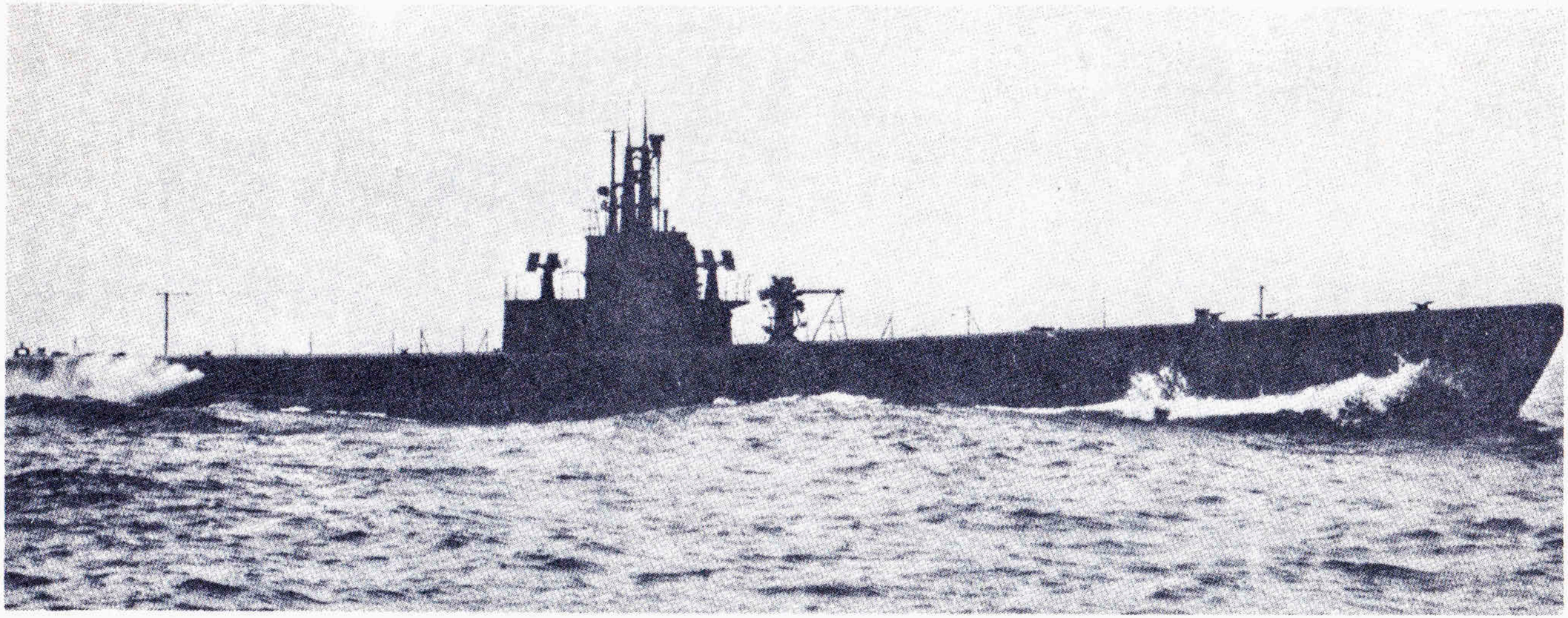
Welcome Aboard

USS PUFFER SSN 652



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USS Puffer (SS 268)



HERITAGE

USS PUFFER (SSN 652) is the second submarine of the United States Navy to bear the name PUFFER. The first PUFFER (SS 268) was a World War II fleet type submarine commissioned 27 April 1943. A distinguished fighting record from eight war patrols earned her nine battle stars. She is credited with sinking eight ships totaling over 36,000 tons.

After World War II, the first PUFFER served as a Naval Reserve training submarine in Seattle Washington until 1 July 1969.

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Welcome Aboard .....

