

National Oceanic and Atmospheric Administration

Corps of Commissioned Officers



New York City College of Technology

Internship and Fellowship Seminar

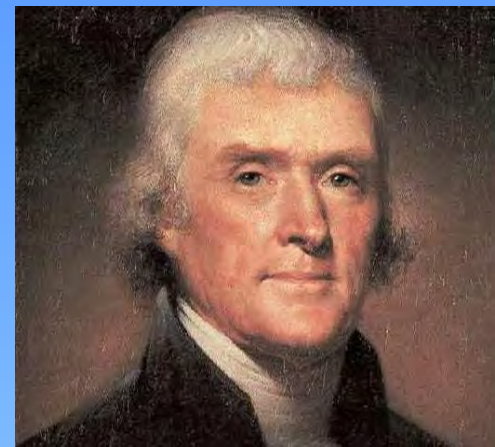
May 8, 2012

CDR Will Odell



Office of Marine and Aviation Operations

1807. Our Beginning.

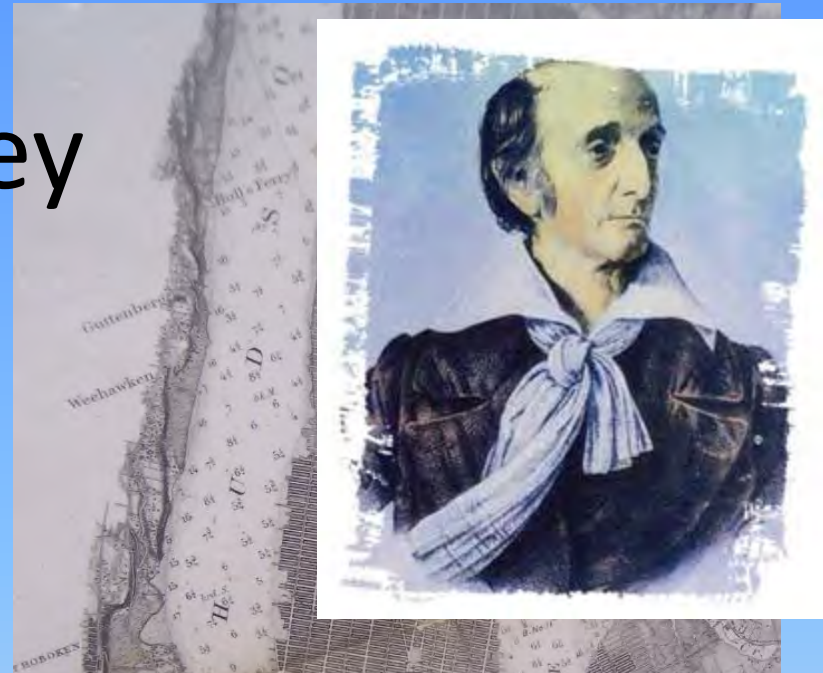


- **Thomas Jefferson**
 - **Realized the growing nation needed a survey of the entire coastline of the United States, to ensure safe passage of people and trade goods.**
 - **Congress agreed and on February 10th 1807 they established the Survey of the Coast, our nations first scientific agency.**
 - **The survey was tasked with making accurate charts of every mile of navigable water in the United States. This endeavor continues today!**

