


February 2019



Bay Water Quality      Marsh Restoration      Oyster Restoration

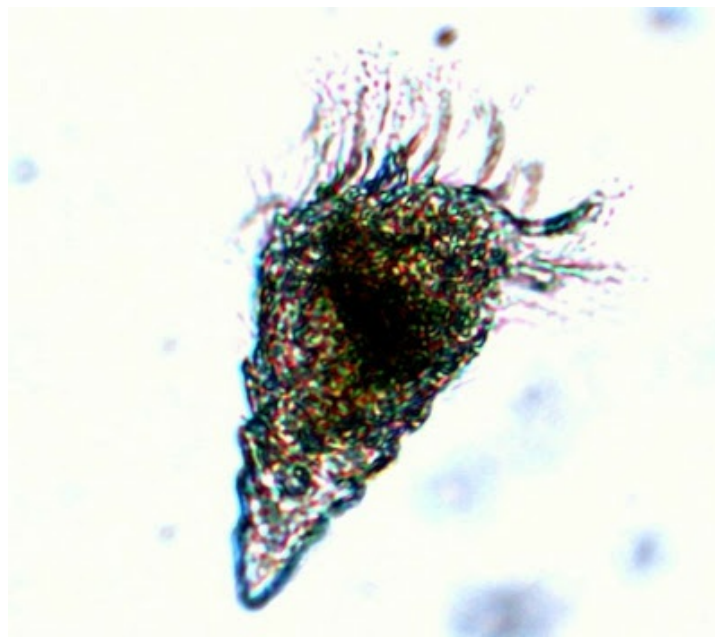
# Brief...but Interesting

Highlights from Horn Point Laboratory

**Freaks of Nature**  
**New Home for Prehistoric Friends • Visualize Climate Changes •**  
**Spotlight On Graduate Students, Women in Science**  
**Upcoming Events**

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## **Freaks of Nature, the organisms that rule our planet**



It's complicated as most of life is, and for 40 years [Diane Stoecker](#), HPL professor, has been on to something big that impacts the way we understand oceans, from their critical food web to keeping a lid on carbon. Marine plankton, tiny single-celled critters, have

historically been categorized as plant-like phytoplankton or animal-like zooplankton. What Diane identified is some of these critters are getting the best of both worlds, they are plant and animal, freaks of nature, that are ruling our planet.

[READ MORE](#)

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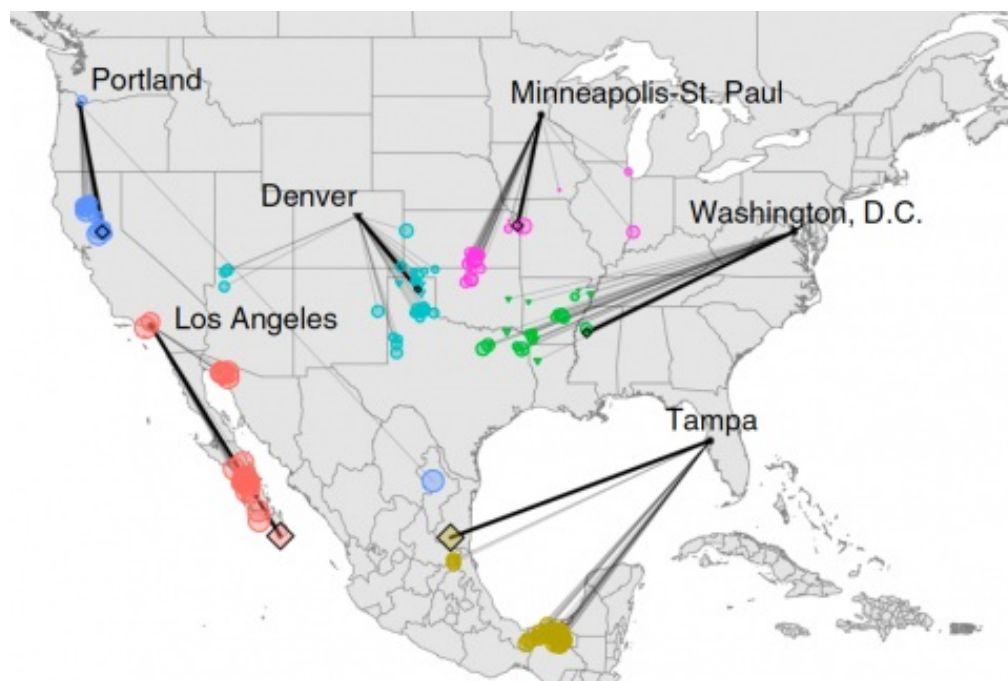


