

Lab Lines

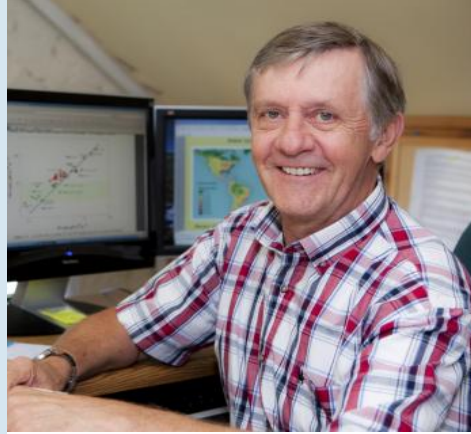
DECEMBER / JANUARY 2018

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Dr. Walter Boynton has been awarded the 2017 11th Annual Carls S. Weber Award. This award is from the Maryland Water Quality Monitoring Council of the Maryland Department of Natural Resources and is given to an individual(s) involved in water monitoring in Maryland. It honors those who help create increasing watershed awareness, advocacy, education and stewardship, sharing the spirit, vision and leadership exemplified by Dr. Carl Weber.

RESEARCH AND AWARDS

Jerry Frank received an award from the Department of Natural Resources (DNR) Resource Assessment Service (RSA), (July 1, 2017 through September 30, 2018). The title for this project is: *Coastal Bays Water Quality Analysis*.

Dr. Mario Tamburri received an award from the United States Department of Transportation, Maritime Administration (October 11, 2017 through December 31, 2018). The title for this project is: *Phase XX, Support Hyde Guardian HG250G Cape Washington Operations Test*.

Dr. Andrew Heyes received an award from the Maryland Department of the Environment (MDE), (December 1 through December 31, 2018). The title for this project is: *Monitoring Mercury in Young of the Year Fish in Maryland Freshwaters and Estuaries*.

Mr. Jerry Frank received an award from the Maryland Department of the Environment (MDE), (September 1, 2017 through September 20, 2018). The title for this project is: *Targeted Watershed Corsica Monitoring Project*.

WHO'S ON TRAVEL



Dr. Carys Mitchelmore was invited to give a presentation at the Northeast Sustainable Agriculture Working Group's (NESAWG's) annual *It Takes a*

Region Conference on November 11 in Baltimore, MD. The title of her talk was: *The Impact of Neonicotinoids on Aquatic Organisms*.

Dr. Slava Lyubchich traveled to Oaxaca, Mexico to co-chair and participate in the workshop on Synthesis of Statistics, Data Mining and Environmental Sciences in Pursuit of Knowledge Discovery: <https://www.birs.ca/events/2017/5-day-workshops/17w5076>.

Dr. Michael Gonsior traveled to the 2017 Masao Horiba Awards in Kyoto, Japan. Dr. Gonsior

received an Honorable Mention to the Masao Horiba Award: https://www.mynewsdesk.com/horiba/blog_posts/science-connects-us-2017-masao-horiba-award-winners-speak-at-awards-ceremony-in-kyoto-64020.

Dr. Lyubchich Viacheslav traveled to London, England and co-organized an invited session on Financial Networks and presented a talk at the 10th International Conference on Computational and Methodological Statistics. The title of his talk was: *Social network analysis and deep learning for customer retention in retail banking*. <http://cmstatistics.org/CMStatistics2017/>.

Dr. Johan Schijf traveled to New Orleans, LA to attend the American Geophysical Union 2017 Fall Meeting.

Dr. Jeremy Testa gave an invited seminar at the University of South Florida College of Marine Science in St. Petersburg, Florida entitled *Trends and Phenology in Linked Carbon, Oxygen, and Nitrogen Cycles in the Chesapeake Bay Estuary*.

Graduate Students Nicole Basenback, Erin Crandall, Zachary Gotthardt, Ginni La Rosa, Katherine Martin, and Mathapelo Seopela presented a poster entitled "Long-term Change in the Patuxent River Estuary" at the Maryland Water Monitoring Council meeting in Linthicum, Maryland on December 8. The poster resulted from an Issue Study Group course at Chesapeake Biological Laboratory with instructors Laura Lapham, Carys Mitchelmore, Jeremy Testa, and Ryan Woodland.