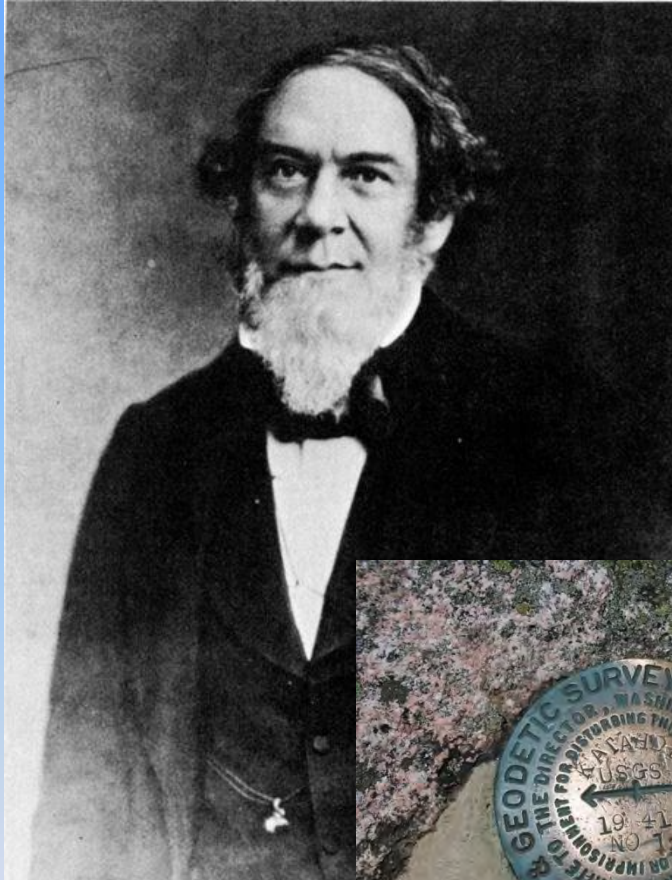


The Coast Survey

- New York Harbor was the first chart created and took 20 years to produce.
- He set the surveying bar at its highest level possible and his legacy continues to this day
- NOAA's newest survey ship "Ferdinand R. Hassler" bears his name.



Expansion and Innovation



- As the country expanded the need for more and highly accurate charts increased.
- As need grew so did technology and the development of standardized procedures.
- Alexander Dallas Bache the second administrator of the US Coast Survey introduced automated tide gauges, and the “Red Right, Return” buoyage system.



Becoming a Uniformed Service

- Initially Naval and Army officers were assigned to the survey teams and worked alongside the civilians.
- During the Civil War all Army officers were removed and never returned. Only 2 Navy officers remained.
- The civilian surveyors continued their work, however not wearing uniforms they found themselves in a precarious situation. If caught behind enemy lines they would be treated as spies and executed.



A Uniformed Service



- In 1917 Congress created the U.S. Coast and Geodetic Survey from the existing Survey of the Coast and commissioned their officers, protecting them under the Geneva Convention.
- During World War I and World War II these officers participated as intelligence gatherers, surveying battlefields and landing sites, laying mines, in artillery support, navigating troop transports, and in many other technical roles.



