



**Air & Waste Management Association
Pacific Northwest International Section
*Electronic Newsletter #6, April 2005***

***Special Interest
Articles:***

- PNWIS Annual Awards Ceremony
- PNWIS Annual Meeting

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PNWIS Annual Awards – Submitted by Angela Hansen

At the PNWIS 2004 annual meeting in Portland, Oregon in November 2004 PNWIS held its annual awards ceremony. The following were the recipients of this year's awards:

Mike Ruby, Envirometrics, Inc.

Robert Stockman Distinguished Achievement Award

This award is presented annually in recognition of an outstanding contribution to air quality management in the PNWIS region and for a long-standing contribution to PNWIS.

Martha Moore, TW Environmental

PNWIS/A&WMA Executive Committee Award

This award is presented to recognize persons who have gone beyond the call of duty in their volunteer work for PNWIS.

**Teddy Le, State of Washington Department of Ecology
"Hawkeye" Award**

This award is presented to an inspector or internal auditor who diligently enforces regulations in the PNWIS region.

Mark Boedigheimer, CH2M HILL

Lab Coat Award - This award is presented to an individual who has contributed to laboratory and ambient sampling technology.

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**Five A&WMA/PNWIS Student Chapters; EC 2005 is
Coming! – by Dave Dornbush**

With a February kick-off meeting in Bellingham, the Huxley College Student Chapter (Western Washington University) is off and running. And, from their first chapter meeting on March 2, they now have more than a dozen new A&WMA Student Members, an elected board, bylaws in work, and plans for functions each quarter - field trips, speaker sessions, and socials. The chapter has two faculty advisors and strong support from the Dean of Huxley College. Steve Rybolt is chapter chair until he graduates in a few months, then Jill Martin, current vice-chair, will take the reins. The chapter will continue to evolve as an on-going, participatory university program. Huxley is the alma mater for several current and past PNWIS Board officers. The school has sent teams to compete in the Environmental Challenge (EC) competition at PNWIS 2002 and 2004.

The University of Montana (Missoula) is in the process of establishing a student chapter under the guidance of Dr. Tony Ward. He has been invited to come to the PNWIS Board meeting in May to discuss chapter formation. Kumar Ganesan had committed some

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PRESIDENT’S COLUMN

Respected members, it is a great pleasure to report to you that PNWIS is in an excellent position financially and otherwise. The PNWIS 2004 annual conference in Portland went flawlessly. We thank the Portland organizing team for a great conference. As always, at the recent conference, the student competition highlighted the event. During the student presentations of the projects the room was standing room only. Congratulations to all the student participants and to the PNWIS organizers for a very successful contest.

The PNWIS board also discussed the educational and outreach program. The board wanted to reassess its focus, mission and goals. A sub-committee is working to streamline this important program that is the single, most highly, funded program by PNWIS.

Our members are also involved in organizing several specialty meetings that are very valuable professionally for our members and for other interested parties. If you have any ideas for a specialty conference theme please feel free to contact any one of our board members. The board also discussed selecting the lead person(s) for the 2008 A&WMA International Conference to be held in Portland. The board probably will select a conference chair for the 2008 A&WMA conference during the change over meeting in Whitefish, Montana during May 6-7, 2005. All chapter chairs or representatives of the chapters and student chapters are invited to attend the changeover meeting. The PNWIS will pay for your room for one night (May 6) including a dinner, breakfast and lunch. Please contact the grouse Mountain Lodge directly to make the reservation. (1-877-862-1505 and mention PNWIS reservations)

It has been a pleasure to be the president of this fine organization. Your support and dedication have made this one of the best A&WMA sections in the country.

**Kumar Ganesan,
PNWIS President**

“The PNWIS 2004 annual conference in Portland went flawlessly. We thank the Portland organizing team for a great conference.”

Crash Course in Stack Testing – by Zach Klotovich

PNWIS is again presenting the workshop titled "Crash Course in Stack Testing." This spring's seminar will be held in Boise, ID, on May 17, 2005. A seminar brochure that includes an agenda and registration information is available on the PNWIS website at www.pnwis.org. For additional information, contact Zach Klotovich, Idaho Chapter Chair, at awma_idaho@yahoo.com.

