

Lab Lines

JULY 2020

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DIRECTOR'S VIEW

It was inevitable that someone at CBL would test positive. As you know that eventually happened. Looking back on what happened, I am pleased with our response. I want to thank the CBLer who tested positive for their willingness to work with us. The person self-quarantined during the period between being tested and finding out the result. I want to thank them for their altruistic approach to concerns over the well-being of all working at CBL. The building logs that you have all helped to maintain greatly aided our ability to know how to respond to minimize the risk to other CBLers who have been working on campus. The text-based emergency system worked – it was one of the first times we used it for anything other than a snow storm. I also want to thank all on the facilities team who have been so diligent in cleaning buildings – when we brought an outside cleaning firm out to consult on our response, they said that they would do nothing beyond what we are already doing.

I am pleased to report the person who tested positive made a full and speedy recovery. I think this case does highlight the need for us to avoid COVID fatigue. It is all too easy to think that COVID was someone else's problem and not ours. This event brings to the fore that COVID remains everyone's concern. I know I can rely on all CBLers to continue to maintain their sense of vigilance on how we work, where we work and how we interact.

We have had several members of the CBL community experience the pain of losing loved ones – parents and sibling- in the last couple of months. I know all express their most sincere condolences. Keep your loved ones close. Let them know how important they are every day.



NOTEWORTHY AWARDS AND SUCCESSES

Christina Goethel wrapped up her 2-year position as the Graduate Student Council chair at the beginning of July. During her time in the position she served on numerous committees in addition to being GSC chair including (but not limited to): CBL Academic Council, Mental Health Resources Committee, Graduate Faculty Council, Faculty Senate, Administrative Council, University System of Maryland Student Council, UMCES Accreditation Working Group, UMCES Reaffirmation of Accreditation Steering Committee, COVID-19 Response Team and Reopening during COVID-19 Committee.

Chunqi Shen has been offered the position of associate professor at the College of Oceanography, Hohai University, China. He will be departing CBL in August to begin his new position.

Megan Munkacsy, Lisa Wainger's student, has been selected to receive funding for the 2020 Maryland Sea Grant Competitive Graduate Research Fellowship for her proposal

"2020-F002: Using Multi-Criteria Decision Analysis to Value Shallow Water Ecosystem Services in Maryland's Chesapeake Bay".

Jerelle Jesse successfully defended her Master's thesis on July 20th!

IN CASE YOU MISSED IT

Helen Bailey's M.S. student Amber Fandel gave a presentation on Dolphins off Maryland to the Chesapeake Bay Foundation with 180 attendees on 17 June 2020.

Hadley McIntosh Marcek became a contributing writer (volunteer basis) for [Geobites](#) and her first piece was published in June. Geobites is a science communication effort supported by AGU where short pieces are written to distill geoscience research papers for a lay scientific audience.

Take a look at the new [GSC website](#) on the UMCES page. It includes the new GSC chairs from CBL - Amber Fandel and Alexandra Gibbs.

Dolphins were sighted throughout the Bay during June and there were over 70 sightings reported on the Chesapeake DolphinWatch app over the 4th July

weekend. Below are a few wonderful photos by one of our DolphinWatchers Arden Haley taken on 29 June 2020 in the Miles River.



PUBLICATIONS

Chen, B., W.-J. Cai, J.R. Brodeur, N. Hussain, [J.M. Testa](#), W. Ni, Q. Li. 2020. Seasonal and spatial variability in surface pCO₂ and air-water CO₂ flux in the Chesapeake Bay. *Limnology and Oceanography*

[Rothermel, E.R.](#), M.T. Balazik, J.E. Best, D.A. Fox, B.I. Gahagan, D.E. Haulsee, A.L. Higgs, [M.H.P. O'Brien](#), M.J. Oliver, I.A. Park, and [D.H. Secor](#). 2020. Comparative migration ecology of striped bass and Atlantic sturgeon in the US Southern Mid-Atlantic Bight flyway. *Plos One* 15(6): e0234442. <https://doi.org/10.1371/journal.pone.0234442>

