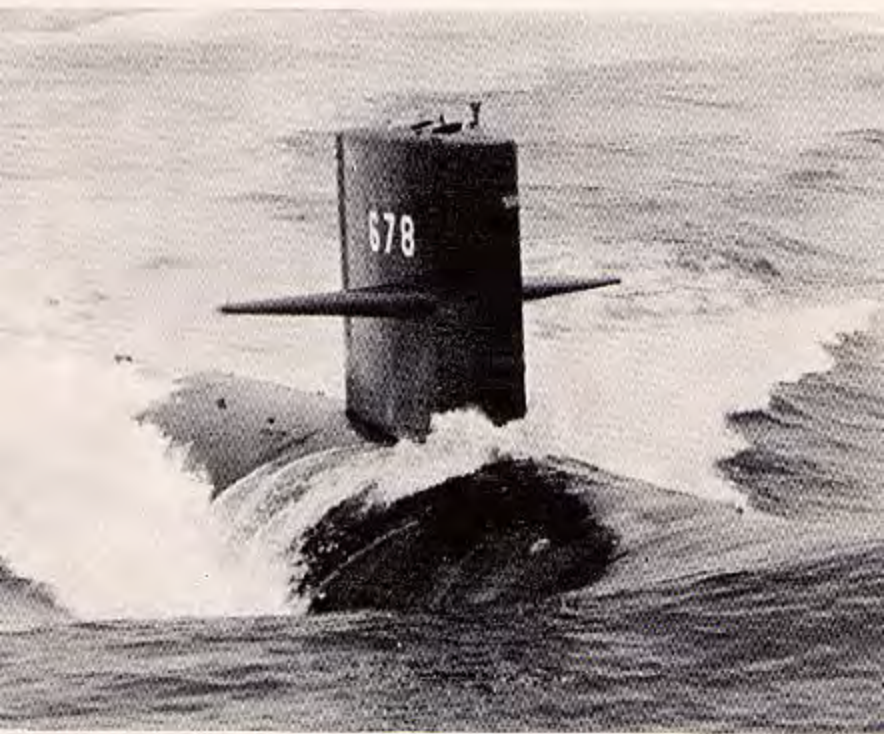


Welcome Aboard



USS ARCHERFISH

SSN 678

**USS ARCHERFISH
(SSN 678)**

BUILT BY

General Dynamics

Electric Boat Division

GROTON, CONNECTICUT

KEEL LAID: 19 JUNE 1969

LAUNCHED: 16 JANUARY 1971

COMMISSIONED: 17 DECEMBER 1971

Sponsored by

Miss Mary Conover WARNER

USS ARCHERFISH (SSN 678)

CHRISTENING—ARCHERFISH sponsor Mary Conover Warner recoils from dripping champagne bottle she has just smashed on the sub's bow, January 16, 1971. Applauding the 12-year-old marksman are (from left) her sister Virginia; her mother and matron-of-honor Mrs. John W. Warner; her father, Under Secretary of the Navy and principal speaker at the launching; David S. Lewis, chairman of General Dynamics; and (behind Lewis) Joseph D. Pierce, vice president of General Dynamics and general manager of Electric Boat Division.



LAUNCHING—ARCHERFISH plunges into the Thames River at Electric Boat Division of General Dynamics, Groton, Conn.



UNDERWAY—ARCHERFISH steams at full speed during sea trials.






COMMANDER JOHN S. ALMON UNITED STATES NAVY

Commander John S. ALMON was born in Chicago, Illinois. He attended high school at Bitburg Air Force Base, Bitburg, Germany and subsequently enrolled at the University of Illinois. He graduated and was commissioned in 1966 having earned a Bachelor of Science degree in Electrical Engineering.

Following nuclear power and basic submarine training, Commander ALMON reported to USS SCAMP (SSN 588). After a three year tour, he returned to Naval Submarine School as an instructor in the Officer Training Department.

In May 1973 Commander ALMON reported to USS HADDO (SSN 604) as Engineer Officer. He then served two tours as Executive Officer reporting to USS CASIMIR PULASKI (SSBN 633) (GOLD) in January 1977 and USS PARGO (SSN 650) in May 1979.

