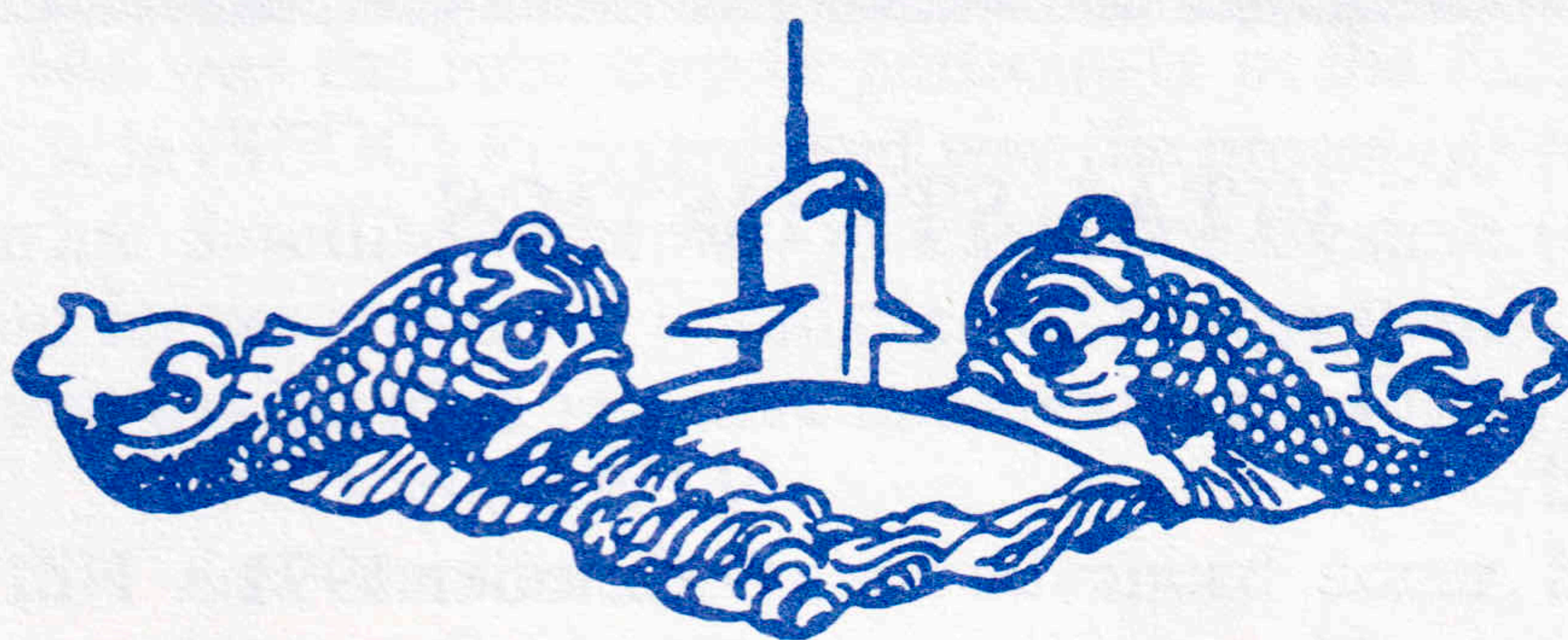


# WELCOME ABOARD



UNITED STATES SHIP  
**BATFISH**

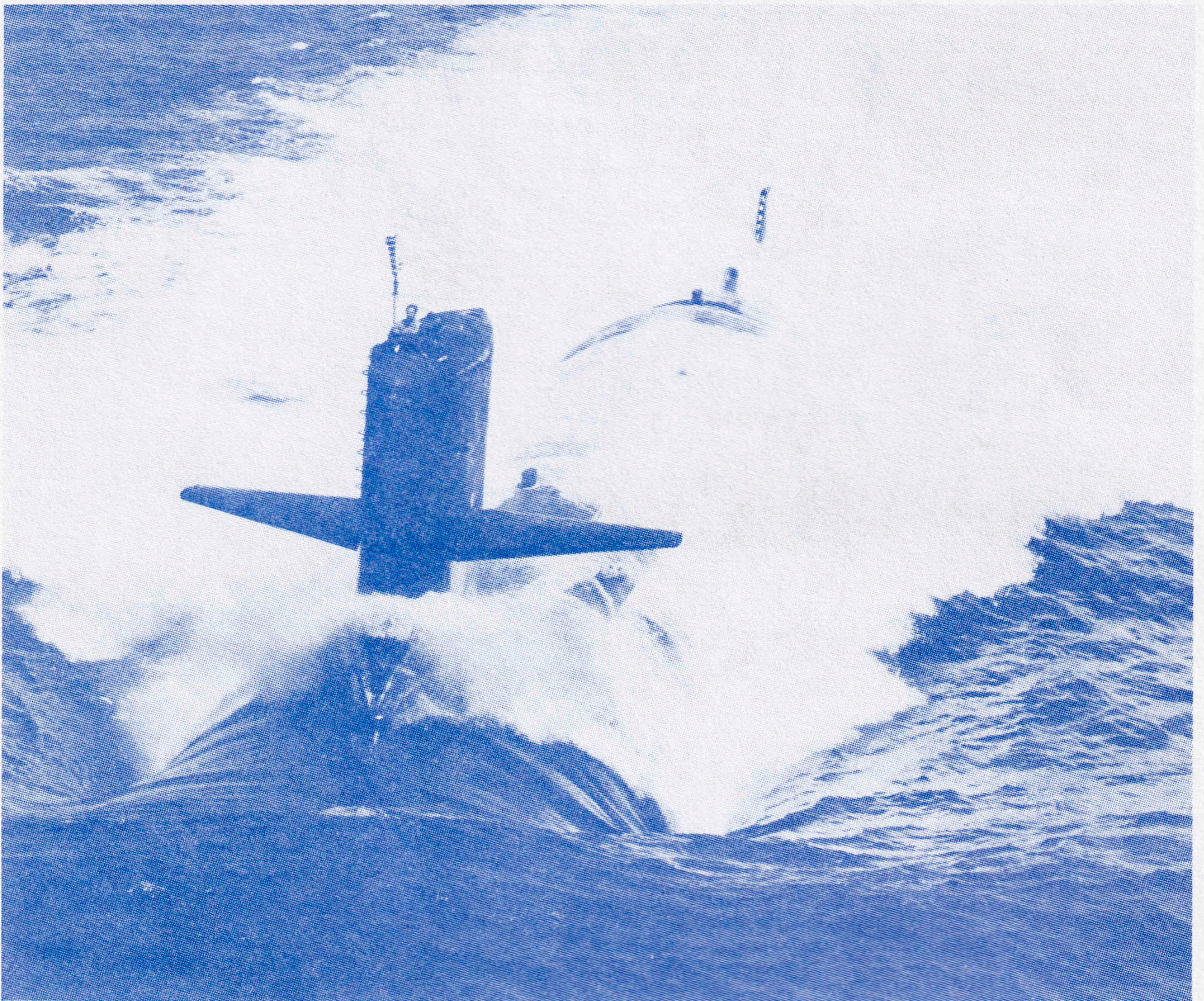
**SSN-681**



*"The Best Submarine in the Fleet"*



USS BATFISH  
(SSN 681)  
Built By  
GENERAL DYNAMICS  
Electric Boat Division  
Groton, Connecticut



VITAL STATISTICS

Keel Laid	9 February 1970
Launched	9 October 1971
Commissioned	1 September 1972
Sponsored By	Mrs. Arthur Gralla
Length	300 Feet
Beam	32 Feet
Displacement	5000 Tons
Speed	Over 20 Knots
Diving Depth	Over 400 Feet



## THE SHIP

USS BATFISH (SSN-681) is a nuclear powered submarine of the STURGEON Long Hull Class, designed as an anti-submarine platform. BATFISH has a length of 300 feet, beam of 32 feet, displaces 5000 tons, and is capable of speed in excess of 20 knots and depth in excess of 400 feet. BATFISH is manned by a crew of 130 officers and men.

BATFISH is named for the former USS BATFISH (SS-310), which sank three enemy submarines in four days during World War II and received the Presidential Unit Citation and 9 battle stars.

BATFISH was built by the Electric Boat division of General Dynamics Corporation in Groton, Connecticut. Her keel was laid on 9 February 1970, and she was launched and christened on 9 October 1971, under the sponsorship of Mrs. Arthur F. Gralla. BATFISH was commissioned on 1 September 1972, and was assigned to Submarine Squadron FOUR, homeported in Charleston, South Carolina.

