

# Ohio Valley Section



## 2004 Symposium Summary

The following is a summary of the upcoming 2004 Symposium. The symposium is a great outreach for the local section as well as a contributor to our financial well being of the Ohio Valley Section. Please forward this information to any realtors you may know.

### The Symposium:

This is the 17<sup>th</sup> annual technical presentation by the Ohio Valley Section of the American Industrial Hygiene Association. In 1995 it was named the "Marilyn B. Jones Symposium." The late Ms. Jones, past president and past symposium chair, was a long-time member of the National AIHA and OVS Local Section.

### Who should attend:

This symposium is designed for health, safety and environmental professionals who deal with real property; real estate professionals, agents, brokers, and appraisers working with residential and commercial property; persons involved in property remediation.

### Objectives:

After attending this symposium, participants should be able to:

- Identify likely chemical and biological hazards associated with real property
- Recognize health risks associated with exposures to these hazards
- Discuss the roles of various government agencies in environmental hazards associated with real estate
- Describe current methods and procedures for detection of environmental hazards
- Identify the role you can play in risk evaluation and remediation

## Environmental Hazards in Real Estate:

### Residential and Commercial

#### Case Studies on:

#### *Mold in Properties*

*(plus New ASTM Standard)*

#### *Lead Shot Contamination*

#### *Radon Evaluation & Control*

#### *Mercury Contamination*

## 7<sup>th</sup> Annual Marilyn B. Jones Symposium

Presented by:

The Ohio Valley Section of AIHA and the University of Cincinnati

at the Kehoe Auditorium, Kettering Laboratory

1 ABIH (IH) CM Point Applied For

### AGENDA

- 7:30 – 8:00 Continental Breakfast and Registration
  - 8:00 – 8:10 Welcome and Overview
  - 8:10 – 8:50 Real estate environmental Pitfalls from an agent's perspective - **Jennifer Black**, ReMax Plus
  - 8:50 – 9:30 Update on Due Diligence, **Barry Franz**, Civil & Environmental Consultants, Inc.
  - 9:30 – 10:00 **BREAK/Exhibits**
  - 10:00-10:40 Water intrusion and Mold Hazards, **Steve Bostwick** Bostwick Forensic Architecture
  - 10:40 – 11:10 Geologic Hazards in Real Estate, **Tim Agnello**, Geologist
  - 11:10 – 12:00 Lead shot problems in real estate, **Steve Renninger**, U.S. EPA Region V
  - 12:00 – 1:00 LUNCH/Exhibits
  - 1:00 – 1:40 Radon hazards in real estate **William Brink**, Ohio Department of Health, Bureau of Radiation Protection
  - 1:40 – 2:20 Mercury hazards and remediation, **John Sherrard**, Environmental Engineer, Tetra Tech EM Inc.
  - 2:20 – 2:50 **BREAK/Exhibits**
  - 2:50 – 3:30 Mold remediation case study, **Linda and Ralph Froehlich**, Helix Environmental
  - 3:30 – 4:10 Legal aspects of environmental hazards, **Wes Newhouse**, Lane, Alton & Horst, LLC
  - 4:10 – 5:00 Questions & Answers
- Panel**

## 2003 Symposium Summary

The OVS in conjunction with the University of Cincinnati Continuing Medical Education presented the 6<sup>th</sup> annual Marilyn B. Jones Symposium on August 22, 2003. 33 participants and 6 vendors attended the symposium.

One participant of the Biological and Chemical Terrorism Recognition, Evaluation and Control Symposium said, *This was a great symposium, every speaker hit a home run*

Presenting the **Recognition** aspects were James Dain Lee, P.E., of WMD Preparedness, and Kenneth Martinez, M.S., of NIOSH. Mr. Lee's presentation was entitled *Chemical and Biological Weapons*, and illustrated examples of chemical agents including nerve, blister, blood, and choking agents, as well as biological agents including anthrax, smallpox, plague, hemorrhagic fever, and others (Hanta virus and hoof and mouth). For most agents Mr. Lee detailed a delivery system, symptom of exposure, and a terrorism scenario. Mr. Martinez's presentation was entitled *Anthrax: Environmental Sampling*, and gave a chronological order of the 2001 Anthrax events (Florida, New Jersey, New York, and Washington, D.C.). Mr. Martinez provided insight into sampling purpose, preparation, collection, protocols, types of samples, field validation, sample transport, analysis, and the Laboratory Response Network. He also provided information on the sampler personal protective equipment and decontamination procedures.

**“Chem/Bio Attack: The delivery of a chemical or biological weapon against a chosen target in a manner intended to cause as much damage or disruption as possible and to confound any means of defense”**

Presenting the **Evaluation** aspects were Tim Oppelt, M.S., M.B.A., Director of EPA National Homeland Security Center, and Emory Sarver, Chief of the Technical Integration Office, Edgewood Chemical Biological Center (ECBC), Aberdeen Proving Grounds. Mr. Oppelt's Presentation was entitled *EPA Role and Approach for Environmental Detection*, and included detection of agents in various media, but focused on water distribution. Mr. Oppelt gave insight into research for the treatment of contaminated water sources, as well as extent of the problem of protection of water distribution system, an extensive infrastructure (17,000 miles in Cincinnati). Dr. Sarver's presentation was entitled *Detection of Chemical and Biological Agents*, and included an overview of ECBC, their training offerings, and

extensive detail in the equipment testing that ECBC conducts. Testing includes NIOSH-type certification for protective clothing, respirators, and detectors; Dr. Sarver used his time to detail the test protocols, detector types and certifications.

