

Lab Lines

APRIL 2020

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DIRECTOR'S VIEW

Welcome to a locked down newsletter, and the world of working from home. I hope you and those you love are all healthy. That, after all, is the most important thing to focus on. We know that COVID-19 has caused pain in extended CBL family already, but I hope that this will be an isolated case.



In working from home, I am beginning to realize the convenience of working from the office – no dogs to walk, no temptation to potter in the garage. But then there is the fewer unplanned meetings. Hmm, not sure if that is a cost or a benefit. But regardless, working from home gives us new challenges, introduces new stresses and perhaps new opportunities. I have found that I need to

be kind to myself – to allow myself to have bad days for no apparent reason when it would just be easier to reach for that text book on my shelf, because I know there will also be good days, when I get more done than I expected. I ask that you be kind to yourselves – to allow yourself to celebrate the good days, and overlook the bad days. But I am also enjoying unexpected time with my wife. Enjoy your time with your loved ones whether they are in your home, or like me also in three different states and four different countries. We held a pub quiz to celebrate my nephews 34th birthday who is in Colombia. We puzzled over questions like, if an album turns at 33 rpm, has 33 minutes of music on each side, how many grooves are in the record.

We are beginning to think about coming back from this period of working from home. CBL will not suddenly open, but as the Governor and USM allows we will look at the risks and bring back staff and researchers where the risk is low and can be managed. I don't know when that will be, nor do I know how long we will be under restrictions once we come back. But, I know we will be back as a community, and we will celebrate the winners of the creativity challenges, celebrate successes, and recognize achievements. I am looking forward to that day. And by the way, it is one groove each side.



Calvert County
Commission for Women

Create Opportunities
Eliminating Barriers
Giving Recognition



We are delighted to announce that the 2020 Calvert County Business Person of the Year is our own Stacy Hutchinson. Stacy will receive the award in September at a gala at the Rod and Reel Restaurant. Stacy was recognized for her impacts on our campus – from seeing the Truitt project from design to completion, to innovating business processes and leading an administrative team that is empowered, creative and effective. This is a well-deserved recognition. Please give Stacy a virtual high five next to you see her on Zoom!

NOTEWORTHY AWARDS AND SUCCESSES

Christina Goethel was awarded a Graduate Student Summer Research Fellowship for Summer 2020. Summer Research Fellowships provide support to doctoral students in the period shortly before or after advancement to candidacy. The Fellowship enables doctoral students to devote a summer of focused work to prepare for or complete a benchmark in their program. The goal is to help doctoral students to take a significant step forward in their studies in order to reduce time-to-degree, increase degree completion, and enhance the graduate student experience.

Benjamin Colbert, a PhD student in the Bailey lab, had a paper accepted by The Journal of the Acoustical Society of America titled "Trends and developments in international regulation of anthropogenic sound in aquatic habitats."

Ellie Rothermel (recent MS student, Secor Lab) has accepted a new staff science position at the Partnership for the Delaware Estuary, beginning later this Spring.

Dave Secor was nominated to the ICES Working Group on Offshore Wind Development and Fisheries, a joint

US-European team evaluating the coexistence of offshore wind energy and fisheries. Their first meeting is 27-29 April by webinar.

IN CASE YOU MISSED IT

Lee Cooper, Jackie Grebmeier, Christina Goethel, and Chelsea Wegner Koch participated in the Arctic Science Summit Week and Arctic Observing Summit from March 27- April 2. Coordinated from Akureyri, Iceland, by the International Arctic Science Committee (IASC) it included poster presentations, a meeting of IASC's Marine Working Group, a Synoptic Arctic Survey research planning meeting, and a meeting of the Pacific Arctic Group to facilitate international science planning. Because of the distribution of ~650 participants around the world, the on-line meeting took place nearly around the clock for a week, starting as early as 4 AM EST and extending to midnight to accommodate local participation.

Helen Bailey gave a webinar on "Movement ecology of endangered sea turtles" on April 15th to Bournemouth University in the UK.

Jeremy Testa and Lora Harris presented to the Chesapeake Bay Program Quarterly Modeling Workgroup. They talked about the

aeration workshop held in early March and main takeaway messages in regards to engineered oxygenation of tidal waters.

