



Lab Lines

February 2016

In this issue:

Research and Awards: 1

Update on the R.V. Truitt Building,
Development, Maintenance, Library,
Personnel: 2

GEC Fellowships, Safety, IT,
Sustainability: 3

Travel: 4

Outreach and Special Events: 5

Research and Awards

Dr. Solange Filoso is the primary PI on the National Fish and Wildlife Foundation awarded through the DC Department of Environment. This award determines the "Effectiveness of Regenerative Storm Water Conveyance Structures in the Rock Creek and Anacostia Watersheds."

Exelon Generation Company, LLC awarded CBL \$150,000.00 to support, in part the formation of the Exelon Graduate Student Fellowship Program. This award will involve pilot-scale experiments on the CBL research pier, literature reviews and, if needed, assessments of the full-scale treatment system at CCNPP. Dr. Mario Tamburri is the main PI for this award.

The Nutrient Analytical Services Lab received a new award from

Versar, Inc. The work is to provide analysis of nutrients from sediment samples collected as part of Versar's Benthic monitoring projects in the Chesapeake Bay. Specifically, total particulate carbon and nitrogen, and particulate inorganic carbon analysis is requested.

Year two funds were awarded to Dr. Laura Lapham to continue her research on "Ecosystem Impacts of Oil and Gas inputs to the Gulf (EcoGIG) from the Gulf of Mexico Research Institute.

Maintenance

Help us help you...For us to accurately account for man-hours and costs for building repairs, preventative maintenance and upkeep, we need work orders to accurately reflect the daily tasks the maintenance staff are performing. Please send your requests (even the simplest tasks) to pstebbin@umces.edu or duke@umces.edu. A work order will be created and the task assigned to the appropriate staff based on their work-load schedule.



Library

Kathy Heil has been working with UMCP resources to improve access to UMCP.

The best way to access is to go to:

<http://maryland.worldcat.org>. Scroll over the heading: University of Maryland, College Park [top left of screen] [click on] Off-Campus Access (log-in).



R.V. TRUITT BUILDING

The Truitt Building is scheduled for substantial completion late March, 2016. Stacy Maffei stated that commissioning and punch-out will continue for 30 days following. The "People of Truitt" will be moving in April as well as attending various training sessions on lab and building features. A schedule for moving and training residents is currently in progress.

Personnel

Please welcome Thomas (Tommy) Darnall CBL's new Seawater Manager/Plumber. Congratulations to Dale Garner who has been promoted to Maintenance Supervisor.

Please remember to follow proper procedures when leaving your job CBL. Please see Linda Lapera for more detailed instructions.

Development

CBL will host the Ninth Annual 5K Run for Research on Saturday, September 17, 2016. Participants will run through beautiful Solomons, MD. Donations and Sponsorships ensure that students from CBL can continue to further their educations, share their knowledge of the Chesapeake System, and represent Solomons and Southern Maryland on the national stage.

There are a variety of sponsorship levels: Presenting Sponsor (\$2,500.00), Platinum Sponsor (\$1,000.00), and Gold Sponsor (\$500.00). This year the 5K Team includes: Reed Brodrik, Matt Damiano, Kevin Kahover, Agraj Khare, Hadley McIntosh, and Jacob Oster. The team has just started securing sponsorships from Southern Maryland Electric Cooperative, and Holiday Inn, Solomons.

In hopes of targeting select key groups in our communities that have the potential to give, we are exploring a new event. The event will be held once a month starting in April titled "Dock Side Chats" and will be by invitation only. We will be offering

DEVELOPMENT CONTINUED

appetizers and wine with a Dock Side Chat. A faculty member will explain CBL's dynamic team of faculty and student researchers developing new scientific approaches to solving environmental management problems facing our nation, region and the world. The tentative schedule is listed on the last page of this newsletter.

We are always looking for individuals with the capacity to give. If you know of someone interested in giving please let Amber Bayse know so she can contact them.

Safety

CBL is improving their shortcomings in being compliant with OSHA and Cleary Act regulations. A Safety Officer, lockers for hazardous chemicals and compounds, inventory control, and improving access to buildings are topics of discussion.

IT

An improved WiFi System is scheduled to be completed in stages over the next six months. The new Truitt Building will be the launch point for the new system. Eventually all UMCES will be able to authenticate on our system, not just CBL, including support for worldwide EDUROAM through a new station ID by that name. CBL guests will also be made available campus wide on the new system. Authentication onto UMCES WiFi with your email credentials will grant you full direct access to the campus LAN as well as the outside Internet, there will be no more VPN to gain access to the campus LAN itself or need of any captive portal to gain access to the outside internet.

Sustainability

The Sustainability Committee is looking at preparedness and adaptation to storms and sea level rises according to climate change. Calvert County will be working with David Secor to propose a plan for Solomons. The group wants to also focus awareness on greenhouse gas emissions and water quality. Please refer to Stacy Maffei's flyer on the P Drive: Events/CBL Events/Sustainability Contest flyer to see if your Green IQ measures up to the CBL challenge.