BATFISH has continued the traditions of her namesake. The ship has held numerous Submarine Squadron FOUR annual awards including the Battle Efficiency "E", Engineering Red "E", Supply "E", Communications "C", and ASW "A" awards. BATFISH has been awarded several unit awards for independent submarine operations of vital importance to the national defense including one Meritorious Unit Commendation and three Navy Unit Commendations.

In addition to a long history of successful deployments, BATFISH has made significant contributions to submarine technical and development programs. She was the first ship to participate in the Submarine Extended Overhaul Cycle (SEOC) Program, and was the prototype for the revolutionary Submarine Satellite Information Exchange System (SSIXS). She was the lead ship for several other sophisticated new systems, including special hull treatment designed to improve her stealth capability.

BATFISH now carries the most advanced sonar, fire control, and navigation systems available. Able to utilize a wide variety of weaponry, she is an extremely versatile front line platform.



## ENGINEERING

The ship's nuclear reactor plant provides all the power required while operating in any ocean of the world, and permits full speed operation virtually indefinitely. Since her commissioning in 1972, BATFISH has been refueled only one time.

## AUXILIARIES

The nuclear power plant gives BATFISH the ability to remain deployed and submerged for extended periods of time. To take advantage of this the ship is outfitted with extensive auxiliary equipment to provide for the needs of the crew.

BATFISH's atmosphere control equipment consists of an oxygen generator which makes up for that oxygen used by the crew, and scrubbers and burners which remove carbon dioxide and other atmospheric contaminants. The ship's air is continuously monitored when submerged by an installed atmosphere analyzer, and various portable analysis equipments maintained by the Medical Department.

The ship is equipped with two distilling plants, which convert salt water to fresh water for drinking, washing, and supplying water to the propulsion plant. In addition, the ship has its own laundry and trash disposal facilities.

## COMMUNICATIONS

Submerged radio communications have been possible for years. BATFISH is completely outfitted with the wide variety of antennae transmitters, and receivers necessary for this task, including a satellite communications system. Interior communications are possible on a wide range of circuits, including telephones, announcing circuits, and sound powered phones. Various alarm and indicating circuits give the crew a complete picture of conditions throughout the ship.



## **NAVIGATION**

The cornerstone of the success of any mission assigned to BATFISH is the capability to know exactly where she is at any time, surfaced or submerged. This capability is largely dependent on the ship's electronic navigational suite, which recently was updated to include ESGN, the most sophisticated piece of navigational equipment available to the fleet today.

## **WEAPONS**

BATFISH is armed with four torpedo tubes. The ship's wide variety of torpedoes, and missiles, and her advanced fire control system enable her to meet the challenge of any target.

## **SONAR**

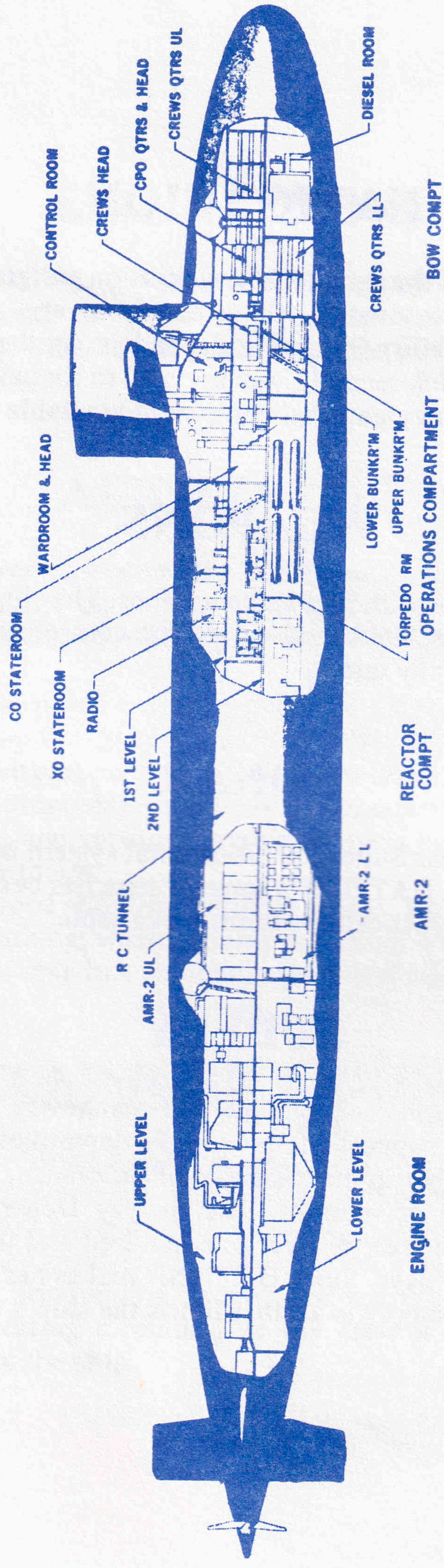
A submarine's Sonar Suite is her most vital system in the dark undersea world; it is her "eyes". BATFISH's sonar system has been recently updated to one of the most sophisticated currently available.