USS PUFFER

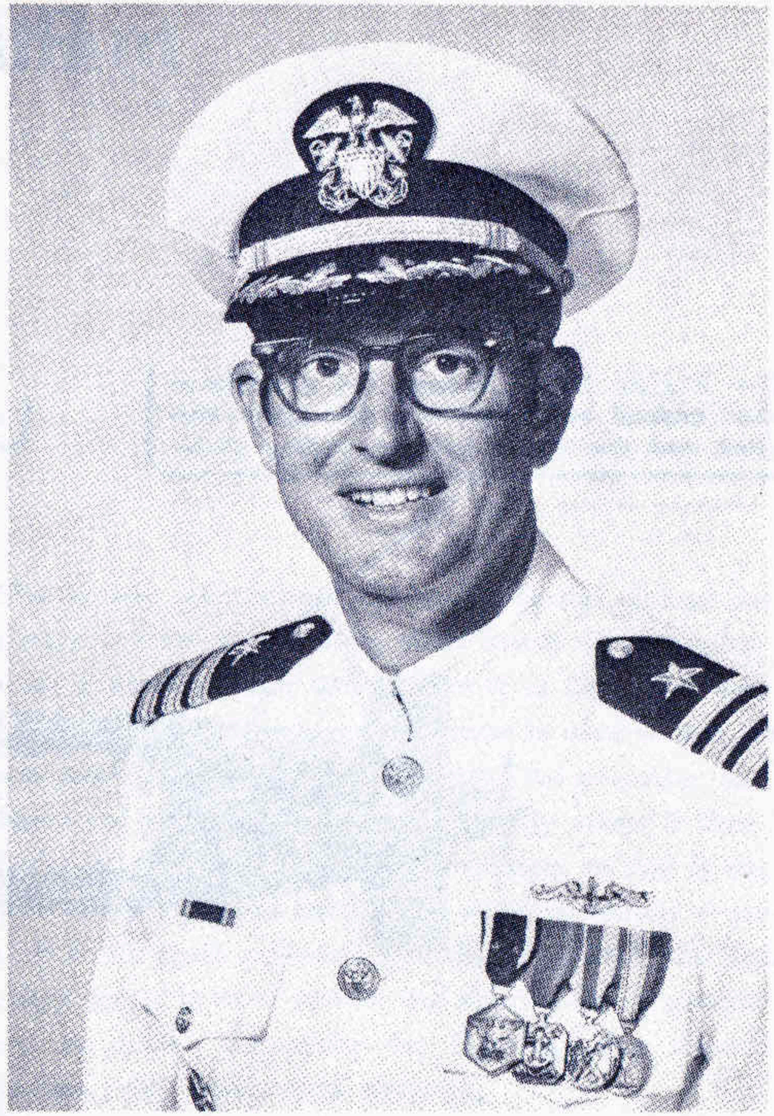
The USS PUFFER (SSN652) is one of several 637 class nuclear powered attack submarines attached to Submarine Squadron ONE and the Submarine Force, United States Pacific Fleet. Her home port is Pearl Harbor, Hawaii, however, important missions, in support of the nation's defense, occasionally require extended cruises to various corners of the world. The nuclear propulsion plant which is her main source of power and propulsion enables PUFFER to remain completely submerged for long periods of time.

As a result of endurance as well as operational capabilities, PUFFER is not only a "ship" but also "home" to all of us during our deployment away from home port. We, the crew, are proud of our ship and pleased to have the chance to show her to you whenever possible.

Ask any questions you desire. Please understand however, that national security restricts the answers we may give. We will attempt to respond to the best of our ability and will inform you if prohibited from answering due to these restrictions.

We are honored to have you aboard PUFFER and hope that you enjoy your visit.

