

AIHA-NCS Monitor

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2014

March

2014 Technical Symposium – Industrial Hygiene and Health & Safety Challenges in R&D Environments

Thursday, April 24, 2014

8am – 5pm

South San Francisco Conference Center
255 South Airport Boulevard South San Francisco, CA 94080

<u>Topics</u>	<u>Speakers</u>
<i>Changing Safety Culture in the Academic Laboratory: Partnering for Real Improvements</i>	<i>James H. Gibson, PhD, MPH</i> Assist. Vice Chancellor of UCLA Office of Environment, Health and Safety and the UCLA Office of Emergency Management
<i>Preventing Occupational Exposure to Antineoplastic Agents and Other Hazardous Drugs</i>	<i>Thomas H. Connor, PhD</i> National Institute for Occupational Safety and Health (NIOSH)
<i>Aerosol Transmissible Disease Exposure Control Plan for R&D Laboratories</i>	<i>Trevor Michalchuk, Biosafety Officer</i> Genentech A member of the Roche Group
<i>Safe Handling of Antibody-Drug Conjugates (ADCs) in R&D</i>	<i>John P. Farris, CIH,</i> SafeBridge Consultants, Inc.
<i>Standard Operating Procedure Tools for Chemical Safety and Chemical Hygiene Plans</i>	<i>Ken Smith,</i> Laboratory Safety Manager University of California Office of the President (UCOP)
<i>Computational Toxicology: The Promise of an Answer to the Toxicity Testing Bottleneck</i>	<i>Marie C. Fortin, Ph.D., DABT</i> SafeBridge Consultants, Inc.
<i>Mobile Computing Challenges and Solutions in the Life Sciences Industry</i>	<i>Elise Condie,</i> Senior Consultant EORM

Early Registration Savings by April 18, 2014. Please visit <http://www.aiha-ncs.org>.

Public Transportation is available!

For more details, visit <http://www.ssfconf.com/public-transportation-mid>.

We hope to see you there!

President's Message

I can't believe it is March already. We "spring forward" this month and judging by the great weather we have been having in the Bay Area. Spring is almost upon us.

Living in the Bay Area constantly reminds me of the cultural diversity in the area we live and work in. I believe this is also reflected in our profession. While we are all industrial hygienists, however depending on the industry we work in, we may "speak" a different language.

This is the reason that being or becoming members of the local section is so great. Our members get an opportunity to interact, network and gain knowledge from our many colleagues and associates at our member events. Events like dinner meetings, technical tours, and our annual technical symposium. We also get to secure the future of our profession by direct interactions with both students and the community. This was the case during our recent Students' Night Dinner meeting at Massimo's in Fremont. It was an honor for me to meet and hear about the interests and research of both Cal Berkeley student Byron Hu as well as UCSF student Kristen Aiemjoy. I believe that the future of our profession starts at a local level and it is up to us to ensure its continuance.

I encourage that if you are interested to keep AIHA-NCS running, please think about either volunteering for any of the great chair positions or jump in with both feet and run for a position on the Executive Committee. We would love to have you!

And we can't make our contributions to the future of our profession without your support. If you haven't done so, please renew your membership. Please note that membership dues are were due on March 1st. Part of the membership dues goes toward paying for student scholarships and member awards. Please renew today if you haven't.

I want to give a big thanks to Neal Lester and Trevor Bausman. Our webmaster and assistant webmaster have been hard at work toiling away on the computer. Thanks to them, we successfully rolled out our new website just a few weeks ago. I know that it may be a while until all the kinks get worked out but I want to thank every for their patience during this time.

Terri Choe
AIHA-NCS President

Proposed Bylaw Amendments

The NCS Executive Committee has reviewed the Bylaws this year and has developed proposed changes to the current Bylaws. The proposed changes will be presented for a membership vote and approval in the March/April timeframe, concurrent with the annual membership vote and approval for open Executive Committee positions. The proposed Bylaw amendments include the following:

- Eliminating the qualification that Student members live or attend school within the geographical boundaries of NCS;
- Clarifying committee chair terms to greater than one year with re-affirmation by the President each year;
- Clarifying Governmental Affairs Committee Chair and Vice-Chair terms to two years (staggered);
- Specifying that the Treasurer transmit all funds and property to the succeeding officer at the annual July meeting;
- Clarifying the President-Elect office as a three year term (President-Elect, President, and Past-President);
- Specifying that both the Secretary and the Treasurer serve two year terms; and
- Requiring that a member making an unethical conduct referral not serve on the Ethics Committee for that case.