Fall Conferences on Ultra-low Sulfur Diesel and Clean Diesel Engines

– by Maggie Corbin

Highway Diesel will be required to contain no more than 15 ppm sulfur by Summer 2006, and there will be challenges in meeting that deadline, and new EPA enforcement policies. Fleet operators are likely to have questions about how this fuel will impact vehicle operation and maintenance. PNWIS and the Alaska and Puget Sound Chapters will be holding workshops in Anchorage and Seattle to provide up-to-date information about these issues.

Attendance at this workshop will be a must for refinery staff, fuel distributors, private and public fleet operators, regulators, environmental consultants and others interested in learning about this critical cleaner fuels program. Stay tuned for more information about these workshops - updated information will be posted on the PNWIS website as it becomes available.

PNWIS 2005 at Semiahmoo Resort this Fall

Please mark your calendars for November 9-11, 2005 as these are the dates for this year's annual PNWIS Conference.

This 3-day event entitled "International Perspectives in Environmental Management" will highlight air and waste management issues and scientific studies conducted by our Canadian and US members. The conference will be held at Semiahmoo Resort in Blaine, Washington (www.semiahmoo.com), which is strategically located on a narrow sandy spit near the 49th parallel. From its shores you can view British Columbia to the north and the US mainland to the south.

The B.C. & Yukon and the Puget Sound chapters have partnered to assemble a top-notch and well rounded international planning team. In addition to providing an excellent technical program during the conference, we

will be offering a professional development workshop the day before the conference on November 8th.

Other activities we are working on include tours of nearby petroleum refineries and another exciting student environmental challenge competition. If you or your company would like to be involved in the conference, now is the time to let us know. We have sponsorship opportunities available and will be issuing a call for papers this spring. Please surf into our PNWIS 2005 conference website for contact information and updates at: www.pnwis.org/pnwis2005.

We hope to see you all there! Sincerely, The PNWIS 2005 Planning Committee

PNWIS 2004 Annual Meeting Another PNWIS Success – by Scott Freeburn

I want to thank all those PNWIS members that participated in the PNWIS 2004 Annual Meeting. Approximately 220 individuals attended the meeting for one or more days and another 25 attended social functions, all developed around the meeting theme of Lewis and Clark: Following the Corps of Discovery. A strong combination of technical and social programs, and our best student showing ever, resulted in what we believe was a terrific success.

Plenary Session, Keynote Address Are Hits

The plenary session was titled Economic and Environmental Tradeoffs- The Tillamook Forest Initiative. Our session was the day after the Tillamook Forest Initiative was defeated at the ballot box and our panelists had been actively involved in either lobbying or analyzing the effects of the proposal. The speakers were Craig Hanneman, Oregon Forest Industries Council; Dave Ivanoff, Hampton Affiliates; Gail Achterman, Oregon State University's Institute for Natural Resources; David Moskowitz, Wild Salmon Center; and Chuck Willer, Coast Range Association.

Our keynote address by Stephanie Ambrose Tubbs was entitled Opening Our Ears; Researching the Lewis and Clark Companion. Ms. Tubbs, who has spent much of her life studying Lewis and Clark, provided insights into the Corps of Discovery that went beyond the traditional history lesson. Her understanding of the Corps and the impacts on the peoples it met are based on years of research with her father following the Lewis and Clark trail. She provided fresh insights into the perceptions of the Native American regarding the Corps. Kathi Futornick organized the very successful first day program and presided as moderator and Master of Ceremonies.

Technical Program

Our technical program began with the professional development course. Eighteen individuals participated in the course entitled Today's Compliance Reality: Auditing, Voluntary Disclosures, Enforcement, and Consent Decrees. Dave Einolf, ERM; Nanci Klinger, Davis Wright Tremaine; Steven J. Nelson, Coal Creek Environmental Associates, LLC; and David Dabroski, Graham & Dunn, P.C. served as instructors. Dave Einolf, who also served on the meeting's organizing committee and as the technical program co-chair, is to be lauded for his hard work in organizing this course.

Wednesday morning started with a tour of the City of Portland's Big Pipe Project, part of the City's effort to eliminate combined sewer discharges into the Willamette River. Fifteen attendees received a project overview and made visits to several parts of the construction activities which are arrayed along both sides of the Willamette River in downtown Portland.