Danielson, S. L., O. Ahkinga, C. Ashjian, E. Basyuk, [L. W. Cooper](#), L. Eisner, E. Farley, K. B. Iken, [J. M. Grebmeier](#), L. Juranek, G. Khen, S. R. Jayne, T. Kikuchi, C. Ladd, K. Lu, R. M. McCabe, G. W. K. Moore, S. Nishino, F. Ozenna, R. S. Pickart, I. Polyakov, P. J. Stabeno, R. Thoman, W. J. Williams, K. Wood, and T. J. Weingartner. 2020. Manifestation and consequences of warming and altered heat fluxes over the Bering and Chukchi Sea continental shelves. *Deep Sea Research Part II: Topical Studies in Oceanography*:104781, <https://doi.org/10.1016/j.dsr2.2020.104781>

Paver, C. R., L. A. Codispoti, V. J. Coles, and [L. W. Cooper](#). 2020. Sampling errors arising from carousel entrainment and insufficient flushing of oceanographic sampling bottles. *Limnology and Oceanography: Methods*. [doi:10.1002/lom3.10368](https://doi.org/10.1002/lom3.10368) (UMCES Cont. No. 5861)

Video abstract: <https://youtu.be/yMlz2PJuRo>

Outreach

Creativity Challenges

During the telework period, Creativity Challenges are being hosted to try to keep a sense of community and to combat stress during this difficult time. These activities are intended to be family-friendly fun - You can get your kids involved, or any other family or friends who you are self-isolating with.

Keep your eyes open for future Creativity Challenge, usually released on Friday's! The results can always be found in the newsletter too!

Creativity Challenge #7: Ocean Collage Results



Alexandra Fries was awarded the Most Artistic Collage. Alexandra created an underwater coral reef scene. We particularly love the use of cut-out goldfish crackers to create a school of fish, and all of the textures and patterns that were used to create corals.



Laura Olivera was awarded the Best Underwater Scene. Laura's mixed media collage shows ocean pollution due to human waste. She did a great job of incorporating a meaningful message into her artwork - it is educational and artistic!



Jane (age 13) and Jeremy (age 8) Liang were awarded Best Youth Entry. Jane and Jeremy created an underwater scene with a sea turtle made from bits of a food magazine. All the features are made of the pictures of donut holes, fried chicken, green beans and so on... which certainly fits the creative theme of these challenges! Take a closer look and see what food you can spy!

Creativity Challenge #8: July 4th Bake-Off



Suzi Spitzer, who has been awarded Best July 4th Bake! Suzi's peach cinnamon pie did a great job of showing off the stars and stripes. She made her pie with fresh peaches that she picked with her husband on a farm on their way home from a camping trip in western Maryland.



Hadley McIntosh Marcek, who has been awarded Most Creative Bake! Hadley's entry title, Perseverant Patriotic (blueberry) Pie, was creative in itself. She also used creativity by shaping the cuts needed to vent steam out of her pie into the American flag.



Maureen Strauss and family, who have been awarded Best Family Bake! Maureen and her family baked their traditional strawberry shortcake, with blueberries, from scratch and assembled it together. This great, family celebration also did a wonderful job of featuring red, white and blue.



A late, but important entry. Nelleke Schijf and Hali Kilbourne made a flag cake - lemon chiffon cake with homemade strawberry rhubarb jam in the middle, decorated with whipped cream, wine berries and blueberries.

Outreach Cont.

PlasticWatch Signs Installed Along Solomons Boardwalk

If you've had the chance to stroll along the Solomons Island Boardwalk this month, you may have noticed something new. CBL's PlasticWatch team (Helen Bailey, Sarah Brzezinski, Carys Mitchelmore, Michael Gonsior, and Nicole Barbour), in coordination with the Calvert Marine Museum and the Calvert County Department of General Services, has finalized the installation of two new signs that will provide tourists and residents alike with information about the sources and break-up of plastic marine debris. A third and final educational sign, describing actions that individuals can take to reduce plastic pollution, is scheduled for installation in mid-July or early August, following the completion of Phase 2 of the railing replacement project.