We had our first dolphin sighting reported to Chesapeake DolphinWatch in the middle Bay, signaling the return of dolphins to the region in 2020. The small group of bottlenose dolphins (estimated at 5-10 individuals) was reported on March 31, 2020 near the mouth of the Little Choptank River. Jamie Testa, the project coordinator, also has updates on our Chesapeake DolphinWatch facebook page: <https://www.facebook.com/ChesapeakeDolphinWatch/>.

Nicole Barbour, a PhD student in the Bailey lab, gave a webinar on animal movement and her dissertation research on sea turtles, "Tracking Little Dudes in the Ocean", as a NASA guest researcher on March 11. This talk was part of the Endeavor STEM Teaching Certificate Project, which is funded through NASA's Science Mission Directorate to educate K-12 teachers in current STEM research methods so that they can implement STEM projects in their own classrooms.

Mike O'Brien, Ellie Rothermel, and Alex Carroll attended the annual Mid-Atlantic Telemetry Observing System meeting on April 3.

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.

Congratulations to the winners of the first Creativity Challenge, the Great Hedgehog Bake-Off:



Maureen Strauss and daughters Anna and Robyn won the Most Creative Use of Ingredients



Jerelle Jesse won the Most Chocolatey Hedgehog



Fiona Woodland and some other Woodland critters, won the Most Unique Hedgehog



Samantha Mais and daughter Emma, won the Best Hedgehog

Please also join us in congratulating winners of the second Creativity Challenge, in which participants created real or imaginary sea creatures out of their household recycling:



Alex Fireman won Best Sea Creature for her colorful mermaid



Skyler Golt won Most Unique Sea Creature and Most Creative Name and Description



Maureen and Bill Strauss won Most Creative Use of Materials

Visitor Center

The Chesapeake Biological Laboratory Visitor Center will be closed during the month of May. All on and off campus CBL Outreach activities have been cancelled through June 1st due to continued concerns about the COVID-19 coronavirus.

Earth Day

Earth Day is coming up on April 22nd, and will coincide with the celebration of Chesapeake Bay Week from April 19-25th. To support families with children learning at home during the COVID-19 coronavirus pandemic, we are working to create webpages for the Wave of Plastic Curricular materials. During Chesapeake Bay Week, we will be working to create a landing page on the UMCES website, and to post materials that will support a Waste Inventory activity that is designed to help children in middle school understand the choices that are available for reducing their personal plastic waste.

IMET Virtual Open House

IMET's Open House will be a virtual event this year on May 02, 2020 at 1:00pm to at 4:00pm. They plan to use videos, interviews, and activities posted on IMET's website. CBL Outreach will be providing a short activity packet in support of our sister-lab's efforts.

AN ATTITUDE OF GRATITUDE

I know this can be a difficult time for some of us, but I thought it would be a good idea for us to take the time to be grateful for what we have. As I sit here in my home during this COVID-19 shutdown, I am remembering the stories my grandfather told me about the 1918 flu pandemic. He was 9 years old at the time, but he remembered it very well. Both of his parents died within two months of each other leaving him and his siblings orphaned. His siblings were adopted out, but he was not, so he was sent to an orphanage which was horrible. From his description, it sounded Dickensian. He made several attempts to escape, but was caught and returned. Finally, at the age of 12 he was successful. I am so grateful that is not my story. One hundred years from now, for most of us the stories that will be told are how we were able to communicate with family and friends, have virtual gatherings, read, and pursue hobbies, spend time with our children etc. We should also be grateful that we have clean water, sanitation, food, heat/air conditioning, electricity and stellar medical care. We must remember to pray for those who have been affected by this virus and all the people on the front lines of this epidemic.

We will be back together soon. In the meantime, please remember to stay home unless it is necessary to leave, wash your hands and cover your face if you go out in public.