Call for 2014-2015 NCS Officer Candidates

The NCS Executive Committee will have two open positions starting in July 2014: the First Year Director position and the President-Elect position. Both positions are three-year commitments. The current Past-President, Colleen Thornton, is soliciting nominations from the NCS membership for these two positions. Please contact Colleen Thornton (colleen@hlnv.com) for more details if you have an interest in one of these positions or know someone who may be a great candidate.

Welcome New Members

We are pleased to welcome the newest members of our section!

- Ramsey Razik - Earth Resource Technology (Associate Member)
- David Sailer - Restoration Management Company (Associate Member)
- Kevin Plotkin - Associate Health Scientist with Cardno ChemRisk (Member)
- Rick Adams - Western Area Sales Manager with Casella CEL, Inc (Affiliate Member)
- Kathleen Navarro - Graduate Student at UC Berkeley (Student Member)
- Bryan Hodges - Health and Safety Analyst with Northrop Grumman Sunnyvale (Associate Member)
- Carolyn Garcia - USDA Agricultural Research Service (Associate Member)

Please help us grow our membership and expand the professional experiences of your colleagues. Reach out to those who 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 NCS membership application is available on the website [http://aiha-ncs.org/form.php?form_id=8]. If you are a National member you can join the NCS at the same time you renew your National membership.

AIHA-NCS Raffle for Patty's Toxicology!

Barbara Cohrssen, has graciously donated a copy of the 6th edition of Patty's Toxicology, a six volume set valued at \$2,700. Proceeds go to support your local section. Raffle Tickets are \$5 each or \$20 for 5 tickets. The drawing will be held at our July 2014 Past President's meeting. Thank you Barbara!

Purchase raffle tickets at meetings or [send](#) a check to AIHA-NCS c/o We Produce, 125 Connemara Way #141, Sunnyvale, CA 94087. In the information section of the check, please indicate "Raffle" and number of tickets.

A defining work in the field of toxicology, Patty's Toxicology has long been recognized as the premier reference for toxicological information on a large number of industrial chemicals that pose potential health hazards. The new edition provides updates for all chapters with new information and features about 40% new authors bringing a new and international perspective, 30 extensively revised chapters, and 5 new chapters.

New subjects in Patty's Toxicology, 6th Edition include nanotechnology, flavorings and the food industry, reactive chemical control to comprehensive chemical policy, metalworking fluids, and pharmaceuticals. Expanded chapters include benzene, aromatic compounds, smoke and combustion products from fires, mercury, radio-frequency and microwave radiation (cell phones) and wood dust. Data have been updated on both non cancer and carcinogenic risk assessment.

About the Authors

Eula Bingham, PhD is a Professor of Environmental Health at the University of Cincinnati College of Medicine. Dr. Bingham was the University of Cincinnati's Vice President and University Dean for Graduate Studies and Research from 1982-1990. She was Assistant Secretary of Labor for Occupational Safety and Health (OSHA) from 1977-1981. She contributed more than one hundred peer reviewed articles on occupational and environmental respiratory hazards; chemical carcinogenesis and related topics; and occupational and environmental health policy.

Barbara Cohrssen is President of Cohrssen Environmental, Inc. and is a Certified Industrial Hygienist and Registered Environmental Assessor. She co-edited the 5th Edition of Patty's Toxicology and Patty's Industrial Hygiene, 6th Edition; she is a recognized authority in the field of industrial hygiene, with over 30 years' experience in occupational and environmental health and safety. Ms. Cohrssen is a member of the American Industrial Hygiene Association, and American Academy of Industrial Hygiene. Barbara is also a Past-President of AIHA-NCS.

Volunteer Opportunities

The NCS has several openings for coordinator positions as well as other volunteer opportunities. If you are a new professional, this is a great opportunity to get involved and expand your network. For some of you seasoned professionals, you might want to give back and contribute to a profession that has served you well. Please contact Bob Nocco (rnoc@chevron.com) if you are interested in learning more about volunteer opportunities with the NCS.