## **SUPPLY**

None of the complex equipment and machinery of the ship could function without the support of the supply department. The repair parts carried on board number in the hundreds of thousands, yet any one can be provided in a matter of minutes. The Supply Department also carries enough food to feed a crew of over one hundred and thirty for as long as one hundred and fifty days. Since BATFISH makes her own air and water, this five month food supply is all that limits the ship's endurance.



# SHIP'S DIAGRAM





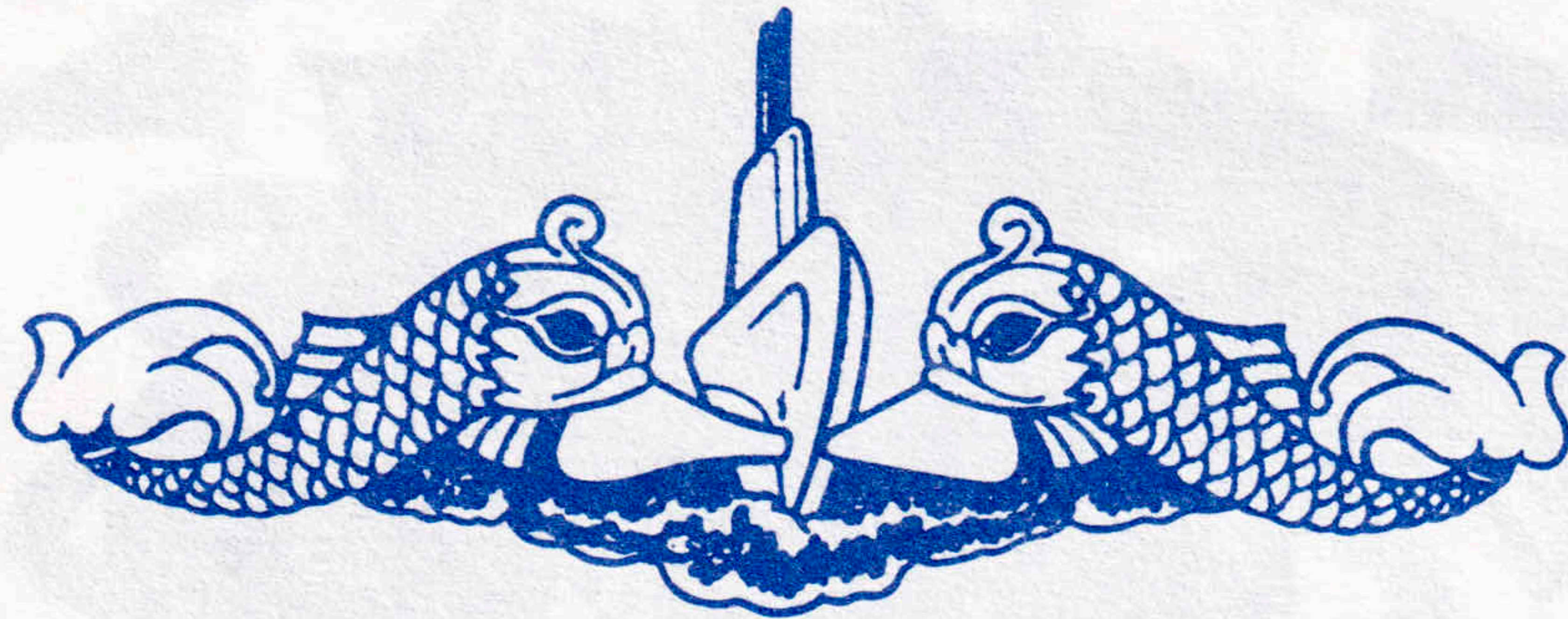
**DARK KNIGHT...**



**OF THE DEEP**



# USS BATFISH SSN 681



OUR PRIDE RUNS DEEP