H.W. HABERMEYER, JR.
COMMANDING OFFICER



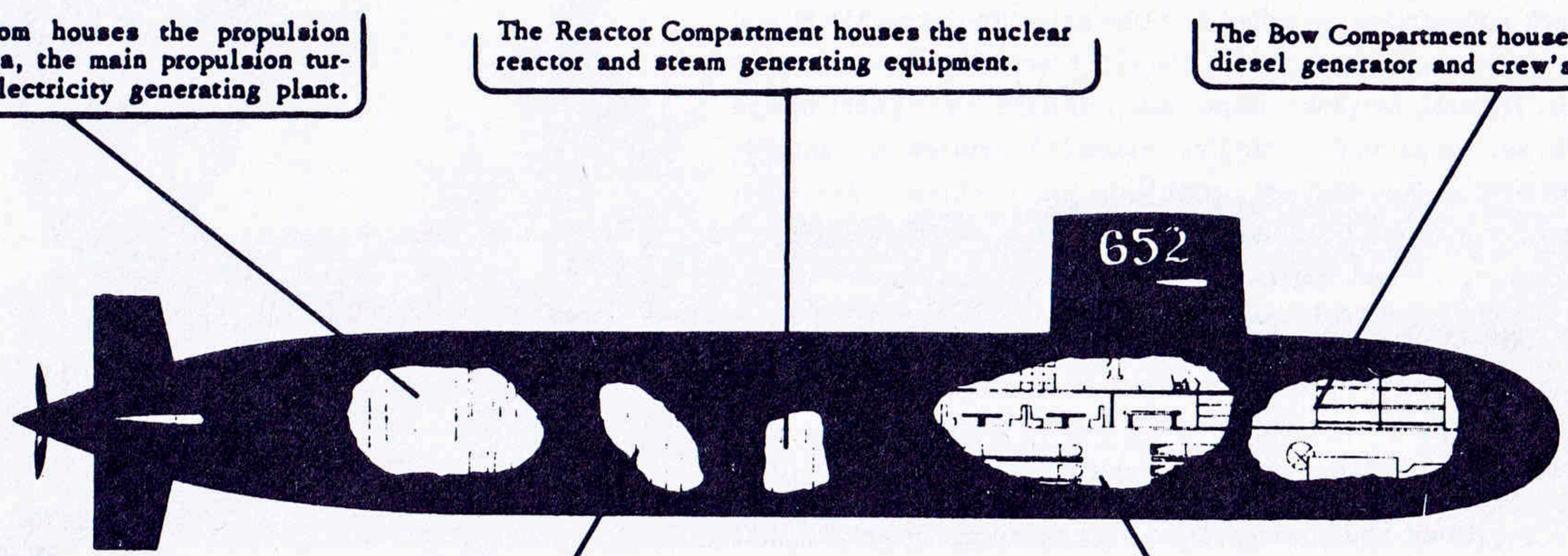
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Puffer Arrangement

The Engine Room houses the propulsion plant control area, the main propulsion turbines and the electricity generating plant.

The Reactor Compartment houses the nuclear reactor and steam generating equipment.

The Bow Compartment houses the emergency diesel generator and crew's living spaces.



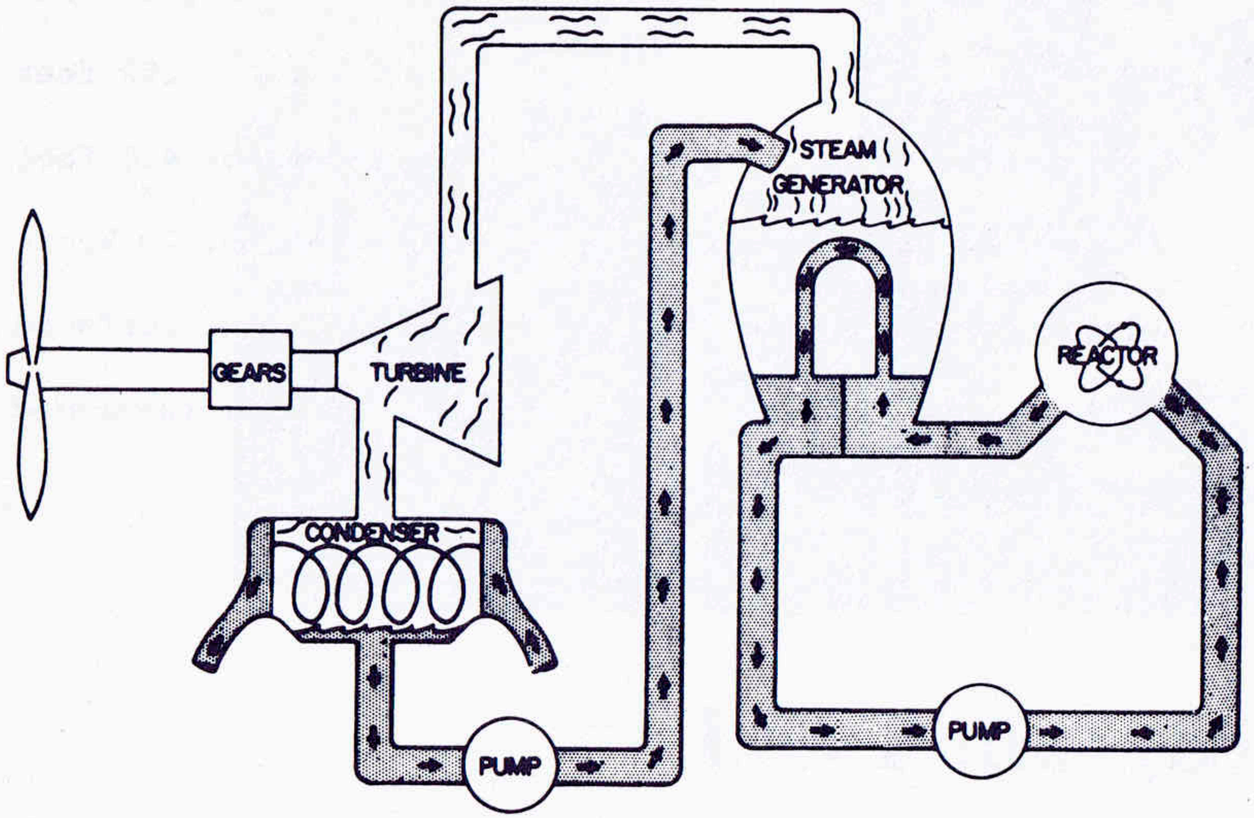
The Auxiliary Machinery Room houses the atmosphere control equipment and auxiliary machinery.

