

Ohio Valley Regional Chapter of SETAC

Society of Environmental Toxicology and Chemistry

Quarterly Newsletter – Issue No. 2: Spring 2005

Rob Reash – Editor

SETAC 26th Annual Meeting, Baltimore November 13 – 17

Make your plans to be in Baltimore! That's right - SETAC's 26th annual meeting is coming up - fast. This year's meeting theme is "Environmental Science in a Global Society: SETAC's Role in the Next 25 Years" SETAC (hard to believe!) recently celebrated 25 years of existence. Baltimore, of course, is a great location for social activities.

☉ Registration discount deadline! Please note that registration for the 26th annual meeting provides a \$20 - \$40 cost savings for those who register by October 3.

Ohio Valley Chapter Meeting in Baltimore

Of course we will have our business meeting and (just as important) social gathering at SETAC Baltimore. The meeting is scheduled for Monday on November 14th during our favorite time...Happy Hour. Location has yet to be assigned, but be on the lookout for an email announcement in October.

Short Courses

Check out the line-up of short courses, platform sessions, and interactive posters at www.setac.org/baltimore/prog_wk_glnc.html Interactive Posters in Baltimore!!!!

An increasingly popular forum of GOOD SCIENTIFIC EXCHANGE is the interactive poster session. Some of the interactive sessions at this years meeting include "Advances in Bioaccumulation Assessment", "Ecological

Epidemiology in Action", and "Endocrine Disruption in Invertebrates". Also, on Monday there will be an all day session entitled "Basic Aquatic Toxicity Testing Methods for the Educator and Layperson".

Student Travel Awards to Baltimore for the Super SETAC Meeting



What: Every year, OVC SETAC provides Annual Student Travel Awards to deserving students to help defray costs of attending the SETAC annual meeting.

Guidelines and Rules:

1. The applicant must be a student member of OVC SETAC by the date of the award. Students may join the chapter at the time of travel award application (go to <http://chapters.setac.org/ohiovalley/>)
2. Preference will be given to applicants that are active in the Chapter. After active student members have been awarded travel awards, graduate students who have not previously received a travel award will be considered next. Finally, all other graduate students (including those who previously were awarded a travel award), will be considered.

The applicant must be the first author for an accepted oral or poster presentation at the upcoming SETAC Baltimore meeting.

Include a brief description of travel and registration expenses you expect to incur.

At least one undergraduate student, per year, may be considered for the travel award.

The award amount and number of recipients is determined by vote of the OVC Board of Directors.

How to apply: Send your abstract, and confirmation of acceptance by the Program Committee, to Joe Schubauer-Berigan at schubauer-berigan.joseph@epa.gov no later than September 23, 2005.

Ohio Valley Chapter New Website

Please note that our Chapter's web site has changed. All of the information concerning Ohio Valley Chapter is now placed on the SETAC North American server. So, note the new website!!

<http://chapters.setac.org/ohiovalley/>

Partnering with SETAC Laurentian Chapter

Tyler Linton reports that SETAC's Laurentian Chapter is interested in participating with our chapter in developing a joint 2007 annual meeting. We will be discussing such a meeting with them sometime in 2006. Tyler would like some OVC Chapter members to attend the Laurentian Chapter meeting during the SETAC Baltimore meeting. If you are interested in attending this meeting, please let Tyler know.

Highlights: 22nd Annual Meeting of the Ohio Valley Chapter – Cincinnati, OH, June 2, 2005

On June 2, a joint meeting of SETAC OVC and the Society of Risk Analysis was held at U.S. EPA's Environmental Monitoring Laboratory in Cincinnati. This was the first occasion that the Ohio Valley Chapter coordinated its annual meeting with a sister society. Thanks goes to Dan Petersen (OVC President-Elect) and John Lipscomb (SRA) for all the hard work that was put in to make the joint meeting a reality. The keynote address was given by Dr. Glen Suter (U.S. EPA), who contrasted the technical assumptions, and goals, between ecological and human health risk assessments. Abstracts of the presentations given at the meeting are located on our new website.

Awards: the annual student paper award was presented to Trina Harkenrider, for her presentation entitled "Effects of Non-point Source Contaminants and Water Quality on Fishes in Agricultural Receiving Streams". This award includes a cash travel award, subscriptions to ET&C and Globe and a student membership to SETAC and OVC.