The technical presentations addressed the major themes of: Habitat: Air Quality; Habitat: Water Quality; Habitat: Land Quality; and The Big Picture. Habitat: Air Quality sessions addressed a range of regulatory and non-regulatory topics including NSR Reform, Green House Gases, a large and diverse group of sessions on Urban Air Toxics (focusing on recent detailed studies of Portland air toxics), Pollution Control Issues, Indoor Air Quality, and Atmospheric Measurements. Habitat: Land Quality addressed Innovative Remedial Technologies, Industrial Hygiene, and the Changing Landscape of Due Diligence. Habitat: Water Quality addressed issues of Toxics and Mercury Reduction Strategies, Odors Issues related to water treatment. The Big Picture sessions included Environmental and Business Ethics, Native American Issues, Sustainability, Environmental Management, and "Who Will Guard the Guardians" addressing safeguards against potential regulatory excesses. The Technical Program was co-chaired by Dave Einolf and Kathi Futornick.

Exhibitors and Events

Twenty-eight organizations participated in the 2004 Annual Meeting exhibition. They were recruited and organized by Gordon Fromm who also handled all hotel details related to the Exhibit. Because of space limitations, somewhat fewer full-sized booths were available this year. However, several table-top spaces were available, which provided great access and traffic around the mezzanine of the historic Multnomah Hotel lobby. Our Exhibitors once again funded the Opening Reception. The following night the memorable, and very successful banquet, was held on at the Crown Room. Approximately 165 attended the dinner and dance session. Our sincere thanks to Christy Schmitt for putting in the long days necessary to organize these events and for still being awake enough to manage the early morning start to the Fun Run.

Environmental Challenge

The Environmental Challenge activities were organized by Kim Marcus and the EC committee. Kim was the liaison with the organizing committee and integrated the EC into the meeting theme. The EC had its largest participation ever resulting in the registration of 33 students from universities throughout the Pacific Northwest. On Friday morning the Committee received and evaluated proposals from all the teams. We look forward to even greater participation in future years.

PNWIS Award Nominations - continued from Page 1

John Cooper, Cooper Environmental Services

Hard Hat Award - This award is presented to a source tester or engineer who provides air pollution control or waste management through innovative techniques.

Tektronix

Kettle Foods

Environmental Achievement Award - This award is presented to organizations that have used innovative techniques to reduce or prevent air pollution or waste.

Michelle Cole, The Oregonian

Media Award - This award is presented to a representative from the media who consistently presents accurate, balanced and in-depth information on the environment.

J. D. McAlpine and Mike Ruby, Envirometrics, Inc.

Excellence in Presentation - This award is presented for the best presentation of a paper or poster at the annual meeting. The title of this year's winning presentation was "Determining the Proper Wind Sensor Height on a Building using CFD."

Dan Mahar, Northwest Clean Air Agency

Bent Black Banana - This award is presented to some person for some reason! The award is on the "lighter side" and is generally presented for some unusual contribution at the annual meeting. Dan Mahar received the BBB for his cheerful help in pre-conference preparations where he commandeered a hotel cart, took it across the street to the parking garage, loaded it with refreshments and beverages, and then accidentally ran it off the curb into the street in front of the hotel. There was a crash, broken glass, and beer all over the clothes of Jay, Dan, and Dave for the rest of the day.

Christy Schmitt, URS Corp.

Dave Dornbush, The Boeing Company

Certificates of Appreciation/Recognition

These certificates are presented to individuals, firms, agencies, or other organizations that have made some significant contribution to the fields of air pollution control and waste management or to the volunteer work of PNWIS.

Willenberg-Hansen Chapter Recognition Program

Moby Award Alaska Chapter
BC/Yukon Chapter
Idaho Chapter
Oregon Chapter
Puget Sound Chapter
Montana Tech Student Chapter

Eagle Award Vancouver Island Chapter

Student Paper Awards

First Place Steve Rybolt, Huxley College
Second Place Carlo Pearson, Oregon Health Sciences University
Third Place Nicolaus McEwen, University of Washington

If you have ideas for nominees for our 2005 annual meeting in Blaine, Washington, please send them to: Angela Hansen, PNWIS Awards Committee Chair, c/o Am Test-Air Quality, LLC, P.O. Box 525, Preston, WA 98050, fax to (425) 222-7849, or e-mail to angelah@amtestairquality.com.