Commander ALMON is married to the former Roni Booth Kelly of San Diego, California. They and their four children, Kelly, Michael, Ryan and Brent, reside in Gales Ferry, Connecticut.



**COMMANDER
STEVEN R. KREMER
UNITED STATES NAVY**

A native of Ocean Gate, New Jersey, Commander Kremer graduated from the United States Naval Academy in 1979 with a bachelor of science degree in mechanical engineering. He attended Naval Nuclear Power School in Orlando, Florida and Nuclear Propulsion Training Unit S3G in Ballston Spa, New York. After completing nuclear power training, Commander Kremer reported aboard USS DALLAS (SSN 700) where he served as a first lieutenant, electrical division officer, sonar officer and damage control assistant until May 1984.

From June 1984 until May 1986, he served as an instructor at the Nuclear Power School, Orlando, Florida, in the Chemistry, Materials and Radiological Controls Division of the Officer Department. Commander Kremer served as engineer officer onboard USS ALBUQUERQUE (SSN 706) for two years and completed his Department Head tour as the submarine liaison officer on the staff of Cruiser Destroyer Group EIGHT, an element of Battle Force Yankee in the Red Sea during operations Desert Shield and Desert Storm. He reported to USS BATON ROUGE (SSN 689) as executive officer in March 1992.

After a short tour with the SUBLANT Tactical Readiness Evaluation Team, Commander Kremer attended the Air War College in Montgomery, Alabama and concurrently earned a masters degree in political science from Auburn University of Montgomery.

Commander Kremer's awards and decorations include the Navy Commendation Medal with three gold stars and the Navy Achievement Medal with two gold stars.

He is married to the former Cheryl Ann Stephens of Pensacola, Florida. They have two children, Sean and Megan.

COMPARTMENTATION



ENGINEERING—

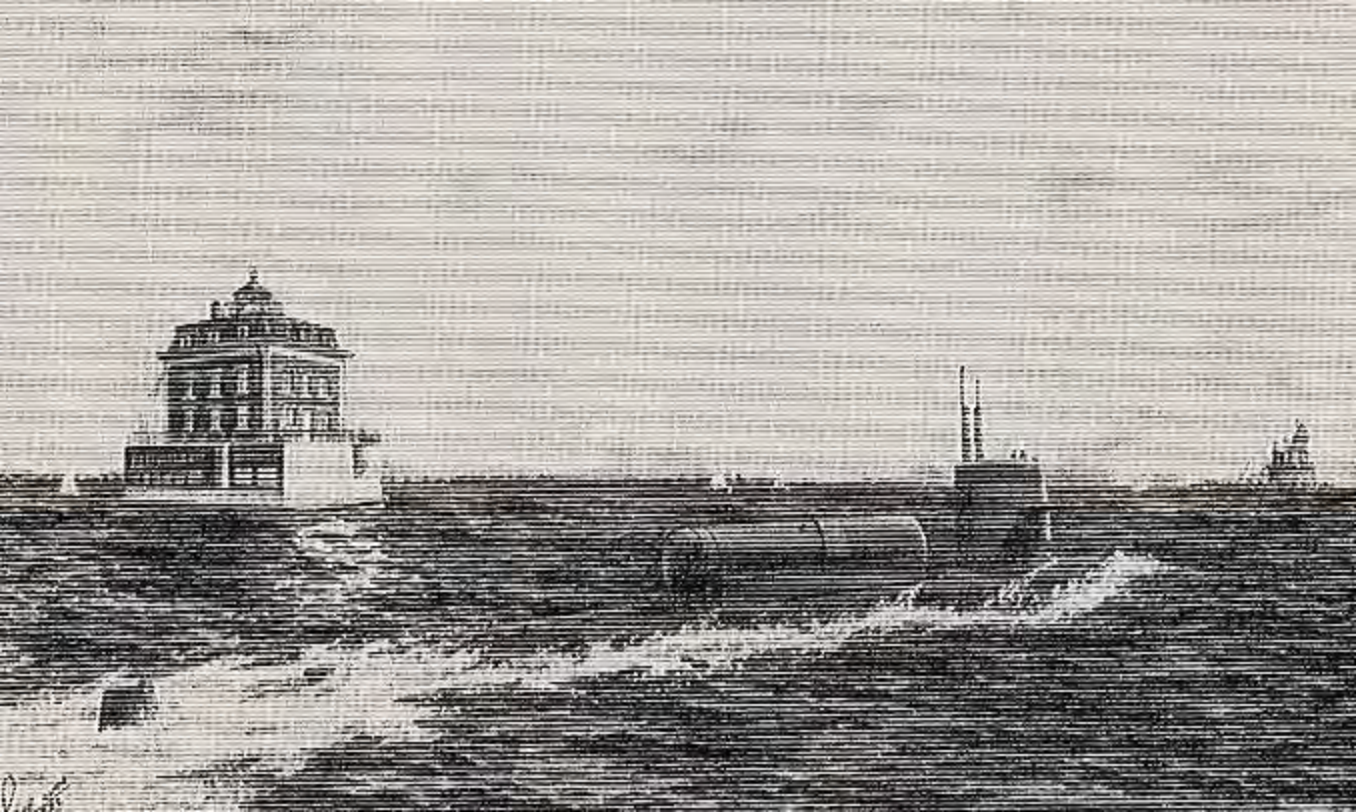
These spaces provide room for the turbines which produce electrical power and the propulsion turbines which drive the ship. The propulsion turbines are accompanied by reduction gears which transmit the power to the shaft, ultimately turning the screw to give motion to the ship.