The Operations Compartment is divided into three levels:

Upper: Ship's Control Center
Middle: Officer's and Crew's dining and living spaces
Lower: Torpedo Room and ship's battery

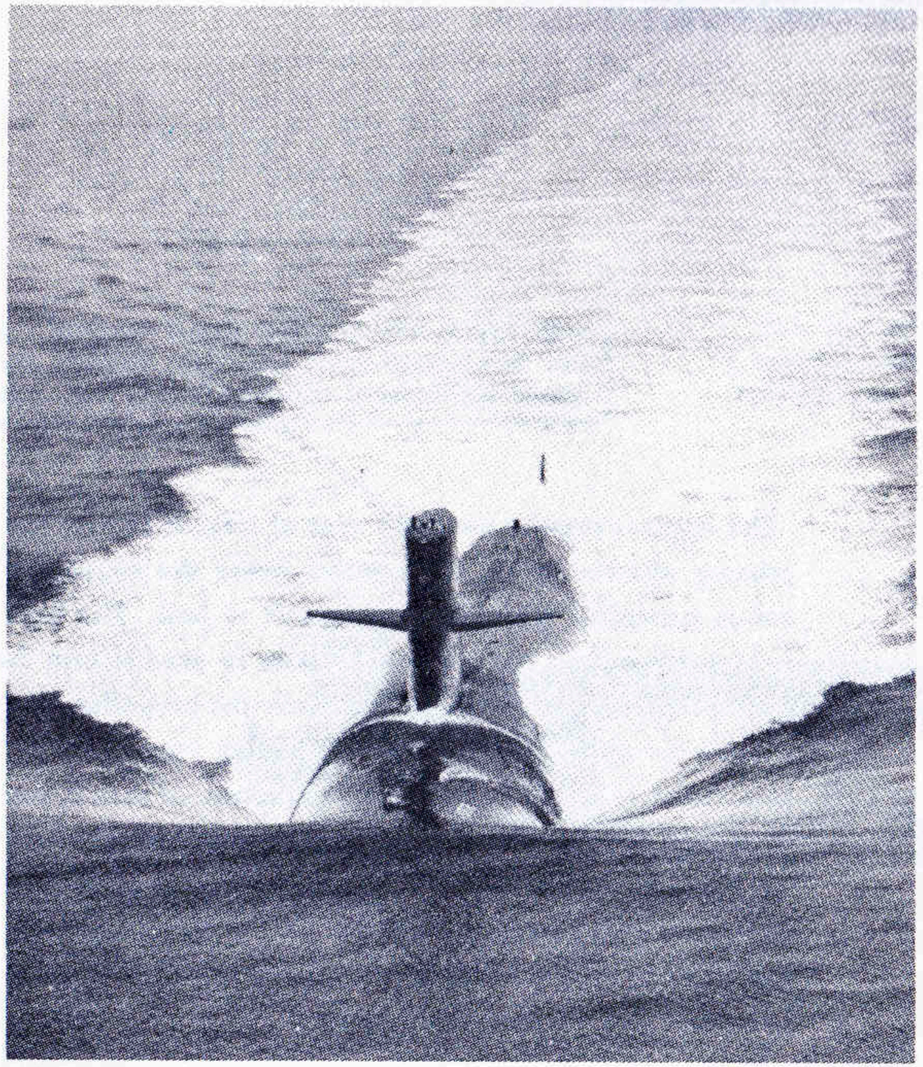
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The Nuclear Power Plant



