



### **Explore** the ocean,

seeking out **new discoveries**in the fields of geology, biology,
maritime history, and archaeology
while pushing the boundaries of

STEM education and technological innovation.



DESSC | DECEMBER 2019

### 2019 (COMPLETED)

- Traction winch installation below deck
- DP upgrade
- Wet lab renovation

### **2019/20** (IN PROGRESS)

- Re-engining
- · Funnel redesign, and
- Fabrication of configurable 3-van
   ROV control center





SHIP

UPGRADE

5



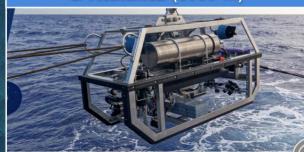


ROVs Hercules & Argus (4000-m, 6000-m)





**ROVs Little Hercules** & Atalanta (6000-m)



OCEAN EXPLORATION TRUST



**HOWLAND ISLAND** 

**BAKER ISLAND** 

PACIFIC SEAMOUNTS

-0

MONTEREY
CORDELL BANK
GREATER FARALLONES

NATIONAL MARINE SANCTUARIES

**GORDA RIDGE** 

OSBORN BANK



JOHNSTON ISLAND



CLARION-CLIPPERTON FRACTURE ZONE



KINGMAN REEF

PALMYRA ATOLL



JARVIS ISLAND

GARDNER ISLAND







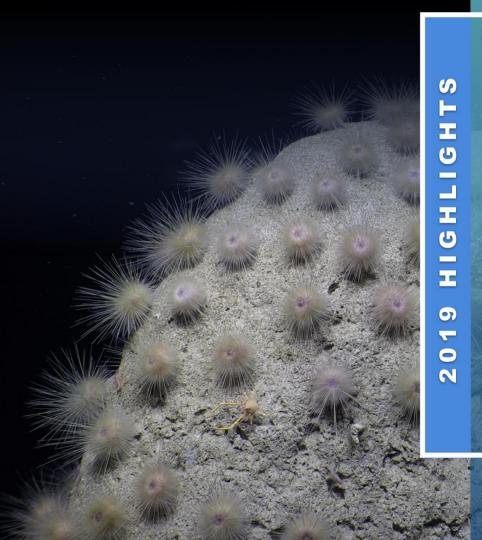












#### CRUISES

13 cruise legs193 days (175 aboard Nautilus)150+ participating scientists

#### **MAPPING**

135,342 km² of seafloor mapped

### **ROV OPERATIONS**

65 dives, 1,044 hrs dive time & video 639 samples, 618 subsamples (1,257 samples)

### LIVE STREAM

1.5M+ views

#### **PRESS**

2,000+ news features





Applied Marine Sciences | PCB pump

Coda Octopus Group | Echoscope sonar

National Geographic Society | Deep ocean drop cameras & Aerial drones

Scripps Institution of Oceanography | Wave buoys

Pacific Marine Environmental Lab | MAPRs

SoFar Ocean Technologies | Spotter buoys

University of New Hampshire CCOM | ASV & Aerial drones

University of Rhode Island | Laser mapping system & Norbit multibeam sonar

University of Texas Rio Grande Valley | Suspended particulate rosette (SUPR)