Seven Student Teams; Hot EC 2004 Competition in Portland - by Dave Dornbush

PNWIS 2004 Annual Conference proceedings (Portland, Oregon, November 3-5) showcased the concluding days of the Environmental Challenge competition this year. Now in its third year, the EC hosted seven teams from four NW universities. Well over 30 students attended the conference and most of them were involved in the competition. And, during the technical sessions, several student papers were presented, as well. It was quite evident that student delegates were participating fully and adding energy to every conference event. This is one of several ways that PNWIS members have both opportunity and responsibility to stimulate and sustain networks with our student communities.

This year the new EC competition problem was posted to the www.pnwis.org web page in early October such that teams could begin to work on it. This year's problem mirrored the PNWIS 2004 theme, emphasizing "integration of our environmental heritage with our economic future". Student teams developed proposals, addressing environmental issues, and submitted them on the first day of the conference. During the conference, they fine-tuned their solution based on a "twist" they received that first day. On the final morning of the conference, teams delivered 15 minute presentations and answered questions. They were judged on approach, logic, team dynamics, process, conceptualization, clarity, and creativity; and, how well they utilized sustainable, real-world approaches to site issues - air, waste, and energy initiatives. Proposals and presentations were both factored into team performance evaluations.

EC 2004 university team prize winners were announced during the Awards Luncheon at the conclusion of the conference. See www.pnwis.org and click on "E Challenge" for the 2002-2004 EC history and names of student winners. EC 2004 team results are:

First:

Trailblazing Consultants - Montana Tech, Butte (\$1,500)

Second:

Cheddar Consulting - Huxley College, WWU, Bellingham (\$1,000)

Third:

SOLVE, Huxley College, WWU, Bellingham (\$500)

Honorable Mention (four way tie, \$200 to each team)

Transplanted Alaska - UAA, Anchorage

Green Engineering - Montana Tech, Butte

Undaunted Consulting - Montana Tech, Butte

Husky Development Group - UW, Seattle

In the last two years, numerous sponsors have contributed to the EC fund which now is approaching \$80,000. The PNWIS objective to develop a self-sustaining \$100,000 fund is moving rapidly toward reality. Individuals and companies are encouraged to be part of EC fund development and this PNWIS legacy program.

We expect that EC 2005 (in Semiahmoo, Washington) will be another great competition with up to 40 students involved. Watch the PNWIS web page for information. Contact me if you have questions, suggestions, or would like to participate.

Dave Dornbush (david.j.dornbush@boeing.com, 206/544-0399)
Environmental Challenge Committee Chair

News from the Vancouver Island Chapter - Submitted by Andrea Mercer

Protecting marine ecosystems in our local waters and in the Georgia Basin was the topic of this year's annual professional development conference of the Air and Waste Management Association (Vancouver Island Chapter). The conference was held at the CFB Esquimalt Chiefs and Petty Officers Mess (one of the most picturesque conference venues in town) on February 17, 2005.

The conference saw over 60 delegates and speakers in attendance (including 16 student delegates) and was deemed to be a resounding success. As an added bonus five delegates took us up on our "International A&WMA Membership + Conference" special offer of \$165.00 CDN.

The morning session included:

- a discussion on the land based sources of marine pollution and the management of these pollutants.
- a closer look at shellfish protection, effects of persistent organic pollutants and the impacts of shellfish aquaculture.

The afternoon session consisted of two separate workshops and included discussion on:

- Pollution Prevention and Conservation Strategies, including spill response planning, marine conservation areas, managing ship maintenance wastes, and the west coast navy's approach to pollution prevention.

- Remediation and Mitigation Measures, including stormwater management, remediation of Rock Bay, the new Harbours Atlas, and the Clean up of Ceclia Creek / Rock Bay watersheds.

Comments from delegates included:

"This was, without a doubt, the best 1-day conference I have ever attended"

"I found all of the sessions extremely interesting and well presented, there wasn't a single session that didn't exceed my expectations"

"It was amazing how much information I took away from this conference, even from the presentations that I thought I already knew everything about the topic. The speakers should be commended for their well thought out presentations"

Presentation material from the conference will eventually be posted to the Chapter's site at:

www.pnwis.org/CH_VI/default.htm

where you will already find the complete conference program including speaker biographies and presentation abstracts.

Five A&WMA/PNWIS Student Chapters - - Continued from Page 1

start-up funding from the existing Montana Tech student chapter. PNWIS will also provide support to add to the momentum of this new chapter.