Publications

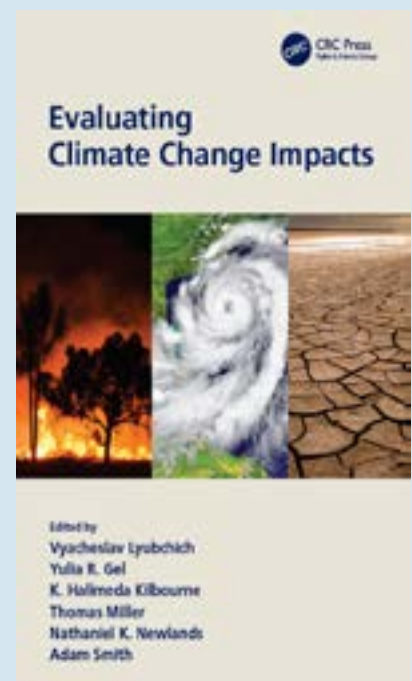
The following CBL student-led paper will be published April 22 in PLOS One: Seasonal and latitudinal variations in sea ice algae deposition in the Northern Bering and Chukchi Seas determined by algal biomarkers, by Chelsea Wegner Koch, Lee W. Cooper, Catherine Lalande, Thomas A. Brown, Karen E. Frey, and Jacqueline M. Grebmeier

Markin, E.L. and D.H. Secor. 2020. Growth of juvenile Atlantic sturgeon (*Acipenser oxyrinchus*) in response to dual-season spawning and latitudinal thermal regimes. *Fishery Bulletin* 118:74-86.

Soliman M, Lyubchich V, Gel YR (2020) [Ensemble forecasting of the Zika space-time spread with topological data analysis](#). *Environmetrics*. (Cont. No. 5841)

Lyubchich V, Gel YR, Kilbourne KH, Miller T, Newlands NK, Smith A (eds.) (2020) *Evaluating Climate Change Impacts*. (Applied Environmental Statistics Series) Boca Raton, FL: CRC Press. (Cont. No. 5843)

Bailey S, Olivera-Villaruel SM, Lyubchich V (2020) Assessing the impacts of inclement weather on traffic accidents in Mexico City. In V Lyubchich et al. (eds.) *Evaluating Climate Change Impacts*. Boca Raton, FL: CRC Press. (Cont. No. 5844)



Development Activity

The year began with donations from two alumni and gifts to Chesapeake DolphinWatch and CBL Terrapin, Turtle and Frog Research. This quarter, donor support is \$3,000 more than this period in 2019. But, in these uncertain times, fund development efforts in education and non-profit sectors have been impacted by event cancellations, travel restrictions, and stock market volatility.

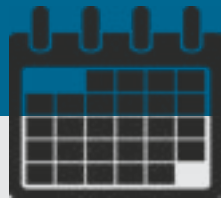
Wharton continues to work with individual donors and foundations for funding to support students and programs. She also works with editors and reporters. In April stories about CBL appeared in the [Old Town Crier](#), the Calvert Recorder, and other local and regional media.

UMCES development staff meet frequently by phone and Zoom with Vice President for Strategic Initiatives Stuart Clarke. In the past two months development staff has also had training with the Ellucian Advance database.

Wharton and Outreach Coordinator, Sarah Brzezinski have worked closely this month with CBL Director Dr. Tom Miller and UMCES Communications Director Amy Pelsinsky on messaging concerning the postponement or cancellation of events.



UPCOMING EVENTS



Due to the Covid-19 Outbreak: All campus events, including sponsored on-campus and off-campus events, are cancelled through June 1, 2020, and no new events will be scheduled until further notice.

Brown bag seminars will continue to take place on Fridays over Zoom at 12 PM. Meeting ID: 700-221-530. Pwd: CBLBB. Visit CBL Events Page for [topics](#).

Invitation to UMCES: Creating Your Win-Win: What's Now & What's Next

Graduate students/FRAs - Tuesdays @ 3:30 p.m.
Join Zoom meeting: <https://zoom.us/j/736442215>
Meeting ID: 736 442 215

Phone
1-929-205-6099 / 736442215# US (New York)
1-312-626-6799 / 736442215# US (Chicago)

Staff/FRAs - Thursdays @ 2:00 p.m.
Join Zoom meeting: <https://zoom.us/j/238254703>
Meeting ID: 238 254 703

Phone
1-929-205-6099 / 238254703# US (New York)
1-312-626-6799 / 238254703# US (Chicago)

Faculty - Wednesdays @3:30 p.m.
Join Zoom meeting: <https://zoom.us/j/811668694>
Meeting ID: 811 668 694

Phone
1-312-626-6799 / 811668694# US (Chicago)
1-929-205-6099 / 811668694# US (New York)



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