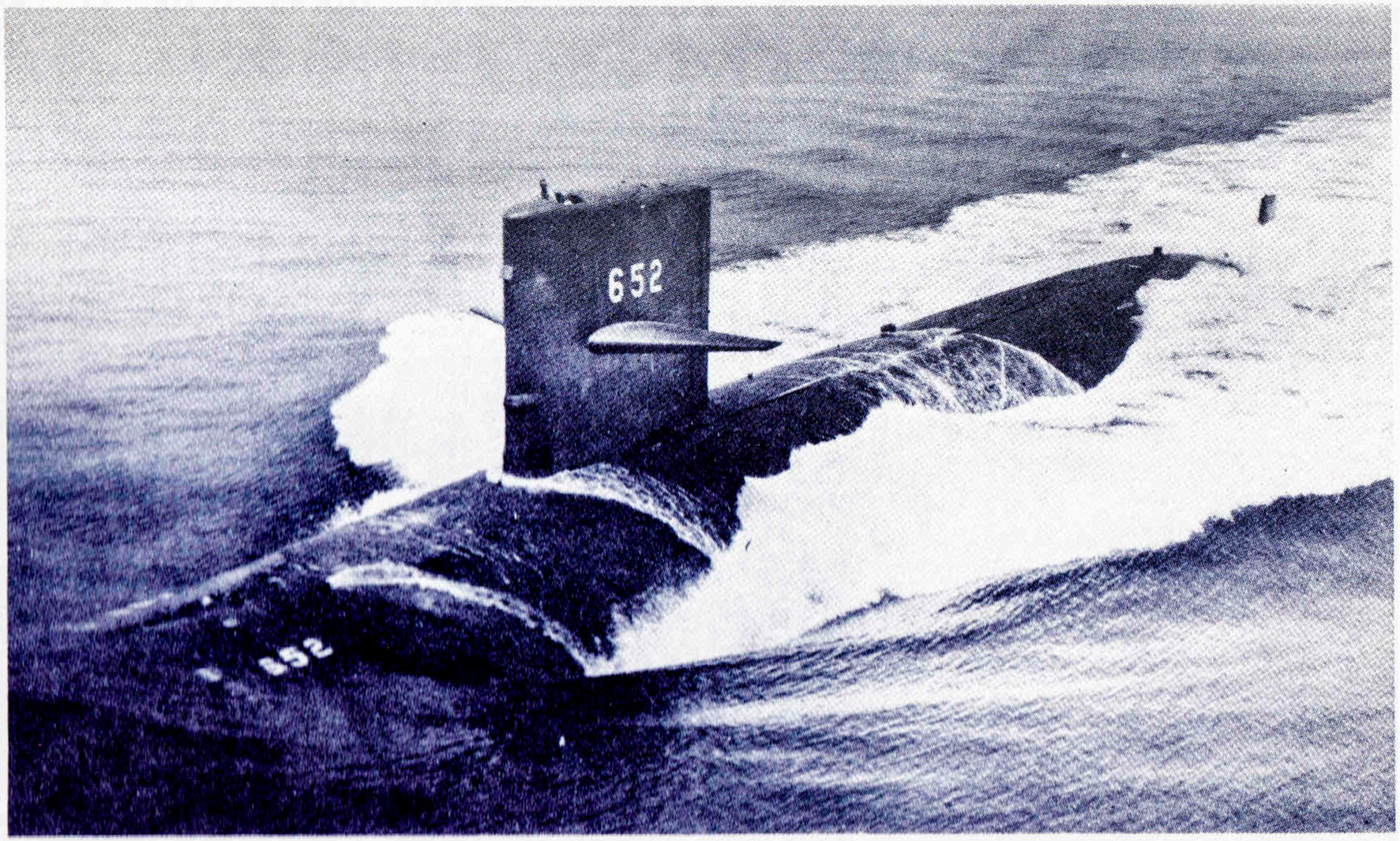
The nuclear reactor uses the heat of fission to heat the primary system water. This water heats the secondary steam generator water and causes it to boil. The high energy steam from the steam generator is used to turn the main propulsion turbines, which turns the propellor, and causes the ship to move. The low energy steam is then condensed to water in the main condenser so that it can be reused and pumped back to the steam generator where the cycle is again repeated. In addition, some of the high energy steam is used to turn the ship's turbine generators to create electricity for lighting, ship control systems, and electronics systems.

