

Lab Lines

JULY 2018

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Dr. Laura Lapham was awarded one of ten “Changing the Face of STEM” mentoring grants from the L’Oreal USA for Women in Science Program this past fall. The grant allows Dr. Lapham to expose the students to work in science, technology, engineering and math (STEM).



Dr. Lapham partnered with College of Southern Maryland (CSM) Assistant Professor Lori Crocker and her Principles of Biology II students to provide a research cruise on the Bay for these CSM students.

RESEARCH & AWARDS

Dr. Helen Bailey received additional funds from San Diego State University and the National Oceanic Administration Association, October 1, 2015 to June 30, 2018. The title for this project is: *EcoCast: Improving Ecological and Economic Sustainability of Marine Fisheries Using Remotely-Sensed Oceanographic Data Phase 2.*

Drs. Helen Bailey and Dong Liang received additional time and funds from Upwell, February 1, 2018 to August 31, 2018. The title for this project is: *Southpacific TurtleWatch Modeling, Operationalization and Outreach.*

Mr. Jerry Frank received additional time and funds from the Maryland Environmental Service, April 28, 2009 to June 30, 2019. The title for this project is: *Nutrient Sample Analysis from the Placement Cells and Exterior Monitoring locations at Poplar Island.*

Dr. David Secor received an award from the Department of Natural Resources, May 30, 2018 to May 29, 2019. The title for this project is: *Influence of Marine Construction Noise on Black Sea Bass Displacement and Physiological Condition in the Maryland Wind Energy Area.*

Dr. Jeremy Testa received a No-Cost Extension award from Penn State University and the National Oceanic Administration Association, August 1, 2014 to May 31, 2019. The title for this project is: *The Carbon Budget of Tidal Wetlands and Estuaries of the Contiguous United States: A Synthesis.*

RESEARCH & AWARDS CONTINUED

Drs. Genny Nesslage and Dong Liang received additional time and funds from the University of Southern Mississippi. January 1, 2017 to March 31, 2019. The title for this project is: Design of a Cooperative Winter Pelagic Survey for Atlantic Menhaden in the Mid-Atlantic.

Student Recognition

Hadley McIntosh is now the student representative for the American Geophysical Union's Ocean Sciences Section. The 2018 AGU Fall Meeting will be held in Washington, DC December 10 - 14. There is a Student and Early Career Meeting on December 9 for students who are attending.

DID YOU KNOW?

The Kilbourne/Schijf group will return to the Florida Keys to continue the effort of recovering from the impact of Hurricane Irma in September 2017, using supplementary funding from NSF.

In January, our team replaced 5 out of 6 Osmosampler/Hobologger packages that had been washed away by the storm surge in the Florida Keys and the US and British Virgin Islands, from depths between 10 and 60 ft. This time, after a comprehensive permitting process, we will attempt to replace 36 live coral specimens that were also lost from three sites.

In addition, we will perform our seasonal maintenance of the sensor packages and collect surface seawater samples from our 10x20 mile spatial grid. Logistical support of our fieldwork is provided by the Keys Marine Laboratory.

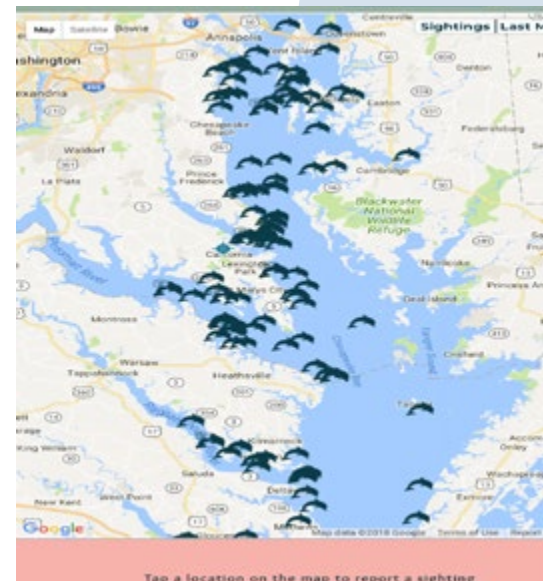
Lisa Wainger was selected to participate in an international symposium called BOUNDARY SPANNING: Advances in Socio-Environmental Systems Research, hosted by the Socio-Environmental Synthesis Center (SESYNC) June 11-13, 2018. She presented a talk titled "Overcoming behavioral biases in climate change planning" and engaged with interdisciplinary scholars from many different countries (32 were represented). SESYNC described the event as, *"The symposium will explore the current state of socio-*

environmental systems research, recent advances in the field, and the unique challenges and opportunities engendered by the questions and approaches of socio-environmental systems research. In addition, the symposium will catalyze and inspire new collaborative and interdisciplinary communities of research and practice."

