals from the social/political sphere whose efforts have contributed to advancements in occupational safety and health. Vickie is the Director of Occupational Safety and Health for the San Francisco Department of Public Health. She has worked for the City and County of San Francisco since 1987, providing testimony for the Board of Supervisors on regulatory issues and assisting city departments in developing and implementing occupational safety and health programs and policies. She received her MS degree in Environmental Health/Industrial Hygiene from the University of Cincinnati.

Serving our local section aside, Vickie has also served in leadership positions with the California Hygiene Council (CIHC), the National Advisory Committee on Occupational Safety and Health (NACOSH), and on the ACGIH Board of Directors (1999-2005) and as Chair (2004).



Vicki Wells receiving the William Steiger Memorial Award

Other AIHA-NCS members (apologies to anyone we may have missed) presented and/or arranged on the following topics:

AIHA-NCS Member	Topic
William Cyrs - <i>Presenter</i>	Benchmark Dose Modeling for Respiratory Irritation from 2,3-Pentanedione Exposure.
David Zalk – <i>Arranger</i> Kevin Milani – <i>Monitor</i>	IH/OH and the Future of University Curricula
David Zalk – <i>Presenter</i>	Building the Bridge: Where Research, Academia, and Global Practice Meet
Diana Harrington - <i>Presenter</i>	Lab Design, Construction, and Commissioning: Role of IH, Challenges, and Lessons Learned
Scott McAlister- <i>Moderator</i>	Women Leaders in the Occupational Safety and Health Movement
Harriet Burge - <i>Presenter</i>	A Review of the Health Effects of MVOCs
Steve Derman - <i>Moderator</i>	Occupational Exposure Banding in Industry and Emergency Response Applications
David Zalk - <i>Presenter</i>	Banding Strategies as a Key Component of Multidisciplinary EHS Teams
Patrick Owens - <i>Presenter</i>	Applications for Direct Reading Instruments at an Oil Refinery
Stephen Hemperly - <i>Moderator</i>	GHS in the Laboratory Environment: Impacts and Opportunities
Rob Kleinerman - <i>Presenter</i>	The ANSI Z9.11 Lab Decommissioning Standard: Recent Revisions and Practical Apps.
Brent Cooley - <i>Presenter</i>	Safety in the Arts: Caution—Creative Minds at Work!
Chris Laszcz-Davis - <i>Presenter</i>	The 7 Habits of Highly Effective Industrial Hygiene Leaders - The Self-Empowerment Habits.
George Bibbins - <i>Monitor</i>	Notable Confined Space Events and Issues

Developing World Outreach Initiative (DWOI)

Identifying Hazards in Beauty Salons in Lagos, Nigeria

DWOI Technical Project Report

By Karen Gunderson

In July 2015, the Developing World Outreach Initiative awarded a \$2000 technical grant focused on beauty salon safety to SRADev (Sustainable Research and Action for Environmental Development). The Nigerian based NGO focuses on environmental hazard research and education with the goal of promoting sustainable and safe development in Africa.

The SRADev staff worked closely with the Nigerian Association of Hairstylists and Cosmetologists (NASCHO) to complete the project. An association representative joined the study team and helped them identify beauty and nail salons for hazard evaluations. They surveyed over 20 beauty salons during the fall of 2015 and found that many workers were unaware of the hazards of the products they used, many shops had inadequate ventilation, and housekeeping was generally poor. Inadequate chemical handling, waste management and safety practices were common. In several shops, the practitioners' children were present and were also exposed to the salon chemicals.



SRADev team examines chemical content of beauty products in a respondent's salon at Eti-Osa Local Government Area.



A case of occupational health risk: a neglected child sleeping on a chair in a shop with opened cosmetic materials.

The SRADev staff then put on a train-the-trainer workshop in February 2016 to present their findings, provide information on hazardous materials in salon products and share safe handling practices. Over 30 people attended, including NASCHO leaders (future trainers) and some government officials. Each participant was given information on safety practices adaptable to their workplaces.



Participant Photo of Workshop Titled "Safe Cosmetics for Occupational Workers in Salons and Beauty Parlors in Nigeria"



Lagos State President of NASCHO during her goodwill message

At the conclusion of the seminar, the group discussed actions going forward. There were calls for greater participation from NASHCO to provide information to their members, including information on safety equipment such as first aid kits and PPE for salon workers. A goal identified was to get all beauticians registered which would lead to greater regulation and safety of their work. Also, the group identified a need for greater participation from the government. An environmental task force comprised of NASHCO and government officials will be formed to monitor businesses' compliance with standards. Finally, more media attention was needed to publicize cosmetics hazards and activities of NASHCO to protect the workers and the customers. The NASHCO leaders promised to carry on the trainings with their members in each locality using the modules provided at the workshop.



A cross section of participants during the presentations

A press release was issued at the time of the workshop that was shared on Radio Nigeria 2, online media, and newspapers:

A recent study released by Sustainable Research and Action for Environmental Development (SRADev Nigeria) under the auspice of the US-based Developing World Outreach Initiatives (DWOI) has revealed that very dangerous toxic chemicals in cosmetics are widely used in salons and beauty parlours despite their attendant health effects in disruption of nervous, respiratory, reproductive systems and lungs, kidney damage and inflammation of the skin and eyes to both salon workers and users alike....

A summary of the workshop was published online by the Enviro News Nigeria group:

<http://www.environewsigeria.com/study-shows-unsafe-chemicals-use-in-salon-products/>

Beauty salons are a huge business in Lagos and other parts of Nigeria and many beauticians and their employers are largely ignorant of the hazards in the products. This small grant by the Developing World Outreach Initiative helped lay the foundation for spreading information about these hazards in a systematic way, through the NASHCO, the Beautician Association in Nigeria. With this knowledge, the industry has a foundation for improving the safety of both the salon practitioners and their customers.

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Thanks to our 2016-2017 Sponsors:

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