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Keel Laid:	18 February 1965
Launched:	30 March 1968
Commissioned:	9 August 1969
Length:	292 feet
Test Depth:	In excess of 400 feet
Maximum Speed	In excess of 20 knots
Displacement:	4246 tons surfaced
	4780 tons submerged

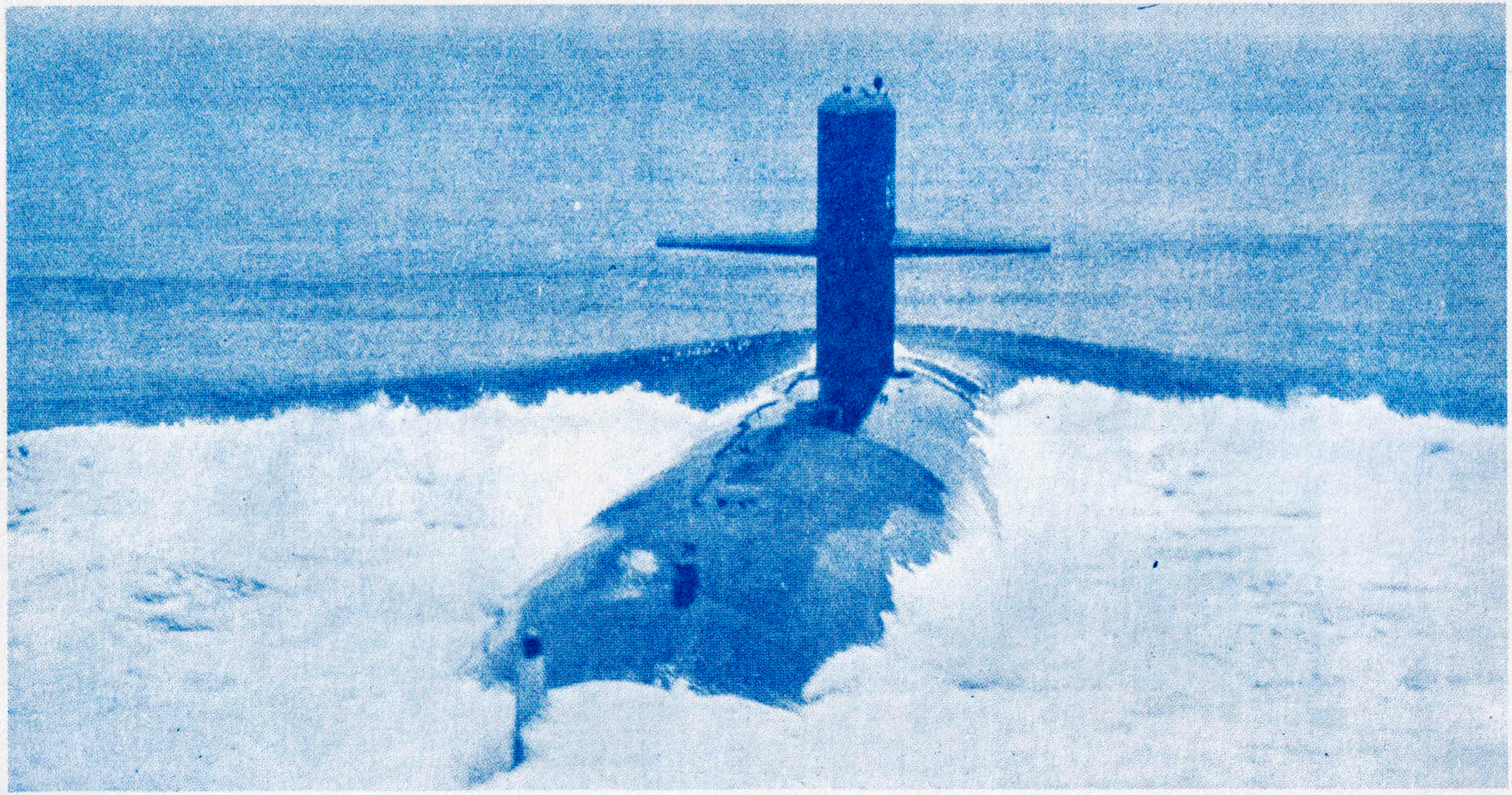
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USS Puffer (SSN 652)

The new PUFFER is a high speed, deep diving, nuclear attack submarine of the STURGEON CLASS. With her sophisticated weapons, sonar, and nuclear propulsion systems, the distinguished PUFFER heritage promises to be extended should she be called upon to do so by her nation.

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Pride in Perfection

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