Dr. Aimee Hoover and REU student Elizabeth Gryzb flew with Southwings pilot Ron



Baker over the Chesapeake Bay on June 15 looking for dolphins. Unfortunately no dolphins were seen, but 195 sightings have been reported by the public over the last month through the Chesapeake DolphinWatch mobile app and website (map below). Dolphins have also been frequently seen and acoustically detected from our pier in the Patuxent River during the last 2 weeks.



OUTREACH

Visitor Center & Tours

Renovation activities to help CBL preserve the historic Solomons House and improve the energy efficiency of building operations are underway. Please refer to the CBL website for updates and revisions to Visitor Center hours of operation and campus tour offerings: <https://www.umces.edu/cbl/visitor-center>.

Community Events

Thank you to Drs. Miller, Mitchelmore, Harris, Kilbourne, Mrs. Jeane Wharton and Mr. Charlie Wharton for volunteering at the St. Mary's Crab Festival and the Patuxent River Wade-In!

Volunteers are needed to assist with a CBL Outreach booth at the following upcoming community events:

- Saturday and Sunday, October 6-7 from 10:00am – 5:00pm -- Patuxent River Appreciation Days at the Calvert Marine Museum <https://www.calvertmarinemuseum.com/311/PRAD>.
- Saturday, October 20th from 10:00am – 6:00pm & Sunday, October 21st from 11:00am – 6:00pm -- U.S. Oyster Festival at St. Mary's County Fairgrounds <https://usoysterfest.com/>.

FACILITIES

Business Office – End of Fiscal Year!

Year End fiscal closing is here! The Business Office is very busy with end of year requirements and please remember, purchasing (with the exception of emergencies) is closed until July 8.

New CBL Community Board

The Mansueti hallway has a new community whiteboard – have a flyer for an event you want to post? Selling your car? The CBL community board is a great place to post your info. Required Human Resource information will also be posted here to keep everyone up-to-date on requirements.

Upcoming Facilities Projects

The Visitor Center renovation is underway. The Visitor Center will be open for business-as-usual with the exception week days, June 14-30. The project includes new windows, new siding, new roof, chimney repairs and the stabilization of the back room (fish tank area). Sarah will be temporarily relocating her office to Nice Hall.

Human Resources

Bringing a new member of the CBL team requires scheduling with several individuals for training, please be courteous and schedule ahead of time and complete the New Hire Form. Just showing up with a new employee/volunteer results in confusion and last minute scheduling of training. It definitely doesn't put our best foot forward in the eyes of the newbie.

Work Orders, Reservations and New Hire Forms are online

The above mentioned forms are all online! No need to remember what information is required in an email to make a reservation or request services or repairs from Maintenance and IT – go to our website, complete the form and click “submit.” 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.


Labeling on Containers

The Global Harmonization Standard (GHS) labels are on each chemical bottle as part of the Right to Know/ Hazard Communication Standard. These labels are designed to:

- Enhance worker comprehension of hazards, especially for low and limited literacy workers, reduce confusion in the workplace, facilitate safety training, and result in safer handling and use of chemicals;
- Provide workers quicker and more efficient access to information on the SDSs.
- Result in cost savings to American businesses in productivity improvements, fewer safety data sheet and label updates and simpler new hazard communication training; and
- Reduce trade barriers by harmonizing with systems around the world.