The Montana Tech (Butte) chapter continues to operate effectively with strong student participation and activities. They have a long history of PNWIS contribution and have sent teams to all three EC competitions, 2002 through 2004.

The University of Washington (Seattle) student chapter was established in 2003. This student organization is part of the A&WMA Puget Sound Chapter but they have their own bylaws and officers; Michelle Newman is Board Chair. With graduations and new scholastic and career opportunities impacting the board, they are now reorganizing to incorporate new participants and add full-time faculty advisors. And, they continue to promote chapter activities on campus. The UW Chapter has sent teams to the two most recent EC competitions - PNWIS 2003 and 2004.

The Palouse Student Chapter (Washington State University - Pullman) has membership and faculty advisors at the university. It is currently in the process of re-establishing

on-going chapter operations. Kumar Ganesan, PNWIS President, has been working with this chapter to implement activities that will, in turn, generate campus interest. Students from WSU have participated in several recent PNWIS annual conferences; networking and giving technical session presentations.

This year's Environmental Challenge (EC) competition will be similar to EC 2004 which was featured at the PNWIS annual conference last November in Portland. The EC Committee will develop an environmental problem to be solved by teams from NW universities. The problem will be posted on the PNWIS web site at least a month before the November conference. Each team will do research, develop solutions, and build a proposal to be submitted on the first day of the conference. At that time, teams will be given a twist (an emerging issue or two) which they will need to resolve in two days. On the final day of the conference, teams will give presentations including their resolution of the twist. Teams will be judged on both their initial proposal and final presentation. Prizes will be awarded at the Awards Luncheon that day so plan to attend PNWIS 2005, enjoy and learn from The EC energy, and network with the student delegates!

2004 PNWIS Annual Meeting – continued from page 4

Air and Waste Management Association

Pacific Northwest International Section

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Sponsorships

Sponsorship efforts were organized by Martha Moore resulting in more than \$15,000 in cash support and approximately \$8000 in in-kind efforts. We are (and every PNWIS member should be) very much appreciative of these donations as they allow our meetings to continue to be financially successful while maintaining the program scope and fee structure we desire. Martha was assisted by Frank Jones in managing meeting accounts. Members should review the list of sponsors on the meeting website and express their gratitude toward these companies whenever the opportunity presents itself.

Meeting Support Efforts

I wish to extend my thanks to other members of the organizing committee not already mentioned. Their efforts behind the scenes made the conference run seamlessly.

Activity	Committee Member
Registration	Bruce Johnsen, Cooper Environmental
Web Site	Alison Dean, Georgia Pacific
Publicity	Judy Stockton, Wolf Environmental
Local Arrangements	Phil Allen, ODEQ
Awards	Angie Hanson, Am-Test AQ & Melissa McAfee, PSCAA
Publications	Angie Hanson, Am-Test AQ & Dave Einolf, ERM
Transportation	Martha Moore, TW Env., Tim Freeburn
Student Participation	Kumar Ganesan, MT Tech. and the EC Committee
Protocol	Jay Willenburg, CH2M-Hill
Utility Infielders	Christy Schmitt, URS Corp., Dave Dornbush, Boeing

Others working for and with Committee members filled in the many and important details. Thanks to all who helped (and their employers). Thanks to the many of you who attended. We hope you will remember Portland, the site of the A&WMA's 2008 Annual Conference and Exhibition.

We're on the Web!

See us at:

www.pnwis.org

The Electronic Newsletter

This is the sixth edition of the electronic PNWIS Newsletter. The goal of the Board is to release it electronically to the membership every few months to let you know what's going on across our Section. We are also interested in including articles from Members, Chapter Boards and others. Please submit your articles to Chris Robins by e-mail to crobins@crd.bc.ca. Submissions will be reviewed by the PNWIS Newsletter Editorial Board made up of Terry Nyman and Angela Hansen. Thanks to Sheila Brown for formatting and Dan Mahar for looking after distribution. Dan is also instrumental in maintaining the PNWIS web site at www.pnwis.org. Please take a few minutes to visit the site.

PNWIS is looking for sponsors of this newsletter. If you would like to be a sponsor and have your company logo displayed in the newsletter, please contact Chris Robins by e-mail.

Chris Robins
Newsletter Committee