Congratulations to Trina and all the students for their excellent, high quality presentations.

Presidential Change: Tyler Linton officially assumed the duties of SETAC OVC President. Tyler quickly displayed his enthusiasm for the new role; at the end of the meeting he decreed that all who attended be packed in (not an easy task!) for a big group picture. Unfortunately, the group was so big that in order to capture everyone in the frame, Tyler had to stand back too far for his flash to work effectively. He vows to get that group picture he desperately wants at our chapter meeting in Baltimore, so be there in your best.

As a consolation, here is Tyler congratulating Trina on her Marian Vinegar award:



Thanks, thanks, and more thanks to past-President Annie Wiesbrod: The entire membership of OVC (especially the Board!) wishes to thank Annie for her outstanding guidance, and relentless pursuit of improvement, during the past year. Because of Annie's new ideas and "spark plug" leadership, SETAC OVC HAS become a stronger organization. Please take an opportunity to thank Annie when you have the chance!

Only your Dues will Do

It is only March 2005, and I am being asked to pay OVC dues again. I usually pay my dues at the OVC annual meeting in the spring, so never think to pay with the registration for the National meeting in the fall. Should I? Yes! The fiscal year for the society is January 1 to December 31, and so is ours. Dues paid in the spring at the annual meeting are for the calendar year only, and come January 1, they are due again. Sooo...get in the habit of paying our dues with your registration for World Congress! The money received by dues paid then become available to the chapter by February, which sure helps when trying to plan and pay for the annual chapter meeting. So, please help us with the cash flow!

Board Member Profile

Hi. I'm Board Member Rob Reash. A little background on me: I received a Bachelor of Science Degree from Wittenberg University in 1981 and a M.S. from the Ohio State University in 1984. I worked as a fisheries intern with Ohio EPA in 1984, and as an Environmental Specialist with the Oklahoma Water Resources Board in 1989. Other than those brief work assignments, I have worked for American Electric Power for almost 20 years. Most of my career has been devoted to assessing water quality impacts from various power plant discharges/processes: effects of heated water, trace metal toxicity and bioaccumulation, whole effluent toxicity, and near-source deposition of mercury emissions. I joined SETAC in 1984 and immediately became active in the Ohio Valley Chapter. I served as Chapter President from 1992-93. OVC has truly "changed with the times" since the mid- 1980's, and I have always been impressed with the dedication and vision of the "core active group". I have always felt that the most important benefit of becoming active in the Chapter has been learning and understanding what fellow scientists and researchers are doing in the field – we get so wrapped up in our pigeon-hole focused work that professional interaction and exchange becomes a low priority!

I have two teenage sons (ages 17 and 15) who are active in sports, and I serve as a youth mentor for Franklin County Children's Services. In my remaining spare time (yuk yuk!) I like to fish, canoe, and hunt for fossils.

Student Corner and Student Board Member Profile

Hi. I'm Ronnie Yaeger. I am the Chapter Student Board Member for 2005-06. I would like to encourage all student members and prospective members to actively contribute to student involvement. Currently, I am working on developing a series of outreach efforts to increase student participation within the regional chapter. Ashley Jasevicius has agreed to assist with

undergraduate student communications. Hopefully, our efforts to contact students early in the academic year will yield increased participation throughout 2006 and at the next annual meeting.

I am really excited about the upcoming year and the outreach ideas that we are discussing. I am somewhat new to the region (excuse my lack of Midwest knowledge). I grew up in the great Pacific Northwest across the Puget Sound from Seattle. I received my Bachelor's Degree from Western Washington University where Dr. Wayne Landis first introduced me to SETAC. In addition to many great times at WWU, I would frequent Mt. Baker for the amazing snowboarding conditions.

Three years ago, my wife and I moved to Bloomington, Indiana to attend Indiana University. Since then I have completed my Master's Degree and am continuing to work toward a Ph.D. I am fortunate to work with a great lab team and have Dr. Diane Henshel as my major advisor. Currently, we are studying the effects of near infrared light therapy on development using the avian model. Specifically, I am investigating the effects on embryonic growth and development by quantifying growth parameters and energy content.