Woods Hole Oceanographic Institution | MISO GoPro, IGTs





MAY 6, 2019

NOAA announces

\$94-million
Ocean Exploration
Cooperative Institute

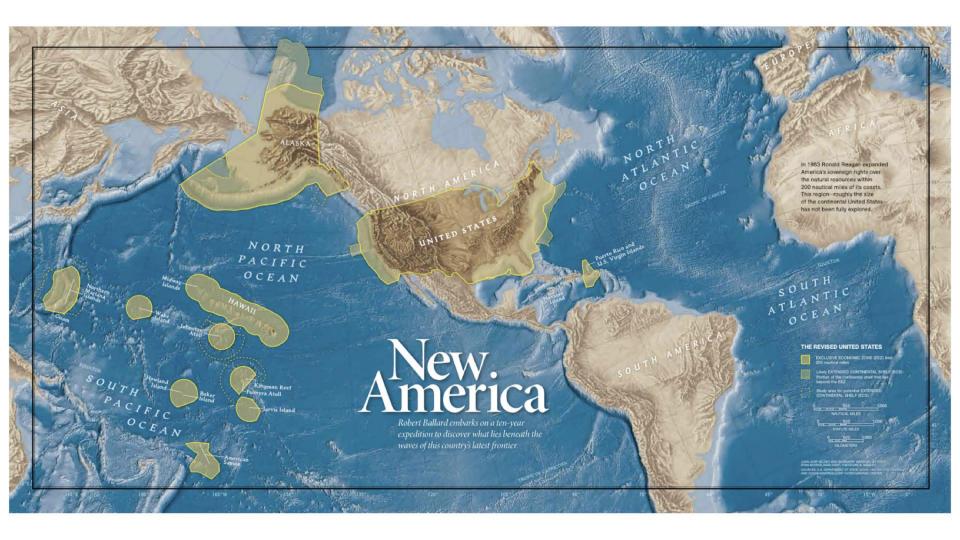
THE
UNIVERSITY
OF RHODE ISLAND











# SUPPORT VESSELS

## 2019



E/V NAUTILUS (OET)

2022



**R/V RESOLUTION (URI)** 

## 2020



**EDISON CHOUEST** 



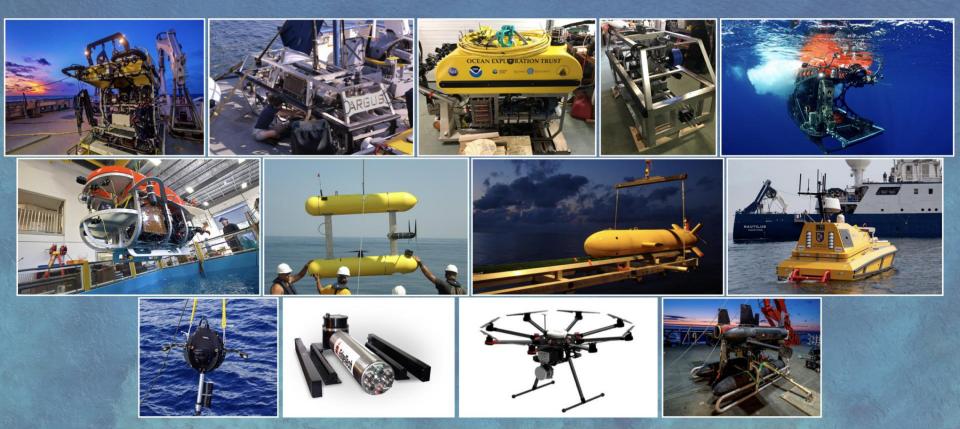
R/V POINT SUR (USM)

2023



R/V G.R. MASON (USM/LUMCON)

# OECI VEHICLES & SYSTEMS



# MARINE FACILITIES

AltaSea at the Port of Los Angeles San Pedro, CA



2019 — \$40 million investment in upgrading marine facility and dock to support AltaSea partners, including Ocean Exploration Trust and E/V Nautilus.





2019/20 — Investment of \$55 million in the new USM Ocean Enterprise Facility and \$9 million in equipment and start-up. Recent \$12 million invested in the construction of the new Marine Research Center, now operational.

#### University of Rhode Island Narragansett, RI



2018 — \$45 million RI State Bond to enhance GSO Campus that enlarges its dock with ROV test facility, constructs new Marine Operations Building, constructs new AUV development and mobilization building, and upgrades the Inner Space Center.

# FIELD PROGRAMS (2019 - 2023)



## **2020 OPPORTUNITIES!**

visit us at NautilusLive.org

Scientist Ashore Program
Science & Engineering Internship Program
Science Communication Fellowship