Safety Corner: Cheryl Clark

WORKING ALONE

You should never be working alone in the laboratory. According to the OSHA Laboratory Standard - avoid working alone in a building; do not work alone in a laboratory if the procedures conducted are hazardous. If faced with a situation where you may feel the need to work alone:

1. Reconsider the need. Are the increased risks to your health and safety really outweighed by the return?
2. Reconsider the timing and the setup of the work. Is there any way to accomplish the required tasks during a time when others will be present?
3. If the timing of the task cannot be changed and you feel it must still be accomplished during a period when the laboratory is empty, is there any other person trained in laboratory procedures who can accompany you while you work?
4. If not, is there anyone else within the building who could act as a "buddy" to check on you periodically during the time that you feel you must work alone?
5. If no one can accompany you and you cannot find a "buddy" do not proceed with the work. The situation is unsafe. Speak to your supervisor to make arrangements to complete the work in a safe manner.

(Excerpted from Prudent Practices in the Laboratory (2011) The National Academies Press. Chapter 2, pgs. 17-18)

Here are two video links concerning working alone in the laboratory.

<https://www.youtube.com/watch?v=Y8DBd45W4hY&t=4s>

<https://www.youtube.com/watch?v=4twZQCFk7bg>

Development Activity

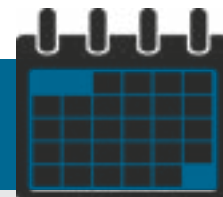
A Lending Tree survey, released last month, paints a troubling picture for charitable giving. Earlier this year survey respondents said they planned to maintain their giving levels. Similarly, donations to CBL were steady in comparison to 2019 and 2018. In this first month of the new fiscal year, CBL giving is down. The June Lending Tree survey found 15 percent of all donors surveyed were pausing their giving. A small percentage in the survey, six percent, increased their donation amounts. We've seen two donors in the last month give twice what they've given in past years.

In the months since telework began in March, Wharton continues to stay in contact with CBL donors and prospective donors through emails, texts and phone calls. On the phone or in email, donors have compliments for the Science for Citizens presentations. An online version of Science for Citizens may be developed for autumn. Wharton, Sarah Brzezinski, Renee Arnold, and Dr. Tom Miller this month are discussing possibilities for CBL online events, including online Open House.

Wharton and other UMCES development staff meet frequently by phone and Zoom with Vice President for Strategic Initiatives, Stuart Clarke. Development staff has had extensive online training with the Ellucian Advance database, the large database hosted by the University System of Maryland Foundation.

A couple of past donors have asked about the "Faculty Wish List." In prior years, several donors enjoyed giving funds or equipment for specific research programs or to support a student with a particular emphasis. If you have a "wish" for the list, contact jwharton@umces.edu.

UPCOMING EVENTS



Due to the Covid-19 Outbreak: All campus events, including sponsored on-campus and off-campus events, are cancelled, and no new events will be scheduled until further notice.

Invitation to UMCES Weekly Mindfulness

Join Denise Yost and your colleagues as we continue to find small ways to practice mindfulness and find a bit more ease during our continued quarantine. Practice continues in the usual friendly format, no experience necessary. Practice in real time and engage with others in short discussion questions as you'd like.

Moving forward there will be one offering per week for all at UMCES. These sessions will now move to a 30-minute format.

Thursdays @ 2:00pm, Staff/FRAs/Faculty/Graduate students

Join Zoom Meeting (Updated)

<https://zoom.us/j/96939404575?pwd=bjU2YzZhR0Z5TGFiYjY2lXQzltQT09>

Dial +13017158592

Meeting ID: 969 3940 4575

Password: 277857