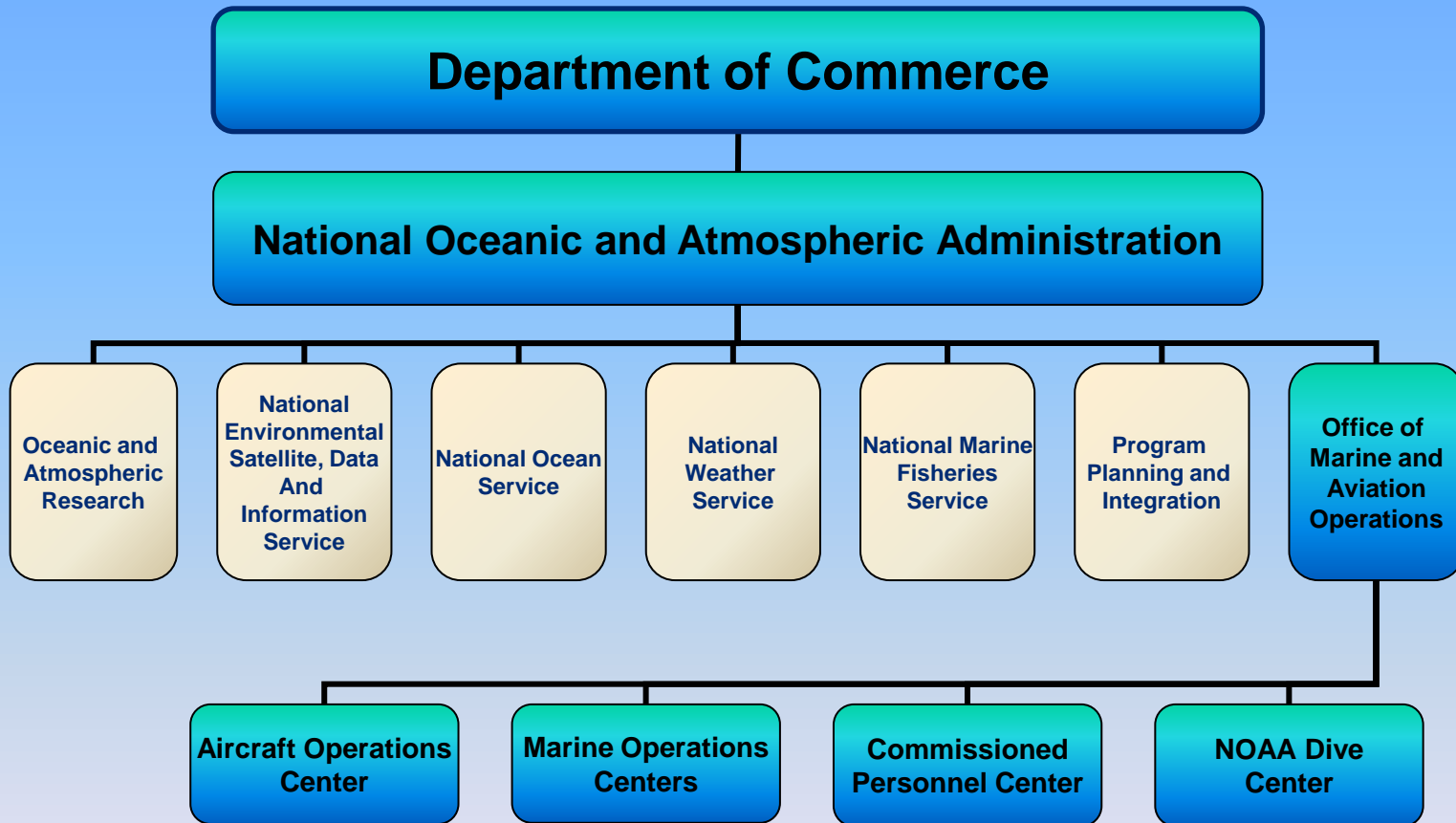
1970, The Modern NOAA Corps



- In 1965 the USC&GS became the Environmental Science Services Administration (ESSA), falling under the US Department of Commerce
- In 1970 ESSA was dissolved, and was replaced by the National Oceanic and Atmospheric Administration (NOAA)
- NOAA Consists of seven line offices
 - National Ocean Service
 - National Weather Service
 - National Marine Fisheries Service
 - Office of Marine and Aviation Operations
 - Office of Program Planning and Integration
 - Office of Oceanic and Atmospheric Research
 - National Environmental Satellite, Data, and Information Service
- Commissioned Officers moved with the organization from the USC&GS to ESSA, and finally to the current NOAA Commissioned Officer Corps



NOAA Corps Organization

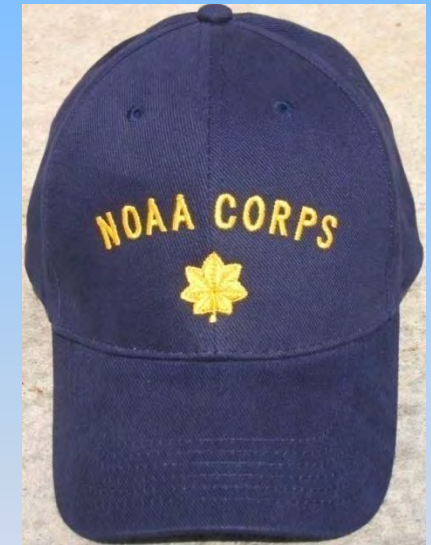


A Uniformed Service

- The NOAA Corps is one of the seven uniformed services, just like the military services or the Public Health Service.
- Currently authorized by Congress to a compliment of 321 commissioned officers from O-1 through O-8
- Although the NOAA Corps is not a military service, they are a uniformed one serving the country under oath, entitling NOAA officers to most of the rights, privileges, and benefits as any other uniformed service



NOAA Corps Uniforms



18 Ships

9 Homeports

○ KETCHIKAN , AK (1)



Fairweather

**MOC-PACIFIC
Newport, OR
(3)**



Rainier



McArthur II

MISSIONS
Nautical Charting
Fisheries Research
Oceanographic Research
Coastal Monitoring
Ocean Exploration

**MOC-ATLANTIC
Norfolk, VA
(1)**



Thomas Jefferson



Delaware II

FERDINAND HASSLER



CHARLESTON (2)



Ronald H. Brown



Nancy Foster

**PASCAGOULA
(3)**



Gordon Gunter



Pisces



Oregon II

Temporary Homeports:

HONOLULU, HI



Okeanos Explorer

NEWPORT, RI



Henry Bigelow

HONOLULU (3)



Hi'ialaki



Oscar Elton Sette



Ka'imimoana



11 Aircraft



Shipboard Duties



- A NOAA officer's primary shipboard duties include:
- Ensuring safe shipboard operations including proper planning, navigation, equipment deployment, and execution of emergency procedures.
- Officers provide the leadership and support necessary for day to day operations.