PUBLICATIONS

Rowe, C.L., Crandall, E.A., 2018. *The acute thermal respiratory response is unique among species in a guild of larval anuran amphibians - implications for energy economy in a warmer future*. *Science of the Total Environment* 618:229 - 235.

Glandon, H., Kilbourne, H., Schijf, J., Miller, T., 2017. *Counteractive effects of increased temperature and pCO₂ on the thickness and chemistry of the carapace of juvenile blue crab, Callinectes sapidus, from the Patuxent River, Chesapeake Bay*. *Journal of Experimental Marine Biology and Ecology*.

Liang, D., Nesslage, G., Wilberg, M. and Miller, T., 2017. *Bayesian calibration of blue crab (Callinectes sapidus) abundance indices based on probability Surveys*. *Journal of Agricultural, Biological and Environmental Statistics*, 22(4), pp.481-497.

Lyubchich, V., Oza, N. C., Rhines, A., and Szekely, E. (Eds.), Ebert-Uphoff, I., Monteleoni, C., Nychka, D. (Series Eds.). *Proceedings of the 7th International Workshop on Climate Informatics: CI 2017*. NCAR Technical Note NCAR/TN-536+PROC, Sept 2017, 132 pp. DOI: 10.5065/D6222SH7.

Lyubchich, V. (2017) Review of *statistical learning from a regression perspective, 2nd Ed., by R. A. Berk*. *Technometrics*. L59(4): 548-549. DOI:10.1080/00401706.2017.1374690.

Rowe, C., 2017. *Maximum standard Metabolic Rate corresponds with the salinity of maximum growth in hatchlings of the estuarine northern diamondback terrapin (Malaclemys terrapin terrapin): Implications for habitat conservation*. *Journal: Acta Oecologica*.

Mansueti Building Closure

Reminder: The Mansueti building is closed for renovation. Please do not enter the building without first contacting Brian or Stacy. This project is on schedule to complete in February and we are planning to move the new residents (IT Department and Business Office) into their new spaces in early spring of 2018.

Keyless Campus Project

The transition to a keyless campus is well underway! Several buildings have their new hardware which operates differently than the previous hardware. No need to turn a handle, just push the door open. Once all of the buildings have transitioned to the new system, and ID badges have been issued to everyone, the CBL campus will be locked 24-hours a day. Your new ID badge will give you access.

REMINDER**New & Improved!! Work Orders**

We now have an interactive form available from our website to submit a request for services. If the sink is dripping, the door squeaks, lights need fixing, anything other than an immediate issue (like the toilet is overflowing) you should submit it directly. You can also submit a work order directly to the IT department. The online form can be found on the UMCES website by clicking "My UMCES" the scrolling to the CBL page, or by following this link. <http://www.umces.edu/cbl-forms> Please remember! If you have a critical issue, please call 410-326-7333 and report the situation for immediate response.



The 2017 Director's award for Excellence recipient Janet Barnes has been a vital contributor to CBL's science over many years, serving in a number of critical roles. Most recently, she has played a lead role in conducting trials of ballast water systems on the MERC barge. These tests have required Janet to be highly flexible, working when the "tide" required it and spending extended periods of time in Baltimore, on the Nanticoke and in Norfolk. The tests involved sampling phytoplankton and zooplankton in water before and after passage through the ballast water treatment system. Throughout this Janet has maintained her incredibly high standard and has played an important role in the success of the program overall. She is well deserving of recognition.

DEVELOPMENT AND OUTREACH

CBL's Development program has had a great year. We presented the play "A Sense of Wonder", a one woman show depicting the life of Rachel Carson, had a presence on #GivingTuesday for the first time, started a campaign to raise funds for DolphinWatch, and reached out to donors in the community. These efforts resulted in an almost doubling of the Solomons House fund from just over \$50,000 to in excess of \$100,000. Thank you everyone for your support."

The Chesapeake Biological Laboratory Visitor Center is closed for the winter season.