Transitioning from **Evaluation** aspect into **Control** aspects presenters were Todd Jordan, M.S.P.H., OSHA Health Response Team, Salt Lake City, and Ken Mead, M.S., P.E., NIOSH Division of Applied Research Technology, Engineering and Physical Hazards Branch. Mr. Jordan's presentation was entitled *Anthrax eTool*, and detailed the development, step-by-step use, how to obtain updates, application in other emergency response situations, and some valuable “lessons learned” from the 2001 Anthrax incidents. Mr. Mead's presentation was entitled *Detection and Control of Biological Agents from a Facility Perspective*, and provided a very practical engineering approach to filtration and air cleaning systems, and building protection. For more information on Ken's topic, each participant's packet contained NIOSH Publications 2003-136 and -139.

From a participant: *I had no idea these resources were available, I'm amazed at the work the various agencies have accomplished!*

Presenting **Control** and **Community Readiness** aspects were Amy Kressel, M.D., Director Infection Control, University Hospital, and Eric Qualkenbush, B.A., Director, center for Terrorism Preparedness, University of Findley. Dr. Kressel's presentation was entitled *Medical Response Following a Biological Terrorism Incident*, and provided insight into what constitutes an outbreak, the medical and community infrastructure, and ways to distinguish a bioterrorism from an infectious disease outbreak. Mr. Qualkenbush's presentation was entitled *How well prepared are we, and what needs to be done?* provided information about the 14 Public Health Centers for Bioterrorism Preparedness, provided additional terrorism scenarios, and detailed how to protect a business or organization. Eric used his CIA experience to detail the methods (engineering, awareness, audits, threat management, and response planning) to deter or react to terrorism. A panel discussion, attended by several of the presenters, allowed the audience to have their questions answered and provided some stimulating interactions on future needs, and how industrial hygienists can assist if there were a terrorism incident.

Chemical and biological terrorism is a topic many people are afraid to or do not want to learn about, participants at his symposium learned some eye-opening scenarios, but also brought away practical and valuable tools for the recognition, evaluation and control of terrorism. The presenters commented that the symposium brought together invaluable new resources that expanded their networks. The symposium was a technical success, but failed to bring this valuable information to a wider audience.



## Ohio Academy of Science state-wide Science Day

This year, for the fourth time since 1997, the OVS offered an award for projects at the Ohio Academy of Science state-wide Science Day. This is the culmination of hundreds of science fairs held at local and district levels all over Ohio.

Our award, this and past years, was offered for an "OUTSTANDING PROJECT DEMONSTRATING, OR EVALUATING CHEMICAL SAFETY AT HOME, SCHOOL, OR ON THE JOB". We offered a \$1000 bond for first level, and a \$500 bond for second. Each student and his/her teacher will receive an OS&H text. The title chosen this year is "The Dose makes the Poison", by Alice Ottoboni. The students and their project Titles were:

1st - Charles M. Able, Junior, Akron St. Vincent St. Mary HS, "A Study of Protein as a Flame Retardant" Common gelatin is a flame retardant.

2nd - Mikeala V. Meachem, Senior, Canton McKinley HS, "Burn Baby, Burn" - Fabric softeners make garments more flammable.

3rd - Joshua T. Bohl, Freshman, Bloom Carroll HS, "Which is the Best Drain Cleaner?" - A comparison of common and home-made (or lab made) drain cleaners.

As one can see from the titles, the projects had little bearing on OS&H. The Board decided not



to grant our full awards since the projects bore little, or no relevance to the award title. Instead, we decided to give three levels of gift certificates to a chain bookstore to the three students, and the text mentioned above in recognition, at least of their efforts.

All in all, a frustrating experience for the fourth time. Only one project during that time came close to our stated title. That was last year when we gave full award to a project entitled "A study of temperature and insecticide toxicity on the fat-head minnow"

What was especially disappointing in all the past four times we have offered an award, was that none of the students had any idea who we were, and why we would offer such an award. One of the students this year, was from the same school, class and teacher as the first prize winner from last. One might expect his teacher, who certainly knew who we are this year, would have given the student some clue.

There is some hesitancy, at least on my part, to repeat this next year.

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### **From the President**

I would like to thank Alan Weinrich for the great job he did helping me with the planning of the local section meeting. Alan planned the topics and speakers. I think he did a great job. Thank you Alan.

A recap of the past years activities include:

- September meeting "Occupational Health Aspects of West Nile Virus"
- October meeting "Impact of lawsuits on the current and future TLV process"
- November meeting "AIHA and You: A Power Partnership"
- December meeting "Vendors Night"
- January meeting "Perspective on a 'Small' Problem: Assessing exposure to Ultrafine Particles"
- February meeting "Hand wipe disclosing method for the presence of Lead"
- March meeting "The Future of Occupational Health and Safety in the United States" – John Howard and John Howard
- April meeting "Highlights from the US-Canada Task Force's Interim and Final Reports on the 2003 Blackouts" – Joint

meeting with the Cincinnati Radiation Society

- May meeting "Silica: Analytical Issues in Field Work"
- Symposium – Mold or Bioterrorism

My Goals as the president include:

- News letters – Publishing a newsletter on a quarterly or monthly basis. I will be asking some of our membership to contribute to the newsletter by providing articles. If there is a topic that you would like to write about please email myself by clicking on the following link, "[I have a newsletter article](#)".
- I want to increase communication with our membership. Publish meeting minutes from the monthly board meeting and post them on the Ohio Valley Local Section web page.
- I want to improve the quality and content of our web site by:
  - Win an AIHA web site award by bumping our web site content against the AIHA criteria for judging web sites
  - Posting the meeting minutes
  - Posting the newsletter
  - Posting the meeting announcements
  - Making meeting reservations easier

Thank you for helping to make our section a better section.

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