January 9 Joint ASHRAE/SF ASSE Meeting Highlights

Continuing on our quest to conduct more meetings with our colleagues in other EHS and related professions, the January 9, 2014 meeting was held in conjunction with the Golden Gate Chapter of ASHRAE and the San Francisco chapter of ASSE at Spenger's in Berkeley. One of the largest meetings in recent memory, about 90 attendees gathered to meet and listen to our technical presentations. As all three organizations had to split time for association business, our usual agenda was shortened a bit: nonetheless, members from all three sections had the opportunity to network and learn about each other's disciplines.

As always, the executive committee met prior to the meeting to discuss section business. As mentioned before, the most significant challenge facing our section at the moment is the website: we are still transitioning to a new web host and should be up to speed restoring all the functionality (and more) of the old site soon. Given that, we really do appreciate ASHRAE for signing our members up through their website and to all of you for your patience while we make the transition.

Please note that members are always welcome to attend the executive committee meetings, which usually convene at 3:30 PM prior to the dinner meetings unless otherwise noted.

Our guest speakers for the January meeting were Tom Lopez of TSI, Inc., and John Martinelli of Forensic Analytical Consulting Services. Tom spoke about particle counting instruments and understanding their use and limitations in regards to the data they provide. John's discussion focused on how real-time data collection using laser particle counters can be used to evaluate HVAC filtration in addition to determining the effectiveness of engineering controls used to manage dust generated during construction projects.

Rob Kleinerman, CIH
President Elect

Successful Technical Tour of Kaiser Permanente's Redwood City Hospital

Many, many thanks to AIHA-NCS member Erica Stewart, CIH, HEM Principal Consultant of Kaiser Permanente NEH&S, Mark Srebnik, AIA Project Director of Kaiser Permanente, and Rudolph & Sletten construction representatives for hosting and leading the Technical Tour of the Redwood City, CA Kaiser Permanente hospital under construction last December 2013. AIHA-NCS members enjoyed getting an inside look at the environmental, health and safety design aspects of key hospital facilities such as, ventilation designs of patient isolation rooms, pathology, and pharmacy departments and safe patient handling equipment in patient rooms. Click on the link to see a video from the Kaiser Permanente website to get a sneak peek of the hospital under construction: http://www.youtube.com/watch?v=_y67u_qp7vs&feature=youtu.be.

2014 Student Award Recipients

The awardees for 2014 are **Byron Hu for the Tebbens Award** and **Kristen Aiemjoy for the Legge Award**.

Byron Hu is a MPH candidate at the UC Berkeley School of Public Health who is slated to graduate this May. The Bernard D. Tebbens memorial award is given by the AIHA-NCS as a tribute to Dr. Tebbens, a former professor of industrial hygiene at the U.C. Berkeley School of Public Health. The award is given for academic excellence to students who have completed at least one year in the U.C. Berkeley Environmental Health Sciences Program.

Kristen Aiemjoy is a May 2016 Ph.D. candidate who is pursuing a degree in Epidemiology at University of California San Francisco. The Robert Legge Student's Award is given by the AIHA-NCS in honor of Dr. Legge, a former professor of industrial hygiene and university physician at the University of California. The purpose of the award is to commemorate Dr. Legge's contributions to the fields of occupational medicine and public health and to support and encourage the study of Industrial Hygiene in the Bay Area.

DWOI's Year End 2013 Report

By Garrett Brown

A series of three trainings in Asia supported by NCS' Developing World Outreach Initiative (DWOI) last fall capped a very busy year for DWOI that included, altogether, seven OHS trainings, 4 technical projects grants, and shipment of IH equipment, physical and electronic IH reference books to nearly a dozen countries in Asia and Africa. The charts below summarize the accomplishments of DWOI's work in 2013. The trainings and small project grants were made possible by funding from DWOI, national AIHA, and the Maquiladora Health & Safety Support Network.

Metal worker training in the Philippines

In October, the Metal Worker Alliance of the Philippines (MWAP) organized an occupational health and safety workshop for 30 workers from 12 companies, including three from steel plants, seven from auto and auto parts plants, and two from electronics plants. The participants included union OHS officers, members of joint labor-management plant H&S committees, regular and contract workers.

Two trainers from the Institute for Occupational Health and Safety Development (IOHSAD) conducted the seminar held in Villa Julia in southern Tagalog. Discussed at the workshop were common workplace hazards (chemical, physical ergonomic), occupational illnesses, accident prevention, medical surveillance, and effective plant-level H&S committees.