I had knowledge of SETAC prior to attending IU, however it wasn't until I attended my first OVC SETAC meeting that I was intrigued to get involved at the regional level. I look forward to working with you this year!

OVC Outreach and Local Gatherings

A Columbus, OH area gathering will occur on Friday, October 21 in the Arena District. Mark the date! Topics of discussion will include (but are not limited to) : 1) is Pluto a real planet or just a former satellite moon of Neptune?; 2) college football; 3) who's going to do what in Baltimore, and 4) informal updates on ongoing research. Rob

Reash is organizing the event. Details will be emailed in early October.

OVC SETAC Presentations in Baltimore

Tyler Linton, Wednesday Platform, Session W7 (PM) – Metals in the Environment: Regulatory and Risk Concerns. Title: "Development of a Copper Standard for Michigan's Upper Peninsula Waters".

Angela Schmidt, Tuesday Platform, Session: T4 PM Endangered Species and Environmental Contaminants: Status of the Science (Part 2). Title: "Risk Assessment and Endangered Species Management at a Military Installation."

OVC Member Presentations - 2005

Reash, R.J. 2005. "Ecological Impacts from Coal Combustion Wastes". Presented at National Research Council, Committee on Mine Placement of Coal Combustion Wastes public hearing, Harrisburg, PA, 19 April.

Yeager, R.L., J.A. Franzosa, D.S. Millsap, J.T. Eells, H.T. Whelan, and D.S. Henshel. "Dose-dependent survival differences in chickens developmentally co-exposed to near-infrared light therapy and dioxin". Society of Toxicology 44th Annual Meeting, New Orleans, LA.

OVC Member Publications:

Manoel A.W. Pacheco, Dennis O. McIntyre, and Tyler K. Linton. 2005. Integrating chemical and biological criteria. Environ. Toxicol. Chem. Vol. 24, No. 11 (November 2005).

Reash, R.J., T.W. Lohner, and K.V. Wood. 2005. Selenium and other trace metals in fish inhabiting a fly ash stream: implications for regulatory tissue thresholds. Environmental Pollution (in press).

Yeager, R.L. J.A. Franzosa, D.S. Millsap, J.L. Angell-Yeager, S.S. Heise, P. Wakhungu, J. Lim, H.T. Whelan, J.T. Eells, and D.S. Henshel. 2005. Effects of 670 nm phototherapy on development. Photomedicine and Laser Surgery 23: 268-272.

Yeager, R.L., J.A. Franzosa, D.S. Millsap, J. Lim, S.S. Heise, P. Wakhungu, H.T. Whelan, J.T. Eells, and D.S. Henshel. 2005. Survivorship and Mortality Implications of Developmental 670 nm phototherapy – dioxin co-exposure. Photomedicine and Laser Surgery (in press).

Your OVC Officers and Board Members

OVC Officers

President -Tyler Linton (Great Lakes Environmental Center)

Past President -Annie Weisbrod (Proctor and Gamble)

President Elect -Dan Petersen (U.S. EPA)

Secretary & Treasurer-

Angela Schmidt (BHE Environmental)

Board Members

Florence Fulk (U.S. EPA)

Mike Homsher (University of Findlay)

Roman Lanno (Ohio State University)

Rob Reash (American Electric Power)

Joe Schubauer-Berigan (U.S. EPA)

Jim Smith (Indiana Dept. Environmental Management)

Kevin Henry (Dow Chemical Co.)

Lori Whitacre (Burgess & Niple, Inc.)

Student Board Member

Ronnie Yeager (Indiana University)

OVC Committees

Here are the current OVC Committees and the designated chairperson:

Communication – Rob Reash

2006 Program Chair– Dan Petersen

Membership – Dan Petersen

Fundraising – Dan Petersen

Student Activities – Joe Schubauer-Berigan

Nominations – Jim Smith

Vinegar Award – Florence Fulk

New book from SETAC!

SETAC Press has just published a new book, “Toxicity Reduction and Toxicity Identification Evaluations for Effluents, Ambient Waters and Other Aqueous Media”. This book provides an overview of sampling design, methods, and data analysis techniques for identifying causative toxicity agents for ambient waters and waste streams. Looks good!

The price of the book for SETAC members is \$77; non-member price is \$129. Go to www.setac.org to order online.



Editor’s Note: Thanks to all who contributed material for the newsletter!