## New home for Prehistoric Friends of the Chesapeake Bay

After years of living at the Horn Point Lab five fabulous fish from Maryland DNR's sturgeon program now reside at the [N.Y. Aquarium](#) in Brooklyn. Due to budgetary challenges Maryland DNR was forced to close the sturgeon program. DNR sent five of the BIG wild sturgeon to Brooklyn in November and they went on display two weeks ago. They seem quite happy in their new environment.

[Video from NY Aquarium:](#)

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**New web application helps visualize climate changes  
in 540 North American cities:**

In one generation, the climate experienced in many North American cities is projected to change to that of locations hundreds of miles away—or to a new climate unlike any found in North America today. A new study and [interactive web application](#) aim to help the public understand how climate change will impact the lives of people who live in urban areas of the United States and Canada. These new climate analyses match the expected future climate in each city with the current climate of another location, providing a relatable picture of what is likely in store.

As follow up to HPL professor Ming Li's "[Planning and Preparing through Predictions](#)" in January's BBI, explore this interactive map created by UMCES spatial ecologist, Matt Fitzpatrick.

[READ MORE](#)

[Listen to Science Friday pod cast for more on this subject](#)

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## Spotlight on Graduate Students

### HPL Women coming to the forefront in Science:



[The International Day of Women and Girls in Science](#), designated by the United Nations, was celebrated February 11. "Science and gender equality are both vital for the achievement of the internationally agreed development goals, including the 2030 Agenda for Sustainable Development...At present, less than 30 per cent of researchers worldwide are women."

Graduate students at HPL are righting this ship. Starting a chapter of [Society for Women in Marine Science](#) (SWMS) is one step. HPL's faculty consists of 30% women with 70% of the graduate students being women. With over 40 members [HPL-SWMS](#) is making a big splash with programs, guest lectures, and volunteering in local public school STEM programs.

[READ MORE](#)

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## Upcoming Events

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*Science Bytes with HPL*



PRESENTS

## SCIENCE BYTES With HPL

Learn, Sip & Taste

Get to know scientist, **Pat Glibert**, as she discusses harmful algal blooms and their impact on the Bay, Florida and around the world.



**THURSDAY, MARCH 7**

6:00 to 7:30pm

Piazza Italian Market in Easton

\$25/person includes one glass of wine or beer + cash bar

Reservations -

[www.umces.edu/events/science-bytes-march](http://www.umces.edu/events/science-bytes-march)

or Carin Starr 410-221-8408, [cstarr@umces.edu](mailto:cstarr@umces.edu)



featuring Dr. Patricia Glibert

Learn, sip and taste

Join us for an enlightening evening with [Dr. Patricia Glibert](#), HPL professor, and learn about her extensive global research on nutrient pollution and harmful algal blooms (HAB).

Thursday, March 7

6 to 7:30 PM

Piazza Italian Market, Easton

\$25 per person

[Register here](#)

## Science After Hours with HPL

Talks from HPL scientists on current environmental topics

Monday, March 25 - Louis Plough

*"What's in your water? Find out using eDNA sampling"*

Monday, April 29 - Tom Fisher

*"Good news for the Choptank: improving water quality in the estuary"*

6:30 to 7:30 PM

Easton Branch of Talbot County Free Library

**FREE**

[Register here](#)

## Chesapeake Champion 2019

**SAVE THE DATE!**

Thursday, May 30th

5-7 pm

Waterfowl Building, Easton

Questions: email or call Carin Starr, [cstarr@umces.edu](mailto:cstarr@umces.edu) or 410-221-8408

## SUPPORT SCIENCE

Your tax-deductible gift will help us continue to foster a more healthy and prosperous environment through unbiased scientific research and the education of the next generation of science leaders. [DONATE HERE!](#)

With ongoing research programs spanning from the estuarine waters of the Chesapeake Bay to the open waters of the world's oceans, Horn Point is a national leader in applying environmental research and discovery to solve society's most pressing environmental problems.

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CENTER FOR ENVIRONMENTAL SCIENCE  
HORN POINT LABORATORY