GEC Fellowships

Currently there are three GEC Fellowships.

Two new Solomons House Graduate Fellowships (up to 2-year appointments will be available for the 2016-2017 year.

Two new 2-year GEC Fellowships have become available (thanks to the efforts of Drs. Miller and Tamburri). These are funded by the nuclear power plant and will be run in the same way as the other GEC Fellowships. The only exception is that these students will be required to work for the sponsor during the summer months (between 3-5 weeks @ 20 hours/week).

Publications

Altenritter, Kinnison, **Secor**, Zydlewski, 2015. Assessing Dorsal Scute Microchemistry for Reconstruction of Shortnose Sturgeon Life Histories. Environ Biol Fish [UMCES Contribution No. 5162].

Conroy, Piccoli, and **Secor**, 2015. Partial Migration, Growth Threshold and the Influence of River Flow in Striped Bass *Morone saxatilis* Early Life History. Marine Ecology Progress Series [UMCES Contribution No. 5163].

Buchheister, A., Miller, T.J., Houde, E.D., Secor, D.H., Latour, R.J., 2015. Spatiotemporal Dynamics of Atlantic Menhaden Recruitment along the Northwest Atlantic Ocean. ICES Journal of Marine Science [UMCES Contribution No. 5128].

Gel, Y.R., **Lyubchich, V.**, and Ahmed, S.E., 2016 Catching Uncertainty of Wind: A Blend of Sieve Bootstrap and Regime Switching Models for Probabilistic Short-Term Forecasting of Wind Speed. The Canadian Journal of Statistics [UMCES Contribution No. 5170].

Gelesh, L., K. Marshall, W. Boicourt, and **Lapham, L.**, 2016 Methane Concentrations Increase in Bottom Waters during Summertime Anoxia in the Highly Eutrophic Estuary, Chesapeake Bay, USA. Limnol Oceanogr. [UMCES Contribution No. 5168].



Who's On Travel?

Laura Lapham: Feb. 2 – 3: St. Petersburg, FL. Annual Gulf of Mexico Oil Spill Conference GoMRI. Feb. 28 – Mar. 8: New Orleans, LA. ECOGIG-2 Research Cruise from Cocodrie, LA.

Carys Mitchelmore: Feb. 1 – 4 St. Petersburg, FL. A talk at GoMRI conference.

Lora Harris: Feb. 2 – 9: San Antonio, TX. National Academies of Science Comm. On the Edwards Aquifer. Feb. 12 – Annapolis, MD. Series of meetings for the Synthesis Team in support of the Chesapeake Bay program.

Lee Cooper: Feb. 6 – 9: Montreal, Canada. Board of Directors of the Canadian Coast Guard Service Vessel Amundsen.

Mario Tamburri: Feb. 9 – 11 Los Angeles, CA Presenter at 3rd Annual Ballast Water Conf. Feb. 29 – Mar. 2 Key West, FL. Ballast Water ATP Workshop with Navy.

Jackie Grebmeier: Feb. 7 -9 Tromsø, Norway: Attend an International workshop as a member of the Advisory Board for the project "CarbonBridge."

Helen Bailey-Olde: Feb. 10: Frostburg, MD. Seminar and meet with faculty at AL.

Michael Gonsior, Hongsheng Bi, Lee Cooper, Jackie Grebmeier, Johan Schijf: Feb. 20 – 27. 2016 AGU/ASLO Ocean Sciences Meeting New Orleans, LA.





Outreach

The Science for Citizens seminar series was a success in 2015! 15 seminars attracted a total of 794 attendees. The schedule for the spring 2016 series is as follows: March 29, April 5, 12, 19 and 26 at 7:00 P.M. in BFL. Science for Citizens is designed to engage members of the Solomons, Calvert, and St. Mary's communities in learning about who we are at CBL, what we do, and why it is important.

The Visitor Center will be open during the Calvert and Saint Mary's Spring Break March 19 – March 28.

Upcoming Events

Science for Citizens (March – April)

Solomons Civic Assoc., April 11, 7 PM

UMCES faculty convocation, May 9-10

UMCES Graduate Commencement, May 10

IAMSLIC Library Conference May 10-14

Board of Visitors Meeting, May 20

Open House, May 21

Larval Fish, Conference – June 19-23

Ninth Annual Run for Research 5K Run, September 17

Dockside Chats:

April 14: Asbury of Solomons 10:30

June 16: Solomons Yacht Club 6:30

July 28: Solomons Sailing Association 6:30

August 25: Solomons Business Association 6:30



University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE
Chesapeake Biological Laboratory

Chesapeake Biological Laboratory
P.O. Box 38 * 146 Williams Street
Solomons, MD 20688-0038
410-326-4281