Fisheries Vessels

- These vessels provide an understanding of the physical and biological processes that control year-class strength of key economic fish species.
- They also conduct habitat assessments, survey marine mammal and marine bird populations, and observe other environmental conditions.



Hydrographic Survey Vessels



- Survey vessels create precise ocean maps of our nation's waterways, ensuring the safe passage of cargo and passenger ships alike.
- Unlike other ships, officers working aboard these ships are directly involved with data collection and processing.



NOAA Aviation

NOAA aircraft perform many types of aerial research.

- Gathering atmospheric data while flying in very close proximity and actually inside hurricanes.
- Measuring snow pack and glaciers.
- Conducting whale and other endangered species assessments.
- Improving the accuracy of aerial navigation charts.



NOAA Corps Divers



- NOAA Corps divers serve many purposes throughout NOAA
- Some duties include wreckage recovery, research assistance, and ship maintenance or hull inspections.



Join the Excitement!



Office of Marine and Aviation Operations

I am a NOAA Commissioned Officer.

I am an Operational Specialist at Sea or in the Air.

I am a Scientist and a Steward of our Oceans & Atmosphere.

Above all though, I am a Leader, dedicated to Safety, Operational Excellence, Professionalism, and the Citizens whom I serve.

I serve with Honor, Respect, and Commitment to my Country and my Corps.

I am always there, from line office to the front line of scientific discovery!



Contact Us

- Main Website

- www.noaa.gov

- Officer Recruiting Branch

- NOAACorps.Recruiting@noaa.gov

- 800-299-6622

- Student Opportunities

- http://www.education.noaa.gov/Special_Topics/student_topp.html



BACKUP SLIDES



Internship Opportunities



The screenshot displays the NOAA Education Resources website. At the top, the NOAA logo is on the left, and the text "NOAA EDUCATION RESOURCES" is in the center, with "NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION" in smaller text below. A navigation menu includes links for Home, NOAA Education, About this Site, Contact Us, and Feedback. A search bar is on the right. Below the navigation, there are tabs for Ocean and Coasts, Climate, Weather and Atmosphere, Marine Life, Freshwater, and Special Topics. The main content area is titled "Student Opportunities" and features a photograph of two students in a boat collecting fish samples. To the right of the photo is a paragraph explaining the website's purpose. Below this is a "Featured Student Opportunities" section with tabs for Scholarships, Internships, Fellowships, and Special Opportunities. Under "High School Opportunities", there is a "High School/High Tech (HS/HT)" section with a "Program Description" box. A "Trusted sites" icon is visible in the bottom right corner of the browser window.

NOAA EDUCATION RESOURCES
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

» Home » NOAA Education » About this Site » Contact Us » Feedback

Search up to five terms **SEARCH**

Ocean and Coasts | Climate | Weather and Atmosphere | Marine Life | Freshwater | Special Topics

Home » Special Topics » studentoppo

Student Opportunities



Students collecting fish samples

The Student Opportunities website is designed to provide information about educational opportunities that are available throughout NOAA. Information on scholarships, internships and fellowships including a brief description of each program; application deadline; award amount; dates of opportunity; contact name, telephone number, and e-mail address; and website for the various opportunities are found on this site.

The Special Opportunities section contains student opportunities categorized by geographic location, underrepresented communities and opportunities specific to students with disabilities.

Featured Student Opportunities

SCHOLARSHIPS | **INTERNSHIPS** | FELLOWSHIPS | SPECIAL OPPORTUNITIES

HIGH SCHOOL OPPORTUNITIES

Opportunity Level:

- » High School
- » Undergraduate
- » Graduate

High School/High Tech (HS/HT)

Program Description: The HS/HT program is a program for high school students with disabilities. This program has several goals: to motivate students to explore their own interests and potential in the

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