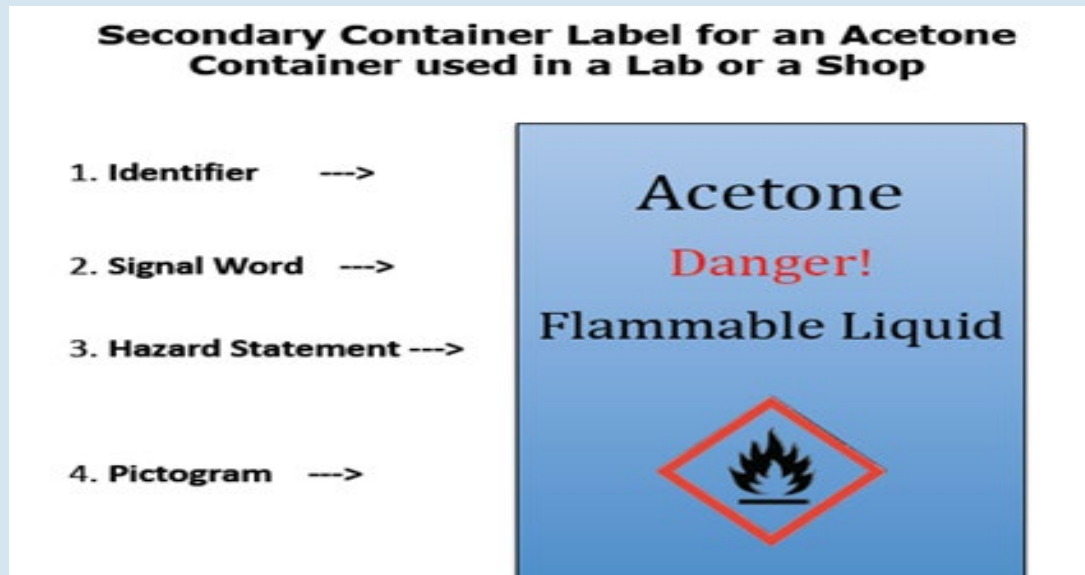
(OSHA 29 CFR 1910.1200)

Each label on the original container has six components:

| | |
|-----------------------------------|--|
| 1. Product Identifier | Sulfuric Acid |
| 2. Pictogram(s) |  |
| 3. Signal Words | Danger |
| 4. Hazard Statement | Causes severe skin burns and eye damage. Fatal if inhaled, harmful to aquatic life |
| 5. Precautionary Statement | Do Not breathe dust/fume/gas/vapors/sprays Wear protective gloves, cloths, eye, and face protection |
| 6. Supplier Information | Sigma Aldrich, Any town USA, 46414, Phone: 218-777-6666, Fax: 1-800-889-9999 |

If the chemical is moved from its original container to a secondary container in the laboratory, the secondary container label must contain the following four components, even if it is temporary. These components can be copied from the original label.

THE SAFETY CORNER: CONTINUED



This is excerpted from the Hazard Communication Right to Know OSHA 29 CFR 1910.1200 COMAR

09.12.33 located in the Safety folder on the “P” Drive.

2018 SEINE SEASON

A huge “thank you” to everyone who has helped kick off the 2018 #INSEINE season: <https://twitter.com/hashtag/inseine>! So far this season has produced:

3865 fish counted

15 species identified

1020 measurements taken

9 people drenched

18 hauls pulled

6 weeks surveyed

1 Baltimore Sun video published: <http://www.baltimoresun.com/news/maryland/environment/bs-md-chesapeake-bay-improving-20180612-story.html>

I encourage everyone to help us get those numbers up in the next month—you can even stay dry and take data! July’s seines all fall on Friday, so come get a suntan and sign up by following this link: https://docs.google.com/spreadsheets/d/1iNgmA4FaaDwoIuRXt5Bro3yoms0FuefDMdagXd4_VAg/edit?usp=sharing

Friday, July 6; 2:17 PM

Friday, July 13; 9:28 AM

Friday, July 20; 2:15 PM

Friday, July 27; 9:16 AM

PUBLICATIONS

Chen, Y., Gel, Y. R., Lyubchich, V., and Winship, T. (2018). *Deep ensemble classifiers and peer effects analysis for churn forecasting in retail banking*. In D. Phung et al. (Eds.) *Advances in Knowledge Discovery and Data Mining*. Proceedings of The 22nd Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD). June 3–6, Melbourne, Australia. pp. 373–385. DOI:10.1007/978-3-319-93034-3_30.

WHO'S ON TRAVEL

Dr. Michael Gonsior traveled to Victoria, BC, Canada to present and organize a session on photochemistry.

Dr. Lora Harris traveled to Woods Hole, MA for National Academies work.

Dr. Jackie Grebmeier's group will travel to Dutch Harbor, Alaska to participate in the 2018 DBO SWL cruise in U.S. waters.

Dr. Kilbourne-Schijf group traveled to Long Key, Florida to deploy water-monitoring equipment and coral specimens.

Dr. Helen Bailey traveled to Rehoboth Beach, DE to present at the Delaware Offshore Wind Exchange.



HUMAN RESOURCES

Welcome to CBL...

Alexandra Wettengel - General Assistant/Jerry Frank

Emma Dodsworth - General Assistant/D. Lora Harris

Elizabeth McDonald - Lab Assistant/Dr. Helen Bailey

Alicia Clark - General Assistant/Dr. Jackie Grebmeier

Hannah Degenford - General Assistant/Dr. Helen Bailey

Meghan Music - General Assistant/Dr. Carys Mitchelmore

UPCOMING EVENTS



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