Silicosis awareness in India

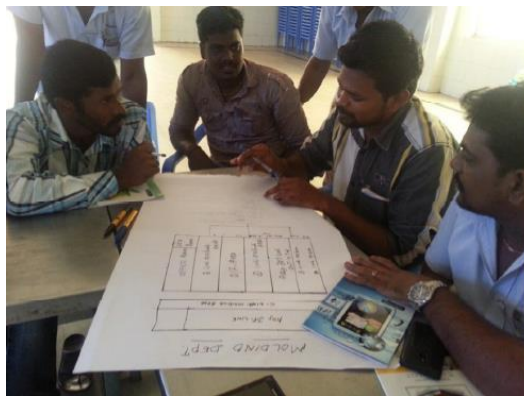
In November, the Mallarpur Uthanu organization in West Bengal, India, conducted a silicosis awareness workshop with 45 stone miners and crushers from the four stone mine regions of eastern India – the Mohammed Bazaar, Rampurhat, Nalhati and Muraroi mining belts. In addition to stone laborers, some of their family members attended to learn more about silicosis and related diseases.

The workshop provided information on dust-related diseases and their signs and symptoms; legal issues related to workers compensation and employers' responsibility to provide safe and healthy workplaces; and low-cost, low-tech dust control measures that can be implemented to protect stone miners and crushers. Presenters included officers and activists from Mallarpur Uthanu and a local pollution control engineer.

OHS for electronics workers in India

In December, Civedep India teamed up with the Asia Monitor Resource Center (AMRC) and the Asian Network for the Rights of Occupational and Environmental Victims (ANROEV) to put on an OHS workshop for 24 workers in a Foxconn factory in Chennai, India. The electronics workers for the Taiwanese supplier plant for Nokia cell phones included employees from the Assembly, Moulding, Painting and Quality Control departments.

More than 25,000 electronics workers live in and around Sriperumbudur, where many factories produce consumer products for global electronics companies. Foxconn is best known in the U.S. for its poor working conditions in Chinese plants supplying Apple that have been widely reported by major news media.



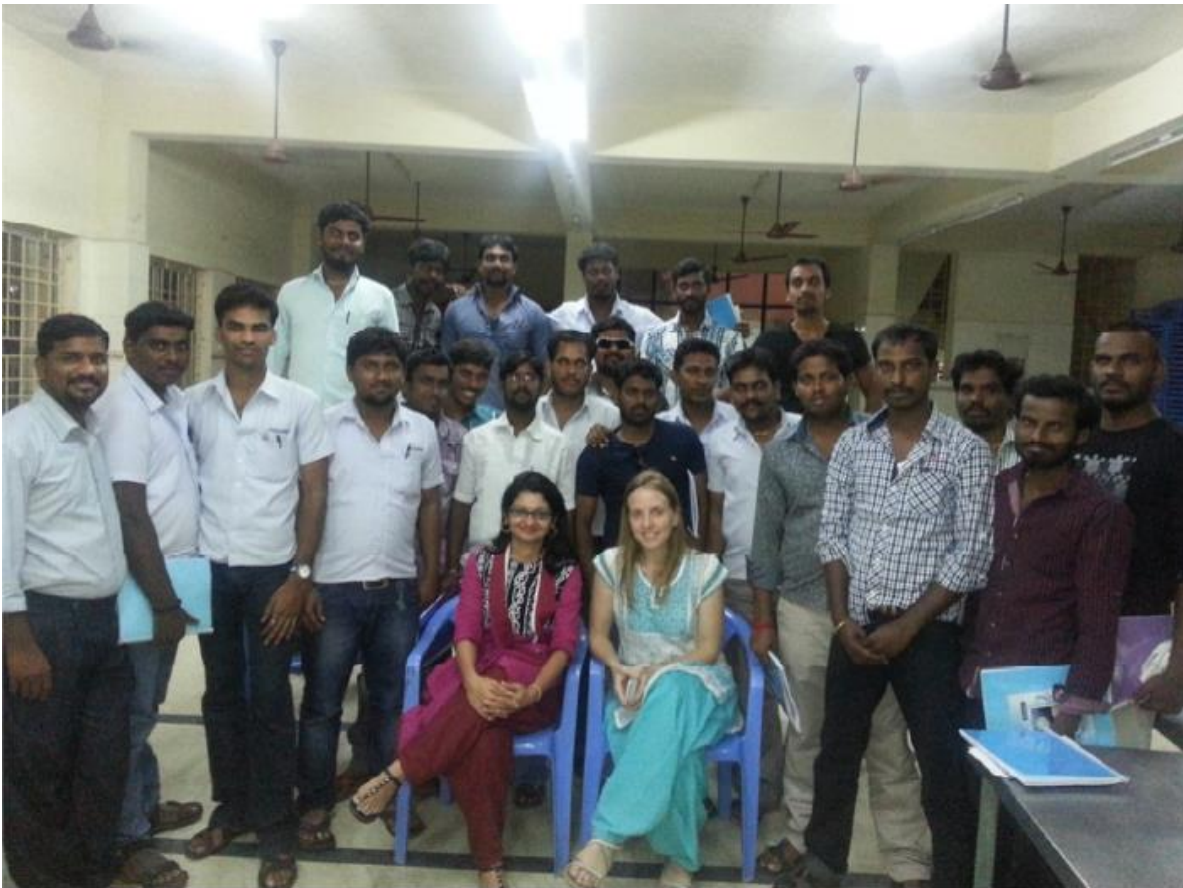
Workers preparing hazard map of their factory.
Civedep Electronics Worker Training (India)

