



# NOAA's Teacher at Sea Program



2018 Year in Review



# NOAA Teacher at Sea Program 2018 Year in Review



2018 Teacher at Sea (TAS) **Eric Koser** and  
NOAA Ship *Rainier*

## Overview

- 2018 Season
- Web and Social Media
- Change Stories
- Alumni Activities
- Perspectives



# 2018 Season: By the Numbers



TAS '18 **Justin Garritt** poses with a pile of krill on board NOAA Ship *Bell M. Shimada*

- In 2018...
- **34** Teachers at Sea
- representing **26** states
- conducted a combined total of **5652** research hours
- and wrote **235** science blog posts.
  
- **300+** TAS Alumni remained connected with the program,
- participating in **22** outreach events
- and appearing in **18+** media items.





# Web and Social Media

## Most Popular Photos of the Week

### Name that Seafood Species (October 15, 2018) Photo by TAS '18 Jeff Peterson



#PhotoOfTheWeek October is National #SeafoodMonth! 🐟 Can you name these #seafood species from the western #GulfofMexico? Photo by TAS'18 Jeff Peterson on board @NOAA Ship Oregon II in July. For more info & answer key, see: [go.usa.gov/xQWCz](http://go.usa.gov/xQWCz)



Twitter Impressions: 5,340 users  
Twitter Engagement: 79 interactions

### Women of the NOAA Corps (March 12, 2018) Photo by TAS '11 Lindsay Smith



Facebook Reach: 2,216 users  
Facebook Engagement: 490 clicks, likes, or shares



# Sharing Our Stories



- **Most Significant Change (MSC) Evaluation Technique**
  - Identified 15 Significant Change stories in which alumni are making a significant impact on their classrooms and communities

*Filmed in November 2017, this MSC video features TAS '16 **Mary Cook** describing how NOAA's Teacher at Sea Program has helped her science teaching in the remote community of Scammon Bay, Alaska*



<http://teacheratsea.noaa.gov/#/highlights>



# TAS Alumni Outreach Events



TAS '07 **Liz Martz** poses with ADM Gallaudet at NOAA's Open House in Silver Spring, Maryland (February 2018)



TAS '14 **Dana Clark** shares NOAA resources at the Conference for the Advancement of Science Teaching in Fort Worth, Texas (November 2018)



# Bringing NOAA to the Classroom: Scientist Visits



NOAA biologist **Lisa Jones** dissects sharks for first and second graders during “Ocean Day” at TAS ‘15 **Trevor Hance**’s school, Laurel Mountain Elementary, in Austin, Texas (March 2018)



NOAA biologist **Andre DeBose** teaches students about sharks at TAS ‘17 **Chris Murdock**’s school, Regina High School, in Iowa City, Iowa (April 2018)



# Bringing NOAA to the Classroom: NOAA Corps Officers Visit



NOAA Corps officers **LT Jamie Park** and **ENS Luke Evancoe** give a presentation to students at TAS '18 **Dana Kosztur**'s school, St. Martin Middle School, in Ocean Springs, Mississippi (October 2018)



# NOAA Ships *Fairweather* and *Rainier* 50<sup>th</sup> Anniversary



TAS Alumni joined the celebration of the 50<sup>th</sup> Anniversary of sister NOAA Ships *Fairweather* and *Rainier* in Newport, Oregon, on March 22, 2018. Since 1990, more than 100 TAS have sailed on the two ships.



TAS '14 **Denise Harrington** presents a plaque honoring NOAA Ship *Rainier* to **CDR Ben Evans**

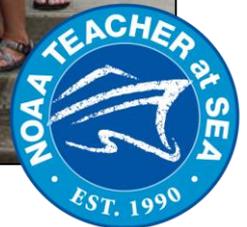


TAS '17 **Lisa Battig** presents a plaque honoring NOAA Ship *Fairweather* to **CDR Mark Van Waes**

# Southeast TAS Alumni Workshop

Charleston, South Carolina

May 18-20, 2018



- **Attendees:**

- 14 alumni from 8 states
- 11 scientists and staff from NOAA labs and partnering Charleston institutions

- **Agenda:**

- TAS Poster Session
- Art and Science presentation
- Behind-the-scenes tour of South Carolina Aquarium
- Caper Island wildlife tour
- Lesson Share
- 3 days of science and networking!

# New England TAS Alumni Workshop

Woods Hole Oceanographic Institute, Woods Hole, Massachusetts

November 3, 2018

- Attendees: 15 alumni from New England states
- Agenda: Presentations, networking and lesson-sharing
- Hosted by Woods Hole Sea Grant





# Teacher Perspectives



“Being involved with this unique opportunity to understand the wonders of the unknown ocean has helped me **invigorate my classroom with a sense of wonder**, discovery, and adventure.”

- TAS '18 **Meredith Salmon**



# Teacher Perspectives



“I appreciate all the lessons and stories that crew members and scientists shared throughout the trip. This experience **awakens the scientist in me** and inspires action in my classroom and community.”