OPERATIONS—

This area, between the bow compartment and engineering spaces, provides space for navigational equipments, ship control, and various habitability areas. The radio room, sonar room, officers staterooms, wardroom, and ship's offices are also contained herein. The lower level of the operations compartment is primarily occupied by the torpedo room.

BOW COMPARTMENT—

This portion of the boat is primarily a habitability space sleeping 67 men. Quarters for the chief petty officers are found here as are the diesel generator and the forward escape trunk.



UNITED STATES SHIP ARCHERFISH (SSN 678)

KEEL LAID: 19 April 1969
LAUNCHED: 16 January 1971
COMMISSIONED: 17 December 1971
SPONSOR: Miss Mary C. Warner
BUILT BY: General Dynamics Corporation
Electric Boat Division
Groton, Connecticut

ARCHERFISH'S NAME: USS ARCHERFISH is named for a fish known scientifically as *Toxotes jaculatrix*, found in coastal, fresh, and brackish water of southeastern Asia. The ARCHERFISH gets its name from its ability to shoot drops of water as far as 12 feet with 100% accuracy to 4 to 6 feet. It directs these watery bullets at small insects and similar suitable prey, either at rest or in flight near the surface. Evolutionists previously thought that a fish with such unusual qualities developed them by pressures of natural selection and the urge to survive. But later scientists proved conclusively that the ARCHERFISH shoots his food down only for the sport of it! He enjoys it and does not need to use this trick to survive.



SHIP'S HISTORY

The USS ARCHERFISH (SSN 678) is the second submarine to bear the name. The first USS ARCHERFISH (SS 311) is famed for having sunk the Japanese supercarrier SHINANO on 28 November 1944, the largest warship ever sunk by a submarine.

The present ARCHERFISH was built by General Dynamics Corporation at Electric Boat in Groton. The keel was laid on 19 April 1969 and the ship launched on 16 January 1971. The ship's sponsor was Miss Mary C. Warner, daughter of then-Undersecretary of the Navy John Warner. Commissioning ceremonies were held 17 December 1971. ARCHERFISH is the first of 9 long-hull 637-class nuclear powered fast attack submarines. These hulls (678-684 and 686-687) were the final ships of the 637 class before the Navy began building the 688-class SSN.