The topics of the training included chemical exposures and health effects, noise, ergonomics, Indian OHS and labor laws, and principles of hazard control. The instructors included OHS coordinators from AMRC and ANROEV, organizations with which DWOI has formal partnerships.

The training was conducted in the Tamil language and participants were given a Tamil version of the AMRC's "Manual on Occupational Safety and Health," which was adapted from materials first developed by MHSSN and UC Berkeley's Labor Occupational Health Program (LOHP).

In addition to the OHS trainings and small project grants supported by DWOI in 2013, DWOI helped coordinate the delivery of donated industrial hygiene equipment to universities in Indonesia, India and Grenada. Lauren Geddes of Gulfstream Aerospace Corp and Randy Cook of the NCS worked to supply IH pumps to the University of Indonesia, where Karen Gunderson is helping teach IH courses; and Doug Dowis of SKC facilitated the donation of equipment to universities in India and the Caribbean island of Grenada, as well as servicing the equipment sent to Indonesia.

DWOI submitted proposals in December to national AIHA to continue the OHS trainings, technical project grants and the reference book shipments in 2014, and is awaiting word from AIHA HQ. NCS members can help maintain these DWOI projects with tax-deductible contributions to "New Ways to Work," P.O. Box 124, Berkeley, CA 94701. Contact DWOI coordinator Richard Hirsh at rhirsh@nektar.com for information on the next meeting and to get involved with DWOI! New members are welcome and greatly encouraged to participate.



Training Participants with AMRC and Cividep staff.

DWOI-Supported OHS Trainings in 2013

Date	Organization/Location	Topic/Participants
January	Mine Labour Protection Campaign, Rajasthan, India	Legal seminar for attorneys and administrative law judges related to mine workers
February	Association for the Rights of Industrial Accident Victims, Hong Kong	OHS basics for local trade union leaders
February	Self-Empowerment Center, Chongqing City, China	OHS awareness seminar for migrant workers
February	Occupational and Environmental health Network of India, Madhya Pradesh, India	Workshop for stone workers with silicosis on their legal and compensation rights
October	Metal Workers Alliance of the Philippines, Philippines	OHS workshop for metal workers in steel, auto and electronics factories
November	Mallarpur Uthanu, West Bengal, India	OHS workshop for stone miners and crushers
December	Cividep India, Sriperumpudur, India	OHS workshop for electronics workers

DWOI-Issued Technical Project Grants in 2013

Location	Organization	Project Activity
India	Jeevan Rekha Parishad	Assess and reduce silica exposures to stone crushing workers
Kenya	University of Nairobi	Evaluation of air and blood lead levels in battery manufacturing/recycling plants
India	International Union Against Tuberculosis and Lung Disease (on behalf of BPBS)	Assess and reduce lung disease among loom weavers
Indonesia	Local Initiative for OSH Network-Indonesia (LION)	Assess asbestos exposures and conduct medical surveillance for asbestos manufacturing workers

DWOI Shipments of Industrial Hygiene Books and Equipment

Materials	Location of recipients
Physical books	Chile, Grenada, Nigeria, Sudan, and Tanzania, Turkey
Electronic resources	Afghanistan, Chile, India, Kenya, Mozambique, Nigeria, Suriname, Tanzania, and Zambia
Industrial Hygiene equipment	Grenada, India, and Indonesia

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