- TAS '18 **Jennifer Dean**





# Teacher Perspectives



“My experience as a NOAA Teacher at Sea has reinvigorated me as a teacher. The techniques the NOAA scientists taught me not only allowed me to contribute to their research in a small way, but it gave me an **opportunity to collect data that I can immediately integrate into my classroom.**”

– TAS '18 David Knight



# Teacher Perspectives



**“I can’t believe how much I learned in such a short time** about life and work at sea, careers, seafood, NOAA and its online resources... I’m extremely grateful to everyone on *Oregon II* for being so welcoming and friendly, and for being so willing to speak with me. Although there were some setbacks, I got the chance to visit the lab and meet the wonderful scientists who showed me around. It’s hard work, but everyone agrees that it’s **meaningful, rewarding and exciting.**”

- TAS '18 **Angela Hung**





# Teacher Perspectives



“One of my goals as a science and math teacher is to provide students with many opportunities to ask questions, explore, think critically, and be inspired to continue a lifelong journey of learning and growth. My experience with NOAA and NOAA Ship *Thomas Jefferson* will **forever have an impact on my classroom** and for that, I am extremely grateful.”

- TAS '18 **Brandy Hill**





# Alumni Perspectives



“My “Young Scientists” program was inspired in 2015 after participating in my first Teacher at Sea trip on board NOAA Ship *Henry Bigelow*. Prior to my [2018] journey to Alaska, I visited those elementary schools introducing them to the mapping that we were going to conduct and the important mission of NOAA... While on board [NOAA Ship *Fairweather*] I met new friends and I have learned so much. **I will be bringing home new lessons and activities for years to come.**”

- TAS '15/'18 **Tom Savage**

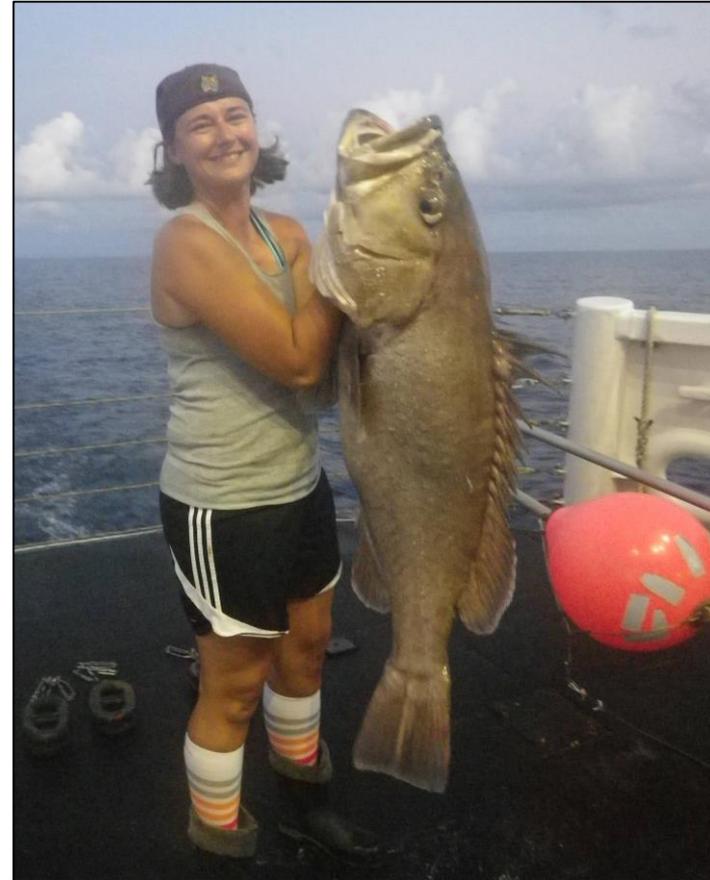


# Scientist Perspectives



“Teachers in general are very enthusiastic and curious about everything. **The enthusiasm is infectious** and makes for an extra fun working environment. It is also awesome to know that their experiences with us are then used as **real world examples** for students to learn from.”

– Biologist **Chrissy Stepongzi**



*Biologist Chrissy Stepongzi holding a large red grouper.  
Photo by TAS '16 Barney Peterson*



# Scientist Perspectives



“David wanted hands-on experience in all aspects of our work, and he was able to see the bigger picture and translate it into his blog. He was exceptional!”  
– Biologist **Nate Bacheler**



*Biologist Nate Bacheler.  
Photo by TAS '14 Kevin McMahon*



# Scientist Perspectives



“Kimberly was very helpful in assisting us in any task that she was given. Her enthusiasm and positive attitude were very welcome as well.”

- Biologist **Keith Sakuma**

*Chief Scientist Keith Sakuma.  
Photo by TAS '13 Patty McGinnis*



# NOAA Corps Perspectives



**“The TAS program is mutually beneficial; it provides a conduit for outreach as well as a boost to morale for the crew showing the value of their work.”**

**– LCDR Meghan McGovern**

*LCDR Meghan McGovern when she was FOO on board NOAA Ship Rainier.  
Photo by TAS '13 Susy Ellison*