ARCHERFISH has deployed to the Mediterranean Sea, the Atlantic Ocean and Arctic Ocean over more than two decades of service to the United States. As a result of those deployments, the ship has been awarded four Navy Unit Commendations, three Meritorious Unit Commendations and three COMSIXTHFLT "Hook em" Trophies for ASW excellence. She has also been recognized on a squadron level by being awarded the Battle Efficiency "E" for four years, the red Engineering "E" for five years, the Antisubmarine Warfare "A" for eight years, the Communications Green "C" for two years and two Medical Readiness "M", Deck Seamanship Award and Damage Control "DC" award. ARCHERFISH is also the first SUBLANT submarine to surface at the North Pole on three separate occasions. In 1989, she was configured to carry the Dry Deck Shelter System for use with embarked SEALs and other Special Forces Units. ARCHERFISH has pioneered advanced techniques in Naval Special Warfare in conjunction with SEAL Delivery Vehicle Team TWO. Highly versatile, mobile, and stealthy, ARCHERFISH serves on the front lines of near shore and deep ocean naval operations.

ARCHERFISH has completed three overhauls in her career, the most recent ending in August 1990 at Puget Sounds Naval Shipyard in Bremerton, Washington. The new reactor core installed during that overhaul will last for the remainder of her time in service. Although she has been briefly assigned to other squadrons just after commissioning and during overhauls, ARCHERFISH has predominantly been a vital part of Development Squadron TWELVE in Groton, Connecticut.

PROFILE OF THE ARCHERFISH

USS ARCHERFISH (SSN 678), built by the Electric Boat Division of General Dynamics, is a Nuclear-Powered Attack Submarine of the STURGEON Class.

ARCHERFISH is a streamlined, highly advanced and maneuverable anti-submarine warfare platform.

She is powered by a pressurized water nuclear reactor propulsion plant which provides reliability, high power, and the ability to operate independently of the outside atmosphere for extended periods.

The ship carries the most advanced weapons and sonar systems available to the Submarine Force, including the Mark 48 torpedo, mines and the HARPOON missile system to provide a potent attack capability. Additionally, she is equipped with a Dry Deck Shelter for use in support of Naval Special Warfare.

These characteristics make ARCHERFISH one of the Navy's most effective multi-mission weapons platforms in existence today.

In order to provide maximum crew comfort for extended operations, *the ship has extensive air conditioning equipment. Special atmospheric control equipment removes irritants from the air and maintains the proper balance of oxygen, carbon dioxide and other atmosphere constituents during prolonged submerged periods. Large distilling plants provide plenty of fresh water, and an electrolytic oxygen generator allows the submarine to manufacture oxygen from sea water.*

The increased speed (over 20 Kts submerged), diving depth (over 800 feet) and maneuverability of today's attack submarine require more reliable controls and quicker response on the operator's part. The ARCHERFISH control room and auxiliary machinery room indicate the complexity and compactness of her equipment.

By the nature of her mission, the modern fast attack submarine demands long hours and a high level of training of her crew. A modern messing facility, feeding 32 men at a time, and an adjoining activities space, where crew may pursue hobbies or read, provide a welcome break in the daily routine.

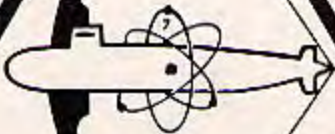
OFFICERS

LCDR WELLING	Executive Officer
LCDR WARD	Navigator
LCDR CHARIS	Engineer
LT HANSEN	P-Navigator
LT HUNN	DCA
LT PETROSKY	A-Eng
LT ZMIRICH	MPA
LTJG VARNEY	Communicator
LTJG WALKER	Supply
LTJG PRZETAK	RCA
LTJG NICHOLS	E/IC
ENS TURNER	Sonar
LTJG VARGO	CRA
ENS CARLSON	Qualification

CHIEFS

ICCM (SS) THOMAS	Chief of the Boat
RMCS (SS) BANNON	RM LPO
MMCS (SS) COGAR	EEA
EMC (SS) TAYLOR	E Div LPO
MMCS (SS) VINCENT	A Div LPO
STSC (SS) MOSS	ST Div LPO
ETC (SS) CATES	RC Div LPO
QMC (SS) JERZAK	QM Div LPO
TMC (SS) GROVE	TM Div LPO
HMC (SS) SCANCE	MDR
MMC (SS) VALENTINE	M Div LPO
DSC (SS) HALLFORD	FT Div LPO

SSN
678



USS